SUPPLEMENTAL INVESTIGATION REPORT

FORMER BORDEN CHEMICAL FACILITY
BAINBRIDGE, NEW YORK 13733

NYSDEC Site No. 709001
Work Assignment No. D009812-19

Prepared for:

NEW YORK STATE

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TABLE OF CONTENTS

SECTION **PAGE**

1.0 Introduction 5
2.0 Site Description and History 6
2.1 Site Location and Setting 6
2.2 Site Features and Use 6
2.3 Site History/Past Use 6
2.4 Topography and Site Drainage 7
2.5 Geology 7
2.6 Hydrogeology 7
3.0 Previous Investigations and Remedial History 8
3.1 Summary of Previous Investigations and Remediation 8
4.0 Supplemental Investigation 10
4.1 **Subsurface soil, Groundwater, and Sediment Investigation** 11
4.1.1 Direct Push Borings 11
4.1.3 Groundwater Grab Sampling 11
4.1.4 Monitoring Well Installation and Development 12
4.1.5 Low-Flow Groundwater Sampling and Gauging 13
4.1.6 Surface Water and Sediment Sampling 14
4.2 **Field Execution** 14
4.2.1 Implementation of Community Air Monitoring Plan 14
4.2.2 Utility Identification and Protection 14
4.2.3 Site Survey 15
4.2.4 Investigation Derived Waste 15
5.0 Discussion of Results 16
5.1 **Standards, Criteria, and Guidance** 16
5.2 **Subsurface Soil Sampling** 16
5.3 **Groundwater Grab Sampling** 17
5.4 **Low-Flow Groundwater Sampling** 19
5.5 **Sediment and Surface Water Sampling** 21
5.6 **Interpretation** 21

5.6.1 Site Geology 21
5.6.2 Site Hydrogeology 22
5.6.3 Nature and Extent 22
6.0 Conclusions and Recommendations 23
6.1 **Conclusions** 23
6.2 **Recommendations** 24
7.0 References 26

LIST OF FIGURES

Figure 1 Site Location Map
Figure 2 Site Layout Map
Figure 3 Sample Location Map
Figure 4 VOCs and SVOCs in Soil Samples – June 2022
Figure 5 VOCs and SVOCs in Groundwater Grab Samples – June 2022
Figure 6 VOCs, SVOCs, Formaldehyde, and PCBs in Low Flow Groundwater Samples – June 2022
Figure 7 VOCs and SVOCs in Sediment and Surface Water – June and September 2022
Figure 8 Groundwater Elevation Summary – June 2022

LIST OF TABLES

Table 1 Summary of Synoptic Water Levels and Groundwater Elevations
Table 2 Analytical Summary of VOCs in Soil Samples -- June 2022
Table 3 Analytical Summary of SVOCs in Soil Samples -- June 2022
Table 4 Summary of VOCs and SVOCs in Groundwater Grab Samples - June 2022
Table 5 Summary of VOCs and SVOCs in Low-Flow Groundwater Samples - June 2022
Table 6 Summary of PCBs, Formaldehyde, and PFAS in Groundwater Samples
Table 7 Analytical Summary of VOCs and SVOCs in Sediment - June 2022
Table 8 Analytical Summary of VOCs and SVOCs in Surface Water - June 2022

LIST OF APPENDICES

Appendix A Soil Boring Logs & Monitoring Well Construction Logs
Appendix B Monitoring Well Development Forms
Appendix C Monitoring Well Low Flow Sampling Logs

Appendix D Daily Field Reports
Appendix E Private Utility Survey Report
Appendix F Site Survey
Appendix G Data Usability Summary Reports

LIST OF ACRONYMS AND ABBREVIATIONS

ASP	Analytical Services Protocol
bgs	Below Ground Surface
CAMP	Community Air Monitoring Plan
CMI	Corrective Measures Implementation
CMIP	Final Corrective Measures Implementation Plan
CMS	Corrective Measures Study
COC	Chain of Custody
CRE	Columbus Real Estate, LLC
CUSCO	Commercial Use Soil Cleanup Objectives
DER	Division of Environmental Remediation
DOT	Department of Transportation
DUSR	Data Usability Summary Reports
FCM	Final Corrective Measure
FSGV	Freshwater Sediment Guidance Values
FSOB	Final Statement of Bias
GPR	Ground Penetrating Radar
HDPE	High-density polyethylene
ICM	Interim Corrective Measure
IDW	Investigation Derived Waste
LAL	Land Application Area
mg/kg	milligrams per kilogram
MHz	Megahertz
NAVD	North American Vertical Datum
ND	Non-detect
NTU	Nephelometric Turbidity Units
NYSDEC	New York State Department of Environmental Conservation
PCB	Polychlorinated biphenyl
PFAS	Per- and Polyfluorinated Substances
PID	Photo Ionization Detector
PRA	Phenol Recovery Area
PRR	Periodic Review Report
PVC	Polyvinyl Chloride
QAPP	Quality Assurance Project Pan
RCRA	Resource Conservation and Recovery Act
RUSCO	Restricted Use Soil Cleanup Objectives
SBL	Section, Block, Lot
SCGs	Standards, Criteria, and Guidance
SI	Supplemental Investigation

SMP	Site Management Plan
SVOCs	Semi Volatile Organic Compounds
SWMU	Solid Waste Management Units
TCL	Target Compound List
TICs	Tentatively Identified Compounds
TOGS	NYSDEC Division of Water Technical Operational Guidance Series
ug/L	Microgram per Liter
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
UUSCO	Unrestricted Use Soil Cleanup Objectives
VOC	Volatile Organic Compounds
WA	Work Assignment

1.0 Introduction

This report presents the results of the Supplemental Investigation (SI) for the Former Borden Chemical Facility located at 108-112 North Main Street in the Town of Bainbridge, Chenango County, New York (referred to as the "Site"). Refer to **Figure 1**, Site Location Map. The SI was completed in accordance with the New York State Department of Environmental Conservation (NYSDEC or the "Department") Division of Environmental Remediation (DER), the NYSDEC-approved work assignment package (WAP) dated July 27, 2021 (approved August 10, 2021), the NYSDEC-approved work assignment amendment package (WAAP) No. 1 dated June 7, 2022 (approved July 12, 2022) and NYSDEC DER-10, Technical Guidance for Site Investigation and Remediation (DER-10).

Based on the results of previous remedial actions, groundwater monitoring, and the remaining contamination in both soil and groundwater at the Site, the objectives of this SI were to;

- Further delineate the extent of the contamination on-Site, specifically in the phenol recovery area (PRA).
- Identify/confirm the area of contamination in the soil and groundwater.
- Establish a monitoring well network for future site management activities.
- Identify potential corrective measure(s).

2.0 Site Description and History

2.1 Site Location and Setting

The Former Borden Chemical Facility Site is located in a mixed commercial, industrial, and residential area located on the east side of the Village of Bainbridge, in Chenango County, New York (see **Figure 1**). The property is zoned industrial and is not actively used with the exception of storage in the warehouse. The site was approximately 210 acres before a 111-acre parcel was released by the NYSDEC with no outstanding remedial obligations in 2008. The project Site covered by the 2012 Site Management Plan (SMP) is approximately 78.7 acres and comprised of multiple parcels of land identified as Section, Block, Lot (SBL) numbers 254-1-42.1, 254-1-43, 254-1-44.12, 254-19-1-1.2, 254-19-1-2, and 254-19-1-3 on the Chenango County Tax Map. The Site is owned by Columbus Real Estate, LLC and can be accessed by a service road west through the Lambrecht Auction, Inc. property on County Road 38 and by a narrow right-of-way from Pruyn Street through Payne's Cranes property.

The Site is bounded by undeveloped, forested land to the north, a Norfolk Southern rail line to the south, Lambrecht Auction, Inc. and Beatty Creek to the east, and Payne's Crane's to the west, as shown on **Figure 2**.

2.2 Site Features and Use

The Former Borden Chemical Facility is zoned industrial and has been inoperative since 1981.

Site features include a primarily unwooded and overgrown open lot, several former building foundations, a former treatment shed, and perimeter fencing. Areas throughout the Site are demarcated based on prior use. This includes the PRA that was the location of the former wastewater treatment plants, the Bone Yard where plant waste material and stored equipment were staged, the Polychlorinated biphenyl (PCB) Area which housed the former Therminol Heater used for production, the River Lagoon utilized in wastewater treatment, and Former Aboveground Tank Area. The boundaries of these locations and site features are provided on **Figure 2**.

The southwestern most area of the Site is located within the 500-year floodplain of the Susquehanna River. Additionally, Beatty Creek is located directly northeast of the site and flows to the southeast. Observations made by TRC during the Supplemental Investigation activities suggest that Beatty Creek only flows after significant rain fall events and appears to be dry otherwise.

2.3 Site History/Past Use

The Site was owned and operated by Borden, Inc. from the 1940's until 1981. The facility produced solid and liquid synthetic resins such as phenol-formaldehyde and polyvinyl acetate in reactor vessels on location. The resins were used for molding materials in electrical components and the production of plywood and fiber boards. Waste associated with the generation of the resins were stored in various locations throughout the Site. These hazardous substances and wastes were released into the environment during the years of operation until production activities ended in 1981, and the facility began closing in accordance with the United States Environmental Protection Agency (USEPA) and the NYSDEC. Borden sold the property to Cherokee Environmental Risk Management, LP who accepted environmental liability of the property in

1997. The Site was sold in 2015 to John Payne who is the current owner. Columbia Real Estate performed remedial activities as a responsible party (RP) with work ending in 2019/2020.

2.4 Topography and Site Drainage

According to the United States Geological Survey (USGS) National Topographic Map Viewer of Bainbridge, New York ground surface elevations at the Site range from approximately 975 to 995 ft above mean sea level (AMSL) North American Vertical Datum (NAVD) 1988. The Site is relatively flat and has a slight slope to the southeast towards Beatty Creek, adjacent to the eastern side of the property. Beatty Creek flows into the Susquehanna River located a mile south of the Site.

2.5 Geology

Soil types throughout the site are consistent with glacial fluvial overbank deposits. The soils vary from silty gravels to gravelly silts with lenses of grey to brown clayey silts and silty sands in the upper 12–16 feet. Finer grained soil, such as clayey silts and silty clays are observed in deeper intervals throughout the site. Non-native fill materials have been brought to the site and are located in areas such as the Bone Yard Area. The overburden soils overlie the Oneonta Formation that consist of upper to middle Devonian clastic sedimentary rocks. During the Supplemental Investigation bedrock was not encountered. After review of available historical documents, a depth to bedrock could not be located.

2.6 Hydrogeology

The primary water bearing unit at the Site is the overburden silty to gravelly soils. Groundwater flow is generally to the east and to the southeast along Beatty Creek, in the direction of the Susquehanna River, in the eastern portion. As shown on **Table 1**, depth to groundwater ranged from approximately 5 ft below grade surface (bgs) to 13 ft bgs.

3.0 Previous Investigations and Remedial History

Presented in this section is a summary of the results of previous investigations and remedial activities completed at the Site. A summary of each event is described in the sections below.

3.1 Summary of Previous Investigations and Remediation

The Site was originally approximately 210 acres, of which 10 acres were occupied by manufacturing facilities, and was owned and operated by Borden, Inc. from the early 1940's until approximately 1981. The manufacturing facility produced solid and liquid synthetic resins such as phenol-formaldehyde, urea-formaldehyde, melamine-formaldehyde, and polyvinyl acetate in on-Site reactor vessels. The facility generated and stored wastes associated with the production of these resins in several areas of the site.

In early 1981, production activities ceased, and Borden, Inc. began closing the facility in conjunction with the EPA and the NYSDEC. Various sampling events conducted by consultants, EPA, and NYSDEC since 1981 have identified contamination at the site.

In 1990 Borden, Inc. entered into a Consent Agreement with the State of New York to develop and implement an inactive hazardous waste disposal site remedial program. Facility investigation reports were submitted in July 1992 and August 1996 and approved by NYSDEC in December 1996. A corrective measures study (CMS) Report was submitted in February 1997 and was revised and approved by the NYSDEC in April 1998. In December 1997 the site was purchased by Columbus Real Estate, LLC (CRE). A Corrective Measures Implementation (CMI) Plan was approved by the NYSDEC in November 1998.

The prior Periodic Review Report (PRR) for the Site, which was prepared by Intertek PSI and dated February 19, 2019, indicates that several parcels of the Site were in foreclosed in 2015, and that John W. Payne Enterprise LLC purchased the foreclosed parcels prior to February 2019. The prior PRR also indicates that CRE was prepared to continue carrying out Consent Order obligations related to the Site through the use of a dedicated remediation account and financial assurance accounts. However, on July 3, 2019, CRE notified the NYSDEC that it would not complete the remedial program. The NYSDEC has drawn upon previously established financial assurance funds to complete the remedial program.

Sections of the original 210-acre area have been released from the Order on Consent by NYSDEC. TRC understands that a 111-acre parcel north of the former Borden, Inc. Facility was released with no outstanding remedial obligations onNovember 14, 2008. The project site as described in the NYSDEC approved SMP covers a 78.66-acre property.

Soil, sediment and groundwater Resource Conservation and Recovery Act (RCRA) Investigations were conducted to evaluate all Solid Waste Management Units (SWMUs). Data from soil/sediment samples and 40 groundwater monitoring wells were gathered to define the extent of any impacts. From these data,

Interim Corrective Measure (ICM) and Final Corrective Measure (FCM) actions and goals for Site remedy were created and presented in the NYSDEC Final Statement of Bias (FSOB) dated November 19, 1998.

The SWMUs that were investigated and remediated on the 78.66-acre Site are noted below:

- Polychlorinated biphenyl (PCB) Area;
- Bone Yard;
- Phenol Recovery Area (PRA);
- Land Application Area (LAA);
- Storm/Process Sewers;
- Eastern (Beatty) Creek; and
- Groundwater.

