May 17, 2013

Mr. David Szymanski
New York State Department of Environmental Conservation
270 Michigan Ave
Buffalo, NY 14203-2915

**Subject: 2012 Periodic Review Report**
**Buffalo Color Corporation – Area E Site No. C915232**
**OSC 0913-OMM**

Dear Mr. Szymanski:

On behalf of South Buffalo Development Corporation, LLC (SBD), Ontario Specialty Contracting, Inc. (OSC) is submitting this Periodic Review Report (PRR) for the Buffalo Color Buffalo Color Area E Site (Site).

The completed Site Management Periodic Review Report (PRR) Notice - Institutional and Engineering controls Certification Form is provided herein as Attachment A. The following paragraphs provide the information specified in the original 45-day PRR notice letter issued by New York State Department of Environmental Conservation's (NYSDEC's) Albany, NY office on April 17, 2013.

I. Executive Summary

A. Site Summary: The 15.8 acre Site is located at 85 Lee Street in the City of Buffalo, County of Erie, New York. It is one of five areas which comprised of the former Buffalo Color Corporation which produced dyes and organic chemicals until bankruptcy in 2005.

Remedial investigations determined that site soil contained concentrations of certain metals and organic substances that exceeded the NY Commercial Soil Cleanup Objectives (SCOs). Shallow soil and groundwater on the southwestern portion of Area E were found to contain concentrations of volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs) that exceeded applicable NY soil and groundwater standards. Petroleum (weathered No. 2 fuel oil) in the form of a light non-aqueous phase liquid (LNAPL) present in the shallow soil and on the shallow water table was identified on the southeastern side of Area E.

The primary remedial objectives at the Area E Site were to eliminate the potential for direct contact with impacted soils and sediments, and to eliminate the potential for impacted groundwater to discharge offsite. The key remedial actions for the Site included:

- Excavation and off-site disposal soils containing constituents exceeding SCOs ;
- The utilization of bioremediation enhancement agent (Regenesis ORC-A) within source excavation backfill to promote the bioremediation of residual soil and groundwater contamination.
- Installation of an integrated site-wide cover system to prevent human exposure to remaining contamination at the Site;
- Abandonment/plugging of unused process sewers and rehabilitation of the existing storm sewer system;
- Execution and recording of an Environmental Easement to restrict land use and address future exposure to any remaining contamination at the Site; and
- Development and implementation of a Site Management Plan for long term management of remaining contamination.

During 2012, the following routine Operations, Maintenance, and Monitoring (OMM) activities have been completed in accordance with Site Management Plan, prepared by AMEC E&I, Inc. dated September 14, 2011 (referred to hereafter as the SMP):

- Quarterly shallow groundwater sampling;
- Annual groundwater sampling from wells located adjacent to former LNAPL excavation area;
- Quarterly LNAPL interface measurements from wells located adjacent to former LNAPL excavation area;
- Quarterly storm sewer sampling collected from manhole DMH-E31 which is located on Area E and is the furthest downstream manhole prior to the Buffalo River outfall; and
- Quarterly Site inspections.

Tables summarizing groundwater monitoring results and figures showing the corresponding Volatile Organic Compound (VOC) concentrations are included in Attachment B for each of the quarterly sampling events conducted in 2012.

Non-routine O&M activities included the rehabilitation of the upstream portion of the Area E storm sewer system and the decommissioning and replacement of the defective monitoring well EW-E04. These activities are discussed further in the following paragraphs.

Following the Cast In Place Pipe (CIPP) lining performed to rehabilitate the Area E storm sewer system, traces of chemical constituents similar to that of the surrounding groundwater were identified within the quarterly storm sewer sampling. The groundwater infiltration was traced to the upstream portion of the storm water system which is confined to the Armor Electric Motor and Crane Services Inc. (Armor Electric) parking lot. The Armor Electric property is located just outside of and immediately adjacent to the northern Area E property boundary. This work consisted of installing 4 precast concrete catch basins, 300 feet of 12 inch corrugated HDPE water tight drain pipe, and 125 feet of 6 inch HDPE water tight drain pipe. Construction was initiated November 16$^{th}$ 2012 and completed on November 26 2012. A final construction report for the Armor Electric storm sewer rehabilitation is provided in **Attachment E**. A post installation inspection has identified a defective boot seal within a recently installed Armor Electric catch basin (CB-A) and is scheduled for repair within the late second to early third quarters of 2013.

On March 30, 2012, the Area E monitoring well designated as EW-E04 was found to be filled with stone/soil debris up to an estimated level of two feet below ground surface, which prevented intended groundwater sampling from this well. The cause of the damage remains unknown and the well was subsequently decommissioned and replaced by Buffalo Drilling Company Inc. on June 27, 2012. A post script letter "A" has been designated to the well ID to indicate its recent replacement. The corresponding incident report, decommission log, and installation log is included in **Attachment F**.

B. Effectiveness of the Remedial Program: The following conclusions were developed based on the data collected during the 2012 period:

- Based on the results of the quarterly inspection reports, which verify that the integrity of the cover system is currently satisfactory and vegetation is established within soil/grass areas, the remedy remains protective for direct contact with impacted soils.
- Elevated concentrations of constituents of concern (COCs) remain at the site as shown by the data from monitoring wells RFI-29 and RFI-32; however, the concentrations have decreased significantly since the ORC-A application as part of the remedial effort in 2011.

- Based on the latest data from the fourth quarter 2012 monitoring, the primary COC chlorobenzene is slightly above 5 ppb at RFI-29 and has decreased by approximately 50%, from 30,000 ppb to 16,000 ppb at RFI-32. Monitoring well MW-E05 chlorobenzene concentrations have dropped below 5 ppb, which is a two order of magnitude reduction. All other wells have chlorobenzene concentrations less than 5 ppb. A figure is included within **Attachment B** which shows the current status of chlorobenzene concentrations.
- Groundwater flow direction is preventing offsite migration of constituents as the constituents continue to attenuate. Groundwater flow in the vicinity of the wells exhibiting elevated VOC concentrations, RFI-29 and RFI-32, is inward to the Area E site. A figure is included within **Attachment B** which indicates the groundwater flow direction.

C. Compliance: No areas of non-compliance have been identified.

D. Recommendations: No changes to the 2011 SMP are currently warranted or recommended. Routine OMM activities will continue in 2013. Scheduled repairs to the defective Armor Electric storm sewer catch basin CB-A will be completed during the 2013 time period.

II. Site Overview

A. Site Location: The site is located at 85 Lee Street in the City of Buffalo, County of Erie, New York. The site is an approximate 15.8 acre area bounded by Elk Street to the north, industrial property operated by PVS Chemicals to the south, Lee Street to the east, and Orlando Street to the west. All former buildings and ancillary structures that were located on Area E in connection with the operation of the former Buffalo Color Corporation plant have been demolished, and the site is currently vacant. The site is part of the former Buffalo Color Corporation facility, which also included Areas A, B, and C located to the west and southwest (**Figure 1**). The surrounding area consists of industrial and residential properties.

Originally founded as the Schoellkopf Aniline and Dye Company in 1879, the plant produced dyes and organic chemicals based primarily on aniline and various aniline derivatives. The company was reorganized into the National Aniline Chemical Company in 1916. It became one of the five companies that merged to create Allied Chemical Corporation (Allied Chemical) in 1920. The existing dye-making facility and the right to produce certain dyes and intermediates were sold by Allied Chemical to Buffalo Color Corporation on July 1, 1977. At the time of the sale, the plant was divided into eight areas designated with the letters A, B, C, D, E, F, G, and H. Buffalo Color Corporation purchased the manufacturing areas A through E, while Allied Chemical retained an acid plant (which was subsequently sold to PVS Chemicals in 1981), the research and development facility on Area F, and the parking lots on Areas G (Elk Street) and H (Smith Street). In 2005, Buffalo Color Corporation filed for bankruptcy and ceased manufacturing activity. During the bankruptcy proceedings, some of the facility's production equipment was sold and removed from the site. In conjunction with the bankruptcy, the office building and former plant hospital located at 100 Lee Street on Area B and the warehouse building (Building 322) located near Elk Street on Area E, along with some of the land under and around those buildings, were sold to other parties. Agreements are in place to preserve access rights to the land for the purposes of any required environmental investigation and remediation activities. The remaining buildings and property on Areas A, B, C, D and E were purchased by SBD in 2008.

B. Chronology: Numerous environmental investigations have been completed for the Buffalo Color property, including Area E, dating back to the 1980s. In 2007-2008, Mactec Engineering and Consulting Inc. completed, with NYSDEC approval, a Remedial Investigation (RI) to build off of prior studies and characterize the nature and extent of contamination at the site. In early 2009, demolition of former plant structures and remedial source excavations were initiated.

The primary remedial objectives at the Area E Site were to eliminate the potential for direct contact with impacted soils and sediments, and to eliminate the potential for impacted groundwater to discharge offsite. The key remedial actions for the Site are summarized below:

- Excavation and off-site disposal of approximately 13,600 CY (in-place volume) of VOC-contaminated soils from three locations on the western/southwestern side of Area E to accomplish mass removal of the source material;
- The addition of a bioremediation enhancement agent (Regenesis ORC-A) to the excavation backfill to promote the bioremediation of residual soil and groundwater contamination at the excavated areas;
- Excavation and off-site disposal soil containing petroleum LNAPL from the southeastern side of Area E to accomplish mass removal of petroleum LNAPL;
- Utilization of an integrated site-wide cover system consisting of a combination of a minimum of one foot of imported clean soil and topsoil (seeded with native grasses) underlain by a demarcation layer consisting of a woven geotextile, existing/new pavement (asphalt or concrete), and/or existing buildings to address human exposure to remaining contamination at the Site;
- Abandonment/plugging of unused process sewers and rehabilitation of the existing storm sewer system, including replacement of sections with new piping and sealing of existing pipe via installation of cured-in-place piping (CIPP) and sealing of manholes with a chemical-resistant grout to prevent groundwater infiltration;
- Execution and recording of an Environmental Easement in favor of NYSDEC to restrict land use and address future exposure to any remaining contamination at the Site. Elements of the Environmental Easement include prohibiting groundwater use, providing protocols for disturbance of Site soils and/or groundwater, limiting future land use to commercial or industrial use, and requiring that occupied structures associated with future development at the Site address the vapor intrusion (VI) pathway (either through construction methods or through additional characterization to ensure that the area over which the structure will reside does not present a potential VI concern); and
- Development and implementation of a Site Management Plan for long term management of remaining contamination as required by the Environmental Easement, which includes plans for Institutional and Engineering Controls, operation, maintenance and monitoring, and reporting.

The above described remedial activities were completed at the Site in 2010 and 2011 and are documented in the Area E Final Engineering Report (Mactec, 2011).

Groundwater monitoring activities to assess contaminant levels in shallow site groundwater, and assess the process of natural attenuation (enhanced through addition of ORC-A to remedial excavation backfill), will continue, as determined by the NYSDEC, until residual groundwater concentrations are found to be consistently below NYSDEC standards or have become asymptotic at an acceptable level over an extended period. Monitoring will continue until permission to discontinue is granted in writing by the NYSDEC.

III. Evaluation of Remedy Performance, Effectiveness and Protectiveness

A. The performance, effectiveness and protectiveness of the remedy is verified by ensuring that the cover system is intact as constructed and ensure that off-site migration of remaining contamination is progressively mitigated through the long term Site monitoring well sampling program. New York State Water Quality Standards for Surface Water and Groundwater (Table 1, cf. section 703.5 - Class GA), are the established groundwater quality objectives for the Site. TestAmerica Laboratories, Inc.

in Amherst NY performed the laboratory analysis for the collected groundwater samples and Amec Environment & Infrastructure, Inc. conducted a level 2 data validation of the corresponding data. Tabulated groundwater analytical data, isoconcentration and groundwater elevation figures are provided in **Attachment B**.

Insufficient time has elapsed to determine if a decreasing trend in groundwater constituents has been established based on the analytical results from the quarterly groundwater sampling. A trend analysis of the data will be completed with the 2013 Area E PRR.

The performed LNAPL interface checks indicated that for all four quarters, monitoring well ICM-PZ-03S was the only well to contain LNAPL; which was always confined to a layer less than 2 inches. The LNAPL present was subsequently removed through the installation of absorbent socks before the measurement was repeated for the next quarter. Low-Flow well sampling logs are provided in **Attachment C**.

IV. IC/EC Plan Compliance Report

A. IC/EC Requirements and Compliance: A series of Institutional Controls (IC) have been developed and are adhered to by the established Site Environmental Easement. These Institutional Controls are designed to:

- Implement, maintain and monitor Engineering Control systems;
- Address future exposure to remaining contamination by controlling disturbances of the subsurface contamination;
- Prohibit Site groundwater use; and
- Limit the use and development of the site to commercial and industrial uses only.

Engineering Controls (EC) developed for the Site consists of:

- An integrated site-wide cover system consisting of a combination of a minimum of one foot of imported clean soil and topsoil (seeded with native grasses) underlain by a demarcation layer consisting of a woven geotextile, existing/new pavement (asphalt or concrete), and/or existing buildings to address human exposure to remaining contamination at the Site; and
- Provide protocols for the disturbance of Site soils and/or groundwater, and addressing potential vapor intrusion (VI) pathways of occupied structures associated with future development at the Site.

Compliance with the Site IC/EC's is evaluated through documented quarterly site and cover system inspections. The 2012 site and cover system inspection sheets are provided in **Attachment D**. No deficiencies or comments for concern were noted throughout the 2012 time period.

B. IC/EC Certification: The IC/EC certifications are provided in **Attachment A**.

V. Monitoring Plan Compliance Report

A. Components of the Monitoring Plan: Routine Site monitoring activities include:

- Quarterly Low-Flow shallow groundwater sampling;
- Annual Low-Flow groundwater sampling from wells located adjacent to former LNAPL excavation area;
- Quarterly LNAPL interface measurements from wells located adjacent to former LNAPL excavation area;

- Quarterly storm sewer sampling collected from manhole DMH-E31 which is located on Area E and is the furthest downstream manhole prior to the Buffalo River outfall; and
- Quarterly Site and cover system inspections.

B. Summary of Monitoring Completed During Reporting Period: The following tables summarize the routine Site monitoring activities that have been completed in accordance with SMP during 2012:

**AREA E 2012 QUARTERLY MONITORING COMPLIANCE SUMMARY**

| Monitoring Type | 1st | 2nd | 3rd | 4th |
|---|---|---|---|---|
| Low-Flow Shallow Groundwater Well Sampling | X | X | X | X |
| LNAPL Wells Interface Measurements | X | X | X | X |
| DMH-E31 Storm Sewer Sampling | X | X | X | X |
| Site / Cover Inspections | X | X | X | X |

**AREA E 2012 ANNUAL MONITORING COMPLIANCE SUMMARY**

| Monitoring Type | 2012 |
|---|---|
| Low-Flow Shallow Groundwater LNAPL Well Sampling | X |

**AREA E 2012 QUARTERLY WELL MONITORING SUMMARY**

| *Well ID* | *Monitoring Type* | *Monitoring Parameters* | *1st* | *2nd* | *3rd* | *4th* |
|---|---|---|---|---|---|---|
| R-10 | Quarterly Sampling | TCL VOCs, TCL SVOCs, TAL metals | X | X | X | X |
| R-11 | Quarterly Sampling | TCL VOCs, TCL SVOCs, TAL metals | X | X | X | X |
| RFI-17 | Quarterly Sampling | TCL VOCs, TCL SVOCs, TAL metals | X | X | X | X |
| RFI-29 | Quarterly Sampling | TCL VOCs, TCL SVOCs, TAL metals | X | X | X | X |
| RFI-32 | Quarterly Sampling | TCL VOCs, TCL SVOCs, TAL metals | X | X | X | X |
| RFI-33 | Quarterly Sampling | TCL VOCs, TCL SVOCs, TAL metals | X | X | X | X |
| RFI-51 | Quarterly Sampling | TCL VOCs, TCL SVOCs, TAL metals | X | X | X | X |
| RFI-PZ-16 | Quarterly Sampling | TCL VOCs, TCL SVOCs, TAL metals | X | X | X | X |
| MW-E03 | Quarterly Sampling | TCL VOCs, TCL SVOCs, TAL metals | X | X | X | X |
| MW-E04 | Quarterly Sampling | TCL VOCs, TCL SVOCs, TAL metals | | X | X | X |
| MW-E05 | Quarterly Sampling | TCL VOCs, TCL SVOCs, TAL metals | X | X | X | X |
| MW-E06 | Quarterly Sampling | TCL VOCs, TCL SVOCs, TAL metals | X | X | X | X |
| MW-E07 | Quarterly Sampling | TCL VOCs, TCL SVOCs, TAL metals | X | X | X | X |
| MW-E08 | Quarterly NAPL checks | Interface Meter Measurement | X | X | X | X |
| MW-E09 | Quarterly NAPL checks | Interface Meter Measurement | X | X | X | X |
| MW-E10 | Quarterly NAPL checks | Interface Meter Measurement | X | X | X | X |
| ICM-PZ-02S | Quarterly NAPL checks | Interface Meter Measurement | X | X | X | X |
| ICM-PZ-03S | Quarterly NAPL checks | Interface Meter Measurement | X | X | X | X |
| RFI-PZ-17 | Quarterly NAPL checks | Interface Meter Measurement | X | X | X | X |

**AREA E 2012 ANNUAL WELL MONITORING SUMMARY**

| *Well ID* | *Monitoring Type* | *Monitoring Parameters* | *2012* |
|---|---|---|---|
| MW-E08 | Annual Sampling | TCL VOCs, TCL SVOCs, TAL metals | X |
| MW-E09 | Annual Sampling | TCL VOCs, TCL SVOCs, TAL metals | X |
| MW-E10 | Annual Sampling | TCL VOCs, TCL SVOCs, TAL metals | X |
| ICM-PZ-02S | Annual Sampling | TCL VOCs, TCL SVOCs, TAL metals | X |
| ICM-PZ-03S | Annual Sampling | TCL VOCs, TCL SVOCs, TAL metals | X |
| RFI-PZ-17 | Annual Sampling | TCL VOCs, TCL SVOCs, TAL metals | X |

C. Comparisons with Remedial Objectives: Site groundwater analytical results have been tabulated and compared against the established groundwater quality objectives for the Site. Refer to the Evaluation of Remedy Performance, Effectiveness and Protectiveness portion of this report (Section III) for additional information.

D. Monitoring Deficiencies: Monitoring well EW-E04 was not sampled during the first quarter of 2012 as it was found to be defective due to stone/soil debris infill within the well stickup. The well was immediately replaced and was sampled without issue for the following quarters.

E. Conclusions and Recommendations for Changes: No changes are recommended at this time and routine monitoring will continue in 2013.

VI. Operations and Maintenance Plan Compliance Report

A. Components of the O&M Plan: The site remedy does not currently rely on any mechanical systems, such as subslab depressurization systems or air sparge/ soil vapor extraction systems to protect public health and the environment. Therefore, the operation and maintenance of such components is not included within the SMP. Should an active system be required in the future, the SMP will be modified accordingly to address operation and maintenance requirements.

VII. Overall PRR Conclusions

A. Compliance with SMP: Activities completed during 2012 complied with the requirements of the SMP.

B. Performance and Effectiveness of the Remedy: The cover system is intact as constructed and the Site remedy is decreasing COC concentrations in Site groundwater. Rehabilitation of the Site storm sewer system has reduced COC concentrations from groundwater infiltration into the system.

C. Future PRR Submittals: It is currently expected that the next PRR will be submitted on or about May 15, 2014.

Please review the attached information and feel free to contact me if you have any questions.

Sincerely,

Andrew D. Madden
Project Engineer - *Ontario Specialty Contracting, Inc.*

| | | |
|---|---|---|
| cc: | Eugene Melnyk, P.E. | NYSDEC Region 9 |
| | Richard Galloway | Honeywell |
| | Daniel Forlastro | AMEC Engineering and Consulting, Inc. |
| | George Pfeiffer | De Maximis, Inc. |
| | John Yensan | South Buffalo Development, LLC |

DRAWN BY: NEL 4-26-2010 APPROVED BY: ESW 5-17-2010

Railroad Tracks

Area-A

Area-B

Area-C

Area-E

Owned by Others

Owned by Others

Owned by Others

Owned by Others

BCC OUTFALL 006

BCC OUTFALL 006 INV.=567.44', 36"

BUFFALO RIVER ELEVATION = 573.19'

FLOW

Buffalo River

PVS OUTFALL 004,

PVS OUTFALL 003,

PVS OUTFALL 002

PVS OUTFALL 001

BCC OUTFALL 011

SOUTH PARK AVE.

LEE STREET

PRENATT STREET

ELK STREET

OLANDO STREET

200 0 200

SCALE: 1"= 200'

| | | |
|---|---|---|
| SOUTH BUFFALO DEVELOPMENT<br>BUFFALO, NEW YORK | amec<br>Environment & Infrastructure<br>800 North Bell Avenue, Suite 200<br>Pittsburgh, Pennsylvania 15106 | SITE PLAN -<br>FORMER BUFFALO COLOR<br>AREAS ABCE<br>Figure: 1 |

1

P:\PROJECTS\South Buffalo Development\34100907O1\CADD\FINAL\Site Management Plan Figures\Area E SMP Figures\Area E - Figure 2 - Area ABCE Site Plan.dwg Thu, 18 Aug 2011 - 1:36pm esweiler

**ATTACHMENT A**

**PRR NOTICE**
**IC/EC CONTROLS CERTIFICATION FORM**

**Enclosure 2**
**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION**
**Site Management Periodic Review Report Notice**
**Institutional and Engineering Controls Certification Form**

**Site Details** **Box 1**

**Site No. C915232**

**Site Name Buffalo Color Corporation Area E Site**

Site Address: 100 Lee Street (f/k/a 85 Lee Street) et. al. Zip Code: 14210
City/Town: Buffalo
County: Erie
Site Acreage: 15.8

Reporting Period: December 30, 2011 to April 02, 2013

| | YES | NO |
|---|---|---|
| 1. Is the information above correct? | ☒ | ☐ |
| If NO, include handwritten above or on a separate sheet. | | |
| 2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period? | ☐ | ☒ |
| 3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))? | ☐ | ☒ |
| 4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period? | ☐ | ☒ |
| **If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.** | | |
| 5. Is the site currently undergoing development? | ☐ | ☒ |

**Box 2**

| | YES | NO |
|---|---|---|
| 6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial | ☒ | ☐ |
| 7. Are all ICs/ECs in place and functioning as designed? | ☒ | ☐ |

**IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

**A Corrective Measures Work Plan must be submitted along with this form to address these issues.**

_____ _____
Signature of Owner, Remedial Party or Designated Representative Date

**Box 2A**

| | YES | NO |
|---|---|---|
| 8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid? | ☐ | ☒ |

**If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.**

| | | |
|---|---|---|
| 9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years) | ☒ | ☐ |

**If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.**

**SITE NO. C915232** **Box 3**

**Description of Institutional Controls**

| Parcel | Owner | Institutional Control |
|---|---|---|
| **122.12-1-12.1** | Jon Williams | Ground Water Use Restriction<br>Soil Management Plan<br>Landuse Restriction<br>Building Use Restriction<br>Monitoring Plan<br>Site Management Plan<br>IC/EC Plan |

The Site Management Plan includes:
- An Institutional Controls Plan. Institutional controls at the site will include groundwater use restrictions and use restrictions of the Site to restricted use (i.e. commercial purposes).
- A Soil/Fill Management Plan to assure that future intrusive activities and soil/fill handling at the Site are completed in a safe and environmentally responsible manner.
- A Site Monitoring Plan that includes: provisions for groundwater monitoring; and,
- A Site-wide Inspection program to assure that the Institutional controls have not been altered and remain effective.

| | | |
|---|---|---|
| **122.12-1-30** | Jon Williams | Ground Water Use Restriction<br>Soil Management Plan<br>Landuse Restriction<br>Building Use Restriction<br>Monitoring Plan<br>Site Management Plan<br>IC/EC Plan |

The Site Management Plan includes:
- An Institutional Controls Plan. Institutional controls at the site will include groundwater use restrictions and use restrictions of the Site to restricted use (i.e. commercial purposes).
- A Soil/Fill Management Plan to assure that future intrusive activities and soil/fill handling at the Site are completed in a safe and environmentally responsible manner.
- A Site Monitoring Plan that includes: provisions for groundwater monitoring; and,
- A Site-wide Inspection program to assure that the Institutional controls have not been altered and remain effective.

| | | |
|---|---|---|
| **122.12-1-31** | Jon Williams | Ground Water Use Restriction<br>Soil Management Plan<br>Landuse Restriction<br>Building Use Restriction<br>Monitoring Plan<br>Site Management Plan<br>IC/EC Plan |

The Site Management Plan includes:
- An Institutional Controls Plan. Institutional controls at the site will include groundwater use restrictions and use restrictions of the Site to restricted use (i.e. commercial purposes).
- A Soil/Fill Management Plan to assure that future intrusive activities and soil/fill handling at the Site are completed in a safe and environmentally responsible manner.
- A Site Monitoring Plan that includes: provisions for groundwater monitoring; and,
- A Site-wide Inspection program to assure that the Institutional controls have not been altered and remain effective.

| | | |
|---|---|---|
| **122.12-1-9.11** | Jon Williams | Ground Water Use Restriction<br>Soil Management Plan<br>Landuse Restriction<br>Building Use Restriction<br>Monitoring Plan<br>Site Management Plan<br>IC/EC Plan |

The Site Management Plan includes:
- An Institutional Controls Plan. Institutional controls at the site will include groundwater

use restrictions and use restrictions of the Site to restricted use (i.e. commercial purposes).
- A Soil/Fill Management Plan to assure that future intrusive activities and soil/fill handling at the Site are completed in a safe and environmentally responsible manner.
- A Site Monitoring Plan that includes: provisions for groundwater monitoring; and,
- A Site-wide Inspection program to assure that the Institutional controls have not been altered and remain effective.

**122.12-1-9.13** Jon Williams

Landuse Restriction
Building Use Restriction
Monitoring Plan
Site Management Plan
IC/EC Plan

Ground Water Use Restriction
Soil Management Plan

The Site Management Plan includes:
- An Institutional Controls Plan. Institutional controls at the site will include groundwater use restrictions and use restrictions of the Site to restricted use (i.e. commercial purposes).
- A Soil/Fill Management Plan to assure that future intrusive activities and soil/fill handling at the Site are completed in a safe and environmentally responsible manner.
- A Site Monitoring Plan that includes: provisions for groundwater monitoring; and,
- A Site-wide Inspection program to assure that the Institutional controls have not been altered and remain effective.

**Box 4**

**Description of Engineering Controls**

| Parcel | Engineering Control |
|---|---|
| **122.12-1-12.1** | Cover System |
| **122.12-1-30** | Cover System |
| **122.12-1-31** | Cover System |
| **122.12-1-9.11** | Cover System |
| **122.12-1-9.13** | Cover System |

**Box 5**

**Periodic Review Report (PRR) Certification Statements**

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

| YES | NO |
|---|---|
| ☒ | ☐ |

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

| YES | NO |
|---|---|
| ☒ | ☐ |

**IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

**A Corrective Measures Work Plan must be submitted along with this form to address these issues.**

_____ _____

Signature of Owner, Remedial Party or Designated Representative Date

**IC CERTIFICATIONS**
**SITE NO. 915012**

**Box 6**

**SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE**

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Jon M. Williams (print name) at 333 Ganson Street, Buffalo, NY 14203 (print business address),

am certifying as Owner (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification — Date: May 23, 2013

## IC/EC CERTIFICATIONS

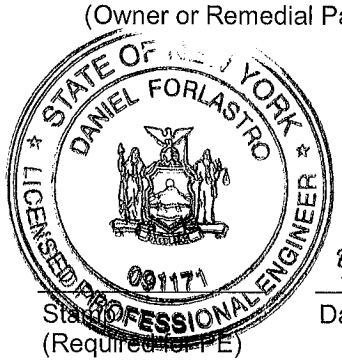
**Box 7**

### Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I DANIEL FORLASTRO at MACTEC, 800 N. BELL AVE, PITTSBURGH PA 15106
print name print business address

am certifying as a Professional Engineer for the SOUTH BUFFALO DEVELOPMENT LLC
(Owner or Remedial Party)




Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

5/22/13
Date

# ATTACHMENT B

# GROUNDWATER DATA TABLES AND FIGURES

Groundwater Exceedances Summary
Buffalo Color Corporation Area E
Buffalo, New York

| | | 1,2-Dichlorobenzene | 1,3-Dicholorbenzene | 1,4-Dicholorbenzene | Benzene | Cholorbenzene | Total TCL VOCs | Total TCL SVOCs |
|---|---|---|---|---|---|---|---|---|
| Class GA Standard** | | 3 | 3 | 3 | 1 | 5 | -- | -- |
| R-10 | | Not Sampled | | | | | | |
| | 10/10 - 1/11 | ORC-A Application | | | | | | |
| | 3/30/2012 | <5 | <5 | <5 | <5 | <5 | 0 | 0 |
| | 6/28/2012 | <5 | <5 | <5 | <5 | <5 | 0 | 0.67 |
| | 9/13/2012 | <5 | <5 | <5 | <5 | <5 | 0 | 0 |
| | 11/29/2012 | <5 | <5 | <5 | <5 | <5 | 0 | 0 |
| R-11 | 11/18/2009 | <5 | <5 | <5 | <5 | <5 | 20 | 0.41 |
| | 10/10 - 1/11 | ORC-A Application | | | | | | |
| | 3/30/2012 | <5 | <5 | <5 | <5 | <5 | 0 | 0 |
| | 6/28/2012 | <5 | <5 | <5 | <5 | <5 | 20 | NA |
| | 9/13/2012 | <5 | <5 | <5 | <5 | <5 | 0 | 0 |
| | 11/29/2012 | <5 | <5 | <5 | <5 | <5 | 0 | 0 |
| RFI-17 | 11/17/2009 | 1.1 | <1 | <1 | <1 | 1.3 | 2.4 | 0 |
| | 10/10 - 1/11 | ORC-A Application | | | | | | |
| | 3/30/2012 | <1 | <1 | <1 | 1.1 | 30 | 31.1 | 0 |
| | 6/28/2012 | <1 | <1 | <1 | <1 | <1 | 0 | 0 |
| | 9/13/2012 | <1 | <1 | <1 | <1 | <1 | 0 | 0 |
| | 11/30/2012 | <1 | <1 | <1 | <1 | <1 | 0 | 0 |
| RFI-29 | 11/17/2009 | 3 | 1.1 | 5.2 | <1 | 14 | 23.3 | 0.42 |
| | 10/10 - 1/11 | ORC-A Application | | | | | | |
| | 3/30/2012 | 1.8 | <1 | 2.9 | <1 | 7.7 | 12.4 | 0 |
| | 6/28/2012 | 3 | 1.1 | 5.8 | <1 | 17 | 26.9 | 0.6 |
| | 9/12/2012 | 3 | 0.98 J | 5.2 | <1 | 16 | 25.18 | 0 |
| | 11/28/2012 | 1.6 | <1 | 2.4 | <1 | 7.5 | 11.5 | 0.91 |
| RFI-32 | 11/20/2009 | <100 | <100 | 49 J | 420 | 28000 | 28469 | 37.95 |
| | 10/10 - 1/11 | ORC-A Application | | | | | | |
| | 3/30/2012 | 20 | 3.7 | 48 | 700 | 30000 | 30776.12 | 0 |
| | 6/28/2012 | <500 | <500 | <500 | 430 J | 28000 | 28430 | 15.2 |
| | 9/12/2012 | <500 | <500 | <500 | 370 J | 27000 | 27370 | 5.15 |
| | 11/29/2012 | <200 | <200 | <200 | 260 | 16000 | 16260 | 15 |
| RFI-33 | 11/18/2009 | <1 | <1 | <1 | <1 | <1 | 0 | 0.53 |
| | 10/10 - 1/11 | ORC-A Application | | | | | | |
| | 3/30/2012 | <1 | <1 | <1 | <1 | 9.4 | 9.4 | 0 |
| | 6/28/2012 | <1 | <1 | <1 | <1 | <1 | 0 | 0 |
| | 9/12/2012 | <1 | <1 | <1 | <1 | <1 | 0 | 0 |
| | 11/30/2012 | <1 | <1 | <1 | <1 | <1 | 0 | 0.35 |
| RFI-51 | 11/19/2009 | 0.56 | <1 | <1 | <1 | 1.7 | 2.26 | 0 |
| | 10/10 - 1/11 | ORC-A Application | | | | | | |
| | 3/30/2012 | <1 | <1 | <1 | <1 | <1 | 0 | 0 |
| | 6/28/2012 | <1 | <1 | <1 | <1 | <1 | 0 | 0 |
| | 9/12/2012 | <1 | <1 | <1 | <1 | <1 | 0 | 0.93 |
| | 11/28/2012 | <1 | <1 | <1 | <1 | <1 | 0 | 0 |
| RFI-PZ-16 | | Not Sampled | | | | | | |
| | 10/10 - 1/11 | ORC-A Application | | | | | | |
| | 3/30/2012 | <1 | <1 | <1 | <1 | <1 | 0 | 0 |
| | 6/28/2012 | <1 | <1 | <1 | <1 | <1 | 0 | 0 |
| | 9/12/2012 | <1 | <1 | <1 | <1 | <1 | 0 | 0 |
| | 11/28/2012 | <1 | <1 | <1 | <1 | <1 | 0 | 0 |
| MW-E03 | 11/20/2009 | <1 | <1 | <1 | <1 | 1.4 | 1.4 | 0.44 |
| | 10/10 - 1/11 | ORC-A Application | | | | | | |
| | 3/30/2012 | <1 | <1 | <1 | 1.7 | 40 | 41.7 | 0 |
| | 6/28/2012 | <1 | <1 | <1 | <1 | <1 | 0 | 0 |
| | 9/12/2012 | <1 | <1 | <1 | <1 | <1 | 0 | 0 |
| | 11/29/2012 | <1 | <1 | <1 | <1 | <1 | 0 | 0.37 |

Created By: ESW
Checked By: ELR

Groundwater Exceedances Summary
Buffalo Color Corporation Area E
Buffalo, New York

| | | 1,2-Dichlorobenzene | 1,3-Dicholorbenzene | 1,4-Dicholorbenzene | Benzene | Cholorbenzene | Total TCL VOCs | Total TCL SVOCs |
|---|---|---|---|---|---|---|---|---|
| Class GA Standard** | | 3 | 3 | 3 | 1 | 5 | -- | -- |
| MW-E04 | 11/20/2009 | 0.55 | <1 | <1 | <1 | 0.8 | 1.83 | 440* |
| | 10/10 - 1/11 | ORC-A Application | | | | | | |
| | 3/30/2012 | No Sample Collected - Well Destroyed | | | | | | |
| | 6/28/2012 | <4 | <4 | <4 | <4 | <4 | 15.6 | 124* |
| | 9/12/2012 | <4 | <4 | <4 | <4 | <4 | 0 | 3.48 |
| | 11/29/2012 | <1 | <1 | <1 | <1 | <1 | 0 | 28.41 |
| MW-E05 | | Not Sampled | | | | | | |
| | 10/10 - 1/11 | ORC-A Application | | | | | | |
| | 3/30/2012 | <1 | <1 | <1 | 0.56 J | 110 | 110.56 | 0 |
| | 6/28/2012 | <1 | <1 | <1 | <1 | 51 | 51 | 0 |
| | 9/11/2012 | <1 | <1 | <1 | <1 | 9.8 | 9.8 | 0 |
| | 11/28/2012 | <1 | <1 | <1 | <1 | 3.9 | 3.9 | 0 |
| MW-E06 | | Not Sampled | | | | | | |
| | 10/10 - 1/11 | ORC-A Application | | | | | | |
| | 3/30/2012 | <1 | <1 | <1 | <1 | 0.76 J | 0.76 | 0 |
| | 6/28/2012 | <1 | <1 | <1 | <1 | <1 | 0 | 0 |
| | 9/11/2012 | 0.87 J | <1 | <1 | <1 | <1 | 0.87 | 0 |
| | 11/28/2012 | <1 | <1 | <1 | <1 | <1 | 0 | 0 |
| MW-E07 | | Not Sampled | | | | | | |
| | 10/10 - 1/11 | ORC-A Application | | | | | | |
| | 3/30/2012 | <1 | <1 | <1 | <1 | <1 | 0 | 34.51 |
| | 6/28/2012 | <1 | <1 | <1 | <1 | <1 | 0 | 77.27 |
| | 9/11/2012 | <1 | <1 | <1 | <1 | <1 | 0 | 45.95 |
| | 11/27/2012 | <1 | <1 | <1 | <1 | <1 | 0 | 45.02 |
| MW-E08 | | Not Sampled | | | | | | |
| | 10/10 - 1/11 | ORC-A Application | | | | | | |
| | 3/30/2012 | <1 | <1 | <1 | <1 | <1 | 0 | 0 |
| | 6/28/2012 | No Sample Collected - Annual Sample Location | | | | | | |
| | 9/11/2012 | No Sample Collected - Annual Sample Location | | | | | | |
| | 11/27/2012 | No Sample Collected - Annual Sample Location | | | | | | |
| MW-E09 | | Not Sampled | | | | | | |
| | 10/10 - 1/11 | ORC-A Application | | | | | | |
| | 3/30/2012 | <1 | <1 | <1 | <1 | <1 | 0 | 0 |
| | 6/28/2012 | No Sample Collected - Annual Sample Location | | | | | | |
| | 9/11/2012 | No Sample Collected - Annual Sample Location | | | | | | |
| | 11/27/2012 | No Sample Collected - Annual Sample Location | | | | | | |
| MW-E10 | | Not Sampled | | | | | | |
| | 10/10 - 1/11 | ORC-A Application | | | | | | |
| | 3/30/2012 | <5 | <5 | <5 | <5 | <5 | 0 | 1.9 |
| | 6/28/2012 | No Sample Collected - Annual Sample Location | | | | | | |
| | 9/11/2012 | No Sample Collected - Annual Sample Location | | | | | | |
| | 11/27/2012 | No Sample Collected - Annual Sample Location | | | | | | |
| ICM-PZ-02S | | Not Sampled | | | | | | |
| | 10/10 - 1/11 | ORC-A Application | | | | | | |
| | 3/30/2012 | <1 | <1 | <1 | <1 | <1 | 0 | 0 |
| | 6/28/2012 | No Sample Collected - Annual Sample Location | | | | | | |
| | 9/11/2012 | No Sample Collected - Annual Sample Location | | | | | | |
| | 11/27/2012 | No Sample Collected - Annual Sample Location | | | | | | |
| ICM-PZ-03S | | Not Sampled | | | | | | |
| | 10/10 - 1/11 | ORC-A Application | | | | | | |
| | 3/30/2012 | <1 | <1 | <1 | <1 | <1 | 3.8 | 0 |
| | 6/28/2012 | No Sample Collected - Annual Sample Location | | | | | | |
| | 9/11/2012 | No Sample Collected - Annual Sample Location | | | | | | |
| | 11/27/2012 | No Sample Collected - Annual Sample Location | | | | | | |
| RFI-PZ-17 | 11/20/2009 | <5 | <5 | <5 | <5 | <5 | 0 | 2.8 |
| | 10/10 - 1/11 | ORC-A Application | | | | | | |
| | 3/30/2012 | <1 | <1 | <1 | <1 | <1 | 0 | 0 |
| | 6/28/2012 | No Sample Collected - Annual Sample Location | | | | | | |
| | 9/11/2012 | No Sample Collected - Annual Sample Location | | | | | | |
| | 11/27/2012 | No Sample Collected - Annual Sample Location | | | | | | |

Notes:

* - MW-E04 exceeded the NY Class GA standard of 5 ug/L for 2,4-Dinitrotoluene and 2,6-Dinitrotoluene

** - Results compared to NYDEC Class GA water quality standards

MW-E04 was discovered to be damaged during the first quarter sampling event, it was repaired prior to the second quarter sampling event

J - Laboratory Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

Results are shown in ug/L.