Several RIs were performed to characterize the nature and extent of contamination at the Site. The results of these investigations are described in detail in the following reports:

- RCRA Facility Investigation Report, August 1992, T.M. Gates, Inc.
- Phase II RCRA Facility Investigation Report, August 1996, T.M. Gates, Inc.
- Corrective Measures Study (CMS) Report, February 1997, revised April 1998, T.M. Gates, Inc.
- Revised Groundwater Sampling and Analysis Plan, February 1997, T.M. Gates, Inc.
- Final Corrective Measures Implementation Plan (CMIP), November 1998, T.M. Gates, Inc.
- Certification of Completion Final Corrective Measures Addressing Soil and Sewer Contamination, September 2001, Environmental Resource Management Center, Northern Kentucky University.
- Geoprobe Soil Investigation Results and Recommendations, August 2002, revised October 2002, MACTEC, Inc.
- Enhanced Removal of Source Area Contamination, October 2002, MACTEC, Inc.
- Soil Boring Investigation Report Former Borden, Inc. Facility, October 2005, MACTEC, Inc.
- Soil Investigation and Treatment Progress Report, January 2006, MACTEC, Inc.
- Status Report, Site Cleanup, Former Borden, Inc. Resins Facility Soil Excavation – Phenol Recovery Area, September 2006, Environmental Resources Management.
- Status Report – Land Farming Activities Former Borden, Inc. Resins Facility Soil Excavation – Phenol Recovery Area, October 2008, Environmental Resources Management.
- Test Pit Investigation, Former Borden, Inc. Resins Facility, June 2008, Environmental Resources Management.

4.0 Supplemental Investigation

The SI field activities described in this section were completed by TRC between May 2022 and August 2022. The SI was completed in general conformance with the NYSDEC DER WA No. D009812-19.1 Notice to Proceed dated April 26, 2021, the NYSDEC-approved work assignment package (WAP) dated July 27, 2021 (approved August 10, 2021), the NYSDEC-approved work assignment amendment package (WAAP) No. 1 dated June 7, 2022 (approved July 12, 2022), and DER-10. Modifications to the Scope of Work were completed in consultation with the Department. The SI was completed concurrently with Site Management activities.

The SI field activities consisted of:

Private Utility Locating Survey: A private utility survey was completed on May 23, 2022, using geophysical investigation techniques at proposed monitoring well and direct push soil boring locations prior to the start of intrusive work.

Direct Push Soil Borings: Advancement of 26 soil borings (25 on-Site and one off-Site) direct push soil borings from May 31, 2022 to June 9, 2022.

Subsurface Soil Sampling: Collection of subsurface soil samples from each of the 26 soil boring locations and four monitoring well installation locations from May 31, 2022, to June 9, 2022.

Groundwater "Grab" Sampling: Collection of groundwater "grab" samples from each of the 26 direct push boring locations from May 31, 2022 to June 9, 2022.

Monitoring Well Installation and Development: Installation of four on-Site groundwater monitoring wells constructed and developed from June 8, 2022 to June 10, 2022.

Monitoring Well Repair and Replacement: Repair of monitoring well MW-19, installation of replacement monitoring wells for MW-16 and MW-21 from June 11, 2022 to June 14, 2022.

Low Flow Groundwater Sampling: Collection of one round of low flow groundwater samples from the four newly installed monitoring wells and 14 existing (or replaced) monitoring wells from June 27, 2022 to June 30, 2022.

Surface Water and Sediment Sampling: Collection of four paired sediment and surface water samples from four locations along Beatty Creek.

Site Survey: Completion of a survey on September 14, 2022 of SI sampling locations including the locations and elevations of the new and replaced monitoring wells (ground surface, top of riser, and top of well casing), direct push borings, paired surface water/sediment samples, overhead and subsurface utilities, and significant site features.

Investigation Derived Waste (IDW) Management: Off-Site disposal of IDW including development water, purge water, decontamination fluids, and drill cuttings was completed on October 26, 2022 by AARCO Environmental Services Corp..

4.1 Subsurface soil, Groundwater, and Sediment Investigation

Details of the work completed for SI field activities listed above in **Section 4.0** are provided below.

4.1.1 Direct Push Borings

Soil borings were advanced by Parratt Wolff, Inc. under subcontract to TRC at 30 locations (SB-101 through SB-126 and MW-101 through MW-104) via direct push drilling from May 31st, 2022 to June 9th, 2022 (refer to **Figure 3**). Soil samples were collected continuously from ground surface to the boring terminal depth utilizing two-inch diameter by four-foot-long samplers, utilizing Macrocore® method. Soil samples were inspected for physical evidence of impacts and screened for the presence of Volatile Organic Compounds (VOCs) with a photoionization detector (PID). In addition, a description of the soil was logged utilizing the USGS Soil Classification System. Soil boring logs are provided in **Appendix A**.

4.1.2 Subsurface Soil Sampling

A total of 30 samples and two duplicate samples were collected from the 30 on site direct push soil borings (BC-SB-101 through BC-SB-125 and BC-MW-101 through BC-MW-104) and submitted to Pace Analytical under standard chain of custody procedures for the analyses. Field observations (visual, odor, staining, PID) of the highest observed contamination were used in the selection of the soil sample interval. Samples collected were submitted for analysis of target compound list (TCL) VOCs plus 10 tentatively identified compounds (TICs) via USEPA Method 8260, and TCL SVOCs plus 20 TICs via USEPA Method 8270. A summary of the analytical results is provided on **Table 2** and **Table 3.**

Quality control samples, including matrix spike and matrix spike duplicates, were collected, and analyzed in accordance with the generic quality assurance project plan (QAPP).

4.1.3 Groundwater Grab Sampling

A groundwater "grab" sample was collected from each of the 26 (25 on-Site and one off-Site) direct push boring locations (BC-SB-101 through BC-SB-126), see **Figure 3**. Each sample was collected by lowering dedicated high-density polyethylene (HDPE) tubing down the center of the drill rods into a four-foot-long stainless-steel screen at the bottom of the boring. To capture the available groundwater in the screen, groundwater samples were collected immediately without purging water. Due to this, turbidity levels were elevated. The samples collected from on-Site borings were submitted to Pace Analytical for analysis of TCL VOCs plus 10 TICs via USEPA Method 8260, and TCL SVOCs plus 20 TICs via USEPA Method 8270. A summary of the VOC and SVOC analytical results is provided on **Table 4**. One sample collected from the upgradient, off-site location was submitted to Pace Analytical for analysis of PFAS (21-compound list) using USEPA Method 537 Modified. A summary of the PFAS analytical results is provided on **Table 6**.

Quality control samples, including matrix spike and matrix spike duplicates, were collected, and analyzed in accordance with the generic QAPP.

4.1.4 Monitoring Well Installation and Development

Four overburden groundwater monitoring wells (BC-MW-101, BC-MW-102, BC-MW-103, and BC-MW-104) were installed by Parratt Wolff, Inc. using 4.25-inch inside diameter hollow stem augers from June 8th, 2022 to June 10th, 2022 (refer to **Figure 3**). Monitoring well screen intervals were selected based on the depth of groundwater observed during the direct push boring soil sample collection. The top of the well screen was installed two feet above the observed groundwater table at each location. A steel protective casing was installed approximately 2.5 feet above ground surface, secured with a concrete pad and locking cover marked for field identification. A summary of the depth of each well, approximate screen interval depths, and screen length and diameter are presented in the table below.

Monitoring Well Construction Summary Table			
Monitoring Well Identification Number	**Approximate Total Depth of Monitoring Well (feet bgs)**	**Approximate Depth of Screened Interval (feet bgs)**	**Monitoring Well Screen Length (feet)/Nominal Well Screen and Riser Diameter (inches)**
BC-MW-101	13.0	3.0 – 13.0	10/2
BC-MW-102	14.0	4.0 – 14.0	10/2
BC-MW-103	19.0	9.0 – 19.0	10/2
BC-MW-104	16.0	6.0 – 16.0	10/2

The four monitoring wells were completed at depths ranging from approximately 13.0 to 19.0 feet bgs. The monitoring wells were constructed with 2-inch diameter polyvinyl chloride (PVC) casing and 10-slot (0.010-inch) PVC well screen. A clean silica sand pack was installed in the annular space around each groundwater monitoring well screen and extended approximately two feet above the top of each well screen. A hydrated bentonite seal, varying between 0.5 feet and two feet of thickness, was placed above the sand pack and the remaining annular space was filled with bentonite/cement grout up to approximately one foot below the ground surface (to allow for placement of the concrete collar). Monitoring well construction logs are provided in **Appendix A**.

Two overburden groundwater monitoring wells were installed to replace damaged and missing wells, MW-16 and MW-21 using 4.25-inch inside diameter hollow stem augers on June 13th, 2022 (refer to **Figure 3).** The monitoring well screen intervals were selected to match the well construction of the damaged wells. A summary of the depth of each well, approximate screen interval depths, and screen length and diameter are presented in the table below.

Replacement Monitoring Well Construction Summary Table			
Monitoring Well Identification Number	**Approximate Total Depth of Monitoring Well (feet bgs)**	**Approximate Depth of Screened Interval (feet bgs)**	**Monitoring Well Screen Length (feet)/Nominal Well Screen and Riser Diameter (inches)**
MW-16	14.0	4.0 – 14.0	10/2
MW-21	15.0	5.0 – 15.0	10/2

A blockage in monitoring well MW-19 was repaired utilizing a 1-inch tremie pipe to pump potable water into the well casing. The injected water was successful in breaking free a blockage of organic material and lifting it to the ground surface.

Following installation, the four newly installed, two replacement, and one repaired groundwater monitoring wells were developed using standard surging and pumping techniques, using dedicated HDPE tubing and a submersible pump. Depth to groundwater was measured using an oil/water interface probe prior to well development activities. Temperature, conductivity, pH, dissolved oxygen concentration, turbidity, and oxidation reduction potential were monitored using a water quality meter during well development. The monitoring wells were considered developed once turbidity fell below 50 nephelometric turbidity units (NTUs) or 10 well volumes were removed, whichever occurred first. Development water was containerized in 55-gallon drums for off-Site disposal. The monitoring well development logs are included in **Appendix B**.

4.1.5 Low-Flow Groundwater Sampling and Gauging

Groundwater samples were collected from eleven existing monitoring wells (MW-2B, MW-15, MW-15D, MW-17, MW-27, MW-28, MW-30, MW-35R, OW-10R, OW-35R, and RW-1), two replacement monitoring wells (MW-16 and MW-21), one repaired monitoring well (MW-19), and four newly installed monitoring wells (MW-101 through MW-104) at the Site from June 27, 2022, through June 30, 2022, and September 14, 2022. Groundwater surface elevations and inferred groundwater surface elevation contours, based on measurements collected on June 27, 2022, are shown on **Figure 8**. All samples were submitted to Pace Analytical (ConTest) for analysis of TCL VOCs plus 10 TICs and TCL SVOCs plus 20 TICs via USEPA Method 8260 and 8270 respectively. As part of site management activities, samples from three monitoring well locations (BC-MW-16, BC-MW-27, and BC-OW-10R) were submitted to Pace Analytical (ConTest) for analysis of formaldehyde by USEPA Method 8315A. A summary of the formaldehyde results is provided on **Table 5**. As part of site management activities and defined in the 2012 SMP, samples from three monitoring well locations (BC-MW-17, BC-MW-21, and BC-MW-2B) were submitted to Pace Analytical (ConTest) for analysis of PCBs, 7 Aroclors, by USEPA Method 8082. A summary of the PCBs results is provided on **Table 6**. Water quality readings collected during the sampling event were recorded on low-flow groundwater sampling logs by TRC and are included in **Appendix C**.

Quality control samples, including matrix spike and matrix spike duplicates, were collected, and analyzed in accordance with the generic QAPP.

4.1.6 Surface Water and Sediment Sampling

Co-located surface water and sediment samples were collected from four locations along Beatty Creek; one location upstream of Former Ponds 1 and 2, one cross gradient of Former Ponds 1 and 2, one cross gradient of monitoring well MW-15, and one downstream of the Site. Sediment samples were collected on June 28th, 2022, utilizing a hand augur. Sediment was screened visually and via PID for indications of contamination prior to sampling.

Beatty creek did not exhibit flow during the June sediment sampling event, therefore the team returned on September 14th, 2022, for surface water sample collection. All samples were submitted to Pace Analytical (ConTest) for analysis of TCL VOCs plus 10 TICs and TCL SVOCs plus 20 TICs via USEPA Method 8260 and 8270 respectively. A summary of the analytical results is provided on **Table 7**.

4.2 Field Execution

4.2.1 Implementation of Community Air Monitoring Plan

TRC implemented a community air monitoring plan (CAMP) during intrusive investigation activities in accordance with NYSDEC DER-10, Appendix 1A - Generic Community Air Monitoring Plan. A DustTRAK™ II aerosol monitor and a PID were positioned at locations upwind and downwind of the work areas. The CAMP was implemented during monitoring well installation, but not during the utility survey, surface water sampling, monitoring well development and sampling, or land surveying. The purpose of the CAMP was to monitor air upwind and downwind of the work area for potential impacts associated with the investigation activities. There were no exceedances of the CAMP action levels during the performance of the SI field activities.

4.2.2 Utility Identification and Protection

Prior to the commencement of ground-intrusive activities, TRC confirmed that the drilling subcontractor, Parratt-Wolff, Inc. contacted the One-Call Center, received/reviewed confirmation receipts from each utility, and verified mark-outs prior to intrusive work.