Blue cells indicate groundwater monitoring events completed prior to the applicaion of ORC-A.

Created By: ESW
Checked By: ELR

DRAWN BY: NEL 4-26-2010 APPROVED BY: ESW 9-19-2012

RFI-29 (12.4)
MW-E05 (110.56)
MW-E06 (0.76)
RFI-32 (30776.12)
MW-E07 (0)
MW-E03 (41.7)
RFI-51 (0)
RFI-PZ-16 (0)
R-11 (0)
ICM-PZ-02S (0)
ICM-PZ-03S (3.8)
MW-E08 (0)
MW-E09 (0)
MW-E10 (0)
RFI-PZ-17 (0)
MW-E04
R-10 (0)
RFI-33 (9.4)
RFI-17 (31.1)
315
Owned by Others
Area-E
PRENATT STREET
ELK STREET
OLANDO STREET

LEGEND

PS-14 (26.9) Monitoring Well Location with Total VOC Concentration ug/L

Concrete Slab (Former Building)

Total VOC Concentrations > 0 to < 50 ug/L

Total VOC Concentration 50 to 300 ug/L

Total VOC Concentration > 300 ug/L

Property Boundary

100 0 100
SCALE: 1"=100'

SOUTH BUFFALO DEVELOPMENT
BUFFALO, NEW YORK

Project No.: 3410110843

amec
Engineering & Consulting Inc.
800 North Bell Avenue, Suite 200
Pittsburgh, PA 15106

March 2012 Groundwater Monitoring Event - Total VOC Concentrations

Figure: 1

1

\\PIT1-FS1\projects\PROJECTS\South Buffalo Development\3410090701\CADD\FINAL\Area E PRR\Area E - Figure 1 - Site Plan.dwg Wed, 19 Sep 2012 - 4:51pm eric.weiler

DRAWN BY: NEL 4-26-2010 APPROVED BY: ESW 9-19-2012

RFI-29 (26.9)
MW-E05 (51)
MW-E06 (0)
RFI-32 (28430)
MW-E07 (0)
MW-E03 (0)
RFI-51 (0)
RFI-PZ-16 (0)
R-11 (20)
ICM-PZ-02S
ICM-PZ-03S
MW-E08
MW-E09
MW-E10
RFI-PZ-17
MW-E04 (15.6)
R-10 (0)
RFI-33 (0)
RFI-17 (0)
315
Owned by Others
PRENATT STREET
ELK STREET
OLANDO STREET
Area-E

LEGEND

PS-14 (26.9) Monitoring Well Location with Total VOC Concentration ug/L

Concrete Slab (Former Building)

Total VOC Concentrations > 0 to < 50 ug/L

Total VOC Concentration 50 to 300 ug/L

Total VOC Concentration > 300 ug/L

Property Boundary

100 0 100
SCALE: 1"=100'

SOUTH BUFFALO DEVELOPMENT
BUFFALO, NEW YORK

Project No.: 3410110843

amec
Engineering & Consulting Inc.
800 North Bell Avenue, Suite 200
Pittsburgh, PA 15106

June 2012 Groundwater Monitoring Event - Total VOC Concentrations

Figure: 2

2

\\PIT1-FS1\projects\PROJECTS\South Buffalo Development\3410090701\CADD\FINAL\Area E PRR\Area E - Figure 1 - Site Plan.dwg Wed, 19 Sep 2012 - 4:53pm eric.weiler

DRAWN BY: NEL 12-10-2012 APPROVED BY: –

RFI-29 (25.18)
MW-E05 (9.8)
MW-E06 (0.87)
RFI-32 (27,370)
MW-E07 (0)
MW-E03 (0)
RFI-51 (NS)
MW-E04 (0)
R-10 (0)
RFI-PZ-16 (0)
R-11 (0)
ICM-PZ-02S (NS)
ICM-PZ-03S (NS)
MW-E08 (NS)
MW-E09 (NS)
MW-E10 (NS)
RFI-PZ-17 (NS)
RFI-17 (0)
RFI-33 (0)

315

Area-E

Owned by Others

PRENATT STREET

ELK STREET

OLANDO STREET

LEGEND

MW-E06 (0.87) Monitoring Well Location with Total VOC Concentration, ug/L

Total VOC Concentrations > 0 < 50, ug/L (dashed where inferred)

Total VOC Concentrations > 50, ug/L (dashed where inferred)

Concrete Slab (Former Building)

100 0 100
SCALE: 1"=100'

SOUTH BUFFALO DEVELOPMENT
BUFFALO, NEW YORK

Project No.: 3410110843

amec Engineering & Consulting Inc.
800 North Bell Avenue, Suite 200
Pittsburgh, PA 15106

SEPTEMBER 2012 GROUNDWATER MONITORING EVENT
TOTAL VOC CONCENTRATIONS
BUFFALO COLOR AREA - E

Figure: 2

2

P:\PROJECTS\South Buffalo Development\3410090701\CADD\FINAL\GW Monitoring – Qtrly Rpts\2012_Q3\Area E Figures 1-2.dwg Fri, 11 Jan 2013 – 10:18am nancy.logattuta

DRAWN BY: NEL 4-23-2013 APPROVED BY: –

RFI-29 (11.5)
MW-E05 (3.9)
MW-E06 (0)
RFI-32 (16,260)
MW-E07 (0)
MW-E03 (0)
RFI-51 (0)
RFI-PZ-16 (0)
R-11 (0)
ICM-PZ-02S (NS)
ICM-PZ-03S (NS)
MW-E08 (NS)
MW-E09 (NS)
MW-E10 (NS)
RFI-PZ-17 (NS)
MW-E04 (0)
R-10 (0)
RFI-33 (0)
RFI-17 (0)
315
Area-E
Owned by Others
PRENATT STREET
ELK STREET

LEGEND

MW-E06 (0) Monitoring Well Location with Total VOC Concentration, ug/L

Total VOC Concentrations > 0 < 50, ug/L (dashed where inferred)

Total VOC Concentrations > 50, ug/L (dashed where inferred)

Concrete Slab (Former Building)

100 0 100
SCALE: 1"=100'

SOUTH BUFFALO DEVELOPMENT
BUFFALO, NEW YORK

Project No.: 3410110843

amec
Environment & Infrastructure - Pittsburgh
800 North Bell Avenue, Carnegie, Pennsylvania 15106
2200 Georgetown Drive, Sewickley, Pennsylvania 15143

NOVEMBER 2012 GROUNDWATER MONITORING EVENT
TOTAL VOC CONCENTRATION
BUFFALO COLOR AREA - E

Figure: 1

1

Z:\E & E\CADD\SBD GW Monitoring 2012_11\Area E 2012.dwg Wed, 24 Apr 2013 - 11:52am nancy.lagattuta

NOTE:
All wells along or across the property boundary are < 5 ppb, and the flow direction is towards the site interior

RFI-29
580.79

MW-E05
580.90

MW-E06
581.65

MW-E07
579.65

RFI-32
578.77

MW-E03
575.53

RFI-51
581.33

MW-E04
580.00

R-10
579.43

RFI-PZ-16
572.65

ICM-PZ-02S
573.03

ICM-PZ-03S
572.64

MW-E08
573.45

MW-E09
573.75

MW-E10
572.69

RFI-PZ-17
572.69

RFI-33
579.45

RFI-17
575.39

581
580
579
578
577
576
575
574

AREA E

Owned by Others

PRENATT STREET

ELK STREET

OLANDO STREET

LEGEND

- Wells with chlorobenzene concentration > 5 ug/L (November 2012 data)
- MW-E04 580.90 — Monitoring well location with groundwater elevation in feet asl (chlorobenzene concentration < 5 ug/L)
- Groundwater elevation contour in feet asl
- Concrete slab (former building)
- Local groundwater flow direction
- Property boundary

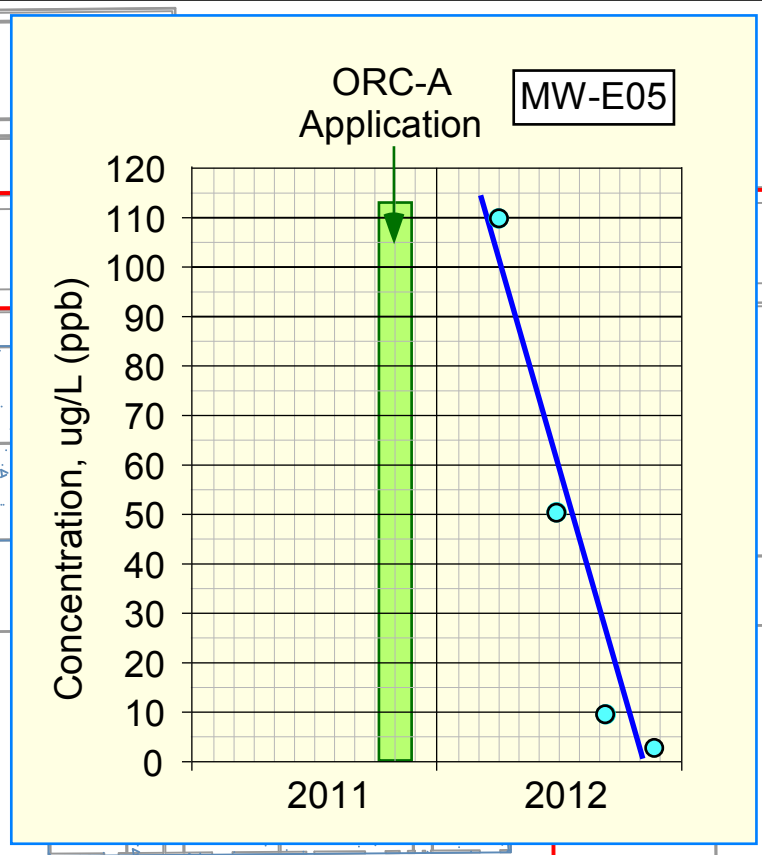
100 0 100
SCALE: 1"=100'

SOUTH BUFFALO DEVELOPMENT
BUFFALO, NEW YORK

Project No.: 3410110843

amec
Engineering & Consulting Inc.
800 North Bell Avenue, Suite 200
Pittsburgh, PA 15106

Groundwater elevations and flow directions, September 2012




RFI-29
7.5
Decreasing

MW-E05
3.9

MW-E06
<5

Excavation & Treatment

RFI-32
16000
Decreasing

MW-E07
<5

MW-E03
<5

RFI-51
<5

MW-E04
<5

R-10
<5

RFI-PZ-16
<5

R-11
<5

ICM-PZ-02S
<5*

ICM-PZ-03S
<5*

MW-E08
<5*

MW-E09
<5*

MW-E10
<5*

RFI-PZ-17
<5*

LNAPL Excavation

RFI-33
<5

Owned by Others

RFI-17
<5

NOTE:
All wells along or across the property boundary are < 5 ppb, and the flow direction is towards the site interior

PRENATT STREET

ELK STREET

OLANDO STREET

LEGEND

Concrete Slab (Former Building)

Property Boundary

Local groundwater flow direction

MW-E05 <5 — Monitoring well location with chlorobenzene concentration <5ug/L

Monitoring well location with chlorobenzene concentration >5ug/L

MW-E10 <5* — Well on annual sampling schedule last available concentration <5 ug/L

100 0 100
SCALE: 1"=100'

SOUTH BUFFALO DEVELOPMENT
BUFFALO, NEW YORK

Project No.: 3410110843

amec
Engineering & Consulting Inc.
800 North Bell Avenue, Suite 200
Pittsburgh, PA 15106

Concentration of chlorobenzene in ug/L, in November 2012

# ATTACHMENT C

# GROUNDWATER SAMPLE LOGS

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_ICM-PZ-02S_0312 | | |
| WELL ID | ICM-PZ-02S | SAMPLE EVENT | AREA.E_1Q2012 | SAMPLE DATE | 3/30/2012 |
| TIME | START 6:44 PM END 7:35 PM | JOB NUMBER | 0913OMM | SAMPLER | Andrew Madden (AM) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 11.40 FT | MEASUREMENT POINT ELEVATION | 585.858 FASL |
| WELL DEPTH | 20.0 FT | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | IN |
| WELL DIAMETER | 2.0 IN | | |
| SCREEN LENGTH | 10.0 FT | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| TOTAL VOL. PURGED | 1.268 GAL | TIME OF SAMPLE COLLECTION | 6:55 PM |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 18:58 | | 12.37 | 200 | 9.69 | 1.262 | 6.83 | 1.28 | 13.90 | 1.1 | Dark w/visible black suspended particle |
| 19:03 | 0.264 | 12.40 | 200 | 9.89 | 1.266 | 6.79 | 1.10 | 11.40 | 0.8 | |
| 19:06 | 0.159 | 12.41 | 200 | 9.98 | 1.271 | 6.76 | 0.85 | 9.31 | -1.1 | |
| 19:09 | 0.159 | 12.41 | 200 | 10.04 | 1.275 | 6.81 | 0.82 | 7.23 | -2.6 | |
| 19:13 | 0.211 | 12.41 | 200 | 10.13 | 1.279 | 6.84 | 0.76 | 4.23 | -5.9 | |
| 19:16 | 0.159 | 12.40 | 200 | 10.19 | 1.285 | 6.80 | 0.73 | 4.41 | -7.9 | |
| 19:19 | 0.159 | 12.43 | 200 | 10.26 | 1.287 | 6.85 | 0.73 | 4.53 | -9.0 | |
| 19:22 | 0.159 | 12.45 | 200 | 10.28 | 1.292 | 6.84 | 0.71 | 4.43 | -9.5 | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED |
|---|---|---|---|---|---|
| STANDARD | [X] VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] VOC |
| | [X] SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] SVOC |
| | [X] TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| MS | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| MSD | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 1.268

COMMENTS

Dark w/visible black suspended particles

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Andrew Madden

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | |
|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_ICM-PZ-03S_0312 |
| WELL ID | ICM-PZ-03S | SAMPLE EVENT | AREA.E_1Q2012 |
| TIME | START 5:30 PM END 6:30 PM | JOB NUMBER | 0913OMM |
| SAMPLE DATE | 3/30/2012 | SAMPLER | Andrew Madden (AM) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 11.86 FT | MEASUREMENT POINT ELEVATION | 585.938 FASL |
| WELL DEPTH | 20.0 FT | DEPTH TO NAPL NON DETECT (ND) | 11.84 FT |
| WELL DIAMETER | 2.0 IN | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | IN |
| SCREEN LENGTH | 10.0 FT | NAPL VOL. REMOVED | 0.06 GAL |
| TOTAL VOL. PURGED | 1.215 GAL | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| | | TIME OF SAMPLE COLLECTION | 6:00 PM |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [X] ABSORBENT SOCK

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 17:50 | | 12.50 | 200 | 9.99 | 2.091 | 6.86 | 1.43 | 7.00 | -53.8 | Visibly see oil sheen & black suspended |
| 17:55 | 0.264 | 12.54 | 200 | 10.30 | 2.072 | 6.85 | 1.03 | 5.22 | -40.9 | |
| 18:00 | 0.264 | 12.51 | 200 | 10.45 | 2.058 | 6.85 | 0.83 | 4.05 | -28.6 | |
| 18:03 | 0.159 | 12.52 | 200 | 10.46 | 2.050 | 6.90 | 0.70 | 3.08 | -26.7 | |
| 18:07 | 0.211 | 12.52 | 200 | 10.47 | 2.035 | 6.87 | 0.68 | 3.54 | -24.0 | |
| 18:13 | 0.317 | 12.52 | 200 | 10.47 | 2.031 | 6.91 | 0.62 | 3.19 | -23.8 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 1.215

COMMENTS

Can visibly see oil sheen & black suspended particles

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: 

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_MW-E03_0312 | | |
| WELL ID | MW-E03 | SAMPLE EVENT | AREA.E_1Q2012 | SAMPLE DATE | 3/30/2012 |
| TIME | START 10:35 AM END 11:30 AM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 10.83 FT | MEASUREMENT POINT ELEVATION | 588.457 FASL |
| WELL DEPTH | 13.0 FT | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | IN |
| WELL DIAMETER | 2.0 IN | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| SCREEN LENGTH | 10.0 FT | TIME OF SAMPLE COLLECTION | 11:20 AM |
| TOTAL VOL. PURGED | 0.380 GAL | | |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 10:55 | | 11.97 | 160 | 9.33 | 1.150 | 6.99 | 1.34 | 17.20 | 761.4 | Cloudy, greenish, flaky. Samples taken |
| 10:58 | 0.127 | 12.11 | 160 | 9.23 | 1.160 | 7.01 | 1.03 | 17.10 | 760.9 | |
| 11:01 | 0.127 | 12.29 | 160 | 9.18 | 1.170 | 7.05 | 0.95 | 7.85 | 762.2 | |
| 11:04 | 0.127 | 12.53 | 160 | 9.26 | 1.175 | 7.04 | 0.91 | 7.62 | 761.3 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.380

COMMENTS

Cloudy, greenish tint, took samples 11:04, run low

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_MW-E04_0312 | | |
| WELL ID | MW-E04 | SAMPLE EVENT | AREA.E_1Q2012 | SAMPLE DATE | 3/29/2012 |
| TIME | START 11:00 AM END 11:15 AM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | FT | MEASUREMENT POINT | [X] TOP OF WELL RISER; [ ] TOP OF PROTECTIVE CASING; [ ] OTHER |
| WELL DEPTH | 11.5 FT | MEASUREMENT POINT ELEVATION | 588.636 FASL |
| WELL DIAMETER | 2.0 IN | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | IN |
| SCREEN LENGTH | 10.0 FT | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [ ] NO [X] |
| TOTAL VOL. PURGED | GAL | TIME OF SAMPLE COLLECTION | |

NAPL REMOVAL METHOD: [ ] BAILER; [ ] PERISTALTIC PUMP; [X] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): FT

NAPL VOL. REMOVED: 36.13 GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 11:15 | | | | | | | | | | Broken well, stones. No Sample |

## EQUIPMENT DOCUMENTATION

| TYPE OF PUMP | TYPE OF TUBING | TYPE OF WATER QUALITY METER | TYPE OF WATER LEVEL DEVICE |
|---|---|---|---|
| [ ] WAILER | [X] SILICONE | [X] YSI 556 MPS W/ FLOW CELL | [X] GEOTECH INTERFACE METER |
| [ ] SIMCO BLADDER | [X] HIGH DENSITY POLYETHYLENE | [ ] HORIBA U-50 W/ FLOW CELL | [ ] SOLINST WATER METER |
| [X] GEOPUMP PERISTALTIC PUMP | [ ] OTHER | [ ] OTHER | [ ] OTHER |

## ANALYTICAL PARAMETERS

To Be Collected

| | | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED:

COMMENTS

Broken Well, stones. No Sample

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_MW-E05_0312 | | |
| WELL ID | MW-E05 | SAMPLE EVENT | AREA.E_1Q2012 | SAMPLE DATE | 3/29/2012 |
| TIME | START 9:10 AM END 10:25 AM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 5.42 FT | MEASUREMENT POINT ELEVATION | 586.679 FASL |
| WELL DEPTH | 13.0 FT | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | IN |
| WELL DIAMETER | 2.0 IN | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| SCREEN LENGTH | 10.0 FT | TIME OF SAMPLE COLLECTION | 10:15 AM |
| TOTAL VOL. PURGED | 0.428 GAL | | |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 9:41 | | 5.71 | 180 | 8.07 | 0.973 | 6.64 | 4.77 | 10.70 | 22.4 | Clear, took M, MS, MSD samples |
| 9:44 | 0.143 | 5.75 | 180 | 8.04 | 0.975 | 6.59 | 3.62 | 7.75 | 26.3 | |
| 9:47 | 0.143 | 5.78 | 180 | 8.26 | 0.969 | 6.59 | 2.76 | 6.89 | 30.0 | |
| 9:50 | 0.143 | 5.80 | 180 | 8.33 | 0.966 | 6.57 | 2.27 | 6.65 | 31.5 | |
| 9:53 | 0.143 | 5.80 | 180 | 8.35 | 0.965 | 6.58 | 1.93 | 6.41 | 32.8 | |
| 9:50 | -0.143 | 5.81 | 180 | 8.35 | 0.962 | 6.55 | 1.89 | 7.11 | 34.7 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.428

COMMENTS

Clear

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: _____

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_MW-E06_0312 | | |
| WELL ID | MW-E06 | SAMPLE EVENT | AREA.E_1Q2012 | SAMPLE DATE | 3/29/2012 |
| TIME | START 11:30 AM END 12:25 PM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 4.92 FT | MEASUREMENT POINT ELEVATION | 586.947 FASL |
| WELL DEPTH | 13.0 FT | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | IN |
| WELL DIAMETER | 2.0 IN | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| SCREEN LENGTH | 10.0 FT | TIME OF SAMPLE COLLECTION | 12:15 PM |
| TOTAL VOL. PURGED | 1.215 GAL | | |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 11:50 | | 5.37 | 200 | 7.66 | 2.255 | 6.13 | 3.17 | 82.10 | 16.2 | Cloudy, small flakes, clearing |
| 11:55 | 0.264 | 5.40 | 200 | 7.62 | 2.248 | 6.10 | 1.36 | 73.30 | 9.2 | |
| 11:59 | 0.211 | 5.40 | 200 | 7.66 | 2.210 | 6.07 | 1.48 | 58.60 | 8.5 | |
| 12:02 | 0.159 | 5.46 | 200 | 7.72 | 2.196 | 6.06 | 1.62 | 52.60 | 9.6 | |
| 12:05 | 0.159 | 5.56 | 200 | 7.76 | 2.156 | 6.05 | 1.33 | 36.30 | 9.7 | |
| 12:07 | 0.106 | 5.59 | 200 | 7.77 | 2.150 | 6.03 | 1.20 | 34.80 | 8.6 | |
| 12:10 | 0.159 | 5.62 | 200 | 7.76 | 2.143 | 6.05 | 1.08 | 31.50 | 8.3 | |
| 12:13 | 0.159 | 5.65 | 200 | 7.75 | 2.140 | 6.06 | 1.06 | 31.20 | 8.0 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED |
|---|---|---|---|---|---|
| STANDARD | [X] VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] VOC |
| | [X] SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] SVOC |
| | [X] TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| MS | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| MSD | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 1.215

COMMENTS

Cloudy, small flakes

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_MW-E07_0312 | | |
| WELL ID | MW-E07 | SAMPLE EVENT | AREA.E_1Q2012 | SAMPLE DATE | 3/29/2012 |
| TIME | START 2:20 PM END 3:20 PM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 4.45 FT | MEASUREMENT POINT ELEVATION | 587.05 FASL |
| WELL DEPTH | 14.0 FT | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | IN |
| WELL DIAMETER | 2.0 IN | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| SCREEN LENGTH | 10.0 FT | TIME OF SAMPLE COLLECTION | 3:15 PM |
| TOTAL VOL. PURGED | 0.925 GAL | | |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 14:42 | | 5.10 | 175 | 8.26 | 1.109 | 5.84 | 2.05 | 20.40 | 20.3 | Clay color flakes |
| 14:45 | 0.139 | 5.10 | 175 | 8.22 | 1.107 | 5.80 | 1.11 | 18.00 | 18.6 | |
| 14:50 | 0.231 | 5.11 | 175 | 8.24 | 1.094 | 5.78 | 1.31 | 32.60 | 11.0 | |
| 14:53 | 0.139 | 5.15 | 175 | 8.23 | 1.089 | 5.77 | 1.38 | 38.60 | 8.3 | |
| 14:56 | 0.139 | 5.16 | 175 | 8.22 | 1.083 | 5.76 | 1.31 | 40.60 | 8.4 | |
| 14:59 | 0.139 | 5.19 | 175 | 8.25 | 1.080 | 5.75 | 1.10 | 43.30 | 8.5 | |
| 15:02 | 0.139 | 5.20 | 175 | 8.28 | 1.078 | 5.75 | 1.01 | 45.90 | 9.0 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.925

COMMENTS

Clay color flakes

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_MW-E08_0312 | | |
| WELL ID | MW-E08 | SAMPLE EVENT | AREA.E_1Q2012 | SAMPLE DATE | 3/29/2012 |
| TIME | START 4:12 PM END 5:00 PM | JOB NUMBER | 0913OMM | SAMPLER | Andrew Madden (AM) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 9.40 FT | MEASUREMENT POINT ELEVATION | 585.903 FASL |
| WELL DEPTH | 13.0 FT | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | IN |
| WELL DIAMETER | 2.0 IN | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| SCREEN LENGTH | 10.0 FT | TIME OF SAMPLE COLLECTION | 4:30 PM |
| TOTAL VOL. PURGED | 1.057 GAL | | |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 16:29 | | 10.07 | 200 | 9.30 | 1.866 | 6.25 | 4.51 | 0.51 | 77.1 | |
| 16:32 | 0.159 | 10.29 | 200 | 9.20 | 1.907 | 6.28 | 2.74 | 9.01 | 76.9 | |
| 16:35 | 0.159 | 10.43 | 200 | 9.17 | 1.915 | 6.30 | 2.88 | 9.29 | 76.4 | |
| 16:39 | 0.211 | 10.72 | 200 | 9.11 | 1.950 | 6.34 | 3.70 | 8.89 | 75.9 | |
| 16:43 | 0.211 | 10.94 | 200 | 9.11 | 1.974 | 6.36 | 2.88 | 6.49 | 74.6 | |
| 16:46 | 0.159 | 11.12 | 200 | 9.06 | 1.989 | 6.38 | 2.73 | 3.98 | 74.3 | |
| 16:49 | 0.159 | 11.36 | 200 | 9.11 | 2.003 | 6.40 | 2.25 | 3.98 | 74.3 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 1.057

COMMENTS

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Andrew Madden

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | |
|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_MW-E09_0312 |
| WELL ID | MW-E09 | SAMPLE EVENT | AREA.E_1Q2012 |
| TIME | START 3:04 PM END 4:05 PM | JOB NUMBER | 0913OMM |
| SAMPLE DATE | 3/29/2012 | SAMPLER | Andrew Madden (AM) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 9.29 FT | MEASUREMENT POINT ELEVATION | 585.979 FASL |
| WELL DEPTH | 13.0 FT | DEPTH TO NAPL NON DETECT (ND) | ND FT |
| WELL DIAMETER | 2.0 IN | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | IN |
| SCREEN LENGTH | 10.0 FT | NAPL VOL. REMOVED | GAL |
| TOTAL VOL. PURGED | 1.796 GAL | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| | | TIME OF SAMPLE COLLECTION | 3:52 PM |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 15:18 | | 9.95 | 200 | 9.15 | 1.849 | 6.87 | 8.46 | 199.00 | 77.7 | |
| 15:25 | 0.370 | 10.28 | 200 | 9.10 | 2.011 | 6.17 | 2.61 | 119.00 | 77.8 | |
| 15:35 | 0.528 | 10.79 | 200 | 9.03 | 2.018 | 6.04 | 1.75 | 64.30 | 78.7 | |
| 15:38 | 0.159 | 10.90 | 200 | 9.02 | 2.023 | 6.03 | 1.40 | 36.70 | 78.8 | |
| 15:43 | 0.264 | 11.11 | 200 | 9.05 | 2.037 | 6.01 | 1.06 | 21.30 | 79.6 | |
| 15:46 | 0.159 | 11.19 | 200 | 9.05 | 2.042 | 6.00 | 1.20 | 15.00 | 87.1 | |
| 15:49 | 0.159 | 11.37 | 200 | 9.08 | 2.050 | 5.97 | 0.81 | 10.80 | 85.9 | |
| 15:52 | 0.159 | 11.46 | 200 | 9.06 | 2.057 | 5.96 | 1.10 | 7.38 | 90.5 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 1.796

COMMENTS

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Andrew Madden

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_MW-E10_0312 | | |
| WELL ID | MW-E10 | SAMPLE EVENT | AREA.E_1Q2012 | SAMPLE DATE | 3/30/2012 |
| TIME | START 12:10 PM END 2:00 PM | JOB NUMBER | 0913OMM | SAMPLER | Andrew Madden (AM) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 11.47 FT | MEASUREMENT POINT ELEVATION | 586.34 FASL |
| WELL DEPTH | 13.5 FT | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | IN |
| WELL DIAMETER | 2.0 IN | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| SCREEN LENGTH | 9.9 FT | TIME OF SAMPLE COLLECTION | 1:15 PM |
| TOTAL VOL. PURGED | GAL | | |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 12:50 | | | | | | | | | | Sampled directly without records, very tu |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

To Be Collected

| | | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED:

COMMENTS

Very turbid, purged, finished next day

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Andrew Madden

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_R-10_0312 | | |
| WELL ID | R-10 | SAMPLE EVENT | AREA.E_1Q2012 | SAMPLE DATE | 3/30/2012 |
| TIME | START 2:40 PM END 3:55 PM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 6.42 FT | MEASUREMENT POINT ELEVATION | 588.784 FASL |
| WELL DEPTH | 18.0 FT | DEPTH TO NAPL NON DETECT (ND) | ND FT |
| WELL DIAMETER | 3.0 IN | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | IN |
| SCREEN LENGTH | Unknown FT | NAPL VOL. REMOVED | GAL |
| TOTAL VOL. PURGED | 1.585 GAL | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| | | TIME OF SAMPLE COLLECTION | 3:55 PM |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 15:24 | | 8.71 | 200 | 9.65 | 0.939 | 8.50 | 2.47 | 59.40 | 67.4 | |
| 15:28 | 0.211 | 7.89 | 200 | 9.56 | 0.951 | 8.53 | 2.93 | 65.00 | 67.7 | |
| 15:31 | 0.159 | 8.04 | 200 | 9.54 | 0.957 | 8.53 | 2.65 | 51.90 | 67.3 | |
| 15:34 | 0.159 | 8.10 | 200 | 9.62 | 0.962 | 8.54 | 2.64 | 48.40 | 66.9 | |
| 15:41 | 0.370 | 8.25 | 200 | 9.64 | 0.971 | 8.54 | 3.24 | 46.60 | 65.3 | |
| 15:44 | 0.159 | 8.32 | 200 | 9.87 | 0.970 | 8.53 | 3.52 | 44.80 | 65.7 | |
| 15:47 | 0.159 | 8.41 | 200 | 10.01 | 0.973 | 8.51 | 3.33 | 45.20 | 65.2 | |
| 15:51 | 0.211 | 8.47 | 200 | 10.01 | 0.978 | 8.47 | 3.22 | 49.90 | 62.2 | |
| 15:54 | 0.159 | 8.52 | 200 | 9.98 | 0.983 | 8.45 | 3.10 | 48.10 | 60.9 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 1.585

COMMENTS

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_R-11_0312 | | |
| WELL ID | R-11 | SAMPLE EVENT | AREA.E_1Q2012 | SAMPLE DATE | 3/30/2012 |
| TIME | START 3:20 PM END 4:20 PM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 5.78 FT | MEASUREMENT POINT ELEVATION | 586.356 FASL |
| WELL DEPTH | 17.3 FT | DEPTH TO NAPL NON DETECT (ND) | ND FT |
| WELL DIAMETER | 3.0 IN | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | IN |
| SCREEN LENGTH | Unknown FT | NAPL VOL. REMOVED | GAL |
| TOTAL VOL. PURGED | 0.523 GAL | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| | | TIME OF SAMPLE COLLECTION | 4:20 PM |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 16:07 | | 9.45 | 180 | 8.93 | 0.703 | 7.86 | 1.52 | 71.30 | -29.7 | Dirty, cloudy, greenish tint |
| 16:10 | 0.143 | 9.63 | 180 | 8.81 | 0.704 | 7.87 | 0.71 | 76.10 | -23.1 | |
| 16:13 | 0.143 | 9.79 | 180 | 8.69 | 0.704 | 7.85 | 0.59 | 72.30 | 13.0 | |
| 16:15 | 0.095 | 9.93 | 180 | 8.66 | 0.704 | 7.84 | 0.55 | 68.70 | -13.1 | |
| 16:18 | 0.143 | 10.20 | 180 | 8.66 | 0.705 | 7.84 | 0.52 | 60.80 | -11.4 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.523

COMMENTS

Dirty, cloudy, greenish tint

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_RFI-17_0312 | | |
| WELL ID | RFI-17 | SAMPLE EVENT | AREA.E_1Q2012 | SAMPLE DATE | 3/30/2012 |
| TIME | START 11:55 AM END 12:50 PM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 6.82 FT | MEASUREMENT POINT ELEVATION | 585.815 FASL |
| WELL DEPTH | 12.0 FT | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | IN |
| WELL DIAMETER | 2.0 IN | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| SCREEN LENGTH | 5.0 FT | TIME OF SAMPLE COLLECTION | 12:38 PM |
| TOTAL VOL. PURGED | 0.693 GAL | | |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 12:13 | | 8.49 | 175 | 9.86 | 0.938 | 6.91 | 2.90 | 0.93 | 3.0 | Clear |
| 12:16 | 0.139 | 8.69 | 175 | 9.71 | 0.939 | 6.91 | 2.46 | 1.06 | 2.1 | |
| 12:19 | 0.139 | 9.02 | 175 | 9.65 | 0.939 | 6.91 | 2.13 | 0.40 | 1.5 | |
| 12:22 | 0.139 | 9.15 | 175 | 9.53 | 0.942 | 6.88 | 2.11 | 0.99 | 0.3 | |
| 12:25 | 0.139 | 9.27 | 175 | 9.69 | 0.940 | 6.92 | 2.06 | 1.09 | 0.4 | |
| 12:28 | 0.139 | 9.39 | 175 | 9.77 | 0.940 | 6.92 | 2.03 | 1.13 | 0.6 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.693

COMMENTS

Clear

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_RFI-29_0312 | | |
| WELL ID | RFI-29 | SAMPLE EVENT | AREA.E_1Q2012 | SAMPLE DATE | 3/30/2012 |
| TIME | START 7:45 AM END 8:25 AM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 5.70 FT | MEASUREMENT POINT ELEVATION | 585.691 FASL |
| WELL DEPTH | 14.0 FT | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | IN |
| WELL DIAMETER | 2.0 IN | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| SCREEN LENGTH | 5.0 FT | TIME OF SAMPLE COLLECTION | 8:20 AM |
| TOTAL VOL. PURGED | 0.761 GAL | | |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 8:05 | | 6.41 | 180 | 7.38 | 2.266 | 7.08 | 1.82 | 1.71 | -13.7 | Clear |
| 8:08 | 0.143 | 6.40 | 180 | 7.83 | 2.151 | 7.33 | 1.12 | 1.33 | -15.0 | |
| 8:12 | 0.190 | 6.42 | 180 | 8.03 | 2.010 | 7.47 | 0.90 | 0.49 | -17.4 | |
| 8:15 | 0.143 | 6.46 | 180 | 8.23 | 1.876 | 7.55 | 0.70 | 1.32 | -18.9 | |
| 8:18 | 0.143 | 6.48 | 180 | 8.28 | 1.797 | 7.59 | 0.62 | 1.29 | 28.4 | |
| 8:21 | 0.143 | 6.47 | 180 | 8.34 | 1.723 | 7.62 | 0.58 | 1.25 | -36.7 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.761

COMMENTS

Clear

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_RFI-32_0312 | | |
| WELL ID | RFI-32 | SAMPLE EVENT | AREA.E_1Q2012 | SAMPLE DATE | 3/30/2012 |
| TIME | START 9:00 AM END 9:55 AM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 5.74 FT | MEASUREMENT POINT ELEVATION | 586.621 FASL |
| WELL DEPTH | 13.0 FT | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | IN |
| WELL DIAMETER | 2.0 IN | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| SCREEN LENGTH | 5.0 FT | TIME OF SAMPLE COLLECTION | 9:45 AM |
| TOTAL VOL. PURGED | 0.452 GAL | | |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 9:20 | | 10.09 | 190 | 9.17 | 2.052 | 6.63 | 0.64 | 1.44 | -14.6 | Clear |
| 9:24 | 0.201 | 10.61 | 190 | 9.15 | 2.057 | 6.63 | 0.69 | 1.76 | -14.4 | |
| 9:27 | 0.151 | 10.62 | 190 | 9.20 | 2.058 | 6.65 | 0.79 | 2.22 | -14.3 | |
| 9:29 | 0.100 | 10.63 | 190 | 9.32 | 2.063 | 6.66 | 0.75 | 2.03 | -14.3 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.452

COMMENTS

Clear

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_RFI-33_0312 | | |
| WELL ID | RFI-33 | SAMPLE EVENT | AREA.E_1Q2012 | SAMPLE DATE | 3/30/2012 |
| TIME | START 2:05 PM END 3:15 PM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 1.39 FT | MEASUREMENT POINT ELEVATION | 583.17 FASL |
| WELL DEPTH | 12.0 FT | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | IN |
| WELL DIAMETER | 2.0 IN | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| SCREEN LENGTH | 5.0 FT | TIME OF SAMPLE COLLECTION | 3:15 PM |
| TOTAL VOL. PURGED | 0.977 GAL | | |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 14:35 | | 5.16 | 185 | 10.68 | 0.686 | 7.24 | 5.84 | 17.30 | -16.4 | |
| 14:38 | 0.147 | 5.33 | 185 | 10.33 | 0.689 | 7.26 | 5.86 | 14.50 | -14.8 | |
| 14:41 | 0.147 | 5.60 | 185 | 9.96 | 0.876 | 7.19 | 5.31 | 14.50 | 11.7 | |
| 14:43 | 0.098 | 5.75 | 185 | 1.06 | 1.057 | 7.12 | 4.71 | 7.79 | -9.3 | |
| 14:46 | 0.147 | 5.93 | 185 | 9.93 | 1.276 | 7.08 | 3.29 | 6.70 | -8.3 | |
| 14:49 | 0.147 | 6.04 | 185 | 9.99 | 1.411 | 7.05 | 2.74 | 5.61 | -7.8 | |
| 14:52 | 0.147 | 6.23 | 185 | 9.94 | 1.546 | 7.03 | 2.28 | 4.22 | -7.0 | |
| 14:55 | 0.147 | 6.36 | 185 | 9.85 | 1.678 | 7.01 | 2.03 | 3.37 | -7.1 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.977

COMMENTS

Cloudy, Flakes

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas O. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_RFI-51_0312 | | |
| WELL ID | RFI-51 | SAMPLE EVENT | AREA.E_1Q2012 | SAMPLE DATE | 3/29/2012 |
| TIME | START 4:45 PM END 6:10 PM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 4.98 FT | MEASUREMENT POINT ELEVATION | 586.956 FASL |
| WELL DEPTH | 14.0 FT | DEPTH TO NAPL NON DETECT (ND) | ND FT |
| WELL DIAMETER | 2.0 IN | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | IN |
| SCREEN LENGTH | 5.0 FT | NAPL VOL. REMOVED | GAL |
| TOTAL VOL. PURGED | 1.902 GAL | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| | | TIME OF SAMPLE COLLECTION | 5:55 PM |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 17:12 | | 7.40 | 225 | 8.24 | 2.543 | 6.94 | 0.85 | 63.80 | -43.7 | Dirty start, clearing up |
| 17:34 | 1.308 | 7.43 | 225 | 8.29 | 2.553 | 7.05 | 0.55 | 51.20 | -46.2 | |
| 17:37 | 0.178 | 7.52 | 225 | 8.29 | 2.552 | 7.05 | 0.55 | 42.30 | -48.5 | |
| 17:39 | 0.119 | 7.58 | 225 | 8.26 | 2.554 | 7.05 | 0.52 | 40.80 | -48.6 | |
| 17:41 | 0.119 | 7.66 | 225 | 8.30 | 2.552 | 7.06 | 0.57 | 40.90 | -48.1 | |
| 17:44 | 0.178 | 7.75 | 225 | 8.29 | 2.552 | 7.06 | 0.54 | 37.50 | -48.6 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 1.902

COMMENTS

Dirty start, cloudy

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_RFI-PZ-16_0312 | | |
| WELL ID | RFI-PZ-16 | SAMPLE EVENT | AREA.E_1Q2012 | SAMPLE DATE | 3/29/2012 |
| TIME | START 3:40 PM END 4:40 PM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 5.99 FT | MEASUREMENT POINT ELEVATION | 587.05 FASL |
| WELL DEPTH | No Record FT | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | IN |
| WELL DIAMETER | 2.0 IN | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| SCREEN LENGTH | Unknown FT | TIME OF SAMPLE COLLECTION | 4:30 PM |
| TOTAL VOL. PURGED | 0.301 GAL | | |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 16:13 | | 5.88 | 190 | 7.24 | 0.980 | 6.83 | 1.92 | 7.38 | 2.4 | |
| 16:16 | 0.151 | 5.90 | 190 | 7.27 | 0.986 | 6.87 | 0.95 | 5.23 | 1.7 | |
| 16:04 | -0.602 | 5.90 | 190 | 7.29 | 0.961 | 6.59 | 1.66 | 16.00 | 3.4 | |
| 16:07 | 0.151 | 5.90 | 190 | 7.27 | 0.966 | 6.72 | 1.69 | 11.70 | 1.8 | |
| 16:10 | 0.151 | 5.90 | 190 | 7.25 | 0.973 | 6.79 | 2.09 | 9.03 | 1.9 | |
| 16:19 | 0.452 | 5.90 | 190 | 7.26 | 0.987 | 6.89 | 0.81 | 5.71 | 1.7 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.301

COMMENTS

Clear

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | |
|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_RFI-PZ-17_0312 |
| WELL ID | RFI-PZ-17 | SAMPLE EVENT | AREA.E_1Q2012 |
| TIME | START 10:00 AM END 11:05 AM | JOB NUMBER | 0913OMM |
| SAMPLE DATE | 3/29/2012 | SAMPLER | Andrew Madden (AM) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 12.51 FT | MEASUREMENT POINT ELEVATION | 586.123 FASL |
| WELL DEPTH | Unknown FT | DEPTH TO NAPL NON DETECT (ND) | ND FT |
| WELL DIAMETER | 2.0 IN | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | 1.25 IN |
| SCREEN LENGTH | Unknown FT | NAPL VOL. REMOVED | GAL |
| TOTAL VOL. PURGED | 1.374 GAL | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| | | TIME OF SAMPLE COLLECTION | 10:50 AM |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 10:25 | | 13.45 | 200 | 8.94 | 1.506 | 7.23 | 1.57 | 4.78 | -110.8 | |
| 10:30 | 0.264 | 13.72 | 200 | 9.05 | 1.480 | 7.18 | 1.24 | 1.82 | -108.9 | |
| 10:34 | 0.211 | 14.09 | 200 | 8.98 | 1.440 | 7.11 | 1.03 | 1.45 | -98.0 | |
| 10:38 | 0.211 | 14.34 | 200 | 9.03 | 1.436 | 7.08 | 0.91 | 1.18 | -96.7 | |
| 10:45 | 0.370 | 14.82 | 200 | 9.15 | 1.439 | 7.07 | 1.27 | 1.47 | -97.7 | |
| 10:48 | 0.159 | 14.94 | 200 | 9.20 | 1.442 | 7.07 | 1.26 | 1.16 | -99.4 | |
| 10:51 | 0.159 | 15.15 | 200 | 9.27 | 1.446 | 7.09 | 1.37 | 0.66 | -97.9 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 1.374

COMMENTS

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Andrew Madden

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_ICM-PZ-02S_0612 | | |
| WELL ID | ICM-PZ-02S | SAMPLE EVENT | AREA.E_2Q2012 | SAMPLE DATE | 6/29/2012 |
| TIME | START 11:00 AM END 11:15 AM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 11.45 FT | MEASUREMENT POINT | [X] TOP OF WELL RISER; [ ] TOP OF PROTECTIVE CASING; [ ] OTHER |
| WELL DEPTH | 20.0 FT | MEASUREMENT POINT ELEVATION | 585.858 FASL |
| WELL DIAMETER | 2.0 IN | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | IN |
| SCREEN LENGTH | 10.0 FT | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| TOTAL VOL. PURGED | GAL | TIME OF SAMPLE COLLECTION | |

NAPL REMOVAL METHOD: [ ] BAILER; [ ] PERISTALTIC PUMP; [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
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## EQUIPMENT DOCUMENTATION

| TYPE OF PUMP | TYPE OF TUBING | TYPE OF WATER QUALITY METER | TYPE OF WATER LEVEL DEVICE |
|---|---|---|---|
| [ ] WAILER | [X] SILICONE | [X] YSI 556 MPS W/ FLOW CELL | [X] GEOTECH INTERFACE METER |
| [ ] SIMCO BLADDER | [X] HIGH DENSITY POLYETHYLENE | [ ] HORIBA U-50 W/ FLOW CELL | [ ] SOLINST WATER METER |
| [X] GEOPUMP PERISTALTIC PUMP | [ ] OTHER | [ ] OTHER | [ ] OTHER |

## ANALYTICAL PARAMETERS

To Be Collected

| | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED |
|---|---|---|---|---|---|
| STANDARD | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| MS | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| MSD | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED:

COMMENTS

ND

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_ICM-PZ-03S_0612 | | |
| WELL ID | ICM-PZ-03S | SAMPLE EVENT | AREA.E_2Q2012 | SAMPLE DATE | 6/29/2012 |
| TIME | START 10:45 AM END 11:00 AM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 10.93 FT | MEASUREMENT POINT | [X] TOP OF WELL RISER; [ ] TOP OF PROTECTIVE CASING; [ ] OTHER |
| WELL DEPTH | 20.0 FT | MEASUREMENT POINT ELEVATION | 585.938 FASL |
| WELL DIAMETER | 2.0 IN | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | IN |
| SCREEN LENGTH | 10.0 FT | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| TOTAL VOL. PURGED | GAL | TIME OF SAMPLE COLLECTION | |

NAPL REMOVAL METHOD: [ ] BAILER; [ ] PERISTALTIC PUMP; [X] ABSORBENT SOCK

| | | | |
|---|---|---|---|
| DEPTH TO NAPL NON DETECT (ND) | 10.87 FT | NAPL VOL. REMOVED | 0.19 GAL |

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
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## EQUIPMENT DOCUMENTATION

| TYPE OF PUMP | TYPE OF TUBING | TYPE OF WATER QUALITY METER | TYPE OF WATER LEVEL DEVICE |
|---|---|---|---|
| [ ] WAILER | [X] SILICONE | [X] YSI 556 MPS W/ FLOW CELL | [X] GEOTECH INTERFACE METER |
| [ ] SIMCO BLADDER | [X] HIGH DENSITY POLYETHYLENE | [ ] HORIBA U-50 W/ FLOW CELL | [ ] SOLINST WATER METER |
| [X] GEOPUMP PERISTALTIC PUMP | [ ] OTHER | [ ] OTHER | [ ] OTHER |

## ANALYTICAL PARAMETERS

To Be Collected

| | | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED |
|---|---|---|---|---|---|---|
| STANDARD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

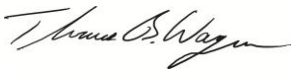
NUMBER OF GALLONS GENERATED:

COMMENTS

ND

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required



SIGNITURE: _____

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_MW-E03_0612 | | |
| WELL ID | MW-E03 | SAMPLE EVENT | AREA.E_2Q2012 | SAMPLE DATE | 6/28/2012 |
| TIME | START 9:05 AM END 9:45 AM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 11.06 FT | MEASUREMENT POINT ELEVATION | 588.457 FASL |
| WELL DEPTH | 13.0 FT | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | IN |
| WELL DIAMETER | 2.0 IN | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| SCREEN LENGTH | 10.0 FT | TIME OF SAMPLE COLLECTION | 9:22 AM |
| TOTAL VOL. PURGED | 0.137 GAL | | |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 9:16 | | 12.64 | 130 | 14.72 | 1.147 | 6.88 | 0.43 | 32.07 | 18.2 | |
| 9:18 | 0.069 | 12.77 | 130 | 14.76 | 1.149 | 6.88 | 0.36 | 23.98 | 19.0 | |
| 9:20 | 0.069 | 12.77 | 130 | 14.76 | 1.149 | 6.87 | 0.34 | 21.85 | 19.7 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.137

COMMENTS

Clear but small tan flakes, low water

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_MW-E04_0612 | | |
| WELL ID | MW-E04 | SAMPLE EVENT | AREA.E_2Q2012 | SAMPLE DATE | 6/29/2012 |
| TIME | START 8:00 AM END 9:20 AM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 6.18 FT | MEASUREMENT POINT ELEVATION | 588.636 FASL |
| WELL DEPTH | 11.5 FT | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | IN |
| WELL DIAMETER | 2.0 IN | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| SCREEN LENGTH | 10.0 FT | TIME OF SAMPLE COLLECTION | 8:45 AM |
| TOTAL VOL. PURGED | 0.349 GAL | | |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 8:30 | | 6.76 | 110 | 15.46 | 1.554 | 6.75 | 7.28 | 29.98 | 24.6 | |
| 8:32 | 0.058 | 6.83 | 110 | 15.58 | 1.548 | 6.75 | 7.08 | 27.28 | 26.1 | |
| 8:34 | 0.058 | 6.89 | 110 | 15.58 | 1.530 | 6.75 | 7.20 | 24.88 | 30.8 | |
| 8:37 | 0.087 | 6.95 | 110 | 15.55 | 1.493 | 6.76 | 7.25 | 25.72 | 30.4 | |
| 8:39 | 0.058 | 7.00 | 110 | 15.51 | 1.458 | 6.77 | 7.19 | 24.23 | 30.7 | |
| 8:42 | 0.087 | 7.03 | 110 | 15.46 | 1.430 | 6.77 | 7.20 | 21.92 | 31.9 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.349

COMMENTS

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_MW-E05_0612 | | |
| WELL ID | MW-E05 | SAMPLE EVENT | AREA.E_2Q2012 | SAMPLE DATE | 6/26/2012 |
| TIME | START 10:45 AM END 1:00 PM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 5.80 FT | MEASUREMENT POINT | [X] TOP OF WELL RISER; [ ] TOP OF PROTECTIVE CASING; [ ] OTHER |
| WELL DEPTH | 13.0 FT | MEASUREMENT POINT ELEVATION | 586.679 FASL |
| WELL DIAMETER | 2.0 IN | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | IN |
| SCREEN LENGTH | 10.0 FT | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| TOTAL VOL. PURGED | 0.277 GAL | TIME OF SAMPLE COLLECTION | 11:15 AM |

NAPL REMOVAL METHOD: [ ] BAILER; [ ] PERISTALTIC PUMP; [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 11:16 | | 6.27 | 150 | 15.60 | 1.017 | 6.75 | 0.86 | 18.42 | 70.3 | |
| 11:18 | 0.079 | 6.34 | 150 | 15.59 | 1.014 | 6.74 | 0.68 | 19.31 | 75.9 | |
| 11:20 | 0.079 | 6.38 | 150 | 15.59 | 1.013 | 6.72 | 0.63 | 10.66 | 78.5 | |
| 11:23 | 0.119 | 6.42 | 150 | 15.62 | 1.011 | 6.72 | 0.57 | 11.44 | 79.9 | |
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## EQUIPMENT DOCUMENTATION

| TYPE OF PUMP | TYPE OF TUBING | TYPE OF WATER QUALITY METER | TYPE OF WATER LEVEL DEVICE |
|---|---|---|---|
| [ ] WAILER | [X] SILICONE | [X] YSI 556 MPS W/ FLOW CELL | [X] GEOTECH INTERFACE METER |
| [ ] SIMCO BLADDER | [X] HIGH DENSITY POLYETHYLENE | [ ] HORIBA U-50 W/ FLOW CELL | [ ] SOLINST WATER METER |
| [X] GEOPUMP PERISTALTIC PUMP | [ ] OTHER | [ ] OTHER | [ ] OTHER |

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.277

COMMENTS

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_MW-E06_0612 | | |
| WELL ID | MW-E06 | SAMPLE EVENT | AREA.E_2Q2012 | SAMPLE DATE | 6/26/2012 |
| TIME | START 1:15 PM END 2:25 PM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 5.42 FT | MEASUREMENT POINT ELEVATION | 586.947 FASL |
| WELL DEPTH | 13.0 FT | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | IN |
| WELL DIAMETER | 2.0 IN | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| SCREEN LENGTH | 10.0 FT | TIME OF SAMPLE COLLECTION | 1:30 PM |
| TOTAL VOL. PURGED | 0.697 GAL | | |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 13:30 | | 5.82 | 120 | 15.66 | 2.257 | 6.41 | 1.31 | 76.04 | -36.3 | |
| 13:33 | 0.095 | 5.88 | 120 | 15.72 | 2.234 | 6.40 | 1.32 | 79.61 | -30.8 | |
| 13:35 | 0.063 | 5.90 | 120 | 15.86 | 2.193 | 6.39 | 1.07 | 83.51 | -28.6 | |
| 13:38 | 0.095 | 5.92 | 120 | 16.29 | 2.115 | 6.31 | 0.59 | 84.51 | -22.1 | |
| 13:41 | 0.095 | 5.95 | 120 | 16.80 | 2.081 | 6.27 | 0.63 | 64.86 | -22.7 | |
| 13:44 | 0.095 | 5.98 | 120 | 16.98 | 2.060 | 6.21 | 0.58 | 52.12 | -21.6 | |
| 13:47 | 0.095 | 6.00 | 120 | 16.81 | 2.061 | 6.23 | 0.55 | 49.73 | -21.6 | |
| 13:49 | 0.063 | 6.01 | 120 | 16.81 | 2.046 | 6.20 | 0.50 | 43.68 | -21.1 | |
| 13:52 | 0.095 | 6.02 | 120 | 16.83 | 2.037 | 6.19 | 0.45 | 43.01 | -20.5 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.697

COMMENTS

Cloudy

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_MW-E07_0612 | | |
| WELL ID | MW-E07 | SAMPLE EVENT | AREA.E_2Q2012 | SAMPLE DATE | 6/27/2012 |
| TIME | START 10:40 AM END 11;35 | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 5.31 FT | MEASUREMENT POINT | [X] TOP OF WELL RISER; [ ] TOP OF PROTECTIVE CASING; [ ] OTHER |
| WELL DEPTH | 14.0 FT | MEASUREMENT POINT ELEVATION | 587.05 FASL |
| WELL DIAMETER | 2.0 IN | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | IN |
| SCREEN LENGTH | 10.0 FT | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| TOTAL VOL. PURGED | 0.198 GAL | TIME OF SAMPLE COLLECTION | 10:58 AM |

NAPL REMOVAL METHOD: [ ] BAILER; [ ] PERISTALTIC PUMP; [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 10:58 | | 5.87 | 125 | 16.59 | 1.096 | 5.96 | 0.74 | 11.16 | -37.7 | |
| 11:00 | 0.066 | 5.87 | 125 | 16.63 | 1.097 | 5.94 | 0.66 | 11.99 | -37.4 | |
| 11:02 | 0.066 | 5.75 | 125 | 16.62 | 1.097 | 5.94 | 0.57 | 11.50 | -37.2 | |
| 11:04 | 0.066 | 5.75 | 125 | 16.60 | 1.098 | 5.95 | 0.53 | 11.09 | -37.4 | |
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## EQUIPMENT DOCUMENTATION

| TYPE OF PUMP | TYPE OF TUBING | TYPE OF WATER QUALITY METER | TYPE OF WATER LEVEL DEVICE |
|---|---|---|---|
| [ ] WAILER | [X] SILICONE | [X] YSI 556 MPS W/ FLOW CELL | [X] GEOTECH INTERFACE METER |
| [ ] SIMCO BLADDER | [X] HIGH DENSITY POLYETHYLENE | [ ] HORIBA U-50 W/ FLOW CELL | [ ] SOLINST WATER METER |
| [X] GEOPUMP PERISTALTIC PUMP | [ ] OTHER | [ ] OTHER | [ ] OTHER |

## ANALYTICAL PARAMETERS

To Be Collected

| | | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.198

COMMENTS

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas A. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_MW-E08_0612 | | |
| WELL ID | MW-E08 | SAMPLE EVENT | AREA.E_2Q2012 | SAMPLE DATE | 6/29/2012 |
| TIME | START 10:00 AM END 10:15 AM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 10.43 FT | MEASUREMENT POINT | [X] TOP OF WELL RISER; [ ] TOP OF PROTECTIVE CASING; [ ] OTHER |
| WELL DEPTH | 13.0 FT | MEASUREMENT POINT ELEVATION | 585.903 FASL |
| WELL DIAMETER | 2.0 IN | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | IN |
| SCREEN LENGTH | 10.0 FT | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| TOTAL VOL. PURGED | GAL | TIME OF SAMPLE COLLECTION | |

NAPL REMOVAL METHOD: [ ] BAILER; [ ] PERISTALTIC PUMP; [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
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## EQUIPMENT DOCUMENTATION

| TYPE OF PUMP | TYPE OF TUBING | TYPE OF WATER QUALITY METER | TYPE OF WATER LEVEL DEVICE |
|---|---|---|---|
| [ ] WAILER | [X] SILICONE | [X] YSI 556 MPS W/ FLOW CELL | [X] GEOTECH INTERFACE METER |
| [ ] SIMCO BLADDER | [X] HIGH DENSITY POLYETHYLENE | [ ] HORIBA U-50 W/ FLOW CELL | [ ] SOLINST WATER METER |
| [X] GEOPUMP PERISTALTIC PUMP | [ ] OTHER | [ ] OTHER | [ ] OTHER |

## ANALYTICAL PARAMETERS

To Be Collected

| | | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED:

COMMENTS

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_MW-E09_0612 | | |
| WELL ID | MW-E09 | SAMPLE EVENT | AREA.E_2Q2012 | SAMPLE DATE | 6/29/2012 |
| TIME | START 10:15 AM END 10;30 | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 8.85 FT | MEASUREMENT POINT ELEVATION | 585.979 FASL |
| WELL DEPTH | 13.0 FT | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | IN |
| WELL DIAMETER | 2.0 IN | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| SCREEN LENGTH | 10.0 FT | TIME OF SAMPLE COLLECTION | |
| TOTAL VOL. PURGED | GAL | | |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED |
|---|---|---|---|---|---|---|
| STANDARD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

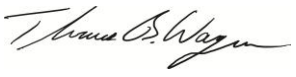
PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED:

COMMENTS

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required



SIGNITURE: _____

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_MW-E10_0612 | | |
| WELL ID | MW-E10 | SAMPLE EVENT | AREA.E_2Q2012 | SAMPLE DATE | 6/29/2012 |
| TIME | START 10:30 AM END 10:45 AM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 11.17 FT | MEASUREMENT POINT ELEVATION | 586.34 FASL |
| WELL DEPTH | 13.5 FT | DEPTH TO NAPL NON DETECT (ND) | ND FT |
| WELL DIAMETER | 2.0 IN | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | IN |
| SCREEN LENGTH | 9.9 FT | NAPL VOL. REMOVED | GAL |
| TOTAL VOL. PURGED | GAL | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| | | TIME OF SAMPLE COLLECTION | |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED |
|---|---|---|---|---|---|---|
| STANDARD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES [X] NO [ ]

NUMBER OF GALLONS GENERATED

COMMENTS

ND

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: _____

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_R-10_0612 | | |
| WELL ID | R-10 | SAMPLE EVENT | AREA.E_2Q2012 | SAMPLE DATE | 6/28/2012 |
| TIME | START 9:55 AM END 10:55 AM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 7.82 FT | MEASUREMENT POINT | [X] TOP OF WELL RISER; [ ] TOP OF PROTECTIVE CASING; [ ] OTHER |
| WELL DEPTH | 18.0 FT | MEASUREMENT POINT ELEVATION | 588.784 FASL |
| WELL DIAMETER | 3.0 IN | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | IN |
| SCREEN LENGTH | Unknown FT | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| TOTAL VOL. PURGED | 0.396 GAL | TIME OF SAMPLE COLLECTION | 10:30 AM |

NAPL REMOVAL METHOD: [ ] BAILER; [ ] PERISTALTIC PUMP; [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 10:17 | | 8.52 | 125 | 14.49 | 0.901 | 8.61 | 0.46 | 16.76 | -145.7 | |
| 10:19 | 0.066 | 8.57 | 125 | 14.44 | 0.900 | 8.67 | 0.33 | 16.09 | -157.1 | |
| 10:21 | 0.066 | 8.62 | 125 | 14.36 | 0.899 | 8.71 | 0.30 | 20.56 | -157.3 | |
| 10:23 | 0.066 | 8.67 | 125 | 14.35 | 0.898 | 8.74 | 0.28 | 18.06 | -165.6 | |
| 10:25 | 0.066 | 8.70 | 125 | 14.29 | 0.898 | 8.75 | 0.25 | 16.68 | -172.2 | |
| 10:27 | 0.066 | 8.73 | 125 | 14.25 | 0.898 | 8.76 | 0.24 | 18.35 | -170.4 | |
| 10:29 | 0.066 | 8.76 | 125 | 14.19 | 0.898 | 8.77 | 0.22 | 17.53 | -180.6 | |
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## EQUIPMENT DOCUMENTATION

| TYPE OF PUMP | TYPE OF TUBING | TYPE OF WATER QUALITY METER | TYPE OF WATER LEVEL DEVICE |
|---|---|---|---|
| [ ] WAILER | [X] SILICONE | [X] YSI 556 MPS W/ FLOW CELL | [X] GEOTECH INTERFACE METER |
| [ ] SIMCO BLADDER | [X] HIGH DENSITY POLYETHYLENE | [ ] HORIBA U-50 W/ FLOW CELL | [ ] SOLINST WATER METER |
| [X] GEOPUMP PERISTALTIC PUMP | [ ] OTHER | [ ] OTHER | [ ] OTHER |

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.396

COMMENTS

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas O. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_R-11_0612 | | |
| WELL ID | R-11 | SAMPLE EVENT | AREA.E_2Q2012 | SAMPLE DATE | 6/28/2012 |
| TIME | START 11:45 AM END 1:30 PM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 6.50 FT | MEASUREMENT POINT ELEVATION | 586.356 FASL |
| WELL DEPTH | 17.3 FT | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | IN |
| WELL DIAMETER | 3.0 IN | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| SCREEN LENGTH | Unknown FT | TIME OF SAMPLE COLLECTION | 12:30 PM |
| TOTAL VOL. PURGED | 0.378 GAL | | |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 12:30 | | 8.40 | 110 | 16.94 | 0.750 | 7.73 | 0.96 | 86.55 | -130.1 | |
| 12:32 | 0.058 | 8.50 | 110 | 16.83 | 0.750 | 7.75 | 0.71 | 80.51 | -126.5 | |
| 12:34 | 0.058 | 8.52 | 110 | 16.74 | 0.750 | 7.77 | 0.69 | 82.46 | -122.4 | |
| 12:37 | 0.087 | 8.73 | 110 | 16.87 | 0.748 | 7.77 | 0.77 | 82.51 | -126.1 | |
| 12:43 | 0.174 | 9.00 | 110 | 0.68 | 0.784 | 7.97 | 2.36 | 86.65 | -159.7 | |

## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.378

COMMENTS

Cloudy, High Turbidity, Low Water

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_RFI-17_0612 | | |
| WELL ID | RFI-17 | SAMPLE EVENT | AREA.E_2Q2012 | SAMPLE DATE | 6/28/2012 |
| TIME | START 1:35 PM END 2:30 PM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 7.22 FT | MEASUREMENT POINT ELEVATION | 585.815 FASL |
| WELL DEPTH | 12.0 FT | DEPTH TO NAPL NON DETECT (ND) | ND FT |
| WELL DIAMETER | 2.0 IN | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | IN |
| SCREEN LENGTH | 5.0 FT | NAPL VOL. REMOVED | GAL |
| TOTAL VOL. PURGED | 0.291 GAL | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| | | TIME OF SAMPLE COLLECTION | 2:00 PM |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 13:47 | | 8.36 | 110 | 16.06 | 1.044 | 6.97 | 0.88 | 12.30 | 7.4 | |
| 13:49 | 0.058 | 8.52 | 110 | 15.88 | 1.043 | 6.96 | 0.78 | 12.89 | 8.1 | |
| 13:51 | 0.058 | 8.62 | 110 | 15.77 | 1.043 | 6.97 | 0.72 | 4.47 | 8.2 | |
| 13:53 | 0.058 | 8.71 | 110 | 15.75 | 1.043 | 6.97 | 0.72 | 10.55 | 8.1 | |
| 13:55 | 0.058 | 8.82 | 110 | 15.72 | 1.043 | 6.97 | 0.73 | 4.73 | 8.8 | |
| 13:57 | 0.058 | 8.89 | 110 | 15.70 | 1.043 | 6.98 | 0.72 | 2.69 | 9.0 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

To Be Collected

| | | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.291

COMMENTS

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_RFI-29_0612 | | |
| WELL ID | RFI-29 | SAMPLE EVENT | AREA.E_2Q2012 | SAMPLE DATE | 6/27/2012 |
| TIME | START 3:00 PM END 3:40 PM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 6.82 FT | MEASUREMENT POINT ELEVATION | 585.691 FASL |
| WELL DEPTH | 14.0 FT | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | IN |
| WELL DIAMETER | 2.0 IN | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| SCREEN LENGTH | 5.0 FT | TIME OF SAMPLE COLLECTION | 3:15 PM |
| TOTAL VOL. PURGED | 0.309 GAL | | |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 15:03 | | 6.92 | 130 | 15.72 | 1.430 | 7.77 | 0.38 | 1.25 | -143.9 | |
| 15:06 | 0.103 | 6.92 | 130 | 15.78 | 1.341 | 7.79 | 0.37 | 1.20 | -149.3 | |
| 15:08 | 0.069 | 6.92 | 130 | 15.80 | 1.282 | 7.83 | 0.30 | 1.33 | -156.4 | |
| 15:10 | 0.069 | 6.93 | 130 | 15.84 | 1.247 | 7.85 | 0.23 | 2.27 | -162.8 | |
| 15:12 | 0.069 | 6.95 | 130 | 15.83 | 1.219 | 7.87 | 0.21 | 1.46 | -162.8 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.309

COMMENTS

Clear

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_RFI-32_0612 | | |
| WELL ID | RFI-32 | SAMPLE EVENT | AREA.E_2Q2012 | SAMPLE DATE | 6/28/2012 |
| TIME | START 8:00 AM END 8:55 AM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 6.35 FT | MEASUREMENT POINT ELEVATION | 586.621 FASL |
| WELL DEPTH | 13.0 FT | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | IN |
| WELL DIAMETER | 2.0 IN | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| SCREEN LENGTH | 5.0 FT | TIME OF SAMPLE COLLECTION | 8:30 AM |
| TOTAL VOL. PURGED | 0.232 GAL | | |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 8:19 | | 7.92 | 110 | 14.26 | 2.058 | 6.73 | 0.68 | 4.40 | -35.5 | |
| 8:21 | 0.058 | 8.32 | 110 | 14.23 | 2.057 | 6.74 | 0.55 | 3.31 | -34.8 | |
| 8:23 | 0.058 | 8.55 | 110 | 14.23 | 2.052 | 6.75 | 0.42 | 3.70 | -33.9 | |
| 8:25 | 0.058 | 8.84 | 110 | 14.22 | 2.030 | 6.76 | 0.45 | 4.37 | -33.9 | |
| 8:27 | 0.058 | 9.12 | 110 | 14.21 | 1.985 | 6.78 | 0.49 | 3.59 | -35.6 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.232

COMMENTS

Clear

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_RFI-33_0612 | | |
| WELL ID | RFI-33 | SAMPLE EVENT | AREA.E_2Q2012 | SAMPLE DATE | 6/29/2012 |
| TIME | START 9:30 AM END 10:30 AM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 2.64 FT | MEASUREMENT POINT ELEVATION | 583.17 FASL |
| WELL DEPTH | 12.0 FT | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | IN |
| WELL DIAMETER | 2.0 IN | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| SCREEN LENGTH | 5.0 FT | TIME OF SAMPLE COLLECTION | 9:40 AM |
| TOTAL VOL. PURGED | 1.395 GAL | | |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 9:07 | | 5.48 | 120 | 17.70 | 1.516 | 7.12 | 1.77 | 21.28 | -63.1 | |
| 9:40 | 1.046 | 5.60 | 120 | 17.81 | 1.210 | 7.17 | 1.96 | 30.15 | -60.4 | |
| 9:42 | 0.063 | 5.68 | 120 | 17.54 | 1.041 | 7.22 | 2.36 | 24.27 | -58.2 | |
| 9:44 | 0.063 | 5.80 | 120 | 17.52 | 0.958 | 7.26 | 2.36 | 24.27 | -53.6 | |
| 9:47 | 0.095 | 5.91 | 120 | 17.41 | 0.934 | 7.27 | 2.40 | 25.22 | -51.3 | |
| 9:51 | 0.127 | 6.01 | 120 | 0.73 | 0.944 | 7.27 | 2.41 | 24.35 | -47.9 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED |
|---|---|---|---|---|---|
| STANDARD | [X] VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] VOC |
| | [X] SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] SVOC |
| | [X] TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| MS | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| MSD | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 1.395

COMMENTS

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_RFI-51_0612 | | |
| WELL ID | RFI-51 | SAMPLE EVENT | AREA.E_2Q2012 | SAMPLE DATE | 6/27/2012 |
| TIME | START 11:40 AM END 1:50 PM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 5.50 FT | MEASUREMENT POINT | [X] TOP OF WELL RISER; [ ] TOP OF PROTECTIVE CASING; [ ] OTHER |
| WELL DEPTH | 14.0 FT | MEASUREMENT POINT ELEVATION | 586.956 FASL |
| WELL DIAMETER | 2.0 IN | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | IN |
| SCREEN LENGTH | 5.0 FT | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| TOTAL VOL. PURGED | 0.320 GAL | TIME OF SAMPLE COLLECTION | 1:00 PM |

NAPL REMOVAL METHOD: [ ] BAILER; [ ] PERISTALTIC PUMP; [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 13:00 | | 8.10 | 110 | 14.42 | 3.378 | 7.18 | 1.14 | 84.40 | -107.8 | Sampling, high turbidity |
| 13:02 | 0.058 | 8.15 | 110 | 14.31 | 3.381 | 7.19 | 0.60 | 76.04 | -107.9 | |
| 13:05 | 0.087 | 8.17 | 110 | 14.28 | 3.379 | 7.19 | 0.50 | 75.73 | -109.2 | |
| 13:07 | 0.058 | 8.20 | 110 | 14.33 | 3.370 | 7.19 | 0.38 | 70.83 | -110.8 | |
| 13:09 | 0.058 | 8.24 | 110 | 14.39 | 3.348 | 7.20 | 0.25 | 78.41 | -111.5 | |
| 13:11 | 0.058 | 8.29 | 110 | 14.46 | 3.323 | 7.19 | 0.26 | 92.17 | -112.5 | |
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## EQUIPMENT DOCUMENTATION

| TYPE OF PUMP | TYPE OF TUBING | TYPE OF WATER QUALITY METER | TYPE OF WATER LEVEL DEVICE |
|---|---|---|---|
| [ ] WAILER | [X] SILICONE | [X] YSI 556 MPS W/ FLOW CELL | [X] GEOTECH INTERFACE METER |
| [ ] SIMCO BLADDER | [X] HIGH DENSITY POLYETHYLENE | [ ] HORIBA U-50 W/ FLOW CELL | [ ] SOLINST WATER METER |
| [X] GEOPUMP PERISTALTIC PUMP | [ ] OTHER | [ ] OTHER | [ ] OTHER |

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| STANDARD | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| STANDARD | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| STANDARD | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| DUPLICATE | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| DUPLICATE | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| DUPLICATE | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| MS | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| MS | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| MS | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| MSD | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| MSD | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| MSD | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.320

COMMENTS

Dirty, High Turbidity

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_RFI-PZ-16_0612 | | |
| WELL ID | RFI-PZ-16 | SAMPLE EVENT | AREA.E_2Q2012 | SAMPLE DATE | 6/27/2012 |
| TIME | START 1:55 PM END 2:45 PM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 12.84 FT | MEASUREMENT POINT ELEVATION | 587.05 FASL |
| WELL DEPTH | No Record FT | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | IN |
| WELL DIAMETER | 2.0 IN | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| SCREEN LENGTH | Unknown FT | TIME OF SAMPLE COLLECTION | 2:10 PM |
| TOTAL VOL. PURGED | 0.392 GAL | | |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 14:06 | | 12.85 | 135 | 16.59 | 1.186 | 6.81 | 0.92 | 23.60 | -3.0 | |
| 14:08 | 0.071 | 12.85 | 135 | 16.51 | 1.192 | 6.84 | 0.81 | 20.99 | -3.3 | |
| 14:10 | 0.071 | 12.85 | 135 | 16.52 | 1.193 | 6.85 | 0.88 | 18.75 | -3.7 | |
| 14:12 | 0.071 | 12.86 | 135 | 16.51 | 1.194 | 6.86 | 0.89 | 19.80 | -4.2 | |
| 14:15 | 0.107 | 12.86 | 135 | 16.46 | 1.197 | 6.86 | 0.89 | 18.23 | -5.3 | |
| 14:17 | 0.071 | 12.86 | 135 | 16.47 | 1.198 | 6.86 | 0.99 | 17.50 | -5.7 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.392