In addition to the public utility mark-out, a geophysical survey was conducted by GreenStar Solutions, Inc. on May 23, 2022, to identify any underground utilities in the areas of the 26 proposed direct sensing/direct push boring locations. The geophysical survey equipment consisted of a GSSI 350 mHz Ground Penetrating Radar (GPR) unit and MetroTech vLocPro2 utility locator. The geophysical survey encompassed an area extending in all directions at least 5 feet beyond each of the proposed monitoring well locations.

Any structure detected in the subsurface within the five feet perimeter of the proposed boring locations was identified on the ground surface with spray paint including the structure depth. Results of the private utility survey are summarized in a brief utility survey report, included in **Appendix E**. Based on results of the private utility survey, no interferences from underground utilities were detected at the 26 proposed locations.

4.2.3 Site Survey

On September 14, 2022 Susan M. Anacker, L.S., a New York State licensed land surveyor, under subcontract to TRC, completed a survey of the locations and elevations (ground surface, top of riser, and top of well casing) of the newly installed groundwater monitoring wells and the locations and elevations from the soil boring locations, surface water sample locations, and sediment sample locations. A figure with the locations surveyed can be found in **Appendix F**.

4.2.4 Investigation Derived Waste

IDW generated during the investigation included soil from drilling activities, and water from well development, well purging, and decontamination of sampling equipment. The IDW was placed in U.S. Department of Transportation (DOT) approved 55-gallon drums and characterized prior to transportation. Removal and off-Site disposal of the IDW was completed on October 26, 2022 by AARCO Environmental Services. A total of 4 drums filled with solids, and 5 drums filled with liquid were removed from the Site.

5.0 Discussion of Results

This section presents a discussion of the results of the SI. The results of laboratory analyses are summarized in **Tables 2 through Table 8.** The results of validation of the laboratory analytical data are summarized in the Data Usability Summary Reports (DUSRs) in **Appendix G**. The data validation was performed in accordance with NYSDEC requirements, including the requirements for development of DUSRs in Appendix 2B of DER-10. The complete Analytical Services Protocol (ASP) Laboratory Analytical Data Reports will be provided separately from this report as an electronic data summary. Additionally, electronic data deliverable packages have been uploaded to the NYSDEC EQuIS database.

5.1 Standards, Criteria, and Guidance

The regulatory standards, criteria, and Guidance (SCGs) used to evaluate the soil, groundwater, sediment, surface water, and waste characterization analytical results are described below.

Soil – Title 6 NYCRR Part 375, Table 375-6.8(a) Unrestricted Use Soil Cleanup Objectives (UUSCOs), and Table 375-6.8(b) Commercial Use Soil Cleanup Objectives (CUSCO) within the Restricted Use Soil Cleanup Objectives (RUSCOs) table; and NYSDEC Guidelines for Sampling and Analysis of PFAS Under NYSDEC's Part 375 Remedial Programs.

Groundwater – NYSDEC Division of Water Technical Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitation, Class GA; and NYSDEC Guidelines for Sampling and Analysis of PFAS Under NYSDEC's Part 375 Remedial Programs.

Sediment – Title 6 NYCRR Part 375, Table 375-6.8(a) Unrestricted Use Soil Cleanup Objectives (UUSCOs), and Table 375-6.8(b) Commercial Use Soil Cleanup Objectives (CUSCO) within the Restricted Use Soil Cleanup Objectives (RUSCOs) table.

Surface Water – NYSDEC Division of Water Technical Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitation, Class GA and Class B.

Waste Characterization – Title 6 NYCRR Part 371, Table 1: Maximum Concentration of Contaminants for the Toxicity Characteristic; USEPA 40 CFR § 268.48 UTS: Nonwastewater Standard; and USEPA 40 CFR § 268.49 Alternative LDR Treatment Standards for Contaminated Soil.

5.2 Subsurface Soil Sampling

An exceedance summary of the June 2022 subsurface soil analytical results is provided on the table below:

Summary of Soil Analytical Results – VOCs and SVOCs June 2022					
Constituent	**UUSCO**	**CUSCO**	**Concentration Range (mg/kg)**	**Location with Highest Detection**	**Frequency Exceeding CUSCO**
VOCs					
Acetone	0.05	500	ND – 1.4	BC-SB-111 (18 ft)	8/29
Benzene	0.06	44	ND – 0.095	BC-SB-111 (18 ft)	1/29
2-Butanone (MEK)	0.12	500	ND – 0.50	BC-SB-102 (16 ft)	3/29
1,2-Dichlorobenzene	1.1	500	ND – 5.5	BC-SB-120 (7 ft)	1/29
1,4-Dichlorobenzene	1.8	130	ND – 5.6	BC-SB-120 (7 ft)	1/29
Toluene	0.7	500	ND – 170	BC-SB-120 (7 ft)	8/29
SVOCs					
o-cresol	0.33	500	ND – 18	BC-SB-120 (7 ft)	8/29
Phenol	0.33	500	ND – 640	BC-SB-102 (16 ft)	19/29

Notes:
mg/kg – Milligram per kilogram
UUSCO – Unrestricted Use Soil Cleanup Objective
CUSCO – Commercial Use Soil Cleanup Objective
ND – Non-detect
SCG – Standards, Criteria, and Guidance
SVOCs – Semi Volatile organic compounds
VOCs – Volatile organic compounds

A summary of the results of VOCs and SVOCs analysis of soil samples is presented on **Table 2** and **Table 3.** Concentrations of one or more VOCs, specifically Benzene, 2-Butanone (MEK), Toluene, 1,2-Dichlorobenzene, and/or 1,4-Dichlorobenzene, were detected exceeding UUSCO and/or CUSCO in nine of the 29 samples submitted for analysis. Concentrations of VOC detected were low and variable across the sampling area. Concentrations of one or more SVOCs, specifically o-cresol and/or Phenol, were detected exceeding Unrestricted and/or Commercial Use SCOs in 19 of the 29 samples submitted for analysis. Detected concentrations of phenol were highest in the southeast corner of the PRA and decreased in concentration to the north and west. **Figure 4** presents the data boxes for exceedances of individual VOC and SVOC compound at each location.

5.3 Groundwater Grab Sampling

An exceedance summary of the June 2022 groundwater grab analytical results is provided on the table below:

Summary of Groundwater Grab Analytical Results – VOCs, SVOCs June 2022				
Constituent	**Class GA Value**	**Concentration Range (ug/L)**	**Location with Highest Detection**	**Frequency Exceeding SCG**
VOCs				
Acetone	50	ND – 1,700	BC-SB-106	13/25
Benzene	1	ND – 100	BC-SB-106	18/25
2-Butanone (MEK)	50	ND – 1,500	BC-SB-106	8/25
Chlorobenzene	5	ND – 47	BC-SB-116	11/25
1,2-Dichlorobenzene	3	ND – 21	BC-SB-116	1/25
1,4-Dichlorobenzene	3	ND – 22	BC-SB-116	4/25
1,2-Dichloropropane	1	ND – 3.4	BC-SB-106	1/25
Ethyl Benzene	5	ND – 81	BC-SB-118	13/25
Isopropylbenzene (Cumene)	5	ND – 14	BC-SB-116	1/25
Methylene Chloride	5	ND – 180	BC-SB-116	9/25
Naphthalene	10	ND – 29	BC-SB-116	1/25
Tetrachloroethylene	5	ND – 210	BC-SB-116	1/25
Toluene	5	ND – 20,000	BC-SB-106	17/25
1,2,3-Trichloropropane	0.04	ND – 126	BC-SB-120	1/25
m/p Xylene	5	ND – 34	BC-SB-118	2/25
o-Xylene	5	ND – 26	BC-SB-118	1/25
Xylenes (total)	5	ND – 60	BC-SB-118	2/25
SVOCs				
Bis(2-chloroisopropyl)ether	5	ND – 130	BC-SB-112	3/25
1,2-Dichlorobenzene	3	ND – 11	BC-SB-116	1/25
1,4-Dichlorobenzene	3	ND – 10	BC-SB-116	1/25
2,4-Dimethylphenol	50	ND – 320	BC-SB-106	9/25
Naphthalene	10	ND – 19	BC-SB-116	1/25
Phenol	1	ND – 490,000	BC-SB-106	19/25

Notes:

µg/L – Micrograms per liter
ND – Non-detect
SCG – Standards, Criteria, and Guidance.
SVOCs – Semivolatile organic compounds
VOCs – Volatile organic compounds

A summary of the VOC and SVOC results of the analysis of groundwater grab samples is presented in **Table 4.** One or more VOCs and SVOCs were detected at 19 of the 25 locations at concentrations above Class GA guidance values. The VOCs with the highest frequency of detection, and highest detected concentrations, were Acetone, Benzene, 2-Butanone (MEK), Chlorobenzene, Ethyl Benzene, and Toluene. The highest concentrations of Toluene were in the southeast corner of the PRA, with concentrations decreasing to the north and west. The SVOC with the highest frequency of exceedances, and highest concentration was Phenol. Phenol was detected at 19 of the 25 locations, with the highest concentration of 490,000 µg/L at BC-SB-106. The highest concentrations of phenol were detected in the southeast area of the Site. **Figure 5** presents the data boxes for exceedances of individual VOC and SVOC compound at each location.

One sample (BC-SB-126) was collected for PFAS, the result of the analysis is presented on **Table 6.** No PFAS were detected above their respective guidance values.

5.4 Low-Flow Groundwater Sampling

An exceedance summary of the June 2022 low-flow groundwater sample analytical results is provided on the table below:

Summary of Low-Flow Groundwater Analytical Results – VOCs, SVOCs, PCBs June 2022				
Constituent	**Class GA Values**	**Concentration Range (µg/L)**	**Location with Highest Detection**	**Frequency Exceeding SCG**
VOCs				
Acetone	50	ND – 300	BC-MW-15	2/18
Benzene	1	ND – 18	BC-OW-10R	5/18
2-Butanone (MEK)	50	ND – 220	BC-MW-15	1/18
Chlorobenzene	5	ND – 180	BC-MW-103	4/18
1,2-Dichlorobenzene	3	ND – 11	BC-MW-103	1/18
1,3-Dichlorobenzene	3	ND – 5.6	BC-MW-103	1/18
1,4-Dichlorobenzene	3	ND – 21	BC-MW-103	3/18
Ethyl Benzene	5	ND – 76	BC-MW-103	2/18
Isopropylbenzene (Cumene)	5	ND – 26	BC-MW-103	1/18
Methylene Chloride	5	ND – 5.4	BC-MW-15	1/18
Toluene	5	ND – 1600	BC-OW-10R	3/18
SVOCs				
2,4-Dimethylphenol	50	ND – 58	BC-MW-15	1/18
Naphthalene	10	ND – 35	BC-MW-103	1/18
Phenol	1	ND – 200,000	BC-MW-15	7/18
Other				
Formaldehyde	8	ND – 40	BC-OW-10R	1/3
Total PCBs	0.09	ND – 0.91	BC-MW-2B	1/3

Notes:
µg/L – Micrograms per liter
ND – Non-detect
PCBs – Polychlorinated biphenyls
PFAS – Per- and polyfluoroalkyl substances
SCG – Standards, Criteria, and Guidance.
SVOCs – Semivolatile organic compounds
VOCs – Volatile organic compounds

A summary of results of VOC, SVOC, and PCBs analysis of low-flow groundwater samples is presented in **Table 5** and **Table 6**. One or more VOCs and SVOCs were detected at 8 of the 18 locations (BC-MW-15, BC-MW-15D, BC-MW-28, BC-MW-101, BC-MW-103, BC-MW-104, BC-OW-10R, BC-OW-35R, and BC-RW-1) at concentrations above Class GA guidance values. The VOCs with the highest frequency

of detection, and highest detected concentrations, were Acetone, Benzene, Chlorobenzene, 1,4-Dichlorobenzene, and Toluene. The highest concentrations of VOCs were in the southeast corner of the PRA, with concentrations decreasing to the north and west. The SVOC with the highest frequency of exceedances, and highest concentration was Phenol**.** Phenol was detected at 7 of the 18 locations, with the highest concentration of 200,000 µg/L at BC-MW-15. The highest concentrations of phenol were detected in the southeast area of the Site. Formaldehyde was detected at one of the three locations, with the highest concentration of 40 µg/L at BC-OW-10R, exceeding the respective guidance value. Downgradient to the southeast of the Site, VOC and SVOC concentrations in low-flow groundwater samples were very low to non-detect with no concentrations above Class GA guidance values. **Figure 6** presents the data boxes for specific concentrations detected at each location**.**

5.5 Sediment and Surface Water Sampling

An exceedance summary of the June 2022 sediment sample analytical results is provided on the table below:

Summary of Sediment Soil Analytical Results – VOCs, SVOCs
June 2022

Constituent	UUSCO	CUSCO	Concentration Range (mg/kg)	Location with Highest Detection	Frequency Exceeding CUSCO
VOCs					
Acetone	0.05	500	0.113 – 0.271	BC-SE-103 (0-0.5 ft.)	4/4

Notes:
µg/L – Micrograms per liter
ND – Non-detect
UUSCO – Unrestricted Use Soil Cleanup Objective
CUSCO – Commercial Use Soil Cleanup Objective
SCG – Standards, Criteria, and Guidance
SVOCs – Semivolatile organic compounds
VOCs – Volatile organic compounds

A summary of the results of the analysis of paired surface water and sediment samples can be found on **Table 7** and **Table 8** respectively**.** For VOCs in the sediment samples, Acetone was the only analyte that exceeded UUSCOs and was detected at all sediment locations. For SVOCs in the sediment samples, no analytes were detected that exceeded NYSDEC UUSCOs or CUSCOs.

For VOCs and SVOCs in the surface water samples, only Acetone was detected at low levels, with no results exceeding Class GA or Class B guidance values.

5.6 Interpretation

5.6.1 Site Geology

Based on the soil types encountered during the SI, from grade surface to approximately 20 feet bgs, the subsurface geology consists of predominately brown to dark brown silt and sandy gravels with lenses of brown clayey silt and silty sands. Both laterally and vertically the soils are heterogeneous within the investigation area. These findings are consistent with historical findings documented in the SMP (2012). Boring Logs and monitoring well construction logs are presented in **Appendix A**.

5.6.2 Site Hydrogeology

Groundwater elevation measurements collected from the monitoring wells at the Site on June 27, 2022, ranged from a high of 992.97 feet AMSL to the west of the Site, to 983.46 feet AMSL to the east. As seen on **Figure 8,** predominant groundwater flow is to the east for the majority of the Site, and southeasterly towards Beatty Creek in the southeast portion of the Site. The hydraulic gradient across the southern portion of the Site is 7.9 x 10^{-3} ft/ft.

5.6.3 Nature and Extent

Groundwater

As discussed in **Section 5.2** through **Section 5.5** above, for VOCs in grab and low-flow groundwater samples, Acetone, Benzene, 2-Butanone (MEK), Chlorobenzene, Ethyl Benzene, 1,4-Dichlorobenzene, and Toluene were the main constituents of concern (COC) detected with the highest frequency and at the highest concentrations. For SVOCs in grab and low-flow groundwater samples, Phenol was the main COC detected with the highest frequency and at the highest concentrations. Highest concentrations of VOC and SVOC COCs were observed in the southeastern portion of the PRA, with concentrations of both decreasing to the north and west.

Overall, the extent of the VOC and SVOC concentrations detected and exceeding Class GA values in groundwater, is bound by the southern and eastern edges of the Site. These exceedances were observed in samples collected within the southern and eastern areas of PRA, with VOC and SVOC concentrations decreasing in groundwater toward the north and west within the PRA, and other areas of the Site. Concentrations of VOC and SVOC COCs were low to non-detect in downgradient off-Site wells MW-27, MW-35R, and MW-16 to the southeast, with no concentrations exceeding Class GA guidance values.

Formaldehyde was detected at one out of the three locations sampled (OW-10R) and exceeded the respective guidance value. Total PCBs exceeded Class GA values at one out of three locations sampled (BC-MW-2B). Three PFAS were detected at the one groundwater grab sample location (BC-SB-126) and for Perfluorooctanesulfonic Acid (PFOS) but did not exceed the respective guidance value.

Soil

As discussed in Section 5.2 through Section 5.5 above, for VOCs in soil samples, Acetone, Benzene, 2-Butanone (MEK), Toluene, 1,2-Dichlorobenzene, and 1,4-Dichlorobenzene were the main COC detected with the highest frequency and at the highest concentrations. For SVOCs in soil, o-cresol and Phenol were the main COC detected with the highest frequency and at the highest concentrations. Highest concentrations of VOC and SVOC COCs were observed in the southeastern portion of the PRA, with concentrations of both decreasing to the north and west.

6.0 Conclusions and Recommendations

The Supplemental Investigation was completed in general accordance with the NYSDEC DER Work Assignment No. D009812-19.1 Notice to Proceed dated April 26, 2021, the NYSDEC-approved Work Assignment Package (WAP) dated July 27, 2021 (approved August 10, 2021), the NYSDEC-approved Work Assignment Amendment Package (WAAP) No. 1 dated June 7, 2022 (approved July 12, 2022), and DER-10. Modifications to the WAP and WAAP were completed in consultation with the Department. The conclusions and recommendations, based on the results of the SI, are presented below.

6.1 Conclusions

- Geologically, the subsurface geology in the area of the supplemental investigation consists of predominately brown to dark brown silt and sandy gravels with lenses of brown clayey silt and silty sands. Both laterally and vertically the soils are heterogeneous. Soils in the southeast portion of the PRA generally fine with depth, consisting of silt and silt and clay. To the north and northeast of the PRA soils consist mainly of sandy gravels. Bedrock was not encountered during the investigation. These findings are consistent with findings in the historical reporting.

- Hydrogeologically, the main groundwater unit surface was encountered in the overburden, ranging from the highest elevation of 993.33 feet AMSL at MW-17 at the western-most area of the Site, to the lowest elevation of 982.85 feet AMSL at MW-27. The main groundwater flow direction is from the west to east across the western and central area of the Site and to the southeast along the eastern site boundary towards Beatty Creek. These findings are consistent with findings in the historical reporting.In the saturated soil samples collected in June 2022, Site COCs including Acetone, Benzene, 2-Butanone (MEK), Chlorobenzene, Ethyl Benzene, Toluene and Phenol, were detected at concentrations exceeding their respective guidance values in the southeastern area of the PRA, with concentrations decreasing in soil sample to the north and northwest. These detections are consistent with historical reporting and analytical results.

- Based on grab and low-flow groundwater samples collected in June 2022, Site COCs in groundwater included Acetone, Benzene, 2-Butanone (MEK), Chlorobenzene, Ethyl Benzene, 1,4-Dichlorobenzene, Toluene and phenol, with the highest concentrations observed in the southeastern area of the PRA. Concentrations of detected VOC and SVOC compounds decreased to the north and west in the PRA and were non detect at locations to the west outside the PRA, and to the east and southeast off-Site. Various other VOCs and SVOCs were detected at concentrations exceeding Class GA values, mainly in the PRA. These findings are consistent with historical reporting and analytical results.

- Concentrations of detected VOC and SVOC compounds in soil and groundwater (specifically Phenol) show some correlation with the highest concentrations in both soil and groundwater seen in the southeastern portion of the PRA.

- Formaldehyde was detected at concentrations exceeding the respective recommended guidance value at one of three groundwater samples collected from the Site in June 2022 in the southeast portion of the PRA. These findings are consistent with historical reporting and analytical results.

- PCBs were detected near the Bone Yard area at concentrations exceeding their respective recommended guidance values at one groundwater sample location collected from the Site in June 2022. These findings are consistent with historical reporting and analytical results.
- PFAS compounds were detected at one groundwater grab sample location to the north of the PRA in June 2022. Concentrations did not exceed their respective recommended guidance values. These findings are consistent with historical reporting and analytical results.
- Low concentrations of Acetone and Phenol were detected in all four sediment samples collected in June 2022. Concentrations exceeded UUSCOs. These findings are consistent with historical reporting and analytical results.
- Low concentrations of Acetone were detected at all four surface water samples collected from Beatty Creek in September 2022. Concentrations did not exceed their respective guidance values. These findings are consistent with historical reporting and analytical results.
- Remaining contamination in the subsurface soils at the Site, specifically in the area of the PRA are at depths below the ground surface, and the potential risk of exposure is mitigated by the cover system, and other ICs/ECs outlined in the SMP.
- Remaining contamination in the groundwater, specifically in the area of the PRA, does not appear to be mobilized by groundwater flow, and does not appear to be migrating downgradient and off-Site.

6.2 Recommendations

Based on the results, findings, and conclusions of the Borden Chemical SI, the following is recommended:

- Based on historical remedial actions, historic reporting, analytical results, and the findings and conclusions of the 2022 SI, site management activities outlined in the 2012 SMP should continue.
- Institution Controls (ICs) required by the 2012 SMP should be maintained and are as follow:
  - Monitor soil cover system.
  - Prevent future exposure to contamination by controlling disturbances of the subsurface.
  - Limit the use and development of the Site to restrictive commercial uses only.
- Continued compliance with the Environmental Deed Restriction(s)
- To assess trends in concentrations, groundwater monitoring events and site inspections should be completed at a frequency of annually for the next 3 years (2023, 2024 and 2025), with the next event occurring in 3rd quarter 2023. The need for continued sampling will be evaluated by a QEP following the 2025 sampling event and included in the 2025 periodic review report (PRR).
- A PRR should be completed annually following each monitoring and inspection event, with the next PRR due 4th quarter 2023.
- The monitoring well network should be revised to include the monitoring wells installed during the 2022 SI, for a total of 18 locations (BC-MW-2B, BC-OW-10R, BC-MW-15, BC-MW-15D, BC-MW-16, BC-MW-17, BC-MW-19, BC-MW-21, BC-MW-27, BC-MW-28, BC-MW-30, BC-MW-35R, BC-OW-35R, BC-RW-01, BC-MW-101, BC-MW-102, BC-MW-103, BC-MW-104).

- Laboratory analysis for groundwater and surface water samples, specified as BTEX in the SMP (2012), should be revised to TCL VOCs plus 10 TICs, and specified that phenol will be analyzed via TCL SVOCs plus 10 TICs.
- The SMP should be updated to include these recommendations and changes, see below for a summary of the recommended updated summary Site monitoring and sampling plan:

Summary Site Monitoring and Sampling Plan			
Site Management Activity	**Frequency**	**Location**	**Laboratory Analysis****
Site Inspection	Annually*	Site property, soil cover, and surrounding area	Not Applicable
Groundwater Sampling	Annually*	• BC-MW-2B • BC-MW-17 • BC-MW-21	• PCBs
		• BC-MW-15 • BC-MW-19 • BC-MW-28 • BC-MW-101 • BC-MW-103 • MW-30 • MW-35R • OW-35R • BC-MW-102 • BC-MW-104	• TCL VOCs plus 10 TICs • Phenol via TCL SVOCs plus 10 TICs
		• MW-16 • MW-27 • OW-10R	• TCL VOCs plus 10 TICs • Phenol via TCL SVOCs plus 10 TICs • Formaldehyde
Surface Water Sampling	Annually*	Beatty Creek	• TCL VOCs plus 10 TICs • Phenol via TCL SVOCs plus 10 TICs
Site Inspection Report	Following each inspection event	Not Applicable	Not Applicable
PRR	Annually*	Not Applicable	Not Applicable

*The need for continued sampling will be evaluated by a QEP following the 2025 sampling event and included in the 2025 PRR.

7.0 References

- 6 NYCRR 375, Remedial Program Requirements.
- 6 NYCRR 703, Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations.
- New York State Department of Environmental Conservation (NYSDEC), Division of Environmental Remediation (DER)-10, Technical Guidance for Site Investigation and Remediation, May 2010.
- New York State Department of Environmental Conservation, Division of Environmental Remediation, Bureau of Program Management Work Assignment (WA) Notice to Proceed, September 17, 2020.
- New York State Department of Environmental Conservation, Division of Solid and Hazardous Materials, Final Statement of Basis for the Former Borden, Inc. Resins Facility, November 19, 1998.
- TRC Engineers, Inc. Standby Engineering Contract Work Assignment (WA) No. D009812-19.1, NYSDEC-approved Scope of Work dated March 3, 2021 (approved March 15, 2021), the NYSDEC-approved Scope of Work Amendment No. 1 dated June 7, 2022,
- Environmental Resources Management (ERM). Former Borden, Inc. Resin Facility Site Management Plan. November 16, 2012. (SMP 2012)

FIGURES

LEGEND

- SITE LOCATION

BASE MAP: ESRI TOPOGRAPHIC IMAGERY
DATA SOURCES: TRC

N

0 1,000 2,000

FEET

1:24,000 1" = 2,000'

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORMER BORDEN CHEMICAL - NYSDEC SITE NO. 709001
TOWN OF BAINBRIDGE, CHENANGO COUNTY, NEW YORK
SUPPLEMENTAL INVESTIGATION

TITLE:

SITE LOCATION MAP

DRAWN BY:	L. LILL	PROJ. NO.:	441641.0000.0000
CHECKED BY:	C. SEROWIK		
APPROVED BY:	J. BONE		
DATE:	DECEMBER 2022		

FIGURE 1

TRC
10 MAXWELL DRIVE
CLIFTON PARK, NY 12065
PHONE: 518-348-1190

FILE: SIREPORT_2022

COORDINATE SYSTEM: NAD 1983 STATEPLANE NEW YORK CENTRAL FIPS 3102 FEET; MAP ROTATION: 0
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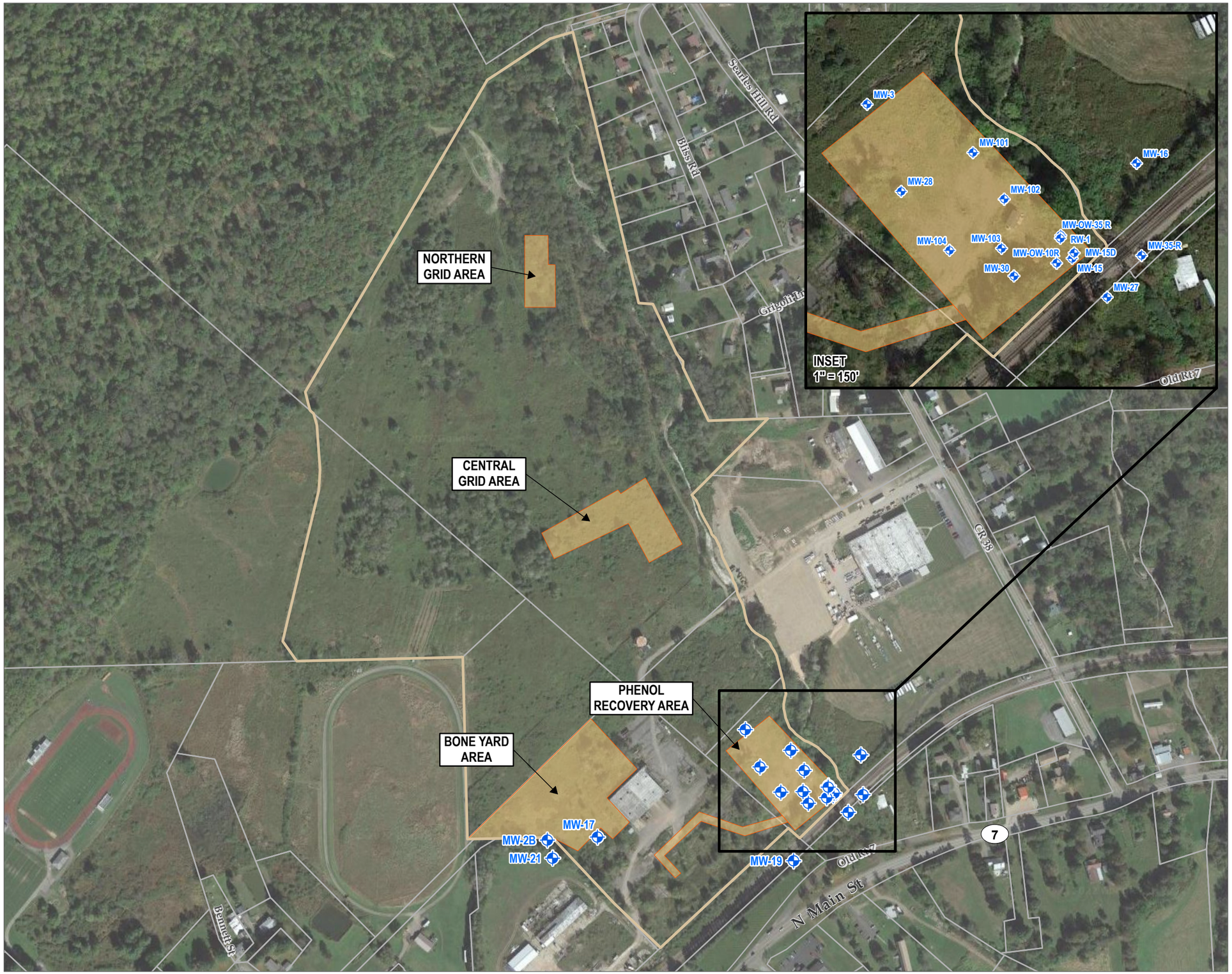