COMMENTS

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas O. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_RFI-PZ-17_0612 | | |
| WELL ID | RFI-PZ-17 | SAMPLE EVENT | AREA.E_2Q2012 | SAMPLE DATE | 6/29/2012 |
| TIME | START 11:15 AM END 11:30 AM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 13.70 FT | MEASUREMENT POINT ELEVATION | 586.123 FASL |
| WELL DEPTH | Unknown FT | DEPTH TO NAPL NON DETECT (ND) | ND FT |
| WELL DIAMETER | 2.0 IN | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | IN |
| SCREEN LENGTH | Unknown FT | NAPL VOL. REMOVED | GAL |
| TOTAL VOL. PURGED | GAL | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| | | TIME OF SAMPLE COLLECTION | |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED |
|---|---|---|---|---|---|
| STANDARD | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| MS | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| MSD | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES [X] NO [ ]

NUMBER OF GALLONS GENERATED

COMMENTS

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas O. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_ICM-PZ-02S_0912 | | |
| WELL ID | ICM-PZ-02S | SAMPLE EVENT | AREA.E_3Q2012 | SAMPLE DATE | 9/17/2012 |
| TIME | START 1:10 PM END 1:20 PM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 12.83 FT | MEASUREMENT POINT ELEVATION | 585.858 FASL |
| WELL DEPTH | 20.0 FT | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | 3.5 IN |
| WELL DIAMETER | 2.0 IN | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| SCREEN LENGTH | 10.0 FT | TIME OF SAMPLE COLLECTION | |
| TOTAL VOL. PURGED | GAL | | |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED |
|---|---|---|---|---|---|---|
| STANDARD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

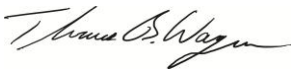
PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED:

COMMENTS

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required



SIGNITURE: _____

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_ICM-PZ-03S_0912 | | |
| WELL ID | ICM-PZ-03S | SAMPLE EVENT | AREA.E_3Q2012 | SAMPLE DATE | 9/17/2012 |
| TIME | START 1:20 PM END 1:30 PM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | | | |
|---|---|---|---|---|---|
| STATIC DEPTH TO WATER | 13.30 FT | MEASUREMENT POINT | [X] TOP OF WELL RISER<br>[ ] TOP OF PROTECTIVE CASING<br>[ ] OTHER | NAPL REMOVAL METHOD | [ ] BAILER<br>[ ] PERISTALTIC PUMP<br>[X] ABSORBENT SOCK |
| WELL DEPTH | 20.0 FT | MEASUREMENT POINT ELEVATION | 585.938 FASL | DEPTH TO NAPL NON DETECT (ND) | 13.15 FT |
| WELL DIAMETER | 2.0 IN | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | 2.75 IN | NAPL VOL. REMOVED | 0.47 GAL |
| SCREEN LENGTH | 10.0 FT | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] | | |
| TOTAL VOL. PURGED | GAL | TIME OF SAMPLE COLLECTION | | | |

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
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## EQUIPMENT DOCUMENTATION

| TYPE OF PUMP | TYPE OF TUBING | TYPE OF WATER QUALITY METER | TYPE OF WATER LEVEL DEVICE |
|---|---|---|---|
| [ ] WAILER | [X] SILICONE | [X] YSI 556 MPS W/ FLOW CELL | [X] GEOTECH INTERFACE METER |
| [ ] SIMCO BLADDER | [X] HIGH DENSITY POLYETHYLENE | [ ] HORIBA U-50 W/ FLOW CELL | [ ] SOLINST WATER METER |
| [X] GEOPUMP PERISTALTIC PUMP | [ ] OTHER | [ ] OTHER | [ ] OTHER |

## ANALYTICAL PARAMETERS

To Be Collected

| | | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES [X] NO [ ]

NUMBER OF GALLONS GENERATED

COMMENTS

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_MW-E03_0912 | | |
| WELL ID | MW-E03 | SAMPLE EVENT | AREA.E_3Q2012 | SAMPLE DATE | 9/12/2012 |
| TIME | START 1:05 PM END 2:00 PM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 12.93 FT | MEASUREMENT POINT ELEVATION | 588.457 FASL |
| WELL DEPTH | 13.0 FT | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | 0.5 IN |
| WELL DIAMETER | 2.0 IN | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| SCREEN LENGTH | 10.0 FT | TIME OF SAMPLE COLLECTION | 1:35 PM |
| TOTAL VOL. PURGED | 0.396 GAL | | |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 13:22 | | 13.86 | 150 | 17.92 | 1.219 | 6.05 | 1.65 | 17.04 | 144.5 | |
| 13:25 | 0.119 | 13.94 | 150 | 17.86 | 1.224 | 6.01 | 1.33 | 10.69 | 129.0 | |
| 13:27 | 0.079 | 14.00 | 150 | 17.83 | 1.226 | 6.00 | 1.15 | 6.77 | 115.9 | |
| 13:29 | 0.079 | 14.03 | 150 | 17.90 | 1.227 | 6.01 | 1.05 | 5.50 | 105.2 | |
| 13:32 | 0.119 | 14.14 | 150 | 18.04 | 1.226 | 6.04 | 1.00 | 3.57 | 96.4 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.396

COMMENTS

Clayish color particles

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas O. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_MW-E04_0912 | | |
| WELL ID | MW-E04 | SAMPLE EVENT | AREA.E_3Q2012 | SAMPLE DATE | 9/13/2012 |
| TIME | START 2:05 PM END 3:10 PM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 8.64 FT | MEASUREMENT POINT ELEVATION | 588.636 FASL |
| WELL DEPTH | 11.5 FT | DEPTH TO NAPL NON DETECT (ND) | ND FT |
| WELL DIAMETER | 2.0 IN | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | 2 IN |
| SCREEN LENGTH | 10.0 FT | NAPL VOL. REMOVED | GAL |
| TOTAL VOL. PURGED | 0.523 GAL | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| | | TIME OF SAMPLE COLLECTION | 2:28 PM |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 14:14 | | 9.20 | 180 | 17.06 | 1.760 | 6.53 | 0.97 | 4.96 | -48.3 | |
| 14:16 | 0.095 | 9.28 | 180 | 17.14 | 1.176 | 6.44 | 0.82 | 8.12 | -43.6 | |
| 14:19 | 0.143 | 9.41 | 180 | 17.37 | 1.693 | 6.39 | 0.73 | 4.89 | -37.5 | |
| 14:21 | 0.095 | 9.51 | 180 | 17.67 | 1.668 | 6.36 | 0.76 | 5.13 | -32.0 | |
| 14:23 | 0.095 | 9.62 | 180 | 17.57 | 1.608 | 6.31 | 0.83 | 5.69 | -30.0 | |
| 14:25 | 0.095 | 9.71 | 180 | 17.64 | 1.563 | 6.37 | 0.83 | 5.39 | -28.8 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.523

COMMENTS

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_MW-E05_0912 | | |
| WELL ID | MW-E05 | SAMPLE EVENT | AREA.E_3Q2012 | SAMPLE DATE | 9/11/2012 |
| TIME | START 10:50 AM END 12:00 PM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 5.78 FT | MEASUREMENT POINT ELEVATION | 586.679 FASL |
| WELL DEPTH | 13.0 FT | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | 2.5 IN |
| WELL DIAMETER | 2.0 IN | | |
| SCREEN LENGTH | 10.0 FT | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| TOTAL VOL. PURGED | 0.423 GAL | TIME OF SAMPLE COLLECTION | 11:35 AM |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 11:21 | | 6.00 | 160 | 18.96 | 1.402 | 6.59 | 7.66 | 23.89 | 37.6 | |
| 11:23 | 0.085 | 6.20 | 160 | 19.08 | 1.399 | 6.50 | 7.43 | 21.70 | 39.1 | |
| 11:25 | 0.085 | 6.20 | 160 | 19.23 | 1.397 | 6.41 | 7.08 | 22.10 | 44.8 | |
| 11:28 | 0.127 | 6.30 | 160 | 19.37 | 1.398 | 6.36 | 6.88 | 17.86 | 49.0 | |
| 11:31 | 0.127 | 6.40 | 160 | 19.46 | 1.402 | 6.35 | 6.00 | 17.86 | 50.8 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED |
|---|---|---|---|---|---|
| STANDARD | [X] VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] VOC |
| STANDARD | [X] SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] SVOC |
| STANDARD | [X] TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] TAL INORGANICS |
| STANDARD | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| DUPLICATE | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| DUPLICATE | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| DUPLICATE | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| MS | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| MS | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| MS | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| MS | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| MSD | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| MSD | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| MSD | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| MSD | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.423

COMMENTS

Clear

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_MW-E06_0912 | | |
| WELL ID | MW-E06 | SAMPLE EVENT | AREA.E_3Q2012 | SAMPLE DATE | 9/11/2012 |
| TIME | START 12:10 PM END 1:20 PM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 5.30 FT | MEASUREMENT POINT ELEVATION | 586.947 FASL |
| WELL DEPTH | 13.0 FT | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | 2.25 IN |
| WELL DIAMETER | 2.0 IN | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| SCREEN LENGTH | 10.0 FT | | |
| TOTAL VOL. PURGED | 1.033 GAL | TIME OF SAMPLE COLLECTION | 12:55 PM |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 12:22 | | 5.90 | 170 | 20.72 | 2.333 | 5.97 | 1.68 | 69.86 | -9.5 | |
| 12:25 | 0.135 | 5.92 | 170 | 20.73 | 2.307 | 5.91 | 1.56 | 69.86 | -7.5 | |
| 12:28 | 0.135 | 5.93 | 170 | 20.85 | 2.221 | 5.88 | 1.22 | 69.86 | -3.9 | |
| 12:31 | 0.135 | 5.95 | 170 | 20.85 | 2.126 | 5.82 | 1.08 | 135.10 | 1.1 | |
| 12:34 | 0.135 | 5.96 | 170 | 20.96 | 2.069 | 5.74 | 1.05 | 147.10 | 11.8 | |
| 12:38 | 0.180 | 5.97 | 170 | 21.13 | 2.040 | 5.72 | 1.02 | 154.10 | 11.7 | |
| 12:41 | 0.135 | 6.00 | 170 | 21.06 | 2.037 | 5.73 | 1.02 | 163.00 | 12.1 | |
| 12:43 | 0.090 | 6.00 | 170 | 21.06 | 2.028 | 5.71 | 1.00 | 164.70 | 11.3 | |
| 12:45 | 0.090 | 6.20 | 170 | 21.14 | 2.018 | 5.70 | 0.97 | 177.40 | 11.9 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 1.033

COMMENTS

Cloudy, High Turbidity

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_MW-E07_0912 | | |
| WELL ID | MW-E07 | SAMPLE EVENT | AREA.E_3Q2012 | SAMPLE DATE | 9/11/2012 |
| TIME | START 1:25 PM END 3:15 PM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 7.40 FT | MEASUREMENT POINT ELEVATION | 587.05 FASL |
| WELL DEPTH | 14.0 FT | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | 2.25 IN |
| WELL DIAMETER | 2.0 IN | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| SCREEN LENGTH | 10.0 FT | TIME OF SAMPLE COLLECTION | 2:10 PM |
| TOTAL VOL. PURGED | 0.856 GAL | | |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 13:42 | | 7.86 | 180 | 21.08 | 1.553 | 6.15 | 1.06 | 10.81 | -48.9 | |
| 13:45 | 0.143 | 7.94 | 180 | 21.10 | 1.552 | 6.09 | 0.91 | 12.47 | -48.3 | |
| 13:47 | 0.095 | 8.03 | 180 | 21.19 | 1.550 | 6.05 | 0.87 | 14.85 | -44.2 | |
| 13:51 | 0.190 | 8.11 | 180 | 21.35 | 1.554 | 6.01 | 0.84 | 20.64 | -37.2 | |
| 13:53 | 0.095 | 8.18 | 180 | 21.34 | 1.488 | 5.93 | 0.82 | 32.49 | -20.1 | |
| 13:55 | 0.095 | 8.29 | 180 | 21.47 | 1.389 | 5.79 | 0.77 | 29.24 | 1.8 | |
| 13:57 | 0.095 | 8.35 | 180 | 21.63 | 1.352 | 5.72 | 0.77 | 21.73 | 5.2 | |
| 14:00 | 0.143 | 8.42 | 180 | 21.61 | 1.330 | 5.70 | 0.79 | 16.68 | 12.0 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.856

COMMENTS

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_MW-E08_0912 | | |
| WELL ID | MW-E08 | SAMPLE EVENT | AREA.E_3Q2012 | SAMPLE DATE | 9/17/2012 |
| TIME | START 1:30 PM END 1:40 PM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 12.45 FT | MEASUREMENT POINT ELEVATION | 585.903 FASL |
| WELL DEPTH | 13.0 FT | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | 2.75 IN |
| WELL DIAMETER | 2.0 IN | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| SCREEN LENGTH | 10.0 FT | TIME OF SAMPLE COLLECTION | |
| TOTAL VOL. PURGED | GAL | | |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED |
|---|---|---|---|---|---|---|
| STANDARD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED:

COMMENTS

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_MW-E09_0912 | | |
| WELL ID | MW-E09 | SAMPLE EVENT | AREA.E_3Q2012 | SAMPLE DATE | 9/17/2012 |
| TIME | START 1:40 PM END 1:50 PM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 12.23 FT | MEASUREMENT POINT ELEVATION | 585.979 FASL |
| WELL DEPTH | 13.0 FT | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | 1.5 IN |
| WELL DIAMETER | 2.0 IN | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| SCREEN LENGTH | 10.0 FT | TIME OF SAMPLE COLLECTION | |
| TOTAL VOL. PURGED | GAL | | |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED |
|---|---|---|---|---|---|
| STANDARD | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| MS | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| MSD | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED:

COMMENTS

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_MW-E10_0912 | | |
| WELL ID | MW-E10 | SAMPLE EVENT | AREA.E_3Q2012 | SAMPLE DATE | 9/17/2012 |
| TIME | START 1:50 PM END 2:00 PM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 13.65 FT | MEASUREMENT POINT | [X] TOP OF WELL RISER; [ ] TOP OF PROTECTIVE CASING; [ ] OTHER |
| WELL DEPTH | 13.5 FT | MEASUREMENT POINT ELEVATION | 586.34 FASL |
| WELL DIAMETER | 2.0 IN | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | 2 IN |
| SCREEN LENGTH | 9.9 FT | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| TOTAL VOL. PURGED | GAL | TIME OF SAMPLE COLLECTION | |

NAPL REMOVAL METHOD: [ ] BAILER; [ ] PERISTALTIC PUMP; [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
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## EQUIPMENT DOCUMENTATION

| TYPE OF PUMP | TYPE OF TUBING | TYPE OF WATER QUALITY METER | TYPE OF WATER LEVEL DEVICE |
|---|---|---|---|
| [ ] WAILER | [X] SILICONE | [X] YSI 556 MPS W/ FLOW CELL | [X] GEOTECH INTERFACE METER |
| [ ] SIMCO BLADDER | [X] HIGH DENSITY POLYETHYLENE | [ ] HORIBA U-50 W/ FLOW CELL | [ ] SOLINST WATER METER |
| [X] GEOPUMP PERISTALTIC PUMP | [ ] OTHER | [ ] OTHER | [ ] OTHER |

## ANALYTICAL PARAMETERS

To Be Collected

| | | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED |
|---|---|---|---|---|---|---|
| STANDARD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

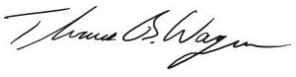
PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED:

COMMENTS

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required



SIGNITURE: _____

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_R-10_0912 | | |
| WELL ID | R-10 | SAMPLE EVENT | AREA.E_3Q2012 | SAMPLE DATE | 9/13/2012 |
| TIME | START 9:05 AM END 10:10 AM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 9.35 FT | MEASUREMENT POINT ELEVATION | 588.784 FASL |
| WELL DEPTH | 18.0 FT | DEPTH TO NAPL NON DETECT (ND) | ND FT |
| WELL DIAMETER | 3.0 IN | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | 1 IN |
| SCREEN LENGTH | Unknown FT | NAPL VOL. REMOVED | GAL |
| TOTAL VOL. PURGED | 0.618 GAL | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| | | TIME OF SAMPLE COLLECTION | 9:30 AM |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 9:20 | | 9.85 | 180 | 17.86 | 0.994 | 7.71 | 2.56 | 14.86 | -163.5 | |
| 9:22 | 0.095 | 9.91 | 180 | 17.75 | 0.948 | 7.69 | 2.23 | 15.19 | -167.5 | |
| 9:25 | 0.143 | 9.96 | 180 | 17.64 | 0.950 | 7.66 | 1.96 | 15.18 | -171.1 | |
| 9:27 | 0.095 | 10.00 | 180 | 17.51 | 0.953 | 7.68 | 1.78 | 15.69 | -171.1 | |
| 9:29 | 0.095 | 10.05 | 180 | 17.37 | 0.957 | 7.65 | 1.63 | 13.52 | -172.6 | |
| 9:31 | 0.095 | 10.10 | 180 | 17.33 | 0.959 | 7.65 | 1.59 | 14.90 | -173.4 | |
| 9:33 | 0.095 | 10.14 | 180 | 17.24 | 0.961 | 7.67 | 1.54 | 14.15 | -174.6 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.618

COMMENTS

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_R-11_0912 | | |
| WELL ID | R-11 | SAMPLE EVENT | AREA.E_3Q2012 | SAMPLE DATE | 9/13/2012 |
| TIME | START 7:40 AM END 9:00 AM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 9.34 FT | MEASUREMENT POINT ELEVATION | 586.356 FASL |
| WELL DEPTH | 17.3 FT | DEPTH TO NAPL NON DETECT (ND) | ND FT |
| WELL DIAMETER | 3.0 IN | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | 2.5 IN |
| SCREEN LENGTH | Unknown FT | NAPL VOL. REMOVED | GAL |
| TOTAL VOL. PURGED | 0.647 GAL | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| | | TIME OF SAMPLE COLLECTION | 8:30 AM |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 8:12 | | 9.40 | 175 | 18.99 | 0.746 | 7.66 | 2.83 | 15.34 | -5.3 | |
| 8:15 | 0.139 | 9.47 | 175 | 19.02 | 0.746 | 7.69 | 2.29 | 13.03 | -21.8 | |
| 8:17 | 0.092 | 9.57 | 175 | 19.03 | 0.746 | 7.71 | 2.02 | 10.83 | -45.9 | |
| 8:20 | 0.139 | 9.66 | 175 | 19.03 | 0.746 | 7.73 | 1.87 | 13.80 | -61.1 | |
| 8:22 | 0.092 | 9.76 | 175 | 19.05 | 0.746 | 7.72 | 1.73 | 13.06 | -59.7 | |
| 8:24 | 0.092 | 9.88 | 175 | 19.08 | 0.747 | 7.73 | 1.60 | 12.29 | -47.9 | |
| 8:26 | 0.092 | 9.98 | 175 | 19.10 | 0.747 | 7.75 | 1.61 | 12.05 | -43.2 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.647

COMMENTS

Clear but small dark flakes

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas O. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_RFI-17_0912 | | |
| WELL ID | RFI-17 | SAMPLE EVENT | AREA.E_3Q2012 | SAMPLE DATE | 9/13/2012 |
| TIME | START 11:00 AM END 11:50 AM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 10.43 FT | MEASUREMENT POINT ELEVATION | 585.815 FASL |
| WELL DEPTH | 12.0 FT | DEPTH TO NAPL NON DETECT (ND) | ND FT |
| WELL DIAMETER | 2.0 IN | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | 2.5 IN |
| SCREEN LENGTH | 5.0 FT | NAPL VOL. REMOVED | GAL |
| TOTAL VOL. PURGED | 0.338 GAL | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| | | TIME OF SAMPLE COLLECTION | 11:30 AM |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 11:19 | | 10.93 | 160 | 16.72 | 1.120 | 6.68 | 2.31 | 6.64 | 150.7 | |
| 11:21 | 0.085 | 11.01 | 160 | 16.64 | 1.119 | 6.51 | 1.98 | 6.15 | 114.4 | |
| 11:23 | 0.085 | 11.09 | 160 | 16.62 | 1.120 | 6.39 | 1.81 | 5.21 | 89.4 | |
| 11:25 | 0.085 | 11.16 | 160 | 16.63 | 1.119 | 6.31 | 1.68 | 5.27 | 72.6 | |
| 11:27 | 0.085 | 11.25 | 160 | 16.76 | 1.118 | 6.27 | 1.67 | 3.38 | 63.4 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.338

COMMENTS

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas O. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_RFI-29_0912 | | |
| WELL ID | RFI-29 | SAMPLE EVENT | AREA.E_3Q2012 | SAMPLE DATE | 9/12/2012 |
| TIME | START 11:00 AM END 11:50 AM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 4.90 FT | MEASUREMENT POINT ELEVATION | 585.691 FASL |
| WELL DEPTH | 14.0 FT | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | 4.38 IN |
| WELL DIAMETER | 2.0 IN | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| SCREEN LENGTH | 5.0 FT | TIME OF SAMPLE COLLECTION | 11:25 AM |
| TOTAL VOL. PURGED | 0.476 GAL | | |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER _____

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 11:12 | | 5.26 | 150 | 22.02 | 1.148 | 7.47 | 1.10 | 0.11 | -161.1 | |
| 11:15 | 0.119 | 5.27 | 150 | 22.07 | 1.146 | 7.43 | 0.95 | 0.82 | -173.2 | |
| 11:18 | 0.119 | 5.28 | 150 | 22.07 | 1.145 | 7.41 | 0.81 | 0.44 | -185.7 | |
| 11:21 | 0.119 | 5.30 | 150 | 22.05 | 1.144 | 7.40 | 0.72 | 1.13 | -189.4 | |
| 11:24 | 0.119 | 5.31 | 150 | 21.92 | 1.142 | 7.39 | 0.64 | 0.56 | -186.7 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.476

COMMENTS

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas O. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_RFI-32_0912 | | |
| WELL ID | RFI-32 | SAMPLE EVENT | AREA.E_3Q2012 | SAMPLE DATE | 9/12/2012 |
| TIME | START 11:50 AM END 12:45 PM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 7.85 FT | MEASUREMENT POINT ELEVATION | 586.621 FASL |
| WELL DEPTH | 13.0 FT | DEPTH TO NAPL NON DETECT (ND) | ND FT |
| WELL DIAMETER | 2.0 IN | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | 2 IN |
| SCREEN LENGTH | 5.0 FT | NAPL VOL. REMOVED | GAL |
| TOTAL VOL. PURGED | 0.423 GAL | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| | | TIME OF SAMPLE COLLECTION | 12:20 PM |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 12:06 | | 9.50 | 160 | 17.87 | 2.143 | 6.26 | 1.32 | 2.34 | 40.0 | |
| 12:08 | 0.085 | 9.80 | 160 | 17.80 | 2.132 | 6.26 | 1.19 | 2.56 | 32.9 | |
| 12:11 | 0.127 | 10.10 | 160 | 17.81 | 2.122 | 6.20 | 1.19 | 2.11 | 28.1 | |
| 12:14 | 0.127 | 10.43 | 160 | 17.76 | 2.108 | 6.17 | 0.93 | 2.00 | 25.5 | |
| 12:16 | 0.085 | 10.60 | 160 | 18.82 | 2.088 | 6.17 | 0.79 | 1.54 | 22.9 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.423

COMMENTS

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_RFI-33_0912 | | |
| WELL ID | RFI-33 | SAMPLE EVENT | AREA.E_3Q2012 | SAMPLE DATE | 9/13/2012 |
| TIME | START 12:00 PM END 1:00 PM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 3.72 FT | MEASUREMENT POINT ELEVATION | 583.17 FASL |
| WELL DEPTH | 12.0 FT | DEPTH TO NAPL NON DETECT (ND) | ND FT |
| WELL DIAMETER | 2.0 IN | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | Ground level IN |
| SCREEN LENGTH | 5.0 FT | NAPL VOL. REMOVED | GAL |
| TOTAL VOL. PURGED | 0.507 GAL | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| | | TIME OF SAMPLE COLLECTION | 12:30 PM |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 12:15 | | 4.36 | 160 | 21.36 | 2.354 | 6.65 | 2.14 | 9.46 | -60.8 | Clayish color particles |
| 12:17 | 0.085 | 4.75 | 160 | 21.37 | 2.193 | 6.62 | 2.05 | 13.47 | -58.6 | |
| 12:19 | 0.085 | 5.00 | 160 | 21.39 | 2.026 | 6.64 | 1.82 | 17.22 | -59.9 | |
| 12:21 | 0.085 | 5.11 | 160 | 21.40 | 1.896 | 6.67 | 1.68 | 17.74 | -60.9 | |
| 12:23 | 0.085 | 5.29 | 160 | 21.50 | 1.390 | 6.78 | 2.05 | 23.14 | -58.3 | |
| 12:25 | 0.085 | 5.47 | 160 | 21.53 | 1.198 | 6.79 | 2.43 | 29.55 | -51.6 | |
| 12:27 | 0.085 | 5.62 | 160 | 21.54 | 1.141 | 6.78 | 2.60 | 28.27 | -40.7 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.507

COMMENTS

Clayish color particles

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_RFI-51_0912 | | |
| WELL ID | RFI-51 | SAMPLE EVENT | AREA.E_3Q2012 | SAMPLE DATE | 9/11/2012 |
| TIME | START 3:20 PM END 4:15 PM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 5.63 FT | MEASUREMENT POINT ELEVATION | 586.956 FASL |
| WELL DEPTH | 14.0 FT | DEPTH TO NAPL NON DETECT (ND) | ND FT |
| WELL DIAMETER | 2.0 IN | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | 2 IN |
| SCREEN LENGTH | 5.0 FT | NAPL VOL. REMOVED | GAL |
| TOTAL VOL. PURGED | 0.338 GAL | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| | | TIME OF SAMPLE COLLECTION | 3:48 PM |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 15:40 | | 7.40 | 160 | 19.62 | 3.956 | 6.51 | 0.56 | 30.25 | -43.4 | |
| 15:42 | 0.085 | 7.30 | 160 | 19.55 | 3.963 | 6.49 | 0.52 | 27.36 | -47.6 | |
| 15:44 | 0.085 | 7.40 | 160 | 19.49 | 3.971 | 6.48 | 0.49 | 26.79 | -51.9 | |
| 15:46 | 0.085 | 7.45 | 160 | 19.45 | 3.982 | 6.47 | 0.50 | 28.69 | -57.6 | |
| 15:48 | 0.085 | 7.55 | 160 | 19.40 | 3.993 | 6.48 | 0.50 | 28.12 | -59.1 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

To Be Collected

| | | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.338

COMMENTS

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas O. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_RFI-PZ-16_0912 | | |
| WELL ID | RFI-PZ-16 | SAMPLE EVENT | AREA.E_3Q2012 | SAMPLE DATE | 9/12/2012 |
| TIME | START 8:35 AM END 9:30 AM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 14.40 FT | MEASUREMENT POINT ELEVATION | 587.05 FASL |
| WELL DEPTH | No Record FT | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | 1 above IN |
| WELL DIAMETER | 2.0 IN | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| SCREEN LENGTH | Unknown FT | TIME OF SAMPLE COLLECTION | 9:05 AM |
| TOTAL VOL. PURGED | 0.509 GAL | | |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 8:52 | | 14.05 | 175 | 21.03 | 1.297 | 6.59 | 0.99 | 4.27 | 111.3 | |
| 8:55 | 0.139 | 14.05 | 175 | 21.01 | 1.301 | 6.61 | 0.93 | 7.52 | 88.5 | |
| 8:57 | 0.092 | 14.06 | 175 | 21.07 | 1.302 | 6.62 | 0.91 | 5.86 | 78.2 | |
| 9:00 | 0.139 | 14.06 | 175 | 21.10 | 1.302 | 6.67 | 0.94 | 6.74 | 70.0 | |
| 9:03 | 0.139 | 14.06 | 175 | 21.12 | 1.303 | 6.61 | 0.89 | 7.99 | 64.7 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.509

COMMENTS

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_RFI-PZ-17_0912 | | |
| WELL ID | RFI-PZ-17 | SAMPLE EVENT | AREA.E_3Q2012 | SAMPLE DATE | 9/17/2012 |
| TIME | START 1:00 PM END 1:10 PM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 13.43 FT | MEASUREMENT POINT ELEVATION | 586.123 FASL |
| WELL DEPTH | Unknown FT | DEPTH TO NAPL NON DETECT (ND) | ND FT |
| WELL DIAMETER | 2.0 IN | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | 2.5 IN |
| SCREEN LENGTH | Unknown FT | NAPL VOL. REMOVED | GAL |
| TOTAL VOL. PURGED | GAL | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| | | TIME OF SAMPLE COLLECTION | |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED |
|---|---|---|---|---|---|
| STANDARD | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| MS | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| MSD | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES [X] NO [ ]

NUMBER OF GALLONS GENERATED

COMMENTS

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_ICM-PZ-02S_1212 | | |
| WELL ID | ICM-PZ-02S | SAMPLE EVENT | AREA.E_4Q2012 | SAMPLE DATE | 12/11/2012 |
| TIME | START 12:05 PM END 12:20 PM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 10.93 FT | MEASUREMENT POINT | [X] TOP OF WELL RISER; [ ] TOP OF PROTECTIVE CASING; [ ] OTHER |
| WELL DEPTH | 20.0 FT | MEASUREMENT POINT ELEVATION | 585.858 FASL |
| WELL DIAMETER | 2.0 IN | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | 3.5 IN |
| SCREEN LENGTH | 10.0 FT | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| TOTAL VOL. PURGED | GAL | TIME OF SAMPLE COLLECTION | |

NAPL REMOVAL METHOD: [ ] BAILER; [ ] PERISTALTIC PUMP; [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
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## EQUIPMENT DOCUMENTATION

| TYPE OF PUMP | TYPE OF TUBING | TYPE OF WATER QUALITY METER | TYPE OF WATER LEVEL DEVICE |
|---|---|---|---|
| [ ] WAILER | [X] SILICONE | [X] YSI 556 MPS W/ FLOW CELL | [X] GEOTECH INTERFACE METER |
| [ ] SIMCO BLADDER | [X] HIGH DENSITY POLYETHYLENE | [ ] HORIBA U-50 W/ FLOW CELL | [ ] SOLINST WATER METER |
| [X] GEOPUMP PERISTALTIC PUMP | [ ] OTHER | [ ] OTHER | [ ] OTHER |

## ANALYTICAL PARAMETERS

To Be Collected

| | | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED:

COMMENTS

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_ICM-PZ-03S_1212 | | |
| WELL ID | ICM-PZ-03S | SAMPLE EVENT | AREA.E_4Q2012 | SAMPLE DATE | 12/11/2012 |
| TIME | START 12:25 PM END 12:40 PM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | | | |
|---|---|---|---|---|---|
| STATIC DEPTH TO WATER | 11.24 FT | MEASUREMENT POINT | [X] TOP OF WELL RISER<br>[ ] TOP OF PROTECTIVE CASING<br>[ ] OTHER | NAPL REMOVAL METHOD | [ ] BAILER<br>[ ] PERISTALTIC PUMP<br>[X] ABSORBENT SOCK |
| WELL DEPTH | 20.0 FT | MEASUREMENT POINT ELEVATION | 585.938 FASL | DEPTH TO NAPL NON DETECT (ND) | 11.18 FT |
| WELL DIAMETER | 2.0 IN | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | 2.75 IN | NAPL VOL. REMOVED | 0.19 GAL |
| SCREEN LENGTH | 10.0 FT | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] | | |
| TOTAL VOL. PURGED | GAL | TIME OF SAMPLE COLLECTION | | | |

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
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## EQUIPMENT DOCUMENTATION

| TYPE OF PUMP | TYPE OF TUBING | TYPE OF WATER QUALITY METER | TYPE OF WATER LEVEL DEVICE |
|---|---|---|---|
| [ ] WAILER | [X] SILICONE | [X] YSI 556 MPS W/ FLOW CELL | [X] GEOTECH INTERFACE METER |
| [ ] SIMCO BLADDER | [X] HIGH DENSITY POLYETHYLENE | [ ] HORIBA U-50 W/ FLOW CELL | [ ] SOLINST WATER METER |
| [X] GEOPUMP PERISTALTIC PUMP | [ ] OTHER | [ ] OTHER | [ ] OTHER |

## ANALYTICAL PARAMETERS

| | To Be Collected | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED |
|---|---|---|---|---|---|
| STANDARD | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| MS | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| MSD | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES [X] NO [ ]

NUMBER OF GALLONS GENERATED

COMMENTS

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_MW-E03_1112 | | |
| WELL ID | MW-E03 | SAMPLE EVENT | AREA.E_4Q2012 | SAMPLE DATE | 11/29/2012 |
| TIME | START 9:40 AM END 10:45 AM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 9.72 FT | MEASUREMENT POINT ELEVATION | 588.457 FASL |
| WELL DEPTH | 13.0 FT | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | 0.75 IN |
| WELL DIAMETER | 2.0 IN | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| SCREEN LENGTH | 10.0 FT | TIME OF SAMPLE COLLECTION | 10:10 AM |
| TOTAL VOL. PURGED | 0.369 GAL | | |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 9:55 | | 10.17 | 155 | 12.13 | 1.185 | 6.69 | 6.09 | 20.00 | 59.2 | Clear but clayish color particles |
| 9:57 | 0.082 | 10.24 | 155 | 12.18 | 1.181 | 6.69 | 5.99 | 25.00 | 62.0 | |
| 9:59 | 0.082 | 10.32 | 155 | 12.28 | 1.179 | 6.65 | 5.85 | 26.00 | 64.1 | |
| 10:01 | 0.082 | 10.38 | 155 | 12.34 | 1.178 | 6.65 | 5.73 | 26.00 | 65.9 | |
| 10:04 | 0.123 | 10.43 | 155 | 12.40 | 1.178 | 6.64 | 5.64 | 25.00 | 67.8 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED |
|---|---|---|---|---|---|
| STANDARD | [X] VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] VOC |
| | [X] SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] SVOC |
| | [X] TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| MS | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| MSD | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.369

COMMENTS

Clear but clayish color particles

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | |
|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_MW-E04_1112 |
| WELL ID | MW-E04 | SAMPLE EVENT | AREA.E_4Q2012 |
| TIME | START 1:50 PM END 2:40 PM | JOB NUMBER | 0913OMM |
| SAMPLE DATE | 11/29/2012 | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 6.02 FT | MEASUREMENT POINT | [X] TOP OF WELL RISER; [ ] TOP OF PROTECTIVE CASING; [ ] OTHER |
| WELL DEPTH | 11.5 FT | MEASUREMENT POINT ELEVATION | 588.636 FASL |
| WELL DIAMETER | 2.0 IN | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | 2.25 IN |
| SCREEN LENGTH | 10.0 FT | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| TOTAL VOL. PURGED | 0.634 GAL | TIME OF SAMPLE COLLECTION | 2:00 PM |

NAPL REMOVAL METHOD: [ ] BAILER; [ ] PERISTALTIC PUMP; [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 13:55 | | 6.19 | 160 | 11.20 | 0.964 | 6.89 | 1.92 | 6.00 | 42.5 | |
| 13:57 | 0.085 | 6.23 | 160 | 11.19 | 0.977 | 6.86 | 1.13 | 4.00 | 45.9 | |
| 13:59 | 0.085 | 6.29 | 160 | 11.18 | 0.986 | 6.83 | 0.91 | 4.00 | 48.6 | |
| 14:04 | 0.211 | 6.32 | 160 | 11.20 | 0.991 | 6.81 | 0.74 | 4.00 | 50.5 | |
| 14:07 | 0.127 | 6.39 | 160 | 11.21 | 0.996 | 6.80 | 0.69 | 4.00 | 52.2 | |
| 14:10 | 0.127 | 6.41 | 160 | 11.21 | 1.002 | 6.78 | 0.67 | 3.00 | 54.1 | |
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## EQUIPMENT DOCUMENTATION

| TYPE OF PUMP | TYPE OF TUBING | TYPE OF WATER QUALITY METER | TYPE OF WATER LEVEL DEVICE |
|---|---|---|---|
| [ ] WAILER | [X] SILICONE | [X] YSI 556 MPS W/ FLOW CELL | [X] GEOTECH INTERFACE METER |
| [ ] SIMCO BLADDER | [X] HIGH DENSITY POLYETHYLENE | [ ] HORIBA U-50 W/ FLOW CELL | [ ] SOLINST WATER METER |
| [X] GEOPUMP PERISTALTIC PUMP | [ ] OTHER | [ ] OTHER | [ ] OTHER |

## ANALYTICAL PARAMETERS

To Be Collected

| | | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.634

COMMENTS

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_MW-E05_1112 | | |
| WELL ID | MW-E05 | SAMPLE EVENT | AREA.E_4Q2012 | SAMPLE DATE | 11/28/2012 |
| TIME | START 8:45 AM END 9:45 AM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 5.40 FT | MEASUREMENT POINT | [X] TOP OF WELL RISER; [ ] TOP OF PROTECTIVE CASING; [ ] OTHER |
| WELL DEPTH | 13.0 FT | MEASUREMENT POINT ELEVATION | 586.679 FASL |
| WELL DIAMETER | 2.0 IN | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | 2.75 IN |
| SCREEN LENGTH | 10.0 FT | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| TOTAL VOL. PURGED | 0.328 GAL | TIME OF SAMPLE COLLECTION | 9:00 AM |

NAPL REMOVAL METHOD: [ ] BAILER; [ ] PERISTALTIC PUMP; [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 9:00 | | 5.65 | 155 | 10.59 | 1.202 | 6.38 | 1.73 | 19.00 | 143.7 | |
| 9:02 | 0.082 | 5.66 | 155 | 10.81 | 1.207 | 6.36 | 1.73 | 16.00 | 139.3 | |
| 9:04 | 0.082 | 5.61 | 155 | 10.76 | 1.216 | 6.37 | 1.25 | 16.00 | 136.3 | |
| 9:06 | 0.082 | 5.68 | 155 | 10.84 | 1.218 | 6.38 | 0.96 | 16.00 | 135.6 | |
| 9:08 | 0.082 | 5.67 | 155 | 10.90 | 1.217 | 6.39 | 0.97 | 13.00 | 134.4 | |
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## EQUIPMENT DOCUMENTATION

| TYPE OF PUMP | TYPE OF TUBING | TYPE OF WATER QUALITY METER | TYPE OF WATER LEVEL DEVICE |
|---|---|---|---|
| [ ] WAILER | [X] SILICONE | [X] YSI 556 MPS W/ FLOW CELL | [X] GEOTECH INTERFACE METER |
| [ ] SIMCO BLADDER | [X] HIGH DENSITY POLYETHYLENE | [ ] HORIBA U-50 W/ FLOW CELL | [ ] SOLINST WATER METER |
| [X] GEOPUMP PERISTALTIC PUMP | [ ] OTHER | [ ] OTHER | [ ] OTHER |

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.328

COMMENTS

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_MW-E06_1112 | | |
| WELL ID | MW-E06 | SAMPLE EVENT | AREA.E_4Q2012 | SAMPLE DATE | 11/28/2012 |
| TIME | START 1:25 PM END 2:35 PM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 4.61 FT | MEASUREMENT POINT ELEVATION | 586.947 FASL |
| WELL DEPTH | 13.0 FT | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | 2.5 IN |
| WELL DIAMETER | 2.0 IN | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| SCREEN LENGTH | 10.0 FT | TIME OF SAMPLE COLLECTION | 1:45 PM |
| TOTAL VOL. PURGED | 0.549 GAL | | |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 13:46 | | 5.28 | 160 | 10.80 | 2.060 | 5.92 | 1.46 | 186.00 | 38.0 | Cloudy, high turbidity |
| 13:48 | 0.085 | 5.29 | 160 | 10.86 | 2.076 | 5.91 | 0.95 | 172.00 | 33.1 | |
| 13:50 | 0.085 | 5.29 | 160 | 10.92 | 2.082 | 5.91 | 0.84 | 156.00 | 31.1 | |
| 13:52 | 0.085 | 5.31 | 160 | 11.02 | 2.085 | 5.91 | 0.81 | 152.00 | 29.9 | |
| 13:54 | 0.085 | 5.31 | 160 | 11.11 | 2.088 | 5.91 | 0.82 | 146.00 | 29.2 | |
| 13:56 | 0.085 | 5.32 | 160 | 11.20 | 2.090 | 5.91 | 0.85 | 142.00 | 27.9 | |
| 13:59 | 0.127 | 5.33 | 160 | 11.26 | 2.093 | 5.91 | 0.77 | 146.00 | 25.9 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| STANDARD | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| STANDARD | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| STANDARD | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| DUPLICATE | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| DUPLICATE | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| DUPLICATE | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| MS | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| MS | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| MS | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| MSD | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| MSD | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| MSD | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.549

COMMENTS

Cloudy, high turbidity

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_MW-E07_1112 | | |
| WELL ID | MW-E07 | SAMPLE EVENT | AREA.E_4Q2012 | SAMPLE DATE | 11/27/2012 |
| TIME | START 12:35 PM END 2:50 PM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 4.05 FT | MEASUREMENT POINT ELEVATION | 587.05 FASL |
| WELL DEPTH | 14.0 FT | DEPTH TO NAPL NON DETECT (ND) | ND FT |
| WELL DIAMETER | 2.0 IN | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | 2.75 IN |
| SCREEN LENGTH | 10.0 FT | NAPL VOL. REMOVED | GAL |
| TOTAL VOL. PURGED | -1.685 GAL | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| | | TIME OF SAMPLE COLLECTION | 1:25 PM |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 13:05 | | 4.50 | 145 | 11.18 | 1.506 | 5.14 | 1.68 | 55.00 | 84.2 | Dirty, clayish color |
| 13:08 | 0.115 | 4.50 | 145 | 11.16 | 1.450 | 5.16 | 1.84 | 50.00 | 77.2 | |
| 13:10 | 0.077 | 4.50 | 145 | 11.04 | 1.388 | 5.20 | 1.46 | 43.00 | 71.5 | |
| 13:12 | 0.077 | 4.50 | 145 | 11.13 | 1.344 | 5.21 | 1.10 | 47.00 | 68.9 | |
| 13:15 | 0.115 | 4.50 | 145 | 11.05 | 1.332 | 5.21 | 1.07 | 34.00 | 67.6 | |
| 13:17 | 0.077 | 4.50 | 145 | 11.03 | 1.324 | 5.22 | 0.97 | 35.00 | 65.2 | |
| 13:19 | 0.077 | 4.50 | 145 | 11.04 | 1.317 | 5.22 | 0.89 | 32.00 | 63.6 | |
| 12:21 | -2.222 | 4.50 | 145 | 11.08 | 1.311 | 5.21 | 0.77 | 31.00 | 62.9 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED |
|---|---|---|---|---|---|
| STANDARD | [X] VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] VOC |
| | [X] SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] SVOC |
| | [X] TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| DUPLICATE | [X] VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] VOC |
| | [X] SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] SVOC |
| | [X] TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| MS | [X] VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] VOC |
| | [X] SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] SVOC |
| | [X] TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| MSD | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES [X] NO [ ]

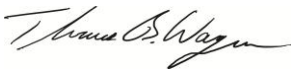
NUMBER OF GALLONS GENERATED: -1.685

COMMENTS

Dirty, clayish color

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required



SIGNITURE: _____

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_MW-E08_1212 | | |
| WELL ID | MW-E08 | SAMPLE EVENT | AREA.E_4Q2012 | SAMPLE DATE | 12/11/2012 |
| TIME | START 12:45 PM END 1:00 PM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 5.35 FT | MEASUREMENT POINT ELEVATION | 585.903 FASL |
| WELL DEPTH | 13.0 FT | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | 2.75 IN |
| WELL DIAMETER | 2.0 IN | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| SCREEN LENGTH | 10.0 FT | TIME OF SAMPLE COLLECTION | |
| TOTAL VOL. PURGED | GAL | | |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED |
|---|---|---|---|---|---|
| STANDARD | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| MS | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| MSD | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED:

COMMENTS

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_MW-E09_1212 | | |
| WELL ID | MW-E09 | SAMPLE EVENT | AREA.E_4Q2012 | SAMPLE DATE | 12/11/2012 |
| TIME | START 1:05 PM END 1:20 PM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 5.80 FT | MEASUREMENT POINT ELEVATION | 585.979 FASL |
| WELL DEPTH | 13.0 FT | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | 1.5 IN |
| WELL DIAMETER | 2.0 IN | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| SCREEN LENGTH | 10.0 FT | TIME OF SAMPLE COLLECTION | |
| TOTAL VOL. PURGED | GAL | | |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED |
|---|---|---|---|---|---|---|
| STANDARD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED:

COMMENTS

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_MW-E10_1212 | | |
| WELL ID | MW-E10 | SAMPLE EVENT | AREA.E_4Q2012 | SAMPLE DATE | 12/11/2012 |
| TIME | START 1:25 PM END 1:40 PM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 7.96 FT | MEASUREMENT POINT ELEVATION | 586.34 FASL |
| WELL DEPTH | 13.5 FT | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | 2 IN |
| WELL DIAMETER | 2.0 IN | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| SCREEN LENGTH | 9.9 FT | TIME OF SAMPLE COLLECTION | |
| TOTAL VOL. PURGED | GAL | | |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED |
|---|---|---|---|---|---|---|
| STANDARD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

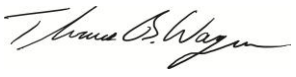
PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED:

COMMENTS

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required



SIGNITURE: _____

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_R-10_1112 | | |
| WELL ID | R-10 | SAMPLE EVENT | AREA.E_4Q2012 | SAMPLE DATE | 11/29/2012 |
| TIME | START 12:45 PM END 1:45 PM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 7.67 FT | MEASUREMENT POINT ELEVATION | 588.784 FASL |
| WELL DEPTH | 18.0 FT | DEPTH TO NAPL NON DETECT (ND) | ND FT |
| WELL DIAMETER | 3.0 IN | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | 1 IN |
| SCREEN LENGTH | Unknown FT | NAPL VOL. REMOVED | GAL |
| TOTAL VOL. PURGED | 0.753 GAL | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| | | TIME OF SAMPLE COLLECTION | 1:20 PM |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 12:55 | | 8.35 | 150 | 11.75 | 1.326 | 7.92 | 2.45 | 85.00 | 51.3 | Cloudy, dark particles |
| 12:57 | 0.079 | 8.37 | 150 | 11.69 | 1.339 | 7.95 | 1.37 | 73.00 | 48.4 | |
| 12:59 | 0.079 | 8.41 | 150 | 11.67 | 1.346 | 7.98 | 0.97 | 75.00 | 44.8 | |
| 13:01 | 0.079 | 8.45 | 150 | 11.70 | 1.349 | 7.99 | 0.79 | 67.00 | 39.0 | |
| 13:03 | 0.079 | 8.48 | 150 | 11.77 | 1.351 | 8.02 | 0.70 | 67.00 | 32.9 | |
| 13:05 | 0.079 | 8.50 | 150 | 11.82 | 1.355 | 8.03 | 0.66 | 66.00 | 28.4 | |
| 13:07 | 0.079 | 8.52 | 150 | 11.87 | 1.357 | 8.04 | 0.60 | 60.00 | 24.8 | |
| 13:10 | 0.119 | 8.55 | 150 | 11.92 | 1.359 | 8.05 | 0.54 | 61.00 | 21.5 | |
| 13:12 | 0.079 | 8.57 | 150 | 11.93 | 1.362 | 8.06 | 0.50 | 55.00 | 18.7 | |
| 13:14 | 0.079 | 8.59 | 150 | 11.04 | 1.365 | 8.07 | 0.49 | 63.00 | 16.2 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.753

COMMENTS

Cloudy, dark particles

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_R-11_1112 | | |
| WELL ID | R-11 | SAMPLE EVENT | AREA.E_4Q2012 | SAMPLE DATE | 11/29/2012 |
| TIME | START 11:25 AM END 12:35 PM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 6.63 FT | MEASUREMENT POINT ELEVATION | 586.356 FASL |
| WELL DEPTH | 17.3 FT | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | 2.5 IN |
| WELL DIAMETER | 3.0 IN | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| SCREEN LENGTH | Unknown FT | TIME OF SAMPLE COLLECTION | 12:00 PM |
| TOTAL VOL. PURGED | 0.803 GAL | | |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 11:35 | | 7.94 | 160 | 12.46 | 0.660 | 7.85 | 1.22 | 130.00 | 61.6 | Cloudy, dark particles, high turbidity |
| 11:38 | 0.127 | 8.03 | 160 | 12.44 | 0.663 | 7.89 | 1.06 | 113.00 | 59.3 | |
| 11:41 | 0.127 | 8.10 | 160 | 12.50 | 0.666 | 7.92 | 0.83 | 116.00 | 57.2 | |
| 11:44 | 0.127 | 8.19 | 160 | 12.64 | 0.666 | 7.94 | 0.75 | 109.00 | 54.5 | |
| 11:47 | 0.127 | 8.28 | 160 | 12.85 | 0.666 | 7.97 | 0.77 | 108.00 | 51.8 | |
| 11:49 | 0.085 | 8.37 | 160 | 12.85 | 0.667 | 7.99 | 0.70 | 109.00 | 48.6 | |
| 11:51 | 0.085 | 8.45 | 160 | 12.72 | 0.672 | 7.99 | 0.66 | 99.00 | 46.9 | |
| 11:54 | 0.127 | 8.54 | 160 | 12.77 | 0.673 | 7.99 | 0.75 | 94.00 | 45.6 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.803

COMMENTS

Cloudy, dark particles, high turbidity

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_RFI-17_1112 | | |
| WELL ID | RFI-17 | SAMPLE EVENT | AREA.E_4Q2012 | SAMPLE DATE | 11/30/2012 |
| TIME | START 7:45 AM END 8:40 AM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 6.32 FT | MEASUREMENT POINT | [X] TOP OF WELL RISER; [ ] TOP OF PROTECTIVE CASING; [ ] OTHER |
| WELL DEPTH | 12.0 FT | MEASUREMENT POINT ELEVATION | 585.815 FASL |
| WELL DIAMETER | 2.0 IN | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | 2.5 IN |
| SCREEN LENGTH | 5.0 FT | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| TOTAL VOL. PURGED | 0.676 GAL | TIME OF SAMPLE COLLECTION | 8:05 AM |

NAPL REMOVAL METHOD: [ ] BAILER; [ ] PERISTALTIC PUMP; [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 7:49 | | 7.20 | 160 | 10.24 | 1.133 | 6.98 | 4.88 | 3.00 | 120.0 | |
| 8:01 | 0.507 | 7.24 | 160 | 10.40 | 1.140 | 6.98 | 4.84 | 3.00 | 118.8 | |
| 8:03 | 0.085 | 7.39 | 160 | 10.56 | 1.141 | 6.99 | 4.68 | 4.00 | 117.5 | |
| 8:05 | 0.085 | 7.55 | 160 | 10.72 | 1.141 | 6.99 | 4.48 | 3.00 | 117.0 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.676

COMMENTS

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_RFI-29_1112 | | |
| WELL ID | RFI-29 | SAMPLE EVENT | AREA.E_4Q2012 | SAMPLE DATE | 11/28/2012 |
| TIME | START 2:45 PM END 3:30 PM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 5.77 FT | MEASUREMENT POINT ELEVATION | 585.691 FASL |
| WELL DEPTH | 14.0 FT | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | 4.25 IN |
| WELL DIAMETER | 2.0 IN | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| SCREEN LENGTH | 5.0 FT | TIME OF SAMPLE COLLECTION | 3:00 PM |
| TOTAL VOL. PURGED | 0.296 GAL | | |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 14:45 | | 6.30 | 160 | 10.38 | 1.341 | 7.42 | 1.26 | 2.00 | -52.8 | |
| 14:47 | 0.085 | 6.30 | 160 | 10.47 | 1.348 | 7.46 | 1.01 | 2.00 | -57.8 | |
| 14:49 | 0.085 | 6.30 | 160 | 10.48 | 1.355 | 7.49 | 0.95 | 2.00 | -61.1 | |
| 14:52 | 0.127 | 6.40 | 160 | 10.48 | 1.359 | 7.51 | 0.82 | 2.00 | -62.8 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.296

COMMENTS

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_RFI-32_1112 | | |
| WELL ID | RFI-32 | SAMPLE EVENT | AREA.E_4Q2012 | SAMPLE DATE | 11/29/2012 |
| TIME | START 8:30 AM END 9:30 AM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 6.20 FT | MEASUREMENT POINT ELEVATION | 586.621 FASL |
| WELL DEPTH | 13.0 FT | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | 2 IN |
| WELL DIAMETER | 2.0 IN | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| SCREEN LENGTH | 5.0 FT | TIME OF SAMPLE COLLECTION | 8:50 AM |
| TOTAL VOL. PURGED | 0.449 GAL | | |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 8:50 | | 8.00 | 170 | 11.60 | 2.127 | 6.58 | 1.70 | 2.00 | 38.2 | |
| 8:52 | 0.090 | 8.33 | 170 | 11.73 | 2.110 | 6.59 | 1.11 | 2.00 | 33.0 | |
| 8:54 | 0.090 | 8.57 | 170 | 11.89 | 2.094 | 6.62 | 0.96 | 2.00 | 27.8 | |
| 8:57 | 0.135 | 8.81 | 170 | 12.02 | 2.078 | 6.64 | 0.82 | 2.00 | 24.0 | |
| 9:00 | 0.135 | 9.30 | 170 | 12.08 | 2.066 | 6.65 | 0.82 | 2.00 | 21.4 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.449

COMMENTS

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas O. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_RFI-33_1112 | | |
| WELL ID | RFI-33 | SAMPLE EVENT | AREA.E_4Q2012 | SAMPLE DATE | 11/30/2012 |
| TIME | START 8:50 AM END 9:30 AM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 1.58 FT | MEASUREMENT POINT ELEVATION | 583.17 FASL |
| WELL DEPTH | 12.0 FT | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | Ground level IN |
| WELL DIAMETER | 2.0 IN | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| SCREEN LENGTH | 5.0 FT | TIME OF SAMPLE COLLECTION | 9:00 AM |
| TOTAL VOL. PURGED | 0.238 GAL | | |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 8:55 | | 3.35 | 150 | 9.93 | 1.906 | 7.07 | 1.69 | 13.00 | 117.1 | |
| 8:57 | 0.079 | 3.60 | 150 | 10.07 | 1.908 | 7.06 | 1.47 | 13.00 | 116.5 | |
| 8:59 | 0.079 | 3.86 | 150 | 10.14 | 1.910 | 7.06 | 1.46 | 15.00 | 115.9 | |
| 9:01 | 0.079 | 4.19 | 150 | 10.24 | 1.913 | 7.06 | 1.35 | 13.00 | 115.5 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.238

COMMENTS

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_RFI-51_1112 | | |
| WELL ID | RFI-51 | SAMPLE EVENT | AREA.E_4Q2012 | SAMPLE DATE | 11/28/2012 |
| TIME | START 9:50 AM END 11:50 AM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 5.13 FT | MEASUREMENT POINT ELEVATION | 586.956 FASL |
| WELL DEPTH | 14.0 FT | DEPTH TO NAPL NON DETECT (ND) | ND FT |
| WELL DIAMETER | 2.0 IN | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | 2 IN |
| SCREEN LENGTH | 5.0 FT | NAPL VOL. REMOVED | GAL |
| TOTAL VOL. PURGED | 0.853 GAL | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| | | TIME OF SAMPLE COLLECTION | 10:30 AM |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 10:07 | | 6.26 | 170 | 10.24 | 2.929 | 6.75 | 1.02 | 182.00 | 11.8 | Dirty, clayish color, high turbidity |
| 10:09 | 0.090 | 6.28 | 170 | 10.35 | 2.945 | 6.77 | 0.94 | 181.00 | 2.8 | |
| 10:11 | 0.090 | 6.29 | 170 | 10.53 | 2.955 | 6.78 | 0.93 | 183.00 | -4.0 | |
| 10:13 | 0.090 | 6.29 | 170 | 10.78 | 2.990 | 6.79 | 0.84 | 173.00 | -10.4 | |
| 10:15 | 0.090 | 6.33 | 170 | 10.75 | 3.004 | 6.79 | 0.85 | 167.00 | -14.5 | |
| 10:19 | 0.180 | 6.36 | 170 | 10.93 | 3.036 | 6.80 | 0.87 | 168.00 | -18.4 | |
| 10:21 | 0.090 | 6.38 | 170 | 11.04 | 3.053 | 6.80 | 0.95 | 165.00 | -22.6 | |
| 10:23 | 0.090 | 6.39 | 170 | 11.10 | 3.066 | 6.82 | 0.69 | 169.00 | -30.4 | |
| 10:26 | 0.135 | 6.41 | 170 | 11.13 | 3.077 | 6.82 | 0.78 | 165.00 | -34.1 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED | |
|---|---|---|---|---|---|---|---|
| STANDARD | [X] | VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] | VOC |
| | [X] | SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] | SVOC |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS |
| | [X] | TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] | TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MS | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |
| MSD | [ ] | VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] | VOC |
| | [ ] | SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] | SVOC |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS |
| | [ ] | TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] | TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.853

COMMENTS

Cloudy, clayish color flakes, high turbidity

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_RFI-PZ-16_1112 | | |
| WELL ID | RFI-PZ-16 | SAMPLE EVENT | AREA.E_4Q2012 | SAMPLE DATE | 11/28/2012 |
| TIME | START 12:05 PM END 1:15 PM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 11.67 FT | MEASUREMENT POINT ELEVATION | 587.05 FASL |
| WELL DEPTH | No Record FT | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | 0.75 IN |
| WELL DIAMETER | 2.0 IN | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| SCREEN LENGTH | Unknown FT | TIME OF SAMPLE COLLECTION | 12:25 PM |
| TOTAL VOL. PURGED | 0.465 GAL | | |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 12:15 | | 11.67 | 160 | 11.91 | 1.488 | 6.18 | 1.56 | 24.00 | 72.2 | Clayish color particles |
| 12:18 | 0.127 | 11.67 | 160 | 12.02 | 1.510 | 6.29 | 1.53 | 26.00 | 66.6 | |
| 12:20 | 0.085 | 11.67 | 160 | 12.40 | 1.519 | 6.39 | 1.37 | 28.00 | 62.5 | |
| 12:23 | 0.127 | 11.68 | 160 | 12.19 | 1.531 | 6.42 | 1.29 | 26.00 | 59.7 | |
| 12:26 | 0.127 | 11.68 | 160 | 12.66 | 1.510 | 6.44 | 1.00 | 34.00 | 55.7 | |
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED |
|---|---|---|---|---|---|
| STANDARD | [X] VOC | 8260B | HCL / 4 DEG. C | 3 X 40 mL | [X] VOC |
| | [X] SVOC | CLP | 4 DEG. C | 2 X 1 LAG | [X] SVOC |
| | [X] TAL INORGANICS | CLP | HNO3 to pH <2 | 1 X 1 LP | [X] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| MS | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| MSD | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0.465

COMMENTS

Clayish color particles

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas A. Wagner

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | BCC_AREA.E_RFI-PZ-17_1212 | | |
| WELL ID | RFI-PZ-17 | SAMPLE EVENT | AREA.E_4Q2012 | SAMPLE DATE | 12/11/2012 |
| TIME | START 1:45 PM END 2:00 PM | JOB NUMBER | 0913OMM | SAMPLER | Tom Wagner (TW) |

## WATER LEVEL / PUMP SETTINGS

| | | | |
|---|---|---|---|
| STATIC DEPTH TO WATER | 11.68 FT | MEASUREMENT POINT ELEVATION | 586.123 FASL |
| WELL DEPTH | Unknown FT | DEPTH TO NAPL NON DETECT (ND) | ND FT |
| WELL DIAMETER | 2.0 IN | WELL STICKUP TO PROTECTIVE CASING HEIGHT DIFFERENTIAL | 2.5 IN |
| SCREEN LENGTH | Unknown FT | NAPL VOL. REMOVED | GAL |
| TOTAL VOL. PURGED | GAL | WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED | YES [X] NO [ ] |
| | | TIME OF SAMPLE COLLECTION | |

MEASUREMENT POINT
- [X] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

NAPL REMOVAL METHOD
- [ ] BAILER
- [ ] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

## PURGE DATA

| TIME | VOL. (gal) | DEPTH TO WATER (ft) | PURGE RATE (ml/m) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (ms/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
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## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [X] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [X] GEOTECH INTERFACE METER
- [ ] SOLINST WATER METER
- [ ] OTHER

## ANALYTICAL PARAMETERS

| | To Be Collected | METHOD NUMBER | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED |
|---|---|---|---|---|---|
| STANDARD | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| DUPLICATE | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| MS | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |
| MSD | [ ] VOC | 8260B | HCL / 4 DEG. C | X 40 mL | [ ] VOC |
| | [ ] SVOC | CLP | 4 DEG. C | X 1 LAG | [ ] SVOC |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS |
| | [ ] TAL INORGANICS | CLP | HNO3 to pH <2 | X 1 LP | [ ] TAL INORGANICS (FILTERED) |

## PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES [X] NO [ ]

NUMBER OF GALLONS GENERATED

COMMENTS

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Thomas G. Wagner

| AREA E 2012 QUARTERLY LNAPL INTERFACE METER MEASURMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Sample Event Year** | **Sample Event Quarter** | **Area** | **Well ID** | **Sample Date** | **Start Time** | **Sampler** | **Static Depth To Water (ft)** | **Depth To NAPL Layer (ft)** |
| 2012 | 1Q | AREA.E | MW-E08 | 3/29/2012 | 16:12 | Andrew Madden (AM) | 9.40 | ND |
| 2012 | 1Q | AREA.E | MW-E09 | 3/29/2012 | 15:04 | Andrew Madden (AM) | 9.29 | ND |
| 2012 | 1Q | AREA.E | RFI-PZ-17 | 3/29/2012 | 10:00 | Andrew Madden (AM) | 12.51 | ND |
| 2012 | 1Q | AREA.E | MW-E10 | 3/30/2012 | 12:10 | Andrew Madden (AM) | 11.47 | ND |
| 2012 | 1Q | AREA.E | ICM-PZ-02S | 3/30/2012 | 18:44 | Andrew Madden (AM) | 11.40 | ND |
| 2012 | 1Q | AREA.E | ICM-PZ-03S | 3/30/2012 | 17:30 | Andrew Madden (AM) | 11.86 | 11.84 |
| 2012 | 2Q | AREA.E | MW-E08 | 6/29/2012 | 10:00 | Tom Wagner (TW) | 10.43 | ND |
| 2012 | 2Q | AREA.E | MW-E09 | 6/29/2012 | 10:15 | Tom Wagner (TW) | 8.85 | ND |
| 2012 | 2Q | AREA.E | MW-E10 | 6/29/2012 | 10:30 | Tom Wagner (TW) | 11.17 | ND |
| 2012 | 2Q | AREA.E | ICM-PZ-03S | 6/29/2012 | 10:45 | Tom Wagner (TW) | 10.93 | 10.87 |
| 2012 | 2Q | AREA.E | ICM-PZ-02S | 6/29/2012 | 11:00 | Tom Wagner (TW) | 11.45 | ND |
| 2012 | 2Q | AREA.E | RFI-PZ-17 | 6/29/2012 | 11:15 | Tom Wagner (TW) | 13.70 | ND |
| 2012 | 3Q | AREA.E | RFI-PZ-17 | 9/17/2012 | 13:00 | Tom Wagner (TW) | 13.43 | ND |
| 2012 | 3Q | AREA.E | ICM-PZ-02S | 9/17/2012 | 13:10 | Tom Wagner (TW) | 12.83 | ND |
| 2012 | 3Q | AREA.E | ICM-PZ-03S | 9/17/2012 | 13:20 | Tom Wagner (TW) | 13.30 | 13.15 |
| 2012 | 3Q | AREA.E | MW-E08 | 9/17/2012 | 13:30 | Tom Wagner (TW) | 12.45 | ND |
| 2012 | 3Q | AREA.E | MW-E09 | 9/17/2012 | 13:40 | Tom Wagner (TW) | 12.23 | ND |
| 2012 | 3Q | AREA.E | MW-E10 | 9/17/2012 | 13:50 | Tom Wagner (TW) | 13.65 | ND |
| 2012 | 4Q | AREA.E | ICM-PZ-02S | 12/11/2012 | 12:05 | Tom Wagner (TW) | 10.93 | ND |
| 2012 | 4Q | AREA.E | ICM-PZ-03S | 12/11/2012 | 12:25 | Tom Wagner (TW) | 11.24 | 11.18 |
| 2012 | 4Q | AREA.E | MW-E08 | 12/11/2012 | 12:45 | Tom Wagner (TW) | 5.35 | ND |
| 2012 | 4Q | AREA.E | MW-E09 | 12/11/2012 | 13:05 | Tom Wagner (TW) | 5.80 | ND |
| 2012 | 4Q | AREA.E | MW-E10 | 12/11/2012 | 13:25 | Tom Wagner (TW) | 7.96 | ND |
| 2012 | 4Q | AREA.E | RFI-PZ-17 | 12/11/2012 | 13:45 | Tom Wagner (TW) | 11.68 | ND |

**ATTACHMENT D**

**SITE INSPECTION SHEETS**

# SITE-WIDE INSPECTION FORM

## Former Buffalo Color Facility, Area E, Buffalo, NY

Date: 2/24/12

Weather: Light Snow

Personnel (Organization): Tom Wagner(OSC)

Instructions: Complete the checklist of evaluation items and then complete specific data items. Field measurements should be made with a cloth tape and noted on a Site plan. Estimated measurements shall be so noted. All field notes and documentation, including hand sketches, photographs, and notes should be on the same Site plan and should be attached to the completed checklist to further define conditions or problems.

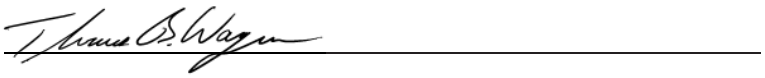
## EVALUATION ITEMS

| (Write NA if not applicable) | CONDITION: (Check) Acceptable | Not Acceptable | Action Required: Yes | No | Remarks |
|---|---|---|---|---|---|
| **1. Institutional Controls** | | | | | |
| a. Site Use | ✓ | | | | |
| **2. Engineering Controls** | | | | | |
| a. Soil Cover | ✓ | | | | |
| b. Surface Pavement | ✓ | | | | |
| c. At-Grade/Basement Slabs | ✓ | | | | |
| **3. Site Management Activities** | | | | | |
| a. Confirmation Sampling | ✓ | | | | |
| b. Health & Safety Inspection | ✓ | | | | |
| c. Other (specify) | ✓ | | | | |
| **4. Permits** | | | | | |
| a. Compliant? | ✓ | | | | |
| **5. O&M** | | | | | |
| a. Schedule being followed? | ✓ | | | | |
| **6. Site Records** | | | | | |
| a. Up to date? | ✓ | | | | |

## SITE-WIDE INSPECTION FORM (CONTINUED)
**Former Buffalo Color Facility, Area E, Buffalo, NY**

7. **General Site Conditions**

Good



Signature of Inspector(s)

Attachments

_____ Yes ____✓____ No

Other Comments:

None

# SITE-WIDE INSPECTION FORM

## Former Buffalo Color Facility, Area E, Buffalo, NY

Date: 6/18/12

Weather: Sunny

Personnel (Organization): Tom Wagner(OSC)

Instructions: Complete the checklist of evaluation items and then complete specific data items. Field measurements should be made with a cloth tape and noted on a Site plan. Estimated measurements shall be so noted. All field notes and documentation, including hand sketches, photographs, and notes should be on the same Site plan and should be attached to the completed checklist to further define conditions or problems.

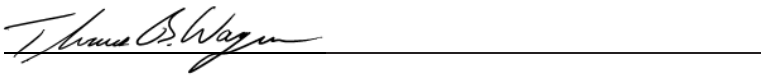
## EVALUATION ITEMS

| (Write NA if not applicable) | CONDITION: (Check) Acceptable | Not Acceptable | Action Required: Yes | No | Remarks |
|---|---|---|---|---|---|
| **1. Institutional Controls** | | | | | |
| a. Site Use | ✓ | | | | |
| **2. Engineering Controls** | | | | | |
| a. Soil Cover | ✓ | | | | |
| b. Surface Pavement | ✓ | | | | |
| c. At-Grade/Basement Slabs | ✓ | | | | |
| **3. Site Management Activities** | | | | | |
| a. Confirmation Sampling | ✓ | | | | |
| b. Health & Safety Inspection | ✓ | | | | |
| c. Other (specify) | ✓ | | | | |
| **4. Permits** | | | | | |
| a. Compliant? | ✓ | | | | |
| **5. O&M** | | | | | |
| a. Schedule being followed? | ✓ | | | | |
| **6. Site Records** | | | | | |
| a. Up to date? | ✓ | | | | |

## SITE-WIDE INSPECTION FORM (CONTINUED)
**Former Buffalo Color Facility, Area E, Buffalo, NY**

7. **General Site Conditions**

Good



Signature of Inspector(s)

Attachments

_____ Yes ____✓____ No

Other Comments:

None

# SITE-WIDE INSPECTION FORM

## Former Buffalo Color Facility, Area E, Buffalo, NY

Date: 9/25/12

Weather: Sunny

Personnel (Organization): Tom Wagner(OSC)

Instructions: Complete the checklist of evaluation items and then complete specific data items. Field measurements should be made with a cloth tape and noted on a Site plan. Estimated measurements shall be so noted. All field notes and documentation, including hand sketches, photographs, and notes should be on the same Site plan and should be attached to the completed checklist to further define conditions or problems.

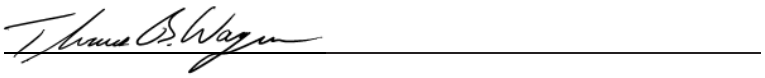
## EVALUATION ITEMS

| (Write NA if not applicable) | CONDITION: (Check) Acceptable | Not Acceptable | Action Required: Yes | No | Remarks |
|---|---|---|---|---|---|
| **1. Institutional Controls** | | | | | |
| a. Site Use | ✓ | | | | |
| **2. Engineering Controls** | | | | | |
| a. Soil Cover | ✓ | | | | |
| b. Surface Pavement | ✓ | | | | |
| c. At-Grade/Basement Slabs | ✓ | | | | |
| **3. Site Management Activities** | | | | | |
| a. Confirmation Sampling | ✓ | | | | |
| b. Health & Safety Inspection | ✓ | | | | |
| c. Other (specify) | ✓ | | | | |
| **4. Permits** | | | | | |
| a. Compliant? | ✓ | | | | |
| **5. O&M** | | | | | |
| a. Schedule being followed? | ✓ | | | | |
| **6. Site Records** | | | | | |
| a. Up to date? | ✓ | | | | |

## SITE-WIDE INSPECTION FORM (CONTINUED)
**Former Buffalo Color Facility, Area E, Buffalo, NY**

7. **General Site Conditions**

Good



Signature of Inspector(s)

Attachments

_____ Yes ____✓____ No

Other Comments:

None

# SITE-WIDE INSPECTION FORM

## Former Buffalo Color Facility, Area E, Buffalo, NY

Date: 12/20/12

Weather: Ptl. Cloudy

Personnel (Organization): Tom Wagner(OSC)

Instructions: Complete the checklist of evaluation items and then complete specific data items. Field measurements should be made with a cloth tape and noted on a Site plan. Estimated measurements shall be so noted. All field notes and documentation, including hand sketches, photographs, and notes should be on the same Site plan and should be attached to the completed checklist to further define conditions or problems.

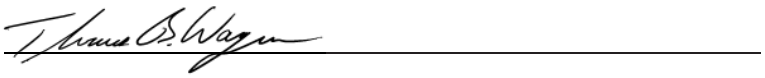
## EVALUATION ITEMS

| (Write NA if not applicable) | CONDITION: (Check) Acceptable | Not Acceptable | Action Required: Yes | No | Remarks |
|---|---|---|---|---|---|
| **1. Institutional Controls** | | | | | |
| a. Site Use | ✓ | | | | |
| **2. Engineering Controls** | | | | | |
| a. Soil Cover | ✓ | | | | |
| b. Surface Pavement | ✓ | | | | |
| c. At-Grade/Basement Slabs | ✓ | | | | |
| **3. Site Management Activities** | | | | | |
| a. Confirmation Sampling | ✓ | | | | |
| b. Health & Safety Inspection | ✓ | | | | |
| c. Other (specify) | ✓ | | | | |
| **4. Permits** | | | | | |
| a. Compliant? | ✓ | | | | |
| **5. O&M** | | | | | |
| a. Schedule being followed? | ✓ | | | | |
| **6. Site Records** | | | | | |
| a. Up to date? | ✓ | | | | |

## SITE-WIDE INSPECTION FORM (CONTINUED)
**Former Buffalo Color Facility, Area E, Buffalo, NY**

7. **General Site Conditions**

Good



Signature of Inspector(s)

Attachments

_____ Yes ____✓____ No

Other Comments:

None

# SOIL COVER INSPECTION CHECKLIST

Former Buffalo Color Facility, Area E, Buffalo, NY

Date: 2/24/12

Weather: Light Snow

Personnel (Organization): Tom Wagner (OSC)

Instructions: Complete the checklist of evaluation items and then complete specific data items. Field measurements should be made with a cloth tape and noted on a Site plan. Estimated measurements shall be so noted. All field notes and documentation, including hand sketches, photographs, and notes made on the Site plan, should be attached to the completed checklist to further define conditions or problems.