LEGEND

- BORDEN CHEMICAL SITE BOUNDARY
- CHENANGO COUNTY TAX PARCELS
- SOLID WASTE MANAGEMENT AREA (SWMA)
- MONITORING WELL LOCATION

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND BOUNDARIES ARE APPROXIMATE.
2. SURVEY WAS COMPLETED ON SEPTEMBER 23, 2022 BY SUSAN M. ANACKER, PLS.

BASE MAP: GOOGLE EARTH IMAGERY
DATA SOURCES: TRC

1:4,200
1" = 350'
0 175 350 FEET

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORMER BORDEN CHEMICAL - NYSDEC SITE NO. 709001
TOWN OF BAINBRIDGE, CHENANGO COUNTY, NEW YORK
SUPPLEMENTAL INVESTIGATION

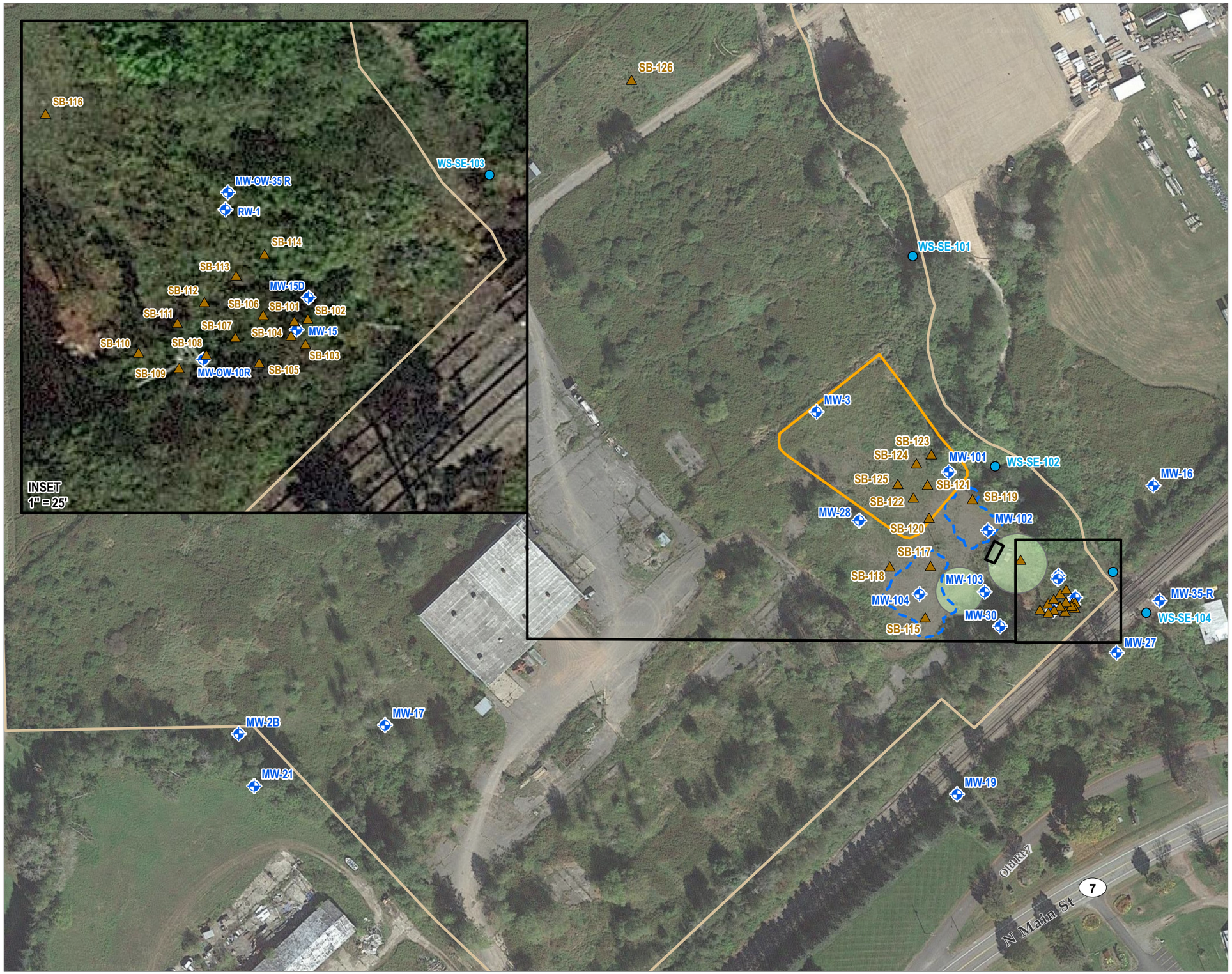
TITLE:
SITE LAYOUT MAP

DRAWN BY:	L. LILL	PROJ. NO.:	441641.0000.0000
CHECKED BY:	C. SEROWIK		FIGURE 2
APPROVED BY:	J. BONE		
DATE:	DECEMBER 2022		

TRC
10 MAXWELL DRIVE
CLIFTON PARK, NY 12065
PHONE: 518-348-1190

FILE: SIReport_2022.aprx

Coordinate System: NAD 1983 StatePlane New York Central FIPS 3102 Feet; Map Rotation: 0
Saved By LILL on 12/7/2022 - 10:19:04 AM; File Path: T:\PROJECTS\VOL2\EC\441641_BordenChemical\3-APRX\SIReport_2022\SIReport_2022.aprx; Layout Name: Figure 2 - Site Layout Map



LEGEND

- BORDEN CHEMICAL SITE BOUNDARY
- LOCATION OF FORMER TREATMENT SHED
- LOCATION OF FORMER POND
- LOCATION OF FORMER ABOVEGROUND STORAGE TANK
- LOCATION OF FORMER PRA LAND FARMING OPERATIONS
- MONITORING WELL
- SOIL BORING
- SURFACE WATER/SEDIMENT SAMPLE

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND BOUNDARIES ARE APPROXIMATE.
2. SURVEY WAS COMPLETED ON SEPTEMBER 23, 2022 BY SUSAN M. ANACKER, PLS.

BASE MAP: GOOGLE EARTH IMAGERY
DATA SOURCES: TRC

N

1:1,440
1" = 120'
0 60 120 FEET

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORMER BORDEN CHEMICAL - NYSDEC SITE NO. 709001
TOWN OF BAINBRIDGE, CHENANGO COUNTY, NEW YORK
SUPPLEMENTAL INVESTIGATION

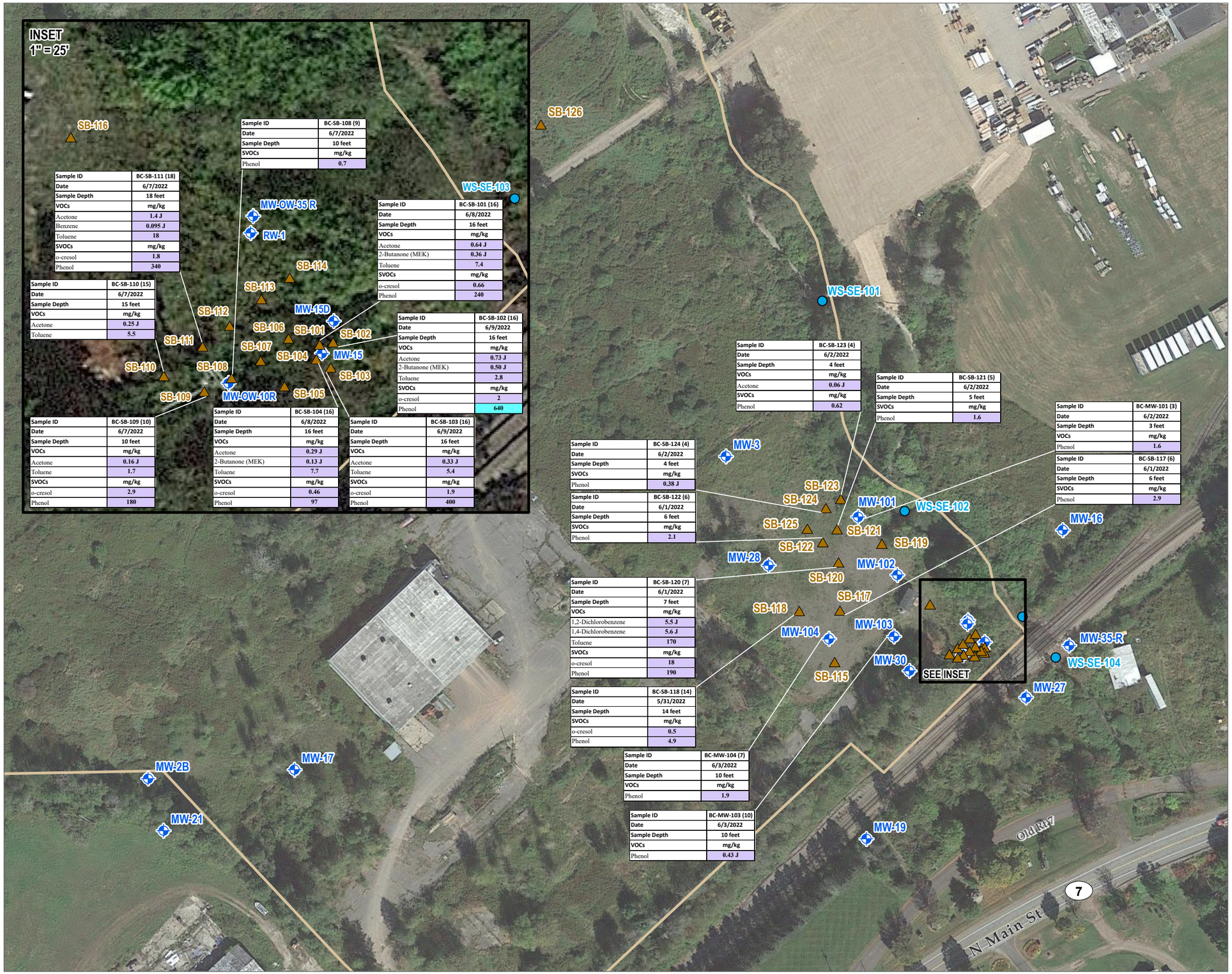
TITLE:
SAMPLE LOCATION MAP

DRAWN BY:	L. LILL	PROJ. NO.:	441641.0000.0000
CHECKED BY:	C. SEROWIK		**FIGURE 3**
APPROVED BY:	J. BONE		
DATE:	DECEMBER 2022		

TRC
10 MAXWELL DRIVE
CLIFTON PARK, NY 12065
PHONE: 518-348-1190

FILE: SIReport_2022.aprx

Coordinate System: NAD 1983 StatePlane New York Central FIPS 3102 Feet, Map Rotation: 0
Saved By: LLILL on 12/22/2022 10:18:54 AM, File Path: T:\PROJECTS\NYSDEC\441641_BordenChemical\2-APRX\SIReport_2022\SIReport_2022.aprx, Layout Name: Figure 3 - Sample Location Map



Sample ID	BC-SB-108 (9)
Date	6/7/2022
Sample Depth	10 feet
SVOCs	mg/kg
Phenol	0.7

Sample ID	BC-SB-111 (18)
Date	6/7/2022
Sample Depth	18 feet
VOCs	mg/kg
Acetone	1.4 J
Benzene	0.095 J
Toluene	18
SVOCs	mg/kg
o-cresol	1.8
Phenol	340

Sample ID	BC-SB-101 (16)
Date	6/8/2022
Sample Depth	16 feet
VOCs	mg/kg
Acetone	0.64 J
2-Butanone (MEK)	0.36 J
Toluene	7.4
SVOCs	mg/kg
o-cresol	0.66
Phenol	240

Sample ID	BC-SB-110 (15)
Date	6/7/2022
Sample Depth	15 feet
VOCs	mg/kg
Acetone	0.25 J
Toluene	5.5

Sample ID	BC-SB-102 (16)
Date	6/9/2022
Sample Depth	16 feet
VOCs	mg/kg
Acetone	0.73 J
2-Butanone (MEK)	0.50 J
Toluene	2.8
SVOCs	mg/kg
o-cresol	2
Phenol	640