EVALUATION ITEMS
CONDITION: (Check)
Action Required

| (Write NA if not applicable) | Acceptable | Not Acceptable | Yes | No | Remarks |
|---|---|---|---|---|---|
| 1. Integrity of Soil Cover | | | | | |
| a. Runoff/Erosion Damage | ✓ | | | | |
| b. Settlement | ✓ | | | | |
| c. Missing/Insufficient grass/vegetation | ✓ | | | | |
| d. Animal Burrows | ✓ | | | | |
| 2. Surface Pavement | | | | | |
| a. Condition | ✓ | | | | |
| 3. At-Grade/Basement Concrete Slabs (occupied structures) | | | | | |
| a. Condition | ✓ | | | | |

SPECIFIC DATA ITEMS (Write NA if not applicable)

Area(s): N/A

1. Approximate size in feet area(s) (List separately)
   a) _____ by _____
   b) _____ by _____
   c) _____ by _____
2. Deepest point of area(s) (e.g. erosion/damage) measu red from the adjacent surface (List separately)
   a) _____ feet
   b) _____ feet
   c) _____ feet

# SOIL COVER INSPECTION CHECKLIST (CONTINUED)
## Former Buffalo Color Facility, Area E, Buffalo, NY

3. **Attach a hand sketch or photograph to the attached Site plan showing the location(s) of the area(s). Identify each area by using the letter a, b, c, etc. from Question 1.**

N/A

4. **Approximate size in feet of any settlement area within the area(s). (List separately.)**

a) _____ by _____
b) _____ by _____
c) _____ by _____

5. **Approximate size and location of animal burrows. (Attach a sketch showing approximate locations.)**

N/A

6. **Approximate depth of settlement area(s) measured from the adjacent surface. (List separately.)**

a) _____ feet
b) _____ feet
c) _____ feet

7. **Attach a hand sketch or photograph to the attached Site plan showing the location of the settlement area(s). Identify each area by using the letter a, b, or c, etc. from Question 6.**

N/A

8. **Approximate size and depth of eroded area(s).**

a) _____ feet
b) _____ feet
c) _____ feet

9. **Attach a sketch or photograph to the attached Site plan showing location of any eroded area(s).**

N/A

Thomas B. Wagner

Signature of Inspector(s)

Attachments

_____ Yes ✓ No

Other Comments:

None

# SOIL COVER INSPECTION CHECKLIST

Former Buffalo Color Facility, Area E, Buffalo, NY

Date: 6/18/12

Weather: Sunny

Personnel (Organization): Tom Wagner (OSC)

Instructions: Complete the checklist of evaluation items and then complete specific data items. Field measurements should be made with a cloth tape and noted on a Site plan. Estimated measurements shall be so noted. All field notes and documentation, including hand sketches, photographs, and notes made on the Site plan, should be attached to the completed checklist to further define conditions or problems.

EVALUATION ITEMS
CONDITION: (Check)
Action Required

| (Write NA if not applicable) | Acceptable | Not Acceptable | Yes | No | Remarks |
|---|---|---|---|---|---|
| 1. Integrity of Soil Cover | | | | | |
| a. Runoff/Erosion Damage | ✓ | | | | |
| b. Settlement | ✓ | | | | |
| c. Missing/Insufficient grass/vegetation | ✓ | | | | |
| d. Animal Burrows | ✓ | | | | |
| 2. Surface Pavement | | | | | |
| a. Condition | ✓ | | | | |
| 3. At-Grade/Basement Concrete Slabs (occupied structures) | | | | | |
| a. Condition | ✓ | | | | |

SPECIFIC DATA ITEMS (Write NA if not applicable)

Area(s): N/A

1. Approximate size in feet area(s) (List separately)
   a) _____ by _____
   b) _____ by _____
   c) _____ by _____
2. Deepest point of area(s) (e.g. erosion/damage) measu red from the adjacent surface (List separately)
   a) _____ feet
   b) _____ feet
   c) _____ feet

# SOIL COVER INSPECTION CHECKLIST (CONTINUED)
## Former Buffalo Color Facility, Area E, Buffalo, NY

3. **Attach a hand sketch or photograph to the attached Site plan showing the location(s) of the area(s). Identify each area by using the letter a, b, c, etc. from Question 1.**

N/A

4. **Approximate size in feet of any settlement area within the area(s). (List separately.)**

a) _____ by _____
b) _____ by _____
c) _____ by _____

5. **Approximate size and location of animal burrows. (Attach a sketch showing approximate locations.)**

N/A

6. **Approximate depth of settlement area(s) measured from the adjacent surface. (List separately.)**

a) _____ feet
b) _____ feet
c) _____ feet

7. **Attach a hand sketch or photograph to the attached Site plan showing the location of the settlement area(s). Identify each area by using the letter a, b, or c, etc. from Question 6.**

N/A

8. **Approximate size and depth of eroded area(s).**

a) _____ feet
b) _____ feet
c) _____ feet

9. **Attach a sketch or photograph to the attached Site plan showing location of any eroded area(s).**

N/A

Thomas B. Wagner

Signature of Inspector(s)

Attachments

_____ Yes ✓ No

Other Comments:

None

# SOIL COVER INSPECTION CHECKLIST

Former Buffalo Color Facility, Area E, Buffalo, NY

Date: 9/25/12

Weather: Sunny

Personnel (Organization): Tom Wagner (OSC)

Instructions: Complete the checklist of evaluation items and then complete specific data items. Field measurements should be made with a cloth tape and noted on a Site plan. Estimated measurements shall be so noted. All field notes and documentation, including hand sketches, photographs, and notes made on the Site plan, should be attached to the completed checklist to further define conditions or problems.

EVALUATION ITEMS
CONDITION: (Check)
Action Required

| (Write NA if not applicable) | Acceptable | Not Acceptable | Yes | No | Remarks |
|---|---|---|---|---|---|
| 1. Integrity of Soil Cover | | | | | |
| a. Runoff/Erosion Damage | ✓ | | | | |
| b. Settlement | ✓ | | | | |
| c. Missing/Insufficient grass/vegetation | ✓ | | | | |
| d. Animal Burrows | ✓ | | | | |
| 2. Surface Pavement | | | | | |
| a. Condition | ✓ | | | | |
| 3. At-Grade/Basement Concrete Slabs (occupied structures) | | | | | |
| a. Condition | ✓ | | | | |

SPECIFIC DATA ITEMS (Write NA if not applicable)

Area(s): N/A

1. Approximate size in feet area(s) (List separately)
   a) _____ by _____
   b) _____ by _____
   c) _____ by _____
2. Deepest point of area(s) (e.g. erosion/damage) measu red from the adjacent surface (List separately)
   a) _____ feet
   b) _____ feet
   c) _____ feet

# SOIL COVER INSPECTION CHECKLIST (CONTINUED)
## Former Buffalo Color Facility, Area E, Buffalo, NY

3. **Attach a hand sketch or photograph to the attached Site plan showing the location(s) of the area(s). Identify each area by using the letter a, b, c, etc. from Question 1.**

N/A

4. **Approximate size in feet of any settlement area within the area(s). (List separately.)**

a) _____ by _____
b) _____ by _____
c) _____ by _____

5. **Approximate size and location of animal burrows. (Attach a sketch showing approximate locations.)**

N/A

6. **Approximate depth of settlement area(s) measured from the adjacent surface. (List separately.)**

a) _____ feet
b) _____ feet
c) _____ feet

7. **Attach a hand sketch or photograph to the attached Site plan showing the location of the settlement area(s). Identify each area by using the letter a, b, or c, etc. from Question 6.**

N/A

8. **Approximate size and depth of eroded area(s).**

a) _____ feet
b) _____ feet
c) _____ feet

9. **Attach a sketch or photograph to the attached Site plan showing location of any eroded area(s).**

N/A

Thomas B. Wagner

Signature of Inspector(s)

Attachments

_____ Yes ✓ No

Other Comments:

None

# SOIL COVER INSPECTION CHECKLIST

Former Buffalo Color Facility, Area E, Buffalo, NY

Date: 12/20/12

Weather: Ptl. Cloudy

Personnel (Organization): Tom Wagner (OSC)

Instructions: Complete the checklist of evaluation items and then complete specific data items. Field measurements should be made with a cloth tape and noted on a Site plan. Estimated measurements shall be so noted. All field notes and documentation, including hand sketches, photographs, and notes made on the Site plan, should be attached to the completed checklist to further define conditions or problems.

EVALUATION ITEMS
CONDITION: (Check)

| (Write NA if not applicable) | Acceptable | Action Required: Not Acceptable | Yes | No | Remarks |
|---|---|---|---|---|---|
| 1. Integrity of Soil Cover | | | | | |
| a. Runoff/Erosion Damage | ✓ | | | | |
| b. Settlement | ✓ | | | | |
| c. Missing/Insufficient grass/vegetation | ✓ | | | | |
| d. Animal Burrows | ✓ | | | | |
| 2. Surface Pavement | | | | | |
| a. Condition | ✓ | | | | |
| 3. At-Grade/Basement Concrete Slabs (occupied structures) | | | | | |
| a. Condition | ✓ | | | | |

SPECIFIC DATA ITEMS (Write NA if not applicable)

Area(s): N/A

1. Approximate size in feet area(s) (List separately)
   a) _____ by _____
   b) _____ by _____
   c) _____ by _____
2. Deepest point of area(s) (e.g. erosion/damage) measu red from the adjacent surface (List separately)
   a) _____ feet
   b) _____ feet
   c) _____ feet

# SOIL COVER INSPECTION CHECKLIST (CONTINUED)
## Former Buffalo Color Facility, Area E, Buffalo, NY

3. **Attach a hand sketch or photograph to the attached Site plan showing the location(s) of the area(s). Identify each area by using the letter a, b, c, etc. from Question 1.**

N/A

4. **Approximate size in feet of any settlement area within the area(s). (List separately.)**

a) _____ by _____
b) _____ by _____
c) _____ by _____

5. **Approximate size and location of animal burrows. (Attach a sketch showing approximate locations.)**

N/A

6. **Approximate depth of settlement area(s) measured from the adjacent surface. (List separately.)**

a) _____ feet
b) _____ feet
c) _____ feet

7. **Attach a hand sketch or photograph to the attached Site plan showing the location of the settlement area(s). Identify each area by using the letter a, b, or c, etc. from Question 6.**

N/A

8. **Approximate size and depth of eroded area(s).**

a) _____ feet
b) _____ feet
c) _____ feet

9. **Attach a sketch or photograph to the attached Site plan showing location of any eroded area(s).**

N/A

Thomas B. Wagner

Signature of Inspector(s)

Attachments

_____ Yes ✓ No

Other Comments:

None

**ATTACHMENT E**

**ARMOR ELECTRIC STORM SEWER INSTALLATION REPORT**

Ontario Specialty Contracting, Inc.

Environmental Remediation ♦ Demolition / Dismantlement ♦ Brownfield Redevelopment

March 8, 2013

Mr. Eugene W. Melnyk, P.E.
Division of Environmental Remediation
New York State Department of Environmental Conservation
270 Michigan Avenue
Buffalo, New York 14203

**Subject:** **Armor Electric Storm Sewer Construction Report**
**Buffalo Color Remediation Site**
**NYSDEC Site # C915232**
**OSC 0913-OMM**

Dear Mr. Melnyk:

On behalf of South Buffalo Development Corporation, LLC (SBD), Ontario Specialty Contracting, Inc. (OSC) is submitting a Construction Complete Report for the Armor Electric storm sewer remediation work completed in November of 2012.

The storm sewer remediation work performed at the Armor Electric Property was conducted to ensure that groundwater was effectively isolated from the entering the system. The attached as-built construction drawings and installation log provide both the methods employed and chronological progression of the work performed.

Included with the report are:

- Storm Sewer installation log;
- City of Buffalo Building Permit;
- Buffalo Sewer Authority Temporary Discharge Permit;
- Armor Electric Storm Sewer Trench Spoils Analytical Results; and
- Armor Electric Storm Sewer Rehabilitation As-Built Drawings.

Please review the attached information and feel free to contact me if you have any questions.

Sincerely,

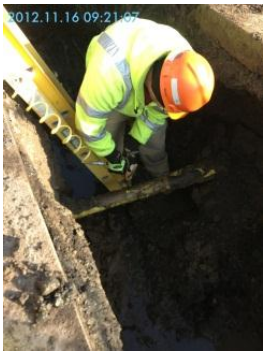
Andrew D. Madden
Project Engineer - *Ontario Specialty Contracting, Inc.*

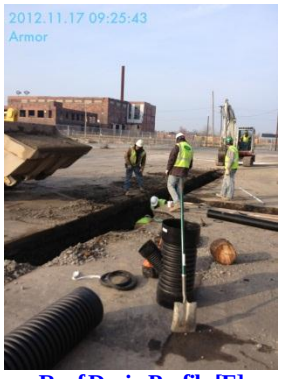
| | | |
|---|---|---|
| cc: | Richard Galloway | Honeywell |
| | George Pfeiffer | De Maximis, Inc. |
| | Daniel Forlastro | AMEC Environment & Infrastructure |
| | John Yensan | South Buffalo Development, LLC |

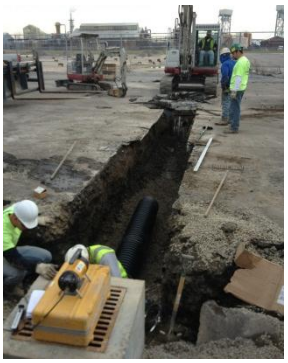
# ARMOR ELECTRIC
# STORM SEWER INSTALLATION LOG


***Ontario Specialty Contracting, Inc.***
333 Ganson Street, Buffalo, NY 14203
Phone (716) 856-3333 Fax (716) 842-1785


| | | | | | |
|---|---|---|---|---|---|
| Project Name: | Buffalo Color | Project Number: | 0913-R | Prepared by: | Andrew Madden |
| Client: | South Buffalo Development, LLC | | | Frequency: | Progressive |
| Contractor: | Ontario Specialty Contracting (OSC) | OSC Supervisor: | Andrew Madden | | |

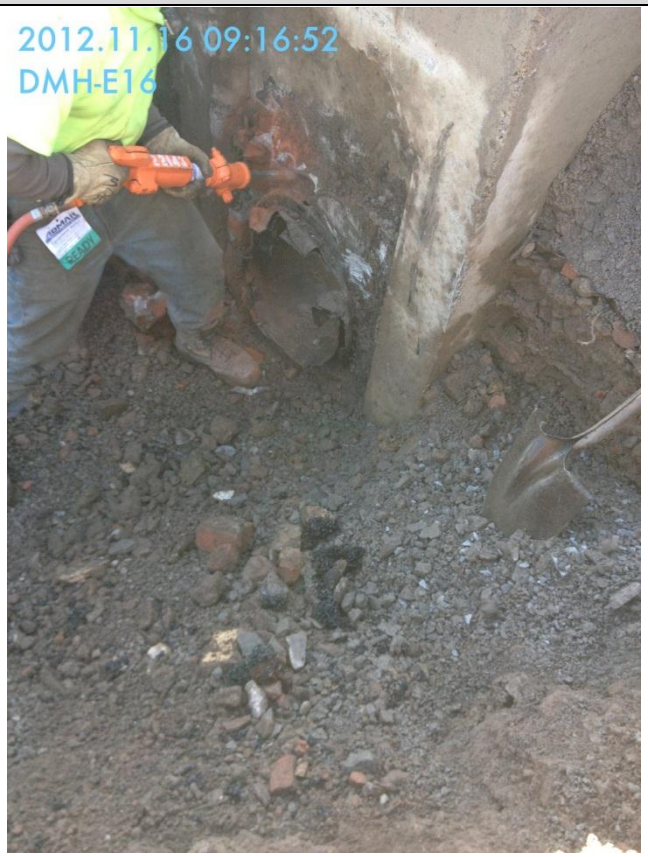
| DATE | LOG NARRATIVE | PHOTO LOG LINKS | |
|---|---|---|---|
| Friday November 16th 2012 | Niagara Boundary (Surveyors) previously marked out the storm sewer installation centerline within the Armor Electric parking lot on 11/12/2012. Capital Cutting (pavement cutting contractor) cut the existing parking lot asphalt at a 1 foot offset from each side of the marked out centerline on 11/13/2012. OSC began installation on 11/16/2012 and started by exposing the Area E tie in manhole (DMH-E16). Groundwater was encountered at approximately 4 to 5 feet below grade. Subsequently, dewatering activities were initiated; which included progressively pumping groundwater from trench low points into a 21K gal holding tank staged within the Area E property. The northern intersecting 10" clay tile pipe was removed and the replacement 12" HDPE pipe was outfitted with a "water stop" grouting ring before installation by way of quick set hydraulic cement. A small diameter gas line was unexpectedly encountered near station A0+25. National Fuel Gas responded to the site, verified the line was inactive and allowed its removal from the installation trench. A 10" concrete wall was encountered near station A0+35 and was subsequently removed by hydraulic hammers. Catch basin CB-A was set in place, backfilled and the 12" HDPE corrugated pipe connections were completed by way of the designed watertight boot seal application. A licensed journeyman plumber from JW Danforth (JWD), required by the City of Buffalo Permitting Department under the building permit no. 188743 (Attachment A), was on site to assist with the installation. A Mallare Enterprises, Inc. (Mallare) dump truck and driver were onsite to transport direct loaded soil spoils removed from the trench to a Poly sheeted and stone bermed containment cell located within the Area A property for future profile and disposal; which are to be coordinated alongside Area A trench spoils disposal activities. Because the excavated trench spoils were predestined for disposal, field PID (photoionization detector) screenings were reserved for materials exhibiting physical characteristics of concern. The soil spoils excavated throughout the day did not exhibit any unusual characteristics worth noting. The days progress ended with the installation of catch basin CB-A, 100 feet of 12" HDPE Pipe from STA A0+00 to A1+00 and the 6" HDPE Roof Drain Profile [F].<br><br>Personnel: OSC (5), JWD (1), Mallare (1)<br>OSC Equipment: Takeuchi TB175 Mini Excavator; Takeuchi TB016 Mini Excavator w/ Hydraulic Hammer; Komatsu WA-320-6 Wheel Loader; Bobcat S185; Mallare Triaxle Dump Truck; Weber DPU-6055 Plate Compactor; Weber BS600 Jumping-Jack Compactor; Sullivan D185Q11JD 185 CFM Air Compressor; Kanalbaulaser 4700 Beam Aligner; TOPCON RLH4C-DB Rotating Laser; Adler 21K gal Holding Tank; 2K lb Carbon Vessel; Inline Dual Bag Filter Skid; Wacker PT2A 2 in Trash Pump.<br>Weather: Clear / 45 Deg |  <br>DMH-E16 Retrofit<br><br>  <br>NFG Line Tap<br><br>  <br>Concrete Wall |  <br>Trench Cut |

| DATE | LOG NARRATIVE | PHOTO LOG LINKS | |
|---|---|---|---|
| Saturday November 17th 2012 | Work initiated towards the installation of the 6" HDPE Roof Drain Profile [E] and completing backfilling and compaction activities between STA A0+00 to A1+00 and Roof Drain Profile [F]. Dewatering and trench soil spoils management progressed with unchanged procedures from the previous day. The soil spoils excavated throughout the day did not exhibit any unusual characteristics worth noting. The days progress ended with the installation of 40 feet of 12" HDPE Pipe from STA A1+00 to A1+40 and the 6" HDPE Roof Drain Profile [E].<br><br>Personnel: OSC (4), JWD (1), Mallare (1)<br>OSC Equipment: Takeuchi TB175 Mini Excavator; Takeuchi TB016 Mini Excavator w/ Hydraulic Hammer; Komatsu WA-320-6 Wheel Loader; Bobcat S185; Mallare Triaxle Dump Truck; Weber DPU-6055 Plate Compactor; Weber BS600 Jumping-Jack Compactor; Sullivan D185Q11JD 185 CFM Air Compressor; Kanalbaulaser 4700 Beam Aligner; TOPCON RLH4C-DB Rotating Laser; Adler 21K gal Holding Tank; 2K lb Carbon Vessel; Inline Dual Bag Filter Skid; Wacker PT2A 2 in Trash Pump.<br>Weather: Clear / 45 Deg |  <br>Roof Drain Profile [E] |  <br>Armor Trench Spoils |
| Monday November 19th 2012 | Activities initiated with the installation of the 6" HDPE Roof Drain Profile [D] and continuing the trench excavation towards the catch basin CB-E installation location. Dewatering and trench soil spoils management progressed with unchanged procedures from their initiation on 11/16/2012. The soil spoils excavated throughout the day did not exhibit any unusual characteristics worth noting. Backfilling and compaction activities continued alongside installation. The days progress ended with the installation of catch basin CB-E, 45 feet of 12" HDPE Pipe from STA A1+40 to A1+85 and the 6" HDPE Roof Drain Profile [D].<br><br>Personnel: OSC (3), JWD (1), Mallare (1)<br>OSC Equipment: Takeuchi TB175 Mini Excavator; Takeuchi TB016 Mini Excavator w/ Hydraulic Hammer; Komatsu WA-320-6 Wheel Loader; Bobcat S185; Mallare Triaxle Dump Truck; Weber DPU-6055 Plate Compactor; Weber BS600 Jumping-Jack Compactor; Sullivan D185Q11JD 185 CFM Air Compressor; Kanalbaulaser 4700 Beam Aligner; TOPCON RLH4C-DB Rotating Laser; Adler 21K gal Holding Tank; 2K lb Carbon Vessel; Inline Dual Bag Filter Skid; Wacker PT2A 2 in Trash Pump.<br>Weather: Clear / 50 Deg |  <br>Crusher Run Compaction |  <br>CB-E Install |

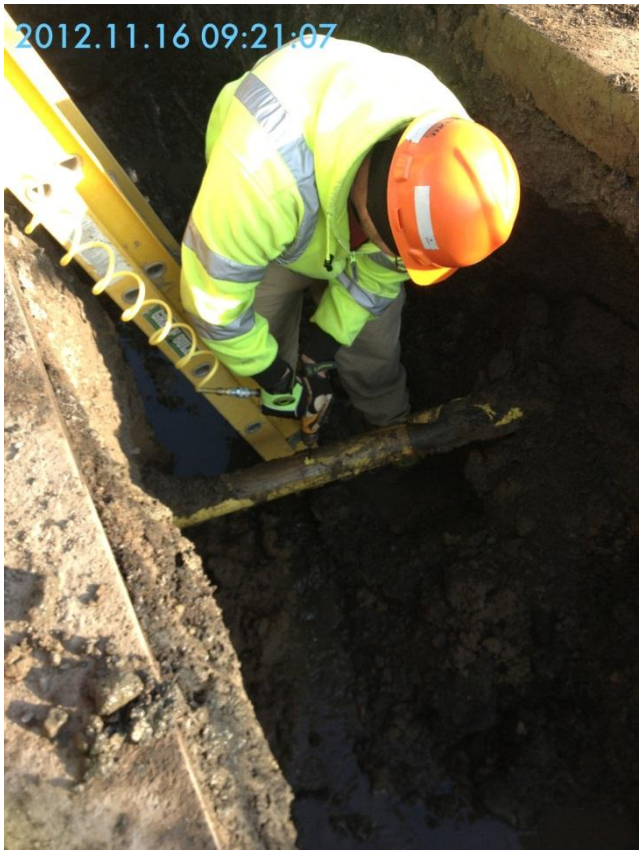
| DATE | LOG NARRATIVE | PHOTO LOG LINKS | |
|---|---|---|---|
| Tuesday November 20th 2012 | Visone Construction, Inc. (Visone) was onsite to begin pavement restoration work. Visone initiated etching out and compacting a 3" depth within placed and compacted 2" crusher run subbase, alongside installing the frame and grate assembly for CB-A. Following these activities, Visone progressed into placing and rolling asphalt starting from manhole DMH-E16. OSC continued to trench through to STA 2+67 and began installing catch basin CB-G and Roof Drain Profile [C]. Dewatering and trench soil spoils management progressed with unchanged procedures from their initiation on 11/16/2012. The soil spoils excavated throughout the day did not exhibit any unusual characteristics worth noting. The days progress ended with the installation of catch basin CB-G, 82 feet of 12" HDPE Pipe from STA A1+85 to A2+67, 6" HDPE Roof Drain Profile [C] and asphalt pavement restoration from STA A0+00 to A1+50 and Drain Profile [F].<br><br>Personnel: OSC (5), JWD (1), Mallare (1), Visone (5)<br>OSC Equipment: Takeuchi TB175 Mini Excavator; Takeuchi TB016 Mini Excavator w/ Hydraulic Hammer; Komatsu WA-320-6 Wheel Loader; Bobcat S185; Mallare Triaxle Dump Truck; Weber DPU-6055 Plate Compactor; Weber BS600 Jumping-Jack Compactor; Sullivan D185Q11JD 185 CFM Air Compressor; Kanalbaulaser 4700 Beam Aligner; TOPCON RLH4C-DB Rotating Laser; Adler 21K gal Holding Tank; 2K lb Carbon Vessel; Inline Dual Bag Filter Skid; Wacker PT2A 2 in Trash Pump.<br>Visone Equipment: CAT 305 Excavator; New Holland LS180 Skid Steer; CAT CB-224E Roller; Dual Axle Dump Truck; Weber DPU-6055 Plate Compactor.<br>Weather: Cloudy / 40 Deg |  <br>Watertight Connection<br><br>  <br>CB-G Install |  <br>CB-A Frame & Grate<br><br>  <br>DMH-E16 Pavement |
| Wednesday November 21st 2012 | OSC continued to trench profile B and remove the three latent concrete manholes grouped within the southern side of the parking lot. Following these activities, OSC proceeded to install catch basin CB-D and complete all remaining backfill and compaction efforts. Visone progressed with the fine grading and asphalt pavement placement. Dewatering and trench soil spoils management continued. The minimal amount of concrete and soil spoils left to be removed was transported to the Area A staging location with the Komatsu Front Loader. The last of the excavated concrete and soil spoils did not exhibit any unusual characteristics worth noting. The days progress ended with the installation of catch basin CB-D, 31 feet of 12" HDPE Pipe from STA B0+00 to B0+31 and asphalt pavement restoration from STA A1+50 to A2+67, B0+00 to B0+20 and Drain Profiles [C], [D] and [E]. The remaining areas for pavement restoration were confined to a 20x10 sf area just south of the catch basin CB-D.<br><br>Personnel: OSC (5), JWD (1), Visone (5)<br>OSC Equipment: Takeuchi TB175 Mini Excavator; Takeuchi TB016 Mini Excavator w/ Hydraulic Hammer; Komatsu WA-320-6 Wheel Loader; Bobcat S185; Weber DPU-6055 Plate Compactor; Weber BS600 Jumping-Jack Compactor; Sullivan D185Q11JD 185 CFM Air Compressor; Kanalbaulaser 4700 Beam Aligner; TOPCON RLH4C-DB Rotating Laser; Adler 21K gal Holding Tank; 2K lb Carbon Vessel; Inline Dual Bag Filter Skid; Wacker PT2A 2 in Trash Pump.<br>Visone Equipment: CAT 305 Excavator; New Holland LS180 Skid Steer; CAT CB-224E Roller; Dual Axle Dump Truck; Weber DPU-6055 Plate Compactor.<br>Weather: Overcast / 45 Deg |  <br>Profile B Advance |  <br>Remaining Restoration |

| DATE | LOG NARRATIVE | PHOTO LOG LINKS | |
|---|---|---|---|
| Monday November 26th 2012 | Visone returned to the site and completes the pavement restoration for the remaining 20x10 sf area just south of the catch basin CB-D. OSC begins processing the groundwater stored within the staged 21K gallon holding tank and discharging the treated effluent to a local Buffalo Sewer Authority sanitary sewer manhole under a temporary discharge permit no. 12-11-TP189 (Attachment B). Water treatment consisted of particulate filtration and carbon absorption. Alongside water treatment activities, OSC continues to demobilize remaining materials and equipment from the site.<br><br>Personnel: OSC (5), JWD (1), Visone (5)<br>OSC Equipment: Komatsu WA-320-6 Wheel Loader; Bobcat S185; Sullivan D185Q11JD 185 CFM Air Compressor; Adler 21K gal Holding Tank; 2K lb Carbon Vessel; Inline Dual Bag Filter Skid; Wacker PT2A 2 in Trash Pump.<br>Visone Equipment: New Holland LS180 Skid Steer; CAT CB-224E Roller; Dual Axle Dump Truck; Weber DPU-6055 Plate Compactor.<br>Weather: Overcast / 35 Deg |  <br>Pavement Complete<br><br>  <br>Hard Spoils |  <br>Concrete Spoils<br><br>  <br>Soil Spoils |

## PORTRAIT PHOTO LOG




DMH-E16 Retrofit

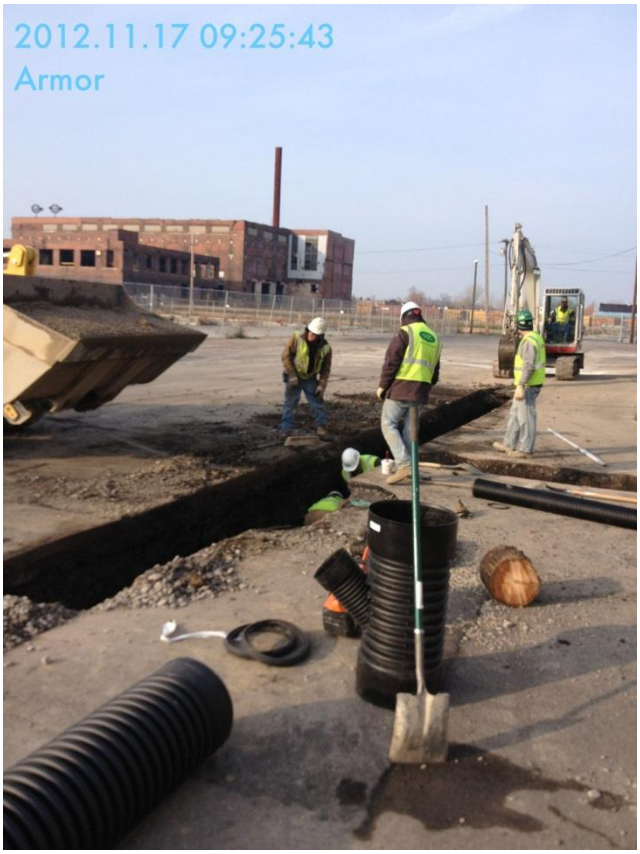



NFG Line Tap


Concrete Wall


Trench Cut

## PORTRAIT PHOTO LOG



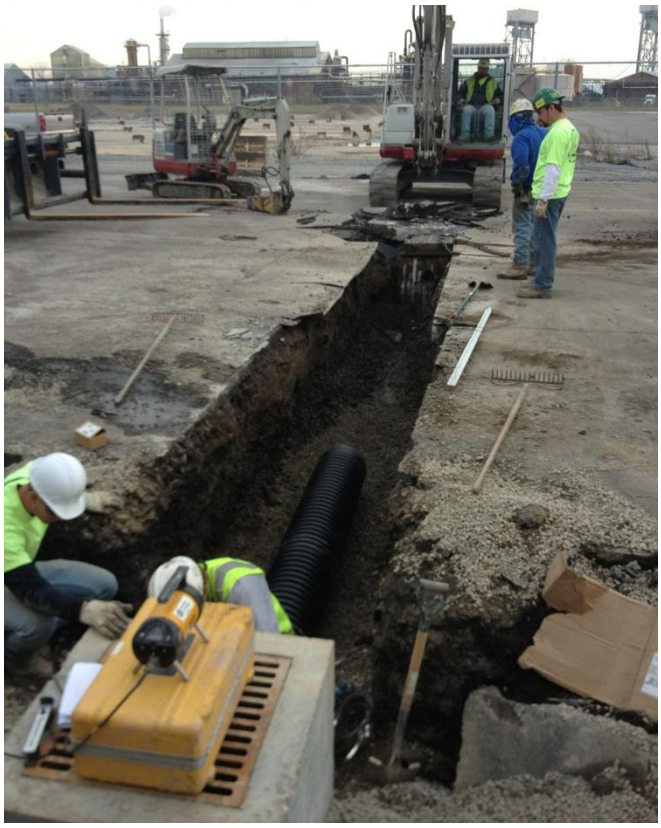

Roof Drain Profile [E]


Crusher Run Compaction


Watertight Connection


CB-A Frame & Grate

## PORTRAIT PHOTO LOG



Profile B Advance


Remaining Restoration

Concrete Spoils

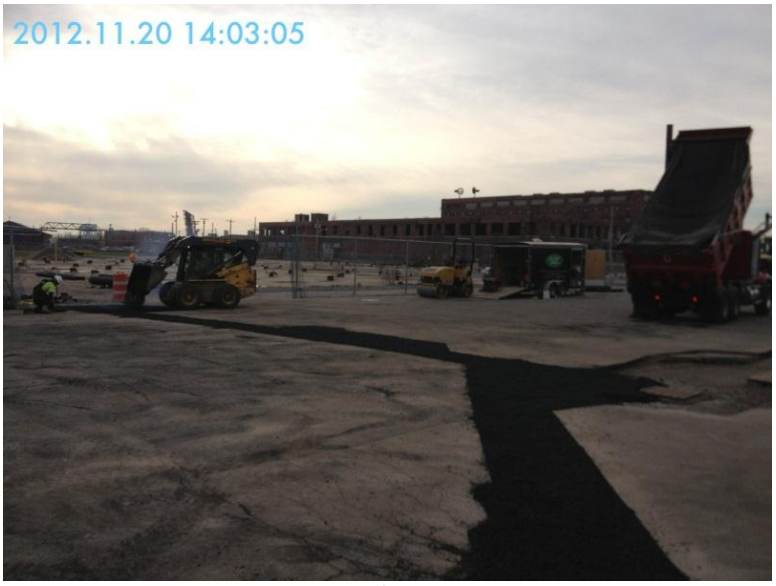
## LANDSCAPE PHOTO LOG

Armor Trench Spoils

CB-E Install


CB-G Install

## LANDSCAPE PHOTO LOG




DMH-E16 Pavement


Pavement Complete

Hard Spoils

## LANDSCAPE PHOTO LOG

Soil Spoils

**Attachment A**
**City of Buffalo Building Permit**

Byron W. Brown, Mayor

# BUILDING PERMIT

Department of Permit & Inspection Services

*.... Building a Better Buffalo*



**Application Type:** PLUMB-GC

**Please contact the Inspector at (716)851-4949 or at the number listed below prior to starting any work.**

**Application/Permit No.:** 188743

**Location:** 343 ELK

**Owner:** Two(2) primary owners found

**Issue Date:** 11/27/2012

**Issued By:** DVIRGIL

**Fee(s):** $ 214.00

**License No.:** 174935

**License Type:** PLU

**Value:** $0.00

**Plans:** No

**Contractor:** JOHN W. DANFORTH COMPANY

**SBL No.:** 1221200001009121

**Land Use:** 710 - MANUFACTURING AND PROCESSING

**Census Track:** 163.00

**Inspector:**

**Description of Work:** PLAN SITE STORM SYSTEM 12,800 SQ.FT.

James Comerford Jr.

Commissioner, Dept of Economic Development

*Thank you for investing in the City of Buffalo*

AND AS SHOWN ON APPLICATION NUMBERED ABOVE. WHICH APPLICATION IS MADE PART OF THIS PERMIT.
*** ALL GENERAL CONTRACTORS AND SUB-CONTRACTORS MUST CARRY A CITY LICENSE ***
ALL WORK PERFORMED AND ANY ASSOCIATED PLANS SUBMITTED FOR THE ISSUANCE OF THIS PERMIT, SHALL COMPLY WITH ALL APPLICABLE STATE AND LOCAL CODES, ORDINANCES AND REGULATIONS.
THIS PERMIT IS VOID IF FOUND TO BE ISSUED IN VIOLATION OF ANY LAW OR ORDINANCE AND CONDITIONS STATED ABOVE.

**THIS PERMIT MUST BE DISPLAYED WHERE IT IS VISIBLE FROM THE STREET**

Signature of Contact/Contractor _____ Date: 11/28/2012

Apply for your next Building Permit Online at
http://www.city-buffalo.com

**Attachment B**
**Buffalo Sewer Authority Temporary Discharge Permit**

**Permit No.: 12-11-TP189**

**EPA CATEGORY 40 CFR 403**
**Expiration Date: May 31, 2013**
**Date Paid: November 13, 2012**

# BUFFALO SEWER AUTHORITY

# TEMPORARY DISCHARGE PERMIT

**Permittee: Ontario Specialty Contracting, Inc.**
**Location Address: 333 Ganson Street, Buffalo, New York, 14203**

The above named Permittee is hereby approved to discharge **carbon treated groundwater** to the sanitary or combined sewer only, from:

**Armor Electric Motor and Crane Services, 343 Elk Street, Buffalo, New York 14210**

to the Buffalo Sewer Authority facilities in accordance with the Buffalo Sewer Authority Regulations, Article VI, Section 14, and subject to the following conditions:

## ARTICLE 1 CONDITIONS OF ACCEPTANCE

The discharge of the approved waste by the Permittee shall be subject to the following conditions:

a. Times, Location & Rate

The following location is designated for discharge during the hours listed and subject to the limit for rate of discharge specified:

Location: (see attached map)

Time Discharge is Permitted: 24 hours per day, Monday thru Sunday

**Limit on Rate of Discharge: 15 gallons per minute, dry weather only.**

b. Operations

The Permittee shall maintain cleanliness, minimize odors and protect the Buffalo Sewer Authority facilities during the permittee's operations. The Permittee shall not permit any condition to arise which may pose a threat to public health or safety.

c. Samples and Analyses

The Buffalo Sewer Authority may from time to time, require the Permittee to sample and analyze its waste discharges. Such sampling and analyses shall be performed and results submitted by a New York State Dept. of Health certified laboratory. The analyses required shall be as specified by the Buffalo Sewer Authority, which also reserves the right, at its convenience, to sample wastes discharged by the Permittee.

d. Refusal to Discharge

The Buffalo Sewer Authority may refuse the Permittee permission to discharge wastes at any time and for any reason whatsoever, for the protection of sewer facilities against damage or flooding; to assure the proper operation and maintenance of said facilities; or to protect public health, safety or welfare.

e. Local Limits

Except as otherwise specified in this permit, the permit holder shall comply with all specific prohibitions, limits on pollutants or pollutant parameters set forth in the Buffalo Sewer Authority Sewer Use Regulations, as amended from time to time, and such prohibitions, limits and parameters shall be deemed pretreatment standards for purposes for the Clean Water Act.

## ARTICLE 2 REGULATIONS

The Permittee must conform to all Buffalo Sewer Authority regulations and appropriate Federal, State and County Statutes, rules, mandates, directives, and orders concerning the collection, transportation, treatment and disposal of wastewaters.

## ARTICLE 3 INSURANCE AND INDEMNIFICATION

The Permittee, agrees to indemnify and hold harmless the Buffalo Sewer Authority and its agents and employees against any and all claims resulting from work performed under this permit. The permittee shall be solely responsible for any and all injury or damage to its employees or property arising from use of Buffalo Sewer Authority facilities under this permit.

In the event of any alteration, non-renewal or cancellation of these policies, at least (45) forty-five days advance notice shall be given to the Industrial Waste Section, Bird Island Treatment Plant, 90 West Ferry Street, Buffalo, New York 14213 - before such change shall be effective.

## ARTICLE 4 TERMINATION FOR VIOLATION OF AGREEMENT

In the event of a violation of any of the terms and conditions of this permit by the Permittee or upon the failure to pay the charges herein specified, the Buffalo Sewer Authority shall terminate the permit by service of notice of termination by registered mail at the Permittee's office address as set forth above.

## ARTICLE 5 PERMITTEE APPROVAL

Official Andrew Madden (Print Name) Title Project Manager (Print)

Signature [signature] Date 11-14-2012

## ARTICLE 6 BUFFALO SEWER AUTHORITY APPROVAL

Approved as to Content:

Signature [signature] Date 11/14/2012
Industrial Waste Administrator

Effective this 13th day of November, 2012

[signature]
General Manager
Buffalo Sewer Authority

**Attachment C**
**Armor Electric Storm Sewer Trench Spoils Analytical Results**

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

# ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-29541-1
Client Project/Site: OSC- Former Buffalo Color Sites

For:
Ontario Specialty Contracting, Inc.
333 Ganson St.
Buffalo, New York 14203

Attn: Andrew Madden

*Authorized for release by:*
*12/14/2012 1:36:46 PM*
Robert Wienke
Project Administrator
robert.wienke@testamericainc.com

Designee for

John Schove
Project Manager I
john.schove@testamericainc.com

# Table of Contents

# Definitions/Glossary

Client: Ontario Specialty Contracting, Inc.
Project/Site: OSC- Former Buffalo Color Sites

TestAmerica Job ID: 480-29541-1

## Qualifiers

### GC Semi VOA

| Qualifier | Qualifier Description |
|---|---|
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

### Metals

| Qualifier | Qualifier Description |
|---|---|
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| B | Compound was found in the blank and sample. |

## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ☼ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CNF | Contains no Free Liquid |
| DER | Duplicate error ratio (normalized absolute difference) |
| DL, RA, RE, IN | Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision level concentration |
| EDL | Estimated Detection Limit |
| EPA | United States Environmental Protection Agency |
| MDA | Minimum detectable activity |
| MDC | Minimum detectable concentration |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| ND | Not detected at the reporting limit (or MDL or EDL if shown) |
| PQL | Practical Quantitation Limit |
| QC | Quality Control |
| RER | Relative error ratio |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |

## Job ID: 480-29541-1

### Laboratory: TestAmerica Buffalo

**Narrative**

**Job Narrative**
**480-29541-1**

**Receipt**
The samples were received on 12/4/2012 3:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 2.8º C, 3.2º C and 3.6º C.

**GC/MS VOA**
Method(s) 8260B: The following sample(s) was diluted due to the nature of the TCLP sample matrix: (LB 480-94515/1-A), BCP_AREA_E_ARMOR_PROFILE_20121203 (480-29541-1). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

**GC/MS Semi VOA**
No analytical or quality issues were noted.

**GC Semi VOA**
Method(s) 8082: The following sample contained more than one Aroclor component: BCP_AREA_E_ARMOR_PROFILE_20121203 (480-29541-1). Results are estimated due to shared peaks.

Method(s) 8082: The continuing calibration verification (CCV) for surrogate Decachlorobiphenly associated with batch 94713 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data has been reported.

Method(s) 8082: The continuing calibration verification (CCV) for surrogate Decachlorobiphenyl associated with batch 94713 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data has been reported.

No other analytical or quality issues were noted.

**Metals**
Method(s) 6010B: The TCLP Extractor Blank, LB 480-94393, contained total barium above the reporting limit (RL). The associated sample BCP_AREA_E_ARMOR_PROFILE_20121203 (480-29541-1) contained a detect for this analyte at a concentration greater than 10X the value found in the TCLP Extractor Blank; therefore, re-extraction and/or re-analysis of the sample was not performed.

No other analytical or quality issues were noted.

**Organic Prep**
No analytical or quality issues were noted.

# Detection Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: OSC- Former Buffalo Color Sites

TestAmerica Job ID: 480-29541-1

**Client Sample ID:**
**BCP_AREA_E_ARMOR_PROFILE_20121203**

**Lab Sample ID: 480-29541-1**

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1248 | 0.29 | | 0.29 | 0.056 | mg/Kg | 1 | ☼ | 8082 | Total/NA |
| PCB-1254 | 0.17 | J | 0.29 | 0.13 | mg/Kg | 1 | ☼ | 8082 | Total/NA |
| Barium | 0.98 | B | 0.0020 | 0.00070 | mg/L | 1 | | 6010B | TCLP |
| Cadmium | 0.061 | | 0.0010 | 0.00050 | mg/L | 1 | | 6010B | TCLP |
| Chromium | 0.0065 | | 0.0040 | 0.0010 | mg/L | 1 | | 6010B | TCLP |
| Lead | 0.061 | | 0.0050 | 0.0030 | mg/L | 1 | | 6010B | TCLP |
| Mercury | 0.00014 | J | 0.00020 | 0.00012 | mg/L | 1 | | 7470A | TCLP |

Client: Ontario Specialty Contracting, Inc.
Project/Site: OSC- Former Buffalo Color Sites

TestAmerica Job ID: 480-29541-1

**Client Sample ID:** BCP_AREA_E_ARMOR_PROFILE_20121203
**Lab Sample ID:** 480-29541-1
**Date Collected:** 12/03/12 15:00
**Date Received:** 12/04/12 15:30
**Matrix:** Solid

### Method: 8260B - TCLP Volatiles - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | ND | | 0.010 | 0.0029 | mg/L | | | 12/10/12 12:20 | 10 |
| 1,2-Dichloroethane | ND | | 0.010 | 0.0021 | mg/L | | | 12/10/12 12:20 | 10 |
| 2-Butanone (MEK) | ND | | 0.050 | 0.013 | mg/L | | | 12/10/12 12:20 | 10 |
| Benzene | ND | | 0.010 | 0.0041 | mg/L | | | 12/10/12 12:20 | 10 |
| Carbon tetrachloride | ND | | 0.010 | 0.0027 | mg/L | | | 12/10/12 12:20 | 10 |
| Chlorobenzene | ND | | 0.010 | 0.0075 | mg/L | | | 12/10/12 12:20 | 10 |
| Chloroform | ND | | 0.010 | 0.0034 | mg/L | | | 12/10/12 12:20 | 10 |
| Tetrachloroethene | ND | | 0.010 | 0.0036 | mg/L | | | 12/10/12 12:20 | 10 |
| Trichloroethene | ND | | 0.010 | 0.0046 | mg/L | | | 12/10/12 12:20 | 10 |
| Vinyl chloride | ND | | 0.010 | 0.0090 | mg/L | | | 12/10/12 12:20 | 10 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *91* | | *66 - 137* | | *12/10/12 12:20* | *10* |
| *4-Bromofluorobenzene (Surr)* | *86* | | *73 - 120* | | *12/10/12 12:20* | *10* |
| *Toluene-d8 (Surr)* | *94* | | *71 - 126* | | *12/10/12 12:20* | *10* |

### Method: 8270C - TCLP Semivolatiles - TCLP

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dichlorobenzene | ND | | 0.010 | 0.00046 | mg/L | | 12/10/12 16:55 | 12/11/12 19:19 | 1 |
| 2,4,5-Trichlorophenol | ND | | 0.0050 | 0.00048 | mg/L | | 12/10/12 16:55 | 12/11/12 19:19 | 1 |
| 2,4,6-Trichlorophenol | ND | | 0.0050 | 0.00061 | mg/L | | 12/10/12 16:55 | 12/11/12 19:19 | 1 |
| 2,4-Dinitrotoluene | ND | | 0.0050 | 0.00045 | mg/L | | 12/10/12 16:55 | 12/11/12 19:19 | 1 |
| 2-Methylphenol | ND | | 0.0050 | 0.00040 | mg/L | | 12/10/12 16:55 | 12/11/12 19:19 | 1 |
| 3-Methylphenol | ND | | 0.010 | 0.00040 | mg/L | | 12/10/12 16:55 | 12/11/12 19:19 | 1 |
| 4-Methylphenol | ND | | 0.010 | 0.00036 | mg/L | | 12/10/12 16:55 | 12/11/12 19:19 | 1 |
| Hexachlorobenzene | ND | | 0.0050 | 0.00051 | mg/L | | 12/10/12 16:55 | 12/11/12 19:19 | 1 |
| Hexachlorobutadiene | ND | | 0.0050 | 0.00068 | mg/L | | 12/10/12 16:55 | 12/11/12 19:19 | 1 |
| Hexachloroethane | ND | | 0.0050 | 0.00059 | mg/L | | 12/10/12 16:55 | 12/11/12 19:19 | 1 |
| Nitrobenzene | ND | | 0.0050 | 0.00029 | mg/L | | 12/10/12 16:55 | 12/11/12 19:19 | 1 |
| Pentachlorophenol | ND | | 0.010 | 0.0022 | mg/L | | 12/10/12 16:55 | 12/11/12 19:19 | 1 |
| Pyridine | ND | | 0.025 | 0.00041 | mg/L | | 12/10/12 16:55 | 12/11/12 19:19 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2,4,6-Tribromophenol* | *102* | | *52 - 132* | *12/10/12 16:55* | *12/11/12 19:19* | *1* |
| *2-Fluorobiphenyl* | *84* | | *48 - 120* | *12/10/12 16:55* | *12/11/12 19:19* | *1* |
| *2-Fluorophenol* | *35* | | *20 - 120* | *12/10/12 16:55* | *12/11/12 19:19* | *1* |
| *Nitrobenzene-d5* | *80* | | *46 - 120* | *12/10/12 16:55* | *12/11/12 19:19* | *1* |
| *Phenol-d5* | *31* | | *16 - 120* | *12/10/12 16:55* | *12/11/12 19:19* | *1* |
| *p-Terphenyl-d14* | *102* | | *67 - 150* | *12/10/12 16:55* | *12/11/12 19:19* | *1* |

### Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1016 | ND | | 0.29 | 0.056 | mg/Kg | ☼ | 12/06/12 16:58 | 12/08/12 20:46 | 1 |
| PCB-1221 | ND | | 0.29 | 0.056 | mg/Kg | ☼ | 12/06/12 16:58 | 12/08/12 20:46 | 1 |
| PCB-1232 | ND | | 0.29 | 0.056 | mg/Kg | ☼ | 12/06/12 16:58 | 12/08/12 20:46 | 1 |
| PCB-1242 | ND | | 0.29 | 0.056 | mg/Kg | ☼ | 12/06/12 16:58 | 12/08/12 20:46 | 1 |
| **PCB-1248** | **0.29** | | 0.29 | 0.056 | mg/Kg | ☼ | 12/06/12 16:58 | 12/08/12 20:46 | 1 |
| **PCB-1254** | **0.17** | **J** | 0.29 | 0.13 | mg/Kg | ☼ | 12/06/12 16:58 | 12/08/12 20:46 | 1 |
| PCB-1260 | ND | | 0.29 | 0.13 | mg/Kg | ☼ | 12/06/12 16:58 | 12/08/12 20:46 | 1 |

TestAmerica Buffalo

Client: Ontario Specialty Contracting, Inc.
Project/Site: OSC- Former Buffalo Color Sites

TestAmerica Job ID: 480-29541-1

**Client Sample ID:** BCP_AREA_E_ARMOR_PROFILE_20121203

**Lab Sample ID: 480-29541-1**

**Date Collected: 12/03/12 15:00**

**Matrix: Solid**

**Date Received: 12/04/12 15:30**

**Percent Solids: 82.1**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *DCB Decachlorobiphenyl* | *139* | | *36 - 182* | *12/06/12 16:58* | *12/08/12 20:46* | *1* |
| *Tetrachloro-m-xylene* | *113* | | *24 - 172* | *12/06/12 16:58* | *12/08/12 20:46* | *1* |

**Method: 6010B - TCLP RCRA Metals - TCLP**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | ND | | 0.010 | 0.0056 | mg/L | | 12/07/12 12:50 | 12/10/12 15:58 | 1 |
| **Barium** | **0.98** | **B** | 0.0020 | 0.00070 | mg/L | | 12/07/12 12:50 | 12/10/12 15:58 | 1 |
| **Cadmium** | **0.061** | | 0.0010 | 0.00050 | mg/L | | 12/07/12 12:50 | 12/10/12 15:58 | 1 |
| **Chromium** | **0.0065** | | 0.0040 | 0.0010 | mg/L | | 12/07/12 12:50 | 12/10/12 15:58 | 1 |
| **Lead** | **0.061** | | 0.0050 | 0.0030 | mg/L | | 12/07/12 12:50 | 12/10/12 15:58 | 1 |
| Selenium | ND | | 0.015 | 0.0087 | mg/L | | 12/07/12 12:50 | 12/10/12 15:58 | 1 |
| Silver | ND | | 0.0030 | 0.0017 | mg/L | | 12/07/12 12:50 | 12/10/12 15:58 | 1 |

**Method: 7470A - TCLP Mercury - TCLP**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Mercury** | **0.00014** | **J** | 0.00020 | 0.00012 | mg/L | | 12/07/12 13:30 | 12/07/12 16:19 | 1 |

# Surrogate Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: OSC- Former Buffalo Color Sites

TestAmerica Job ID: 480-29541-1

## Method: 8260B - TCLP Volatiles

**Matrix: Solid** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | |
|---|---|---|---|---|
| | | 12DCE | BFB | TOL |
| Lab Sample ID | Client Sample ID | (66-137) | (73-120) | (71-126) |
| LCS 480-94955/3 | Lab Control Sample | 92 | 87 | 92 |
| MB 480-94955/4 | Method Blank | 92 | 88 | 94 |

**Surrogate Legend**

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)

## Method: 8260B - TCLP Volatiles

**Matrix: Solid** **Prep Type: TCLP**

| | | Percent Surrogate Recovery (Acceptance Limits) | | |
|---|---|---|---|---|
| | | 12DCE | BFB | TOL |
| Lab Sample ID | Client Sample ID | (66-137) | (73-120) | (71-126) |
| 480-29541-1 | BCP_AREA_E_ARMOR_PROFILE_ | 91 | 86 | 94 |
| LB 480-94515/1-A LB | Method Blank | 90 | 87 | 95 |

**Surrogate Legend**

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)

## Method: 8270C - TCLP Semivolatiles

**Matrix: Solid** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | | | |
|---|---|---|---|---|---|---|---|
| | | TBP | FBP | 2FP | NBZ | PHL | TPH |
| Lab Sample ID | Client Sample ID | (52-132) | (48-120) | (20-120) | (46-120) | (16-120) | (67-150) |
| LCS 480-95069/2-A | Lab Control Sample | 109 | 97 | 42 | 92 | 37 | 108 |
| MB 480-95069/1-A | Method Blank | 105 | 92 | 41 | 88 | 34 | 110 |

**Surrogate Legend**

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPH = p-Terphenyl-d14

## Method: 8270C - TCLP Semivolatiles

**Matrix: Solid** **Prep Type: TCLP**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | | | |
|---|---|---|---|---|---|---|---|
| | | TBP | FBP | 2FP | NBZ | PHL | TPH |
| Lab Sample ID | Client Sample ID | (52-132) | (48-120) | (20-120) | (46-120) | (16-120) | (67-150) |
| 480-29541-1 | BCP_AREA_E_ARMOR_PROFILE_ | 102 | 84 | 35 | 80 | 31 | 102 |

**Surrogate Legend**

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol

# Surrogate Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: OSC- Former Buffalo Color Sites

TestAmerica Job ID: 480-29541-1

NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPH = p-Terphenyl-d14

## Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

**Matrix: Solid** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DCB2 | TCX2 | | | | | | | | | | |
| Lab Sample ID | Client Sample ID | (36-182) | (24-172) | | | | | | | | | | |
| 480-29541-1 | BCP_AREA_E_ARMOR_PROFILE_ | 139 | 113 | | | | | | | | | | |
| LCS 480-94541/2-A | Lab Control Sample | 162 | 47 | | | | | | | | | | |
| MB 480-94541/1-A | Method Blank | 137 | 113 | | | | | | | | | | |

**Surrogate Legend**

DCB = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

## Method: 8260B - TCLP Volatiles

**Lab Sample ID: MB 480-94955/4**
**Matrix: Solid**
**Analysis Batch: 94955**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | ND | | 0.0010 | 0.00029 | mg/L | | | 12/10/12 10:26 | 1 |
| 1,2-Dichloroethane | ND | | 0.0010 | 0.00021 | mg/L | | | 12/10/12 10:26 | 1 |
| 2-Butanone (MEK) | ND | | 0.0050 | 0.0013 | mg/L | | | 12/10/12 10:26 | 1 |
| Benzene | ND | | 0.0010 | 0.00041 | mg/L | | | 12/10/12 10:26 | 1 |
| Carbon tetrachloride | ND | | 0.0010 | 0.00027 | mg/L | | | 12/10/12 10:26 | 1 |
| Chlorobenzene | ND | | 0.0010 | 0.00075 | mg/L | | | 12/10/12 10:26 | 1 |
| Chloroform | ND | | 0.0010 | 0.00034 | mg/L | | | 12/10/12 10:26 | 1 |
| Tetrachloroethene | ND | | 0.0010 | 0.00036 | mg/L | | | 12/10/12 10:26 | 1 |
| Trichloroethene | ND | | 0.0010 | 0.00046 | mg/L | | | 12/10/12 10:26 | 1 |
| Vinyl chloride | ND | | 0.0010 | 0.00090 | mg/L | | | 12/10/12 10:26 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *92* | | *66 - 137* | | *12/10/12 10:26* | *1* |
| *4-Bromofluorobenzene (Surr)* | *88* | | *73 - 120* | | *12/10/12 10:26* | *1* |
| *Toluene-d8 (Surr)* | *94* | | *71 - 126* | | *12/10/12 10:26* | *1* |

**Lab Sample ID: LCS 480-94955/3**
**Matrix: Solid**
**Analysis Batch: 94955**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | | | 0.0250 | 0.0198 | | mg/L | | 79 | 58 - 121 | | |
| 1,2-Dichloroethane | | | 0.0250 | 0.0227 | | mg/L | | 91 | 75 - 127 | | |
| Benzene | | | 0.0250 | 0.0228 | | mg/L | | 91 | 71 - 124 | | |
| Chlorobenzene | | | 0.0250 | 0.0229 | | mg/L | | 92 | 72 - 120 | | |
| Tetrachloroethene | | | 0.0250 | 0.0198 | | mg/L | | 79 | 74 - 122 | | |
| Trichloroethene | | | 0.0250 | 0.0223 | | mg/L | | 89 | 74 - 123 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *92* | | *66 - 137* |
| *4-Bromofluorobenzene (Surr)* | *87* | | *73 - 120* |
| *Toluene-d8 (Surr)* | *92* | | *71 - 126* |

**Lab Sample ID: LB 480-94515/1-A LB**
**Matrix: Solid**
**Analysis Batch: 94955**

**Client Sample ID: Method Blank**
**Prep Type: TCLP**

| Analyte | LB Result | LB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | ND | | 0.010 | 0.0029 | mg/L | | | 12/10/12 11:25 | 10 |
| 1,2-Dichloroethane | ND | | 0.010 | 0.0021 | mg/L | | | 12/10/12 11:25 | 10 |
| 2-Butanone (MEK) | ND | | 0.050 | 0.013 | mg/L | | | 12/10/12 11:25 | 10 |
| Benzene | ND | | 0.010 | 0.0041 | mg/L | | | 12/10/12 11:25 | 10 |
| Carbon tetrachloride | ND | | 0.010 | 0.0027 | mg/L | | | 12/10/12 11:25 | 10 |
| Chlorobenzene | ND | | 0.010 | 0.0075 | mg/L | | | 12/10/12 11:25 | 10 |
| Chloroform | ND | | 0.010 | 0.0034 | mg/L | | | 12/10/12 11:25 | 10 |
| Tetrachloroethene | ND | | 0.010 | 0.0036 | mg/L | | | 12/10/12 11:25 | 10 |
| Trichloroethene | ND | | 0.010 | 0.0046 | mg/L | | | 12/10/12 11:25 | 10 |

## Method: 8260B - TCLP Volatiles (Continued)

**Lab Sample ID: LB 480-94515/1-A LB**
**Matrix: Solid**
**Analysis Batch: 94955**

**Client Sample ID: Method Blank**
**Prep Type: TCLP**

| Analyte | LB Result | LB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl chloride | ND | | 0.010 | 0.0090 | mg/L | | | 12/10/12 11:25 | 10 |

| *Surrogate* | *LB %Recovery* | *LB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *90* | | *66 - 137* | | *12/10/12 11:25* | *10* |
| *4-Bromofluorobenzene (Surr)* | *87* | | *73 - 120* | | *12/10/12 11:25* | *10* |
| *Toluene-d8 (Surr)* | *95* | | *71 - 126* | | *12/10/12 11:25* | *10* |

## Method: 8270C - TCLP Semivolatiles

**Lab Sample ID: MB 480-95069/1-A**
**Matrix: Solid**
**Analysis Batch: 95193**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 95069**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dichlorobenzene | ND | | 0.0025 | 0.00012 | mg/L | | 12/10/12 16:55 | 12/11/12 11:16 | 1 |
| 2,4,5-Trichlorophenol | ND | | 0.0013 | 0.00012 | mg/L | | 12/10/12 16:55 | 12/11/12 11:16 | 1 |
| 2,4,6-Trichlorophenol | ND | | 0.0013 | 0.00015 | mg/L | | 12/10/12 16:55 | 12/11/12 11:16 | 1 |
| 2,4-Dinitrotoluene | ND | | 0.0013 | 0.00011 | mg/L | | 12/10/12 16:55 | 12/11/12 11:16 | 1 |
| 2-Methylphenol | ND | | 0.0013 | 0.00010 | mg/L | | 12/10/12 16:55 | 12/11/12 11:16 | 1 |
| 3-Methylphenol | ND | | 0.0025 | 0.00010 | mg/L | | 12/10/12 16:55 | 12/11/12 11:16 | 1 |
| 4-Methylphenol | ND | | 0.0025 | 0.000090 | mg/L | | 12/10/12 16:55 | 12/11/12 11:16 | 1 |
| Hexachlorobenzene | ND | | 0.0013 | 0.00013 | mg/L | | 12/10/12 16:55 | 12/11/12 11:16 | 1 |
| Hexachlorobutadiene | ND | | 0.0013 | 0.00017 | mg/L | | 12/10/12 16:55 | 12/11/12 11:16 | 1 |
| Hexachloroethane | ND | | 0.0013 | 0.00015 | mg/L | | 12/10/12 16:55 | 12/11/12 11:16 | 1 |
| Nitrobenzene | ND | | 0.0013 | 0.000073 | mg/L | | 12/10/12 16:55 | 12/11/12 11:16 | 1 |
| Pentachlorophenol | ND | | 0.0025 | 0.00055 | mg/L | | 12/10/12 16:55 | 12/11/12 11:16 | 1 |
| Pyridine | ND | | 0.0063 | 0.00010 | mg/L | | 12/10/12 16:55 | 12/11/12 11:16 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2,4,6-Tribromophenol* | *105* | | *52 - 132* | *12/10/12 16:55* | *12/11/12 11:16* | *1* |
| *2-Fluorobiphenyl* | *92* | | *48 - 120* | *12/10/12 16:55* | *12/11/12 11:16* | *1* |
| *2-Fluorophenol* | *41* | | *20 - 120* | *12/10/12 16:55* | *12/11/12 11:16* | *1* |
| *Nitrobenzene-d5* | *88* | | *46 - 120* | *12/10/12 16:55* | *12/11/12 11:16* | *1* |
| *Phenol-d5* | *34* | | *16 - 120* | *12/10/12 16:55* | *12/11/12 11:16* | *1* |
| *p-Terphenyl-d14* | *110* | | *67 - 150* | *12/10/12 16:55* | *12/11/12 11:16* | *1* |

**Lab Sample ID: LCS 480-95069/2-A**
**Matrix: Solid**
**Analysis Batch: 95193**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 95069**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| 1,4-Dichlorobenzene | 0.0500 | 0.0348 | | mg/L | | 70 | 32 - 120 |
| 2,4-Dinitrotoluene | 0.0500 | 0.0517 | | mg/L | | 103 | 65 - 154 |
| Hexachloroethane | 0.0500 | 0.0317 | | mg/L | | 63 | 14 - 101 |
| Pentachlorophenol | 0.0500 | 0.0485 | | mg/L | | 97 | 39 - 136 |

## Method: 8270C - TCLP Semivolatiles (Continued)

**Lab Sample ID: LCS 480-95069/2-A**
**Matrix: Solid**
**Analysis Batch: 95193**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 95069**

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *2,4,6-Tribromophenol* | *109* | | *52 - 132* |
| *2-Fluorobiphenyl* | *97* | | *48 - 120* |
| *2-Fluorophenol* | *42* | | *20 - 120* |
| *Nitrobenzene-d5* | *92* | | *46 - 120* |
| *Phenol-d5* | *37* | | *16 - 120* |
| *p-Terphenyl-d14* | *108* | | *67 - 150* |

## Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

**Lab Sample ID: MB 480-94541/1-A**
**Matrix: Solid**
**Analysis Batch: 94356**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 94541**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1016 | ND | | 0.19 | 0.037 | mg/Kg | | 12/06/12 16:57 | 12/07/12 06:45 | 1 |
| PCB-1221 | ND | | 0.19 | 0.037 | mg/Kg | | 12/06/12 16:57 | 12/07/12 06:45 | 1 |
| PCB-1232 | ND | | 0.19 | 0.037 | mg/Kg | | 12/06/12 16:57 | 12/07/12 06:45 | 1 |
| PCB-1242 | ND | | 0.19 | 0.037 | mg/Kg | | 12/06/12 16:57 | 12/07/12 06:45 | 1 |
| PCB-1248 | ND | | 0.19 | 0.037 | mg/Kg | | 12/06/12 16:57 | 12/07/12 06:45 | 1 |
| PCB-1254 | ND | | 0.19 | 0.088 | mg/Kg | | 12/06/12 16:57 | 12/07/12 06:45 | 1 |
| PCB-1260 | ND | | 0.19 | 0.088 | mg/Kg | | 12/06/12 16:57 | 12/07/12 06:45 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *DCB Decachlorobiphenyl* | *137* | | *36 - 182* | *12/06/12 16:57* | *12/07/12 06:45* | *1* |
| *Tetrachloro-m-xylene* | *113* | | *24 - 172* | *12/06/12 16:57* | *12/07/12 06:45* | *1* |

**Lab Sample ID: LCS 480-94541/2-A**
**Matrix: Solid**
**Analysis Batch: 94356**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 94541**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| PCB-1016 | 1.78 | 2.14 | | mg/Kg | | 120 | 51 - 185 |
| PCB-1260 | 1.78 | 2.25 | | mg/Kg | | 126 | 61 - 184 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *DCB Decachlorobiphenyl* | *162* | | *36 - 182* |
| *Tetrachloro-m-xylene* | *47* | | *24 - 172* |

## Method: 6010B - TCLP RCRA Metals

**Lab Sample ID: MB 480-94707/2-A**
**Matrix: Solid**
**Analysis Batch: 95151**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 94707**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | ND | | 0.010 | 0.0056 | mg/L | | 12/07/12 12:50 | 12/10/12 15:51 | 1 |
| Barium | ND | | 0.0020 | 0.00070 | mg/L | | 12/07/12 12:50 | 12/10/12 15:51 | 1 |

## Method: 6010B - TCLP RCRA Metals (Continued)

**Lab Sample ID: MB 480-94707/2-A**
**Matrix: Solid**
**Analysis Batch: 95151**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 94707**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cadmium | ND | | 0.0010 | 0.00050 | mg/L | | 12/07/12 12:50 | 12/10/12 15:51 | 1 |
| Chromium | ND | | 0.0040 | 0.0010 | mg/L | | 12/07/12 12:50 | 12/10/12 15:51 | 1 |
| Lead | ND | | 0.0050 | 0.0030 | mg/L | | 12/07/12 12:50 | 12/10/12 15:51 | 1 |
| Selenium | ND | | 0.015 | 0.0087 | mg/L | | 12/07/12 12:50 | 12/10/12 15:51 | 1 |
| Silver | ND | | 0.0030 | 0.0017 | mg/L | | 12/07/12 12:50 | 12/10/12 15:51 | 1 |

**Lab Sample ID: LCS 480-94707/3-A**
**Matrix: Solid**
**Analysis Batch: 95151**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 94707**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Arsenic | 0.200 | 0.208 | | mg/L | | 104 | 80 - 120 |
| Barium | 0.200 | 0.219 | | mg/L | | 110 | 80 - 120 |
| Cadmium | 0.200 | 0.199 | | mg/L | | 100 | 80 - 120 |
| Chromium | 0.200 | 0.198 | | mg/L | | 99 | 80 - 120 |
| Lead | 0.200 | 0.199 | | mg/L | | 99 | 80 - 120 |
| Selenium | 0.200 | 0.206 | | mg/L | | 103 | 80 - 120 |
| Silver | 0.0500 | 0.0523 | | mg/L | | 105 | 80 - 120 |

**Lab Sample ID: LB 480-94393/1-B LB**
**Matrix: Solid**
**Analysis Batch: 95151**

**Client Sample ID: Method Blank**
**Prep Type: TCLP**
**Prep Batch: 94707**

| Analyte | LB Result | LB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | ND | | 0.010 | 0.0056 | mg/L | | 12/07/12 12:50 | 12/10/12 15:44 | 1 |
| Barium | 0.0385 | | 0.0020 | 0.00070 | mg/L | | 12/07/12 12:50 | 12/10/12 15:44 | 1 |
| Cadmium | ND | | 0.0010 | 0.00050 | mg/L | | 12/07/12 12:50 | 12/10/12 15:44 | 1 |
| Chromium | ND | | 0.0040 | 0.0010 | mg/L | | 12/07/12 12:50 | 12/10/12 15:44 | 1 |
| Lead | ND | | 0.0050 | 0.0030 | mg/L | | 12/07/12 12:50 | 12/10/12 15:44 | 1 |
| Selenium | ND | | 0.015 | 0.0087 | mg/L | | 12/07/12 12:50 | 12/10/12 15:44 | 1 |
| Silver | ND | | 0.0030 | 0.0017 | mg/L | | 12/07/12 12:50 | 12/10/12 15:44 | 1 |

## Method: 7470A - TCLP Mercury

**Lab Sample ID: MB 480-94715/2-A**
**Matrix: Solid**
**Analysis Batch: 94926**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 94715**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.00020 | 0.00012 | mg/L | | 12/07/12 13:30 | 12/07/12 16:10 | 1 |

**Lab Sample ID: LCS 480-94715/3-A**
**Matrix: Solid**
**Analysis Batch: 94926**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 94715**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Mercury | 0.00668 | 0.00582 | | mg/L | | 87 | 80 - 120 |

## Method: 7470A - TCLP Mercury (Continued)

**Lab Sample ID: LB 480-94393/1-C LB**
**Matrix: Solid**
**Analysis Batch: 94926**

**Client Sample ID: Method Blank**
**Prep Type: TCLP**
**Prep Batch: 94715**

| Analyte | LB Result | LB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.00020 | 0.00012 | mg/L | | 12/07/12 13:30 | 12/07/12 16:08 | 1 |

## GC/MS VOA

### Leach Batch: 94515

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-29541-1 | BCP_AREA_E_ARMOR_PROFILE_20121203 | TCLP | Solid | 1311 | |
| LB 480-94515/1-A LB | Method Blank | TCLP | Solid | 1311 | |

### Analysis Batch: 94955

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-29541-1 | BCP_AREA_E_ARMOR_PROFILE_20121203 | TCLP | Solid | 8260B | 94515 |
| LB 480-94515/1-A LB | Method Blank | TCLP | Solid | 8260B | 94515 |
| LCS 480-94955/3 | Lab Control Sample | Total/NA | Solid | 8260B | |
| MB 480-94955/4 | Method Blank | Total/NA | Solid | 8260B | |

## GC/MS Semi VOA

### Leach Batch: 94393

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-29541-1 | BCP_AREA_E_ARMOR_PROFILE_20121203 | TCLP | Solid | 1311 | |

### Prep Batch: 95069

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-29541-1 | BCP_AREA_E_ARMOR_PROFILE_20121203 | TCLP | Solid | 3510C | 94393 |
| LCS 480-95069/2-A | Lab Control Sample | Total/NA | Solid | 3510C | |
| MB 480-95069/1-A | Method Blank | Total/NA | Solid | 3510C | |

### Analysis Batch: 95193

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-29541-1 | BCP_AREA_E_ARMOR_PROFILE_20121203 | TCLP | Solid | 8270C | 95069 |
| LCS 480-95069/2-A | Lab Control Sample | Total/NA | Solid | 8270C | 95069 |
| MB 480-95069/1-A | Method Blank | Total/NA | Solid | 8270C | 95069 |

## GC Semi VOA

### Analysis Batch: 94356

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| LCS 480-94541/2-A | Lab Control Sample | Total/NA | Solid | 8082 | 94541 |
| MB 480-94541/1-A | Method Blank | Total/NA | Solid | 8082 | 94541 |

### Prep Batch: 94541

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-29541-1 | BCP_AREA_E_ARMOR_PROFILE_20121203 | Total/NA | Solid | 3550B | |
| LCS 480-94541/2-A | Lab Control Sample | Total/NA | Solid | 3550B | |
| MB 480-94541/1-A | Method Blank | Total/NA | Solid | 3550B | |

### Analysis Batch: 94713

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-29541-1 | BCP_AREA_E_ARMOR_PROFILE_20121203 | Total/NA | Solid | 8082 | 94541 |

## Metals

### Leach Batch: 94393

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-29541-1 | BCP_AREA_E_ARMOR_PROFILE_20121203 | TCLP | Solid | 1311 | |

## Metals (Continued)

### Leach Batch: 94393 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| LB 480-94393/1-B LB | Method Blank | TCLP | Solid | 1311 | |
| LB 480-94393/1-C LB | Method Blank | TCLP | Solid | 1311 | |

### Prep Batch: 94707

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-29541-1 | BCP_AREA_E_ARMOR_PROFILE_20121203 | TCLP | Solid | 3010A | 94393 |
| LB 480-94393/1-B LB | Method Blank | TCLP | Solid | 3010A | 94393 |
| LCS 480-94707/3-A | Lab Control Sample | Total/NA | Solid | 3010A | |
| MB 480-94707/2-A | Method Blank | Total/NA | Solid | 3010A | |

### Prep Batch: 94715

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-29541-1 | BCP_AREA_E_ARMOR_PROFILE_20121203 | TCLP | Solid | 7470A | 94393 |
| LB 480-94393/1-C LB | Method Blank | TCLP | Solid | 7470A | 94393 |
| LCS 480-94715/3-A | Lab Control Sample | Total/NA | Solid | 7470A | |
| MB 480-94715/2-A | Method Blank | Total/NA | Solid | 7470A | |

### Analysis Batch: 94926

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-29541-1 | BCP_AREA_E_ARMOR_PROFILE_20121203 | TCLP | Solid | 7470A | 94715 |
| LB 480-94393/1-C LB | Method Blank | TCLP | Solid | 7470A | 94715 |
| LCS 480-94715/3-A | Lab Control Sample | Total/NA | Solid | 7470A | 94715 |
| MB 480-94715/2-A | Method Blank | Total/NA | Solid | 7470A | 94715 |

### Analysis Batch: 95151

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-29541-1 | BCP_AREA_E_ARMOR_PROFILE_20121203 | TCLP | Solid | 6010B | 94707 |
| LB 480-94393/1-B LB | Method Blank | TCLP | Solid | 6010B | 94707 |
| LCS 480-94707/3-A | Lab Control Sample | Total/NA | Solid | 6010B | 94707 |
| MB 480-94707/2-A | Method Blank | Total/NA | Solid | 6010B | 94707 |

## General Chemistry

### Analysis Batch: 94316

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-29541-1 | BCP_AREA_E_ARMOR_PROFILE_20121203 | Total/NA | Solid | Moisture | |

# Lab Chronicle

Client: Ontario Specialty Contracting, Inc.
Project/Site: OSC- Former Buffalo Color Sites

TestAmerica Job ID: 480-29541-1

**Client Sample ID:**
**BCP_AREA_E_ARMOR_PROFILE_20121203**
**Date Collected: 12/03/12 15:00**
**Date Received: 12/04/12 15:30**

**Lab Sample ID: 480-29541-1**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| TCLP | Leach | 1311 | | | 94515 | 12/06/12 15:56 | ND | TAL BUF |
| TCLP | Analysis | 8260B | | 10 | 94955 | 12/10/12 12:20 | TRB | TAL BUF |
| TCLP | Leach | 1311 | | | 94393 | 12/06/12 08:16 | ND | TAL BUF |
| TCLP | Prep | 3510C | | | 95069 | 12/10/12 16:55 | ND | TAL BUF |
| TCLP | Analysis | 8270C | | 1 | 95193 | 12/11/12 19:19 | HTL | TAL BUF |
| Total/NA | Prep | 3550B | | | 94541 | 12/06/12 16:58 | DE | TAL BUF |
| Total/NA | Analysis | 8082 | | 1 | 94713 | 12/08/12 20:46 | JM | TAL BUF |
| TCLP | Leach | 1311 | | | 94393 | 12/06/12 08:16 | ND | TAL BUF |
| TCLP | Prep | 7470A | | | 94715 | 12/07/12 13:30 | JRK | TAL BUF |
| TCLP | Analysis | 7470A | | 1 | 94926 | 12/07/12 16:19 | JRK | TAL BUF |
| TCLP | Prep | 3010A | | | 94707 | 12/07/12 12:50 | SS | TAL BUF |
| TCLP | Analysis | 6010B | | 1 | 95151 | 12/10/12 15:58 | LH | TAL BUF |
| Total/NA | Analysis | Moisture | | 1 | 94316 | 12/05/12 17:40 | MD | TAL BUF |

**Laboratory References:**

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

# Certification Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: OSC- Former Buffalo Color Sites

TestAmerica Job ID: 480-29541-1

## Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

| Authority | Program | EPA Region | Certification ID | Expiration Date |
|---|---|---|---|---|
| Arkansas DEQ | State Program | 6 | 88-0686 | 07-06-13 |
| California | NELAC | 9 | 1169CA | 09-30-13 |
| Connecticut | State Program | 1 | PH-0568 | 09-30-14 |
| Florida | NELAC | 4 | E87672 | 06-30-13 |
| Georgia | State Program | 4 | N/A | 03-31-13 |
| Georgia | State Program | 4 | 956 | 06-30-13 |
| Georgia | State Program | 4 | 956 | 06-30-13 |
| Illinois | NELAC | 5 | 200003 | 09-30-13 |
| Iowa | State Program | 7 | 374 | 03-01-13 |
| Kansas | NELAC | 7 | E-10187 | 01-31-13 |
| Kentucky | State Program | 4 | 90029 | 12-31-12 |
| Kentucky (UST) | State Program | 4 | 30 | 04-01-13 |
| Louisiana | NELAC | 6 | 02031 | 06-30-13 |
| Maine | State Program | 1 | NY00044 | 12-04-13 |
| Maryland | State Program | 3 | 294 | 03-31-13 |
| Massachusetts | State Program | 1 | M-NY044 | 06-30-13 |
| Michigan | State Program | 5 | 9937 | 04-01-13 |
| Minnesota | NELAC | 5 | 036-999-337 | 12-31-12 |
| New Hampshire | NELAC | 1 | 2973 | 09-11-13 |
| New Hampshire | NELAC | 1 | 2337 | 11-17-13 |
| New Jersey | NELAC | 2 | NY455 | 06-30-13 |
| New York | NELAC | 2 | 10026 | 03-31-13 |
| North Dakota | State Program | 8 | R-176 | 03-31-13 |
| Oklahoma | State Program | 6 | 9421 | 08-31-13 |
| Oregon | NELAC | 10 | NY200003 | 06-09-13 |
| Pennsylvania | NELAC | 3 | 68-00281 | 07-31-13 |
| Rhode Island | State Program | 1 | LAO00328 | 12-31-13 |
| Tennessee | State Program | 4 | TN02970 | 04-01-13 |
| Texas | NELAC | 6 | T104704412-11-2 | 07-31-13 |
| USDA | Federal | | P330-11-00386 | 11-22-14 |
| Virginia | NELAC | 3 | 460185 | 09-14-13 |
| Washington | State Program | 10 | C784 | 02-10-13 |
| West Virginia DEP | State Program | 3 | 252 | 09-30-13 |
| Wisconsin | State Program | 5 | 998310390 | 08-31-13 |

# Method Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: OSC- Former Buffalo Color Sites

TestAmerica Job ID: 480-29541-1

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 8260B | TCLP Volatiles | SW846 | TAL BUF |
| 8270C | TCLP Semivolatiles | SW846 | TAL BUF |
| 8082 | Polychlorinated Biphenyls (PCBs) by Gas Chromatography | SW846 | TAL BUF |
| 6010B | TCLP RCRA Metals | SW846 | TAL BUF |
| 7470A | TCLP Mercury | SW846 | TAL BUF |
| Moisture | Percent Moisture | EPA | TAL BUF |

**Protocol References:**

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

# Sample Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: OSC- Former Buffalo Color Sites

TestAmerica Job ID: 480-29541-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 480-29541-1 | BCP_AREA_E_ARMOR_PROFILE_20121203 | Solid | 12/03/12 15:00 | 12/04/12 15:30 |

# Login Sample Receipt Checklist

Client: Ontario Specialty Contracting, Inc.