Sample ID	BC-SB-109 (10)
Date	6/7/2022
Sample Depth	10 feet
VOCs	mg/kg
Acetone	0.16 J
Toluene	1.7
SVOCs	mg/kg
o-cresol	2.9
Phenol	180

Sample ID	BC-SB-104 (16)
Date	6/8/2022
Sample Depth	16 feet
VOCs	mg/kg
Acetone	0.29 J
2-Butanone (MEK)	0.13 J
Toluene	7.7
SVOCs	mg/kg
o-cresol	0.46
Phenol	97

Sample ID	BC-SB-103 (16)
Date	6/9/2022
Sample Depth	16 feet
VOCs	mg/kg
Acetone	0.33 J
Toluene	5.4
SVOCs	mg/kg
o-cresol	1.9
Phenol	400

Sample ID	BC-SB-123 (4)
Date	6/2/2022
Sample Depth	4 feet
VOCs	mg/kg
Acetone	0.06 J
SVOCs	mg/kg
Phenol	0.62

Sample ID	BC-SB-121 (5)
Date	6/2/2022
Sample Depth	5 feet
SVOCs	mg/kg
Phenol	1.6

Sample ID	BC-MW-101 (3)
Date	6/2/2022
Sample Depth	3 feet
VOCs	mg/kg
Phenol	1.6

Sample ID	BC-SB-124 (4)
Date	6/2/2022
Sample Depth	4 feet
SVOCs	mg/kg
Phenol	0.38 J

Sample ID	BC-SB-117 (6)
Date	6/1/2022
Sample Depth	6 feet
SVOCs	mg/kg
Phenol	2.9

Sample ID	BC-SB-122 (6)
Date	6/1/2022
Sample Depth	6 feet
SVOCs	mg/kg
Phenol	2.1

Sample ID	BC-SB-120 (7)
Date	6/1/2022
Sample Depth	7 feet
VOCs	mg/kg
1,2-Dichlorobenzene	5.5 J
1,4-Dichlorobenzene	5.6 J
Toluene	170
SVOCs	mg/kg
o-cresol	18
Phenol	190

Sample ID	BC-SB-118 (14)
Date	5/31/2022
Sample Depth	14 feet
SVOCs	mg/kg
o-cresol	0.5
Phenol	4.9

Sample ID	BC-MW-104 (7)
Date	6/3/2022
Sample Depth	10 feet
VOCs	mg/kg
Phenol	1.9

Sample ID	BC-MW-103 (10)
Date	6/3/2022
Sample Depth	10 feet
VOCs	mg/kg
Phenol	0.43 J

LEGEND

- BORDEN CHEMICAL SITE BOUNDARY
- MONITORING WELL
- SOIL BORING
- SURFACE WATER/SEDIMENT SAMPLE

CONSTITUENT	NYSDEC UUSCO	NYSDEC CUSCO
VOCs	mg/kg	mg/kg
Acetone	0.05	500
Benzene	0.06	44
2-Butanone (MEK)	0.12	500
1,2-Dichlorobenzene	1.1	500
1,4-Dichlorobenzene	1.8	130
Toluene	0.7	500
SVOCs	mg/kg	mg/kg
o-cresol	0.33	500
Phenol	0.33	500

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND BOUNDARIES ARE APPROXIMATE.
2. SURVEY WAS COMPLETED ON SEPTEMBER 23, 2022 BY SUSAN M. ANACKER, PLS.
3. VALUES IN **BOLD** INDICATE THE ANALYTE WAS DETECTED.
4. **VALUES SHOWN IN BOLD AND COLOR TYPE EXCEED THE CORRESPONDING LISTED NYSDEC CRITERIA.**

ACRONYMS:
MG/KG - MILLIGRAMS PER KILOGRAM (DRY WEIGHT) OR PARTS PER MILLION (PPM)
J - ESTIMATED VALUE
NC - NO NYSDEC SCOS EXIST FOR THIS ANALYTE
NYSDEC UUSCO - TITLE 6 NYCRR PART 375, TABLE 375-6.8(A) UNRESTRICTED USE SOIL CLEANUP OBJECTIVES
NYSDEC CUSCO - TITLE 6 NYCRR PART 375, TABLE 375-6.8(B) COMMERCIAL USE SOIL CLEANUP OBJECTIVES
SVOCS - SEMI VOLATILE ORGANIC COMPOUNDS
VOCS - VOLATILE ORGANIC COMPOUNDS

BASE MAP: GOOGLE EARTH IMAGERY
DATA SOURCES: TRC

1:1,440
1" = 120'
0 60 120 FEET

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORMER BORDEN CHEMICAL - NYSDEC SITE NO. 709001
TOWN OF BAINBRIDGE, CHENANGO COUNTY, NEW YORK
SUPPLEMENTAL INVESTIGATION

TITLE:
VOC AND SVOC EXCEEDANCES IN SOIL SAMPLES JUNE 2022

DRAWN BY:	L. LILL	PROJ. NO.:	441641.0000.0000
CHECKED BY:	C. SEROWIK		FIGURE 4
APPROVED BY:	J. BONE		
DATE:	JUNE 2023		

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PHONE: 518.348.1190

FILE: SIReport_2022.aprx

Coordinate System: NAD 1983 StatePlane New York Central FIPS 3102 Feet; Map Rotation: 0
Saved By: LLILL on 6/6/2023 - 5:02:09 PM - File Path: T:_PROJECTS\WORDEC\441641_BordenChemical\2-APRX\SIReport_2022\SIReport_2022.aprx - Layout Name: Figure 4 - VOCs and SVOCs in Soil Samples

Sample Location	BC-SB-125
Date	6/1/2022
VOCs	µg/L
Chlorobenzene	6.4
SVOCs	µg/L
Phenol	2.7 J

Sample Location	BC-SB-119
Date	6/2/2022
VOCs	µg/L
Chlorobenzene	7.8

Sample Location	BC-SB-116
Date	6/3/2022
VOCs	µg/L
Acetone	790 J
Benzene	53 J
2-Butanone (MEK)	700 J
Chlorobenzene	47 J
1,2-Dichlorobenzene	21 J
1,4-Dichlorobenzene	22 J
Ethyl Benzene	73 J
Isopropylbenzene (Cumene)	14 J
Methylene Chloride	180 J
Naphthalene	29 J
Tetrachloroethylene	210
Toluene	12,000
SVOCs	µg/L
1,2-Dichlorobenzene	11 J
1,4-Dichlorobenzene	10 J
2,4-Dimethylphenol	220
Naphthalene	19 J
Phenol	170,000

Sample Location	BC-SB-122
Date	6/1/2022
VOCs	µg/L
Benzene	2.0 J
Chlorobenzene	17
SVOCs	µg/L
Phenol	250

Sample Location	BC-SB-114
Date	6/6/2022
VOCs	µg/L
Benzene	4.2
Chlorobenzene	7.6
1,4-Dichlorobenzene	3.8 J
Toluene	290
SVOCs	µg/L
Bis(2-chloroisopropyl)ether	5.4 J
Phenol	1,600

Sample Location	BC-SB-106
Date	6/6/2022
VOCs	µg/L
Acetone	1,700
Benzene	100
2-Butanone (MEK)	1,500
Chlorobenzene	8.2
1,4-Dichlorobenzene	4 J
1,2-Dichloropropane	3.4 J
Ethyl Benzene	51
Methylene Chloride	110
Toluene	20,000
m/p Xylene	6.4 J
Xylenes (total)	9.8 J
SVOCs	µg/L
2,4-Dimethylphenol	320
Phenol	490,000

Sample Location	BC-SB-120
Date	6/1/2022
VOCs	µg/L
Acetone	110 J
Benzene	9.4
Ethyl Benzene	45
Methylene Chloride	23 J
Toluene	150
1,2,3-Trichloropropane	2.6 J
SVOCs	µg/L
2,4-Dimethylphenol	120
Phenol	34,000

Sample Location	BC-SB-112
Date	6/6/2022
VOCs	µg/L
Acetone	92
Benzene	11 J
2-Butanone (MEK)	63 J
Ethyl Benzene	6.6 J
Methylene Chloride	11 J
Toluene	1,300
SVOCs	µg/L
Bis(2-chloroisopropyl)ether	130
2,4-Dimethylphenol	59
Phenol	40,000

Sample Location	BC-SB-113
Date	6/6/2022
VOCs	µg/L
Acetone	420
Benzene	32
2-Butanone (MEK)	390 J
Ethyl Benzene	26 J
Methylene Chloride	58 J
Toluene	4,400
SVOCs	µg/L
2,4-Dimethylphenol	120
Phenol	100,000

Sample Location	BC-SB-101
Date	6/8/2022
VOCs	µg/L
Acetone	320 J
Benzene	28 J
2-Butanone (MEK)	150 J
Ethyl Benzene	18 J
Methylene Chloride	32 J
Toluene	4,800

Sample Location	BC-SB-118
Date	5/31/2022
VOCs	µg/L
Acetone	85 J
Benzene	12 J
Chlorobenzene	23
Ethyl Benzene	81
Methylene Chloride	9.6 J
Toluene	1,400
m/p Xylene	34 J
o-Xylene	26
Xylenes (total)	60 J
SVOCs	µg/L
2,4-Dimethylphenol	160
Phenol	10,000

Sample Location	BC-SB-111
Date	6/7/2022
VOCs	µg/L
Acetone	150 J
Benzene	21 J
Chlorobenzene	13 J
1,4-Dichlorobenzene	4.5 J
Ethyl Benzene	12 J
Toluene	2,200
SVOCs	µg/L
2,4-Dimethylphenol	64
Phenol	56,000

Sample Location	BC-SB-102
Date	6/9/2022
VOCs	µg/L
Acetone	360 J
Benzene	27 J
2-Butanone (MEK)	170 J
Ethyl Benzene	16 J
Methylene Chloride	28 J
Toluene	4800
SVOCs	µg/L
2,4-Dimethylphenol	91 J
Phenol	170,000

Sample Location	BC-SB-117
Date	6/1/2022
SVOCs	µg/L
Phenol	140

Sample Location	BC-SB-103
Date	6/9/2022
VOCs	µg/L
Benzene	4.8 J
Toluene	540
SVOCs	µg/L
Bis(2-chloroisopropyl)ether	24 J
Phenol	10,000

Sample Location	BC-SB-110
Date	6/7/2022
VOCs	µg/L
Acetone	190 J
Benzene	26 J
Chlorobenzene	12 J
Ethyl Benzene	30 J
Toluene	3,900
SVOCs	µg/L
Phenol	33,000

Sample Location	BC-SB-109
Date	6/7/2022
VOCs	µg/L
Benzene	7.6
Chlorobenzene	6.7
Toluene	290
SVOCs	µg/L
Phenol	2,700

Sample Location	BC-SB-108
Date	6/8/2022
VOCs	µg/L
Acetone	110 J
Benzene	14 J
Ethyl Benzene	13 J
Toluene	2,500
SVOCs	µg/L
Phenol	25,000

Sample Location	BC-SB-107
Date	6/7/2022
VOCs	µg/L
Acetone	140 J
Benzene	16 J
2-Butanone (MEK)	58 J
Chlorobenzene	5.2 J
Ethyl Benzene	8 J
Methylene Chloride	8.8 J
Toluene	1600
SVOCs	µg/L
Phenol	27,000

Sample Location	BC-SB-105
Date	6/7/2022
VOCs	µg/L
Benzene	8.2
Toluene	220
SVOCs	µg/L
Phenol	12,000

Sample Location	BC-SB-104
Date	6/8/2022
VOCs	µg/L
Acetone	210 J
Benzene	18 J
2-Butanone (MEK)	94 J
Ethyl Benzene	9.2 J
Toluene	3100
SVOCs	µg/L
2,4-Dimethylphenol	54 J
Phenol	77,000

LEGEND

BORDEN CHEMICAL SITE BOUNDARY

SOIL BORING

CONSTITUENT	CLASS GA VALUE*
VOCs	µg/L
Acetone	50
Benzene	1
2-Butanone (MEK)	50
Chlorobenzene	5
1,2-Dichlorobenzene	3
1,4-Dichlorobenzene	3
1,2-Dichloropropane	1
Ethyl Benzene	5
Isopropylbenzene (Cumene)	5
Naphthalene	10
Methylene Chloride	5
Tetrachloroethylene	5
Toluene	5
1,2,3-Trichloropropane	0.04
m/p Xylene	5
o-Xylene	5
Xylenes (total)	5
SVOCs	µg/L
Bis(2-chloroisopropyl)ether	5
1,2-Dichlorobenzene	3
1,4-Dichlorobenzene	3
2,4-Dimethylphenol	50
Naphthalene	10
Phenol	1

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND BOUNDARIES ARE APPROXIMATE.
2. SURVEY WAS COMPLETED ON SEPTEMBER 23, 2022 BY SUSAN M. ANACKER, PLS.
3. VALUES IN **BOLD** INDICATE THE ANALYTE WAS DETECTED.
4. **VALUES SHOWN IN BOLD AND SHADED TYPE EXCEED THE LISTED GUIDANCE VALUE.**

ACRONYMS:
ug/L - MICROGRAMS PER LITER
J - ESTIMATED VALUE
SVOCs - SEMI VOLATILE ORGANIC COMPOUNDS
VOCs - VOLATILE ORGANIC COMPOUNDS
* - NYSDEC AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES FOR CLASS GA WATER

BASE MAP: GOOGLE EARTH IMAGERY
DATA SOURCES: TRC

1:475
1" = 40'
0 20 40 FEET

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORMER BORDEN CHEMICAL - NYSDEC SITE NO. 709001
TOWN OF BAINBRIDGE, CHENANGO COUNTY, NEW YORK
SUPPLEMENTAL INVESTIGATION

TITLE: **VOC AND SVOC EXCEEDANCES IN GROUNDWATER GRAB SAMPLES JUNE 2022**

DRAWN BY:	L. LILL	PROJ. NO.:	441641.0000.0000
CHECKED BY:	C. SEROWIK		
APPROVED BY:	J. BONE		**FIGURE 5**
DATE:	JUNE 2023		

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3 CORPORATE DRIVE
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CLIFTON PARK, NY 12065
PHONE: 518.348.1190

FILE: SIReport_2022.aprx

Coordinate System: NAD 1983 StatePlane New York Central FIPS 3102 Feet; Map Rotation: 0
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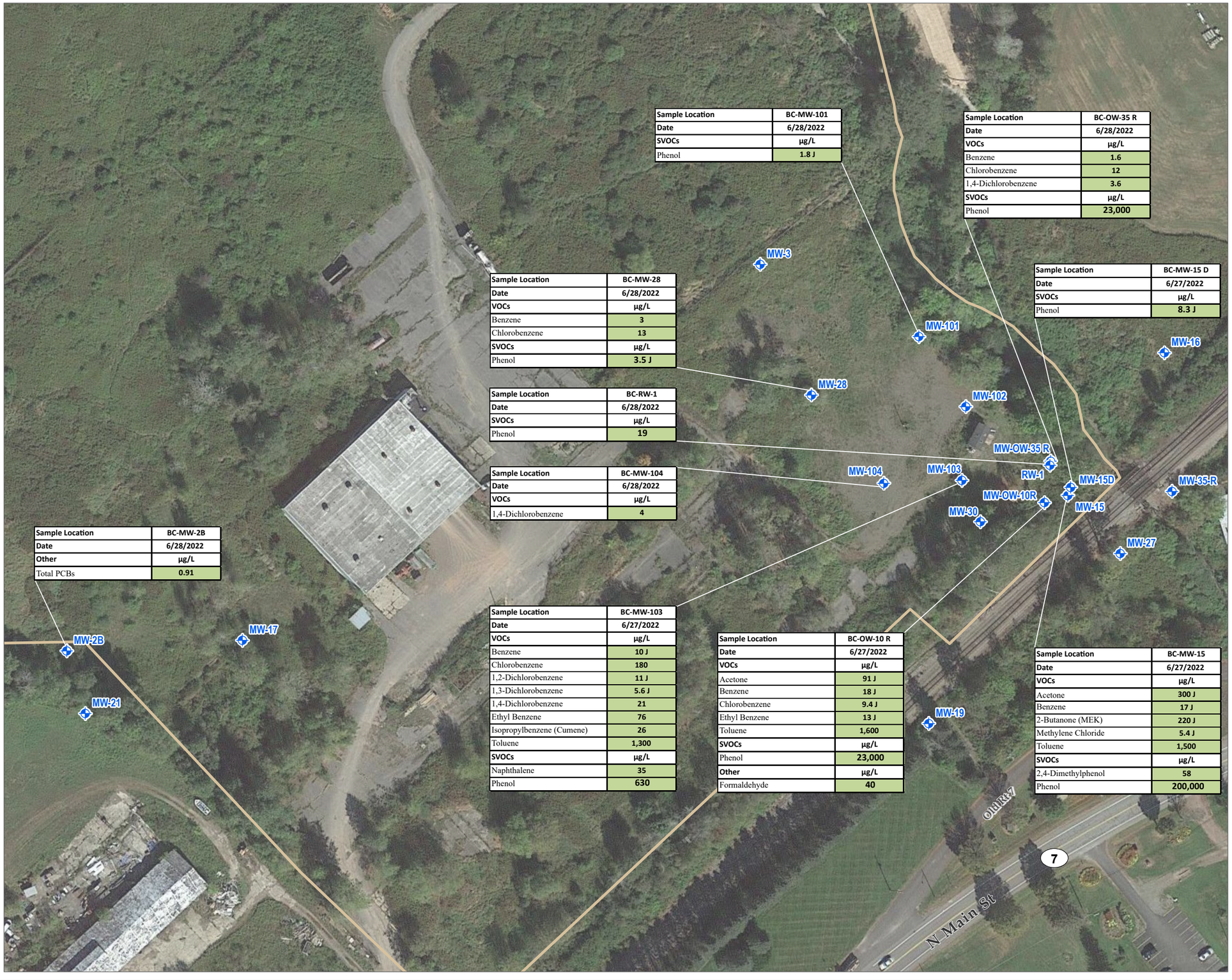

Sample Location	BC-MW-101
Date	6/28/2022
SVOCs	µg/L
Phenol	1.8 J

Sample Location	BC-OW-35 R
Date	6/28/2022
VOCs	µg/L
Benzene	1.6
Chlorobenzene	12
1,4-Dichlorobenzene	3.6
SVOCs	µg/L
Phenol	23,000

Sample Location	BC-MW-28
Date	6/28/2022
VOCs	µg/L
Benzene	3
Chlorobenzene	13
SVOCs	µg/L
Phenol	3.5 J

Sample Location	BC-MW-15 D
Date	6/27/2022
SVOCs	µg/L
Phenol	8.3 J

Sample Location	BC-RW-1
Date	6/28/2022
SVOCs	µg/L
Phenol	19

Sample Location	BC-MW-104
Date	6/28/2022
VOCs	µg/L
1,4-Dichlorobenzene	4

Sample Location	BC-MW-2B
Date	6/28/2022
Other	µg/L
Total PCBs	0.91

Sample Location	BC-MW-103
Date	6/27/2022
VOCs	µg/L
Benzene	10 J
Chlorobenzene	180
1,2-Dichlorobenzene	11 J
1,3-Dichlorobenzene	5.6 J
1,4-Dichlorobenzene	21
Ethyl Benzene	76
Isopropylbenzene (Cumene)	26
Toluene	1,300
SVOCs	µg/L
Naphthalene	35
Phenol	630

Sample Location	BC-OW-10 R
Date	6/27/2022
VOCs	µg/L
Acetone	91 J
Benzene	18 J
Chlorobenzene	9.4 J
Ethyl Benzene	13 J
Toluene	1,600
SVOCs	µg/L
Phenol	23,000
Other	µg/L
Formaldehyde	40

Sample Location	BC-MW-15
Date	6/27/2022
VOCs	µg/L
Acetone	300 J
Benzene	17 J
2-Butanone (MEK)	220 J
Methylene Chloride	5.4 J
Toluene	1,500
SVOCs	µg/L
2,4-Dimethylphenol	58
Phenol	200,000

LEGEND

BORDEN CHEMICAL SITE BOUNDARY

MONITORING WELL

CONSTITUENT	CLASS GA VALUE*
VOCs	µg/L
Acetone	50
Benzene	1
2-Butanone (MEK)	50
Chlorobenzene	5
1,2-Dichlorobenzene	3
1,3-Dichlorobenzene	3
1,4-Dichlorobenzene	3
Ethyl Benzene	5
Isopropylbenzene (Cumene)	5
Methylene Chloride	5
Toluene	5
SVOCs	µg/L
2,4-Dimethylphenol	50
Naphthalene	10
Phenol	1
Other	µg/L
Total PCBs	0.09
Formaldehyde	8

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND BOUNDARIES ARE APPROXIMATE.
2. SURVEY WAS COMPLETED ON SEPTEMBER 23, 2022 BY SUSAN M. ANACKER, PLS.
3. VALUES IN **BOLD** INDICATE THE ANALYTE WAS DETECTED.
4. **VALUES SHOWN IN BOLD AND SHADED TYPE EXCEED THE LISTED GUIDANCE VALUE.**

ACRONYMS:
ug/L - MICROGRAMS PER LITER
J - ESTIMATED VALUE
SVOCs - SEMI VOLATILE ORGANIC COMPOUNDS
VOCs - VOLATILE ORGANIC COMPOUNDS
* - NYSDEC AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES FOR CLASS GA WATER

BASE MAP: GOOGLE EARTH IMAGERY
DATA SOURCES: TRC

N

1:1,200
1" = 100'

0 50 100 FEET

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORMER BORDEN CHEMICAL - NYSDEC SITE NO. 709001
TOWN OF BAINBRIDGE, CHENANGO COUNTY, NEW YORK
SUPPLEMENTAL INVESTIGATION

TITLE:
VOC, SVOC, FORMALDEHYDE, AND PCB EXCEEDANCES IN LOW FLOW GROUNDWATER SAMPLES

DRAWN BY:	L. LILL	PROJ. NO.:	441641.0000.0000
CHECKED BY:	C. SEROWIK		
APPROVED BY:	J. BONE		FIGURE 6
DATE:	JUNE 2023		

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3 CORPORATE DRIVE
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PHONE: 518.348.1190

FILE: SIReport_2022.aprx

Coordinate System: NAD 1983 StatePlane New York Central FIPS 3102 Feet; Map Rotation: 0
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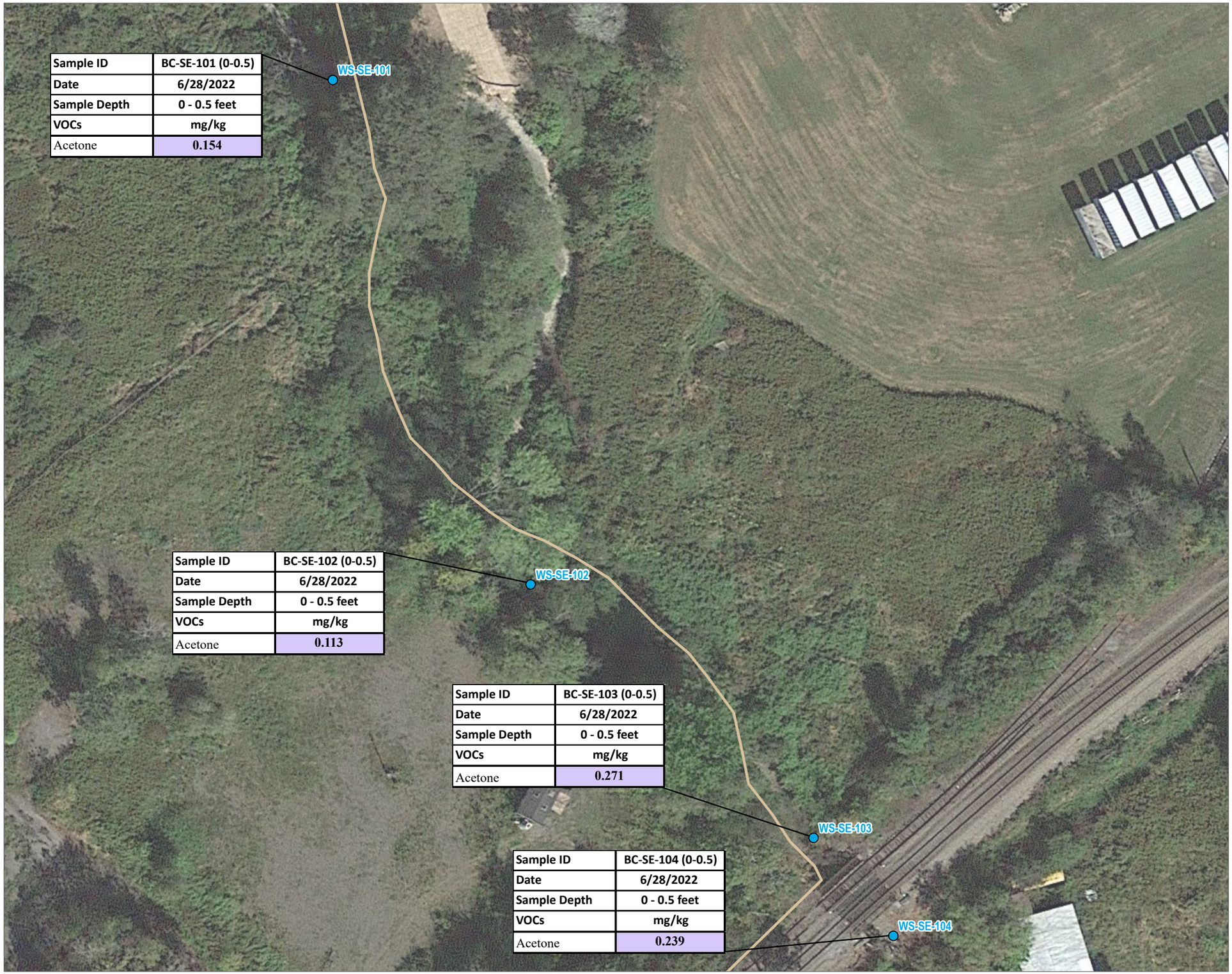

LEGEND

- BORDEN CHEMICAL SITE BOUNDARY
- SEDIMENT SAMPLE

CONSTITUENT	NYSDEC UUSCO	NYSDEC CUSCO
VOCs	mg/kg	mg/kg
Acetone	0.05	500

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND BOUNDARIES ARE APPROXIMATE.
2. SURVEY WAS COMPLETED ON SEPTEMBER 23, 2022 BY SUSAN M. ANACKER, PLS.
3. **VALUES SHOWN IN BOLD AND COLOR TYPE EXCEED THE CORRESPONDING LISTED NYSDEC CRITERIA.**

ACRONYMS:
MG/KG - MILLIGRAMS PER KILOGRAM (DRY WEIGHT) OR PARTS PER MILLION (PPM)
NYSDEC UUSCO - TITLE 6 NYCRR PART 375, TABLE 375-6.8(a) UNRESTRICTED USE SOIL CLEANUP OBJECTIVES
NYSDEC CUSCO - TITLE 6 NYCRR PART 375, TABLE 375-6.8(b) COMMERCIAL USE SOIL CLEANUP OBJECTIVES
VOCs - VOLATILE ORGANIC COMPOUNDS