Job Number: 480-29541-1

**Login Number: 29541**

**List Source: TestAmerica Buffalo**

**List Number: 1**

**Creator: Robitaille, Zach L**

| Question | Answer | Comment |
|---|---|---|
| Radioactivity either was not measured or, if measured, is at or below background | True | |
| The cooler's custody seal, if present, is intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the sample IDs on the containers and the COC. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter. | N/A | |
| If necessary, staff have been informed of any short hold time or quick TAT needs | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Sampling Company provided. | True | OSC |
| Samples received within 48 hours of sampling. | True | |
| Samples requiring field filtration have been filtered in the field. | N/A | |
| Chlorine Residual checked. | N/A | |

**TestAmerica Buffalo**
10 Hazelwood Drive

Amherst, NY 14228
phone 716.504.9852 fax 716.691.7991

# Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

**TestAmerica Laboratories, Inc.**

| Client Contact | Project Manager: Schove, John | Site Contact: Andrew Madden | | COC No: |
|---|---|---|---|---|
| Ontario Specialty Contracting Inc. | Tel/Fax: (716) 655-1250 | Lab Contact: Schove, John | Carrier: | 1 of 1 COCs |
| 333 Ganson Street | Analysis Turnaround Time | | | Job No. 0913-R |
| Buffalo, NY, 14203 | Calendar ( C ) or Work Days (W) W | | | |
| 716-856-3333 Phone | TAT | | | SDG No. |
| 716-842-1630 FAX | [X] 2 weeks | | | |
| Project Name: OSC - Former Buffalo Color Sites | [ ] 1 week | | | |
| Site: Honeywell Buffalo Color | [ ] 2 days | | | |
| PO# 52140 | [ ] 1 day | | | |

| Sample Identification | Sample Date | Sample Time | Sample Type | Matrix | # of Cont. | | 6010B; 7470A; 8270C | 8082 - TCL PCBs - OLM04.3 | 8260B - TCLP Volatiles | | | | | | | | | | | | Sample Specific Notes: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BCP_Area E_Armor_Profile_20121203 | 12/3/2012 | 15:00 | C | S | 6 | N | 2 | 2 | 2 | | | | | | | | | | | | |
| Container Volume (oz) | | | | | | | 8 | 8 | 8 | | | | | | | | | | | | |
| Preservation Used: 1= Ice 2= HCl 3= H2SO4 4=HNO3 5=NaOH 6=Other | | | | | | | 1-G | 1-G | 1-G | | | | | | | | | | | | |

*Possible Hazard Identification*
[ ] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [X] Unknown

*Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)*
[ ] Return To Client [X] Disposal By Lab [ ] Archive For ____ Months

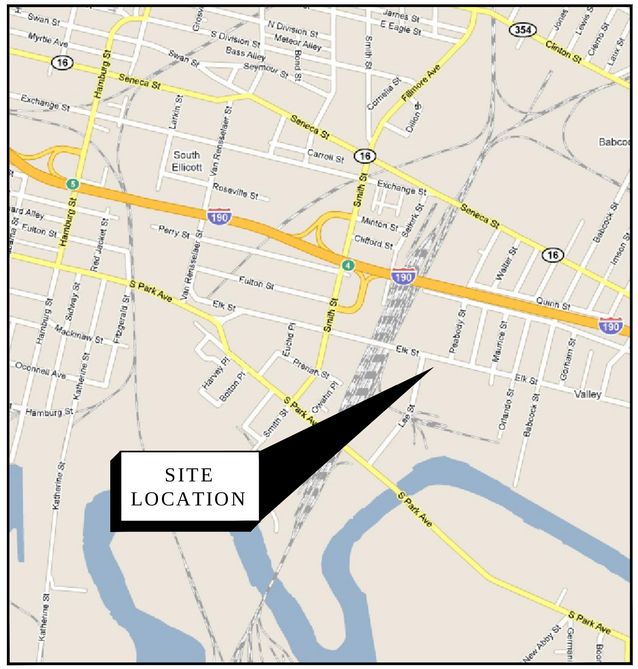
Special Instructions/QC Requirements & Comments:

Container Code: A=Amber G=Glass P=Poly/Plastic S=Summa T=Tedlar V=Vial

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| TOM WAGNER | OSC | 12/4/12 15:30 | Zachary J Robinson | TA BUFFALO | 12/4/12 1530 |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |

#3 3@7.8 3.2 3.6

**Attachment D**
**Armor Electric Storm Sewer Rehabilitation Drawings**




LOCATION PLAN

# ONTARIO SPECIALTY CONTRACTORS
# HONEYWELL/ FORMER BUFFLAO COLOR FACILITY
# BUFFALO, NEW YORK

## ARMOR ELECTRIC DRAINAGE DESIGN

NOVEMBER 2012

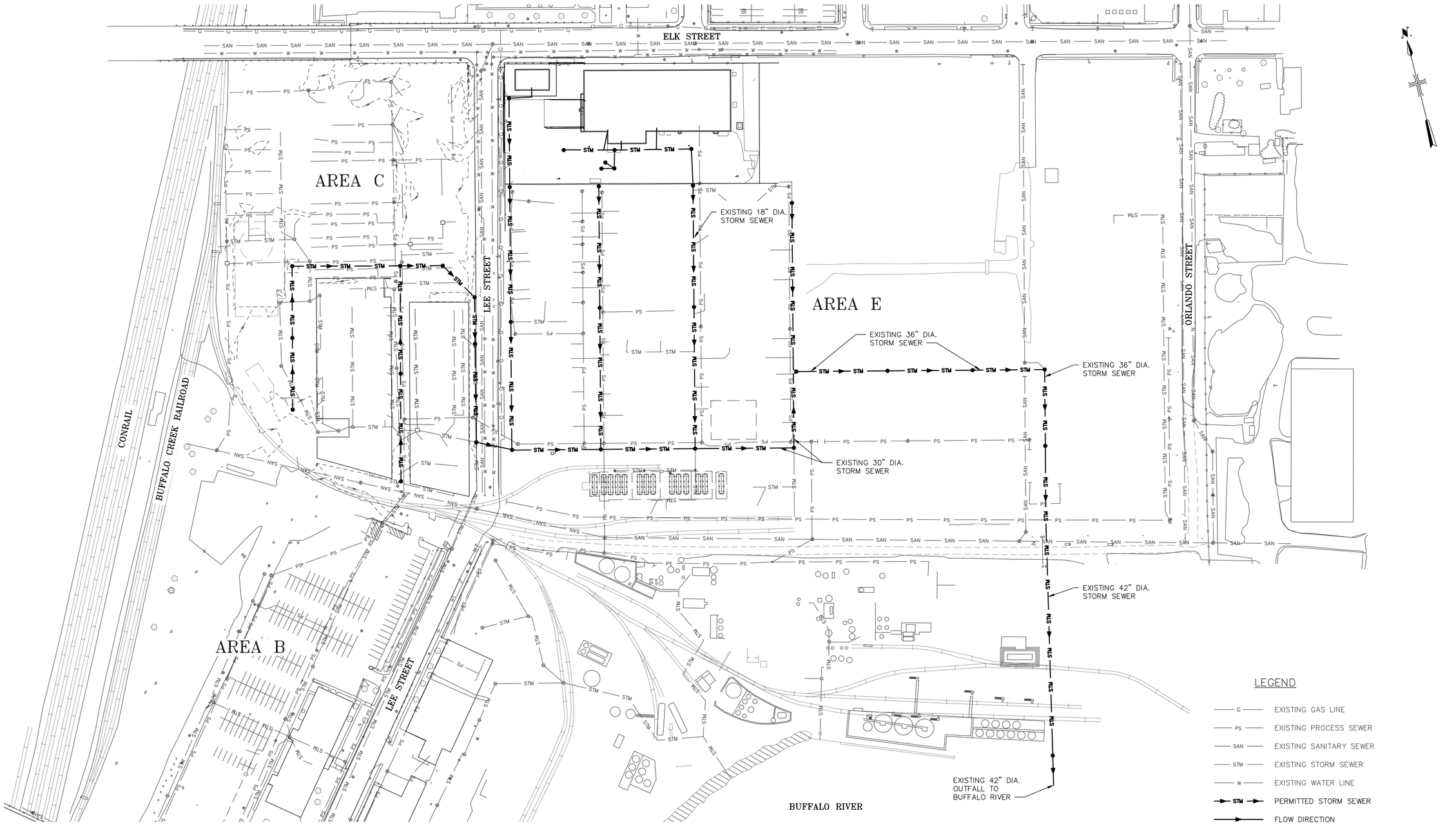
| INDEX OF DRAWINGS | |
|---|---|
| TITLE | |
| SHEET NO. | GENERAL |
| -- | COVER SHEET AND INDEX OF DRAWINGS |
| G1 | EXISTING SITE PLAN |
| G2 | PARTIAL SITE PLAN AND PROFILES |
| G3 | DETAILS – I |

APPROVED _____

ONTARIO SPECIALTY CONTRACTING, INC.

OSC PROJECT# 0913

ONTARIO SPECIALTY CONTRACTING, INC.
333 GANSON STREET
BUFFALO, NEW YORK 14203




PLAN
SCALE: 1" = 80'

40 0 40 80
SCALE: 1" = 80'

OSC

| REVISIONS | | | |
|---|---|---|---|
| NO. | BY | DATE | REMARKS |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
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DES
DWN
CKD

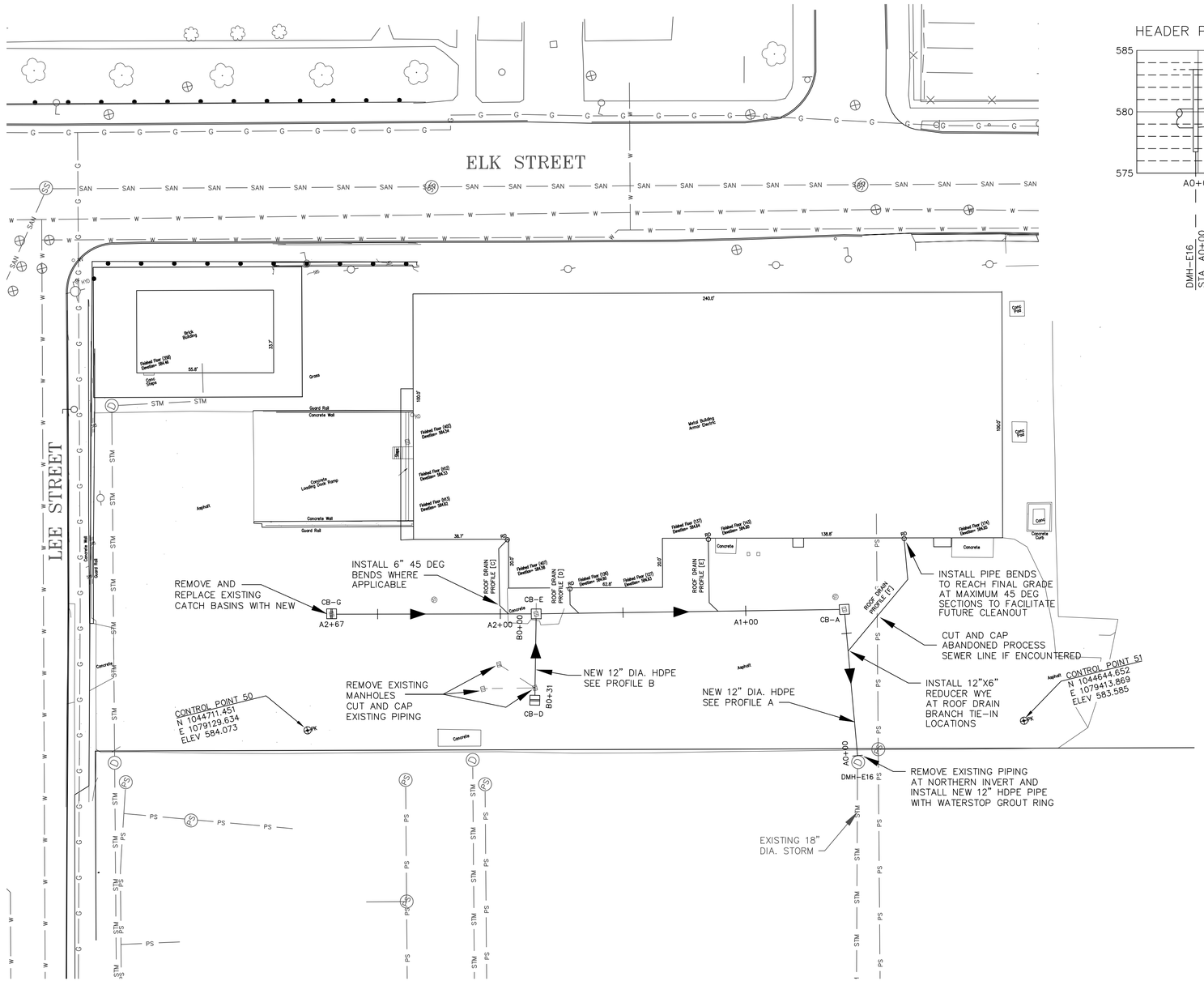
ONTARIO SPECIALTY CONTRACTORS
HONEYWELL/ FORMER BUFFALO COLOR FACILITY
BUFFALO, NEW YORK

# ARMOR ELECTRIC DRAINAGE DESIGN

# EXISTING SITE PLAN

SCALE: 1" = 80'

ONTARIO SPECIALTY CONTRACTING INC.
DATE NOVEMBER 2012
G SHEET 1 OF 3
CAD REF. NO. 007




## PARTIAL SITE PLAN

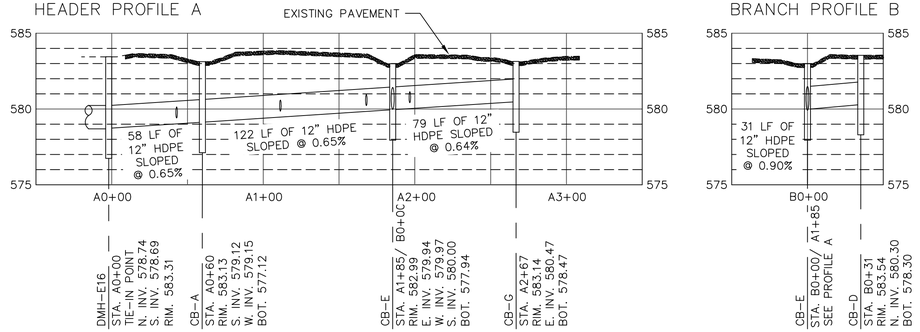
SCALE: 1" = 25'

LEGEND

| | |
|---|---|
| G — EXISTING GAS LINE | W — EXISTING WATER LINE |
| PS — EXISTING PROCESS SEWER | NEW CATCH BASIN |
| SAN — EXISTING SANITARY SEWER | NEW MANHOLE |
| STM — EXISTING STORM SEWER | NEW STORM SEWER |
| FLOW DIRECTION | |

NOTES:

1. EXISTING UTILITIES ARE SHOWN IN THE APPROXIMATE LOCATION. THE ELEVATIONS ARE ASSUMED. OWNER/ CONTRACTOR SHALL FIELD VERIFY ACTUAL ELEVATIONS PRIOR TO STARTING WORK.

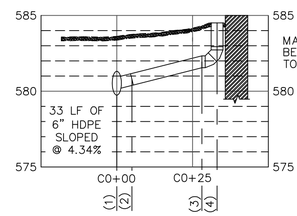






## HEADER PROFILE

HORIZ. SCALE: 1" = 50'
VERT. SCALE : 1" = 5'

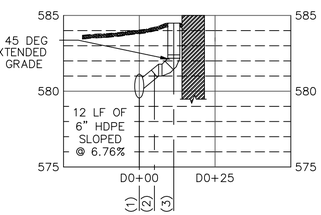



(1) REDUCER 45 DEG WYE
STA. C0+00/ A1+97
TIE IN CL. ELV. 580.53

(2) 45 DEG BEND
STA. C0+05
CL. ELV. 580.79

(3) 45 DEG BEND
STA. C0+28
CL. ELV. 581.98

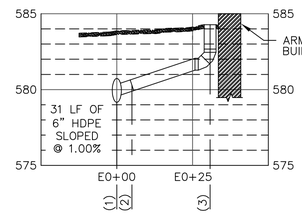
(4) ROOF DRAIN
STA. C0+33
GND. ELV. 584.51




(1) REDUCER 45 DEG WYE
STA. D0+00/ A1+68
TIE IN CL. ELV. 580.34

(2) 45 DEG BEND
STA. D0+05
CL. ELV. 581.16

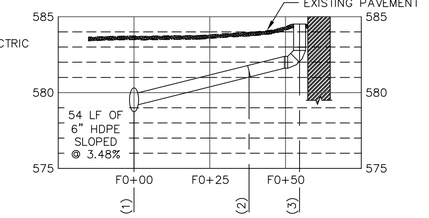
(3) ROOF DRAIN
STA. D0+11
GND. ELV. 584.49




(1) REDUCER 45 DEG WYE
STA. E0+00/ A1+11
TIE IN CL. ELV. 579.97

(2) 45 DEG BEND
STA. E0+05
CL. ELV. 580.28

(3) ROOF DRAIN
STA. E0+31
GND. ELV. 584.28



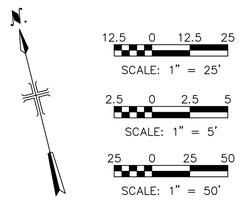

(1) REDUCER 45 DEG WYE
STA. F0+00/ A0+43
TIE IN CL. ELV. 579.52

(2) 45 DEG BEND
STA. F0+05
CL. ELV. 581.41

(3) ROOF DRAIN
STA. F0+55
GND. ELV. 584.52

## ROOF DRAINAGE PROFILES

HORIZ. SCALE: 1" = 25'
VERT. SCALE : 1" = 5'




OSC

| REVISIONS | | | |
|---|---|---|---|
| NO. | BY | DATE | REMARKS |
| | | | |

DES
DWN
CKD

ONTARIO SPECIALTY CONTRACTORS
HONEYWELL/ FORMER BUFFALO COLOR FACILITY
BUFFALO, NEW YORK

# ARMOR ELECTRIC DRAINAGE DESIGN

## PARTIAL SITE PLAN AND PROFILES

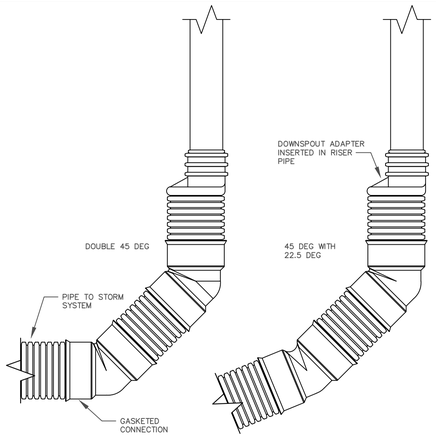
SCALE: AS NOTED

ONTARIO SPECIALTY CONTRACTING INC.

DATE NOVEMBER 2012

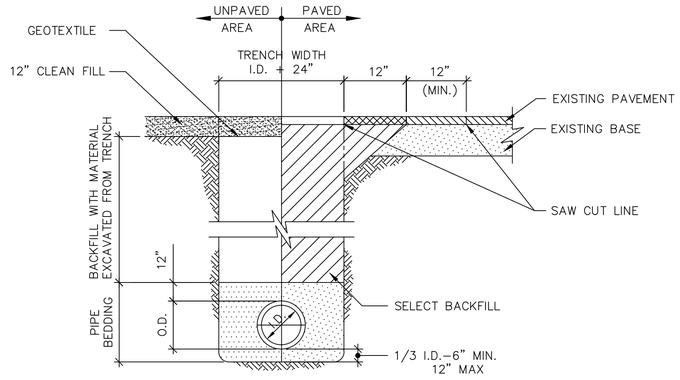
G SHEET 2 OF 3

CAD REF. NO. 007



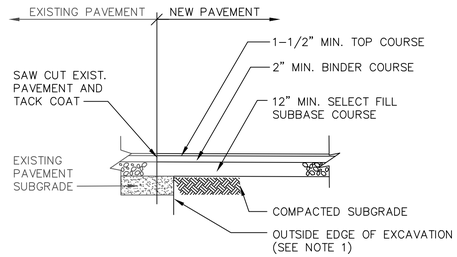

## ROOF DRAIN ASSEMBLY

NOT TO SCALE




## UNPAVED AND PAVED TRENCH DETAIL

NOT TO SCALE

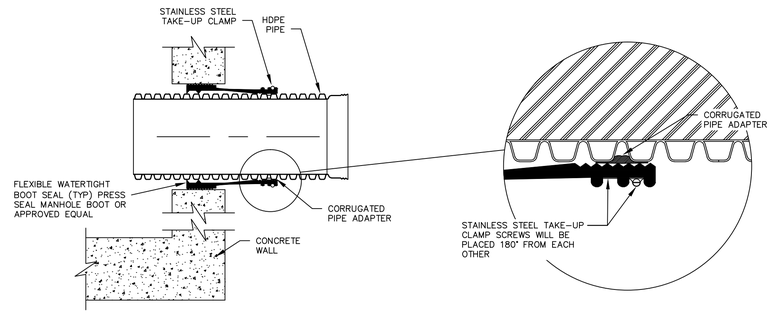



## ASPHALT PAVEMENT REPLACMENT DETAIL

NOT TO SCALE

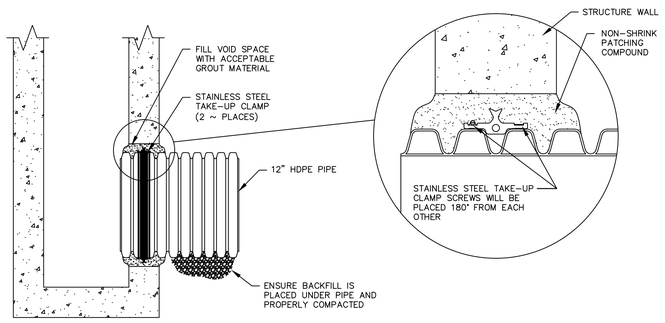
NOTES:

1. PRIOR TO PAVING OWNER/CONTRACTOR SHALL BACK CUT AND REMOVE EXISTING PAVEMENT A MINIMUM OF 1' FROM OUTSIDE EDGE OF EXCAVATION.



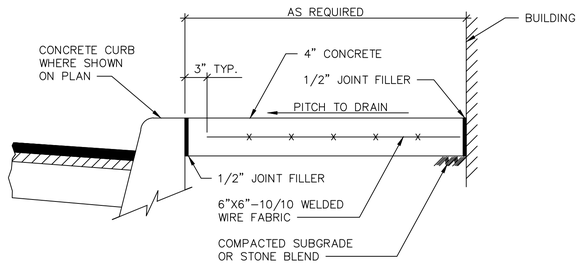

## WATERTIGHT BOOT SEAL DETAIL

NOT TO SCALE



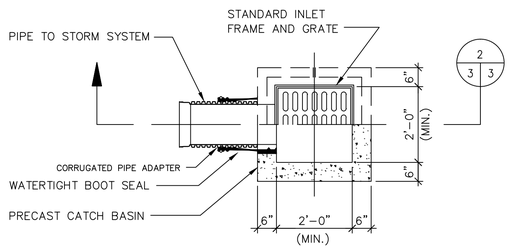

## DMH–E16 WATERSTOP MANHOLE CONNECTION

NOT TO SCALE

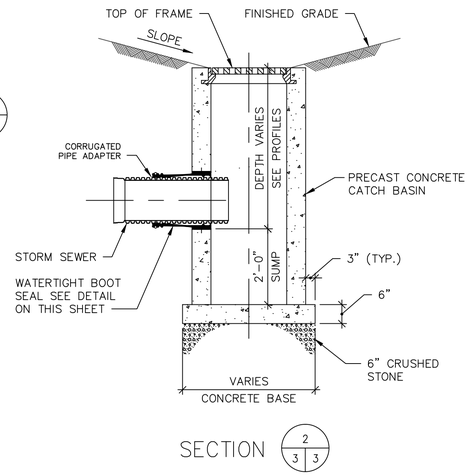



## CONCRETE SIDEWALK REPLACMENT DETAIL

NOT TO SCALE




PLAN




SECTION 2 / 3 3

## TYPICAL CATCH BASIN DETAIL

NOT TO SCALE

OSC

| REVISIONS | | | |
|---|---|---|---|
| NO. | BY | DATE | REMARKS |
| | | | |

DES

DWN

CKD

ONTARIO SPECIALTY CONTRACTORS
HONEYWELL/ FORMER BUFFALO COLOR FACILITY
BUFFALO, NEW YORK

# ARMOR ELECTRIC DRAINAGE DESIGN

## DETAILS

SCALE: AS NOTED

ONTARIO SPECIALTY CONTRACTING INC.

DATE NOVEMBER 2012

G SHEET 3 OF 3

CAD REF. NO. 007

# ATTACHMENT F

# MONITORING WELL EW-E04 DOCUMENTATION

# INCIDENT REPORT

Job Site: Buffalo Color OM&M Job No: 0913-OMM

Person(s) Involved (if applicable):

Name: Andrew Madden (OSC) & Tom Wagner (OSC)

Company: Ontario Specialty Contracting, Inc. (OSC)

Address: 1337 South Park Ave. Buffalo NT 14210

Phone: (716) 823-3908

Date/Time of Incident: Discovery – 3/30/2012
Location of Incident: Buffalo Color Area E

Address: 85 Lee Street Buffalo NY 14210

Check all Which Apply:

☒ Incident no injury to person
☐ Incident no damage to property
☐ Incident with injury to person (if yes, complete accident report & accident investigation)
☒ Incident with damage to property
☐ Theft
☒ Other (explain)

Equipment information (if applicable)

Equipment: Monitoring Well EW-E04

Witness to Incident: None

Narrative Description:

In September of 2011, Andrew Madden (OSC) utilized a provided Area E monitoring well map to locate each well intended for inclusion within the Area A Site Management Plan (SMP). This effort was made to avoid listing a well within the SMP that may have been previously decommissioned. At that time, Andrew Madden (OSC) observed that a few of the protective well casings were missing locks and required physical repair due to general deterioration. When Tom Wagner (OSC) initially started at the Buffalo Color Project in November of 2011 he was assigned the task of properly securing the wells intended for use within the groundwater monitoring program of the Area E SMP. This task was completed within the month of November 2011.

During the initial Area E well sampling event on March 30th 2012, Tom Wagner (OSC) and Andrew Madden (OSC) discovered that the monitoring well EW-E04 was filled with stone/soil debris up to an estimated level of two feet below ground surface. There was no apparent physical damage to the well or protective casing and at that time the well was properly secured with a padlock.

The cause of the damage is currently unknown, but due to the lack of any intrusive work performed within the area of the well and absence of observed physical damage it is assumed that vandalism may have taken place at some time before the well was secured in November 2011.

Following the discovery of the EW-E04 damage, a transducer depth measurement verification procedure has been included during the viability verification of latent monitoring wells. Hopefully this added procedure will help identify similar damages sooner. Also, a notation section will be added within the quarterly groundwater sampling field data collection form which will specifically record well casing physical conditions and verify a "properly secured" status.

Name: Andrew Madden Signature: 

FIGURE 3

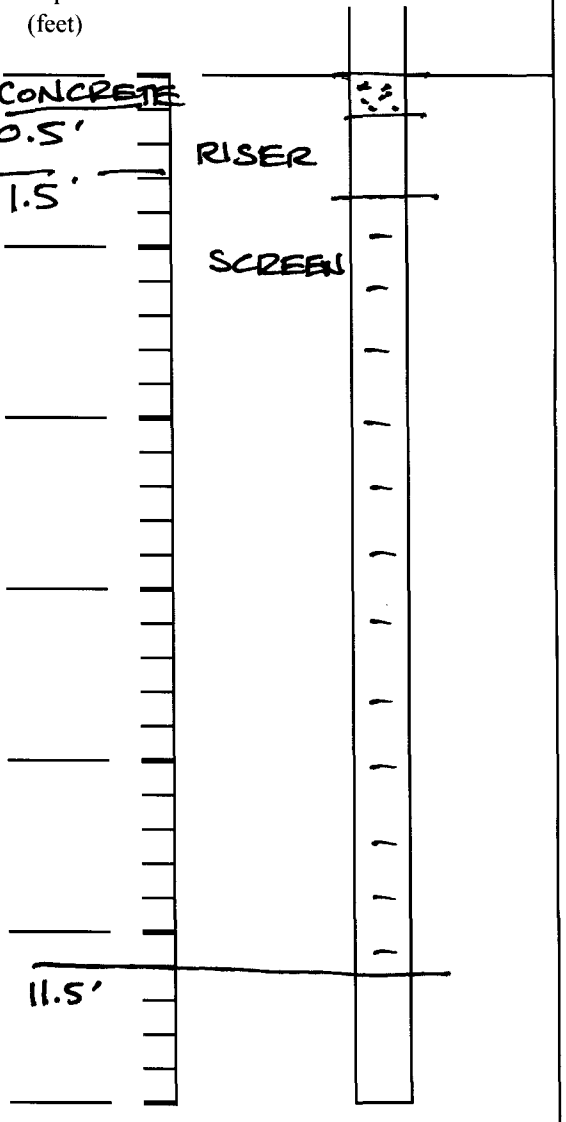
# WELL DECOMMISSIONING RECORD

| | |
|---|---|
| Site Name: FORMER BUFFALO COLOR CORP. | Well I.D.: MW-E04 |
| Site Location: AREA E, 85 LEE ST, BUFFALO, NY | Driller: J. GARDNER |
| Drilling Co.: BUFFALO DRILLING CO., INC. | Inspector: — |
| | Date: 6-27-12 |

## DECOMMISSIONING DATA
(Fill in all that apply)

| | |
|---|---|
| **OVERDRILLING** | |
| Interval Drilled | |
| Drilling Method(s) | |
| Borehole Dia. (in.) | |
| Temporary Casing Installed? (y/n) | |
| Depth temporary casing installed | |
| Casing type/dia. (in.) | |
| Method of installing | |
| REMOVAL OF STEEL PRO. | |
| **CASING PULLING** | |
| Method employed | HAND/HAMMER |
| Casing retrieved (feet) | — |
| Casing type/dia. (in) | STEEL/4" |
| **CASING PERFORATING** | |
| Equipment used | — |
| Number of perforations/foot | 5 |
| Size of perforations | — |
| Interval perforated | PER FOOT |
| **GROUTING** | |
| Interval grouted (FBLS) | FULL HEIGHT |
| # of batches prepared | |
| For each batch record: | |
| Quantity of water used (gal.) | 7.8 |
| Quantity of cement used (lbs.) | 94 |
| Cement type | TYPE I |
| Quantity of bentonite used (lbs.) | 3.9 |
| Quantity of calcium chloride used (lbs.) | — |
| Volume of grout prepared (gal.) | — |
| Volume of grout used (gal.) | 25 |

## WELL SCHEMATIC*




| COMMENTS: |
|---|
| |
| |
| |

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

BUFFALO DRILLING CO., INC.
Drilling Contractor

Department Representative

**BARRON & ASSOCIATES, P.C. &**
**BUFFALO DRILLING COMPANY, INC.**

10440 MAIN STREET
CLARENCE, NEW YORK 14031
(716) 759-7821 FAX: (716) 759-7823

# MONITORING WELL SCHEMATIC

**JOB No.:** 12-143 **BORING No.:** EW-E04A

**PROJECT:** Monitoring Well Installation at Former Buffalo Color Corp.
Area E, 85 Lee Street, Buffalo, New York 14210

| | | | |
|---|---|---|---|
| **DRILLER:** | J. Gardner | **TYPE OF DRILL RIG:** | Diedrich D-50 |
| **SAMPLING METHODS:** | - | **SIZE AND TYPE OF BIT:** | 4 1/4" I.D. H.S.A. |
| **DATE STARTED:** | 6/27/12 | **SURFACE ELEVATION (FT):** | - |
| **DATE COMPLETED:** | 6/27/12 | **GROUNDWATER DEPTH (FT):** (measured at completion unless indicated below) | 7.7 |

| Observation Well Installation Details | Elevation/ Depth | Soil Symbols Sampler Symbols Field Test Data | Sample No. : Range | N-Value | % REC (RQD) | Soil and Rock Description / Remarks |
|---|---|---|---|---|---|---|
| 4" I.D. Steel Protective Casing and Cover<br>2" I.D. Sch. 40 PVC Riser<br>Concrete Apron<br>Bentontite Seal<br>Ricci 00N Sand Pack<br>2" I.D. Sch. 40, 0.010 Slot PVC Screen | 0<br>5<br>10<br>15<br>20<br>25<br>30 | | | | | Black, moist silty SAND and GRAVEL [Soil descriptions from previous well log (MW-E04) by MACTEC.]<br>Gray and Brown, wet CLAY, trace SAND [Soil descriptions from previous well log (MW-E04) by MACTEC.]<br>Depth to Bottom of Hole: 11.5 ft. |

1. Five and one half well volumes removed during well development to achieve clear/non turbid water.