BASE MAP: GOOGLE EARTH IMAGERY
DATA SOURCES: TRC

N

1:600
1" = 50'
0 25 50 FEET

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORMER BORDEN CHEMICAL - NYSDEC SITE NO. 709001
TOWN OF BAINBRIDGE, CHENANGO COUNTY, NEW YORK
SUPPLEMENTAL INVESTIGATION

TITLE:
VOC AND SVOC EXCEEDNACES IN SEDIMENT JUNE 2022

DRAWN BY:	L. LILL	PROJ. NO.:	441641.0000.0000
CHECKED BY:	C. SEROWIK		**FIGURE 7**
APPROVED BY:	J. BONE		
DATE:	JUNE 2023		

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PHONE: 518.348.1190

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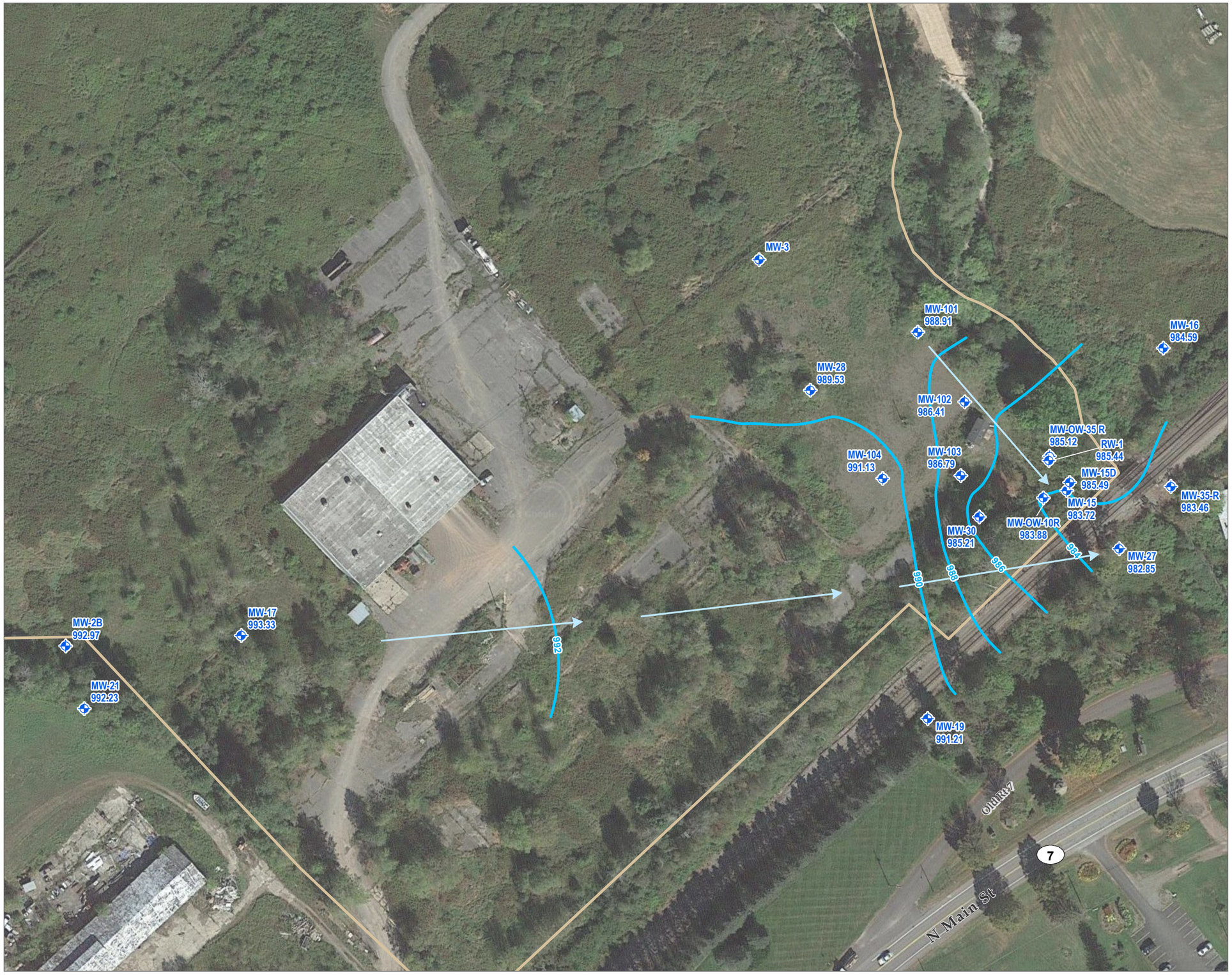

LEGEND

- BORDEN CHEMICAL SITE BOUNDARY
- 993.33 GROUNDWATER SURFACE ELEVATION (FEET AMSL)
- GROUNDWATER FLOW DIRECTION
- MONITORING WELL

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND BOUNDARIES ARE APPROXIMATE.
2. SURVEY WAS COMPLETED ON SEPTEMBER 23, 2022 BY SUSAN M. ANACKER, PLS.
3. POTENTIOMETRIC SURFACE ELEVATIONS WERE COLLECTED ON JUNE 27, 2022.
4. AMSL - ABOVE MEAN SEA LEVEL.

BASE MAP: GOOGLE EARTH IMAGERY
DATA SOURCES: TRC

N

1:1,200
1" = 100'

0 50 100 FEET

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORMER BORDEN CHEMICAL - NYSDEC SITE NO. 709001
TOWN OF BAINBRIDGE, CHENANGO COUNTY, NEW YORK
SUPPLEMENTAL INVESTIGATION

TITLE:
GROUNDWATER SURFACE ELEVATION AND FLOW MAP - JUNE 2022

DRAWN BY:	L. LILL	PROJ. NO.:	441641.0000.0000
CHECKED BY:	C. SEROWIK		FIGURE 8
APPROVED BY:	J. BONE		
DATE:	JANUARY 2023		

TRC
10 MAXWELL DRIVE
CLIFTON PARK, NY 12065
PHONE: 518-348-1190

FILE: SIReport_2022.aprx

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TABLES

Table 1
New York State Department of Environmental Conservation
Former Borden Chemical - Site No. 709001
Supplemental Investigation Report
Bainbridge, New York
Summary of Groundwater Surface Elevations

Well ID	Screened Formation	Casing Elevation[1] (feet)	Depth to Bottom (feet below TOC)	Gauge Date	Depth to Water (feet below TOC)	Groundwater Elevation[1] (feet AMSL)
MW-2B	Fill	999.66	11.87	6/27/2022	6.69	992.97
MW-3	Silty Sand	995.43	Casing broken at 4.5 feet below TOC			
MW-15	Fill / Clayey Silt	995.31	16.52	6/27/2022	11.59	983.72
MW-15D	*	994.59	31.68	6/27/2022	9.10	985.49
MW-16	Clayey Silt	990.14	17.22	6/27/2022	5.55	984.59
MW-17	Clayey Silt	1000.68	16.09	6/27/2022	7.35	993.33
MW-19	Silt	997.21	15.05	6/27/2022	6.00	991.21
MW-21	Silt	998.11	17.54	6/27/2022	5.88	992.23
MW-27	Silty Clay	987.93	10.20	6/27/2022	5.08	982.85
MW-28	Silty Clay	996.51	16.75	6/27/2022	6.98	989.53
MW-30	Silty Clay	996.54	14.29	6/27/2022	11.33	985.21
MW-35R	*	988.96	13.97	6/27/2022	5.50	983.46
OW-10R	*	996.81	18.15	6/27/2022	12.93	983.88
OW-35R	*	996.25	18.05	6/27/2022	11.13	985.12
RW-1	*	992.14	18.30	6/27/2022	6.70	985.44
MW-101	Silt	994.45	15.74	6/27/2022	5.54	988.91
MW-102	Sandy Silt	996.03	17.55	6/27/2022	9.62	986.41
MW-103	Silt	996.11	21.83	6/27/2022	9.32	986.79
MW-104	Gravelly Sand	996.93	18.65	6/27/2022	5.80	991.13

Notes:
[1] Surveyed elevations provided by Susan M. Anacker, Professional Land Surveyor, September 2022
AMSL - Above Mean Sea Level
ID - Identification
TOC - Top of Casing
* - Well construction data is not available

Table 2
New York State Department of Environmental Conservation
Former Borden Chemical - Site No.709001
Supplemental Investigation Report
Bainbridge, New York
Analytical Summary of VOCs in Soil Samples - June 2022

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New York State Department of Environmental Conservation
Former Borden Chemical - Site No.709001
Supplemental Investigation Report
Bainbridge, New York
Analytical Summary of VOCs in Soil Samples - June 2022

Analyte	NYSDEC UUSCO	NYSDEC CUSCO	BC-SB-112 22F0551-12 6-7 ft 6/6/2022		BC-SB-113 22F0551-06 10-11 ft 6/6/2022		BC-SB-114 22F0551-08 6-7 ft 6/6/2022		BC-SB-115 22F0278-01 9-10 ft 5/31/2022		BC-SB-116 22F0551-03 6-7 ft 6/3/2022		BC-SB-117 22F0278-08 6-7 ft 6/1/2022		BC-SB-118 22F0278-05 14-15 ft 5/31/2022		BC-FD-01 22F0278-07 14-15 ft 5/31/2022		BC-SB-119 22F0278-25 2-3 ft 6/2/2022		BC-SB-120 22F0278-11 7-8 ft 6/1/2022		BC-SB-121 22F0278-18 5-6 ft 6/2/2022		BC-SB-122 22F0278-14 6-7 ft 6/1/2022		BC-SB-123 22F0278-22 4-5 ft 6/2/2022		BC-SB-124 22F0278-20 4-5 ft 6/2/2022		BC-SB-125 22F0278-16 6-7 ft 6/1/2022	
			Results (mg/kg)																													
VOCs																																
Acetone	0.05	500	**0.025**	J	0.073	U	**0.0082**	J	**0.010**	J	**0.014**	J	0.06	U	0.66	U	2.3	U	**0.015**	J	300	U	0.093	U	0.079	U	**0.060**	J	0.08	U	0.08	U
Acrylonitrile	NC	NC	0.0048	U	0.0044	U	0.0051	U	0.0055	U	0.0039	U	0.0036	U	0.04	U	0.23	U	0.0042	U	30	U	0.0056	U	0.0047	U	0.0052	U	0.0048	U	0.0048	U
tert-Amylmethyl Ether (TAME)	NC	NC	0.0008	U	0.00073	U	0.00084	U	0.00091	U	0.00065	U	0.0006	U	0.0066	U	0.023	U	0.0007	U	3	U	0.00093	U	0.00079	U	0.00087	U	0.0008	U	0.0008	U
Benzene	0.06	44	0.0016	U	0.0015	U	0.0017	U	0.0018	U	**0.00039**	J	0.0012	U	0.013	U	0.045	U	0.0014	U	6.1	U	0.0019	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U
Bromobenzene	NC	NC	0.0016	U	0.0015	U	0.0017	U	0.0018	U	0.0013	U	0.0012	U	0.013	U	0.045	U	0.0014	U	6.1	U	0.0019	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U
Bromochloromethane	NC	NC	0.0016	U	0.0015	U	0.0017	U	0.0018	U	0.0013	U	0.0012	U	0.013	U	0.045	U	0.0014	U	6.1	U	0.0019	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U
Bromodichloromethane	NC	NC	0.0016	U	0.0015	U	0.0017	U	0.0018	U	0.0013	U	0.0012	U	0.013	U	0.045	U	0.0014	U	6.1	U	0.0019	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U
Bromoform	NC	NC	0.0016	U	0.0015	U	0.0017	U	0.0018	U	0.0013	U	0.0012	U	0.013	U	0.045	U	0.0014	U	6.1	U	0.0019	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U
Bromomethane	NC	NC	0.008	U	0.0073	U	0.0084	U	0.0091	U	0.0065	U	0.006	U	0.066	U	0.091	U	0.007	U	9.3	U	0.0093	U	0.0079	U	0.0087	U	0.008	U	0.008	U
2-Butanone (MEK)	0.12	500	0.032	U	0.029	U	0.034	U	0.037	U	0.026	U	0.024	U	0.27	U	0.91	U	0.028	U	9.8	U	0.037	U	0.032	U	0.035	U	0.032	U	0.032	U
tert-Butyl Alcohol	NC	NC	0.08	U	0.073	U	0.084	U	0.091	U	0.065	U	0.06	U	0.66	U	0.91	U	0.07	U	28	U	0.093	U	0.079	U	0.087	U	0.08	U	0.08	U
n-Butylbenzene	12	500	0.0016	U	0.0015	U	0.0017	U	0.0018	U	0.0013	U	0.0012	U	0.013	U	0.045	U	0.0014	U	6.1	U	0.0019	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U
sec-Butylbenzene	11	500	0.0016	U	0.0015	U	0.0017	U	0.0018	U	0.0013	U	0.0012	U	0.013	U	0.045	U	0.0014	U	6.1	U	0.0019	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U
tert-Butylbenzene	5.9	500	0.0016	U	0.0015	U	0.0017	U	0.0018	U	0.0013	U	0.0012	U	0.013	U	0.045	U	0.0014	U	6.1	U	0.0019	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U
tert-Butylethyl Ether (TBEE)	NC	NC	0.0008	U	0.00073	U	0.00084	U	0.00091	U	0.00065	U	0.0006	U	0.0066	U	0.023	U	0.0007	U	3	U	0.00093	U	0.00079	U	0.00087	U	0.0008	U	0.0008	U
Carbon Disulfide	NC	NC	0.008	U	0.0073	U	0.0084	U	0.0091	U	0.0065	U	0.006	U	0.066	U	0.23	U	0.007	U	8.2	U	0.0093	U	0.0079	U	0.0087	U	0.008	U	0.008	U
Carbon Tetrachloride	0.76	22	0.0016	U	0.0015	U	0.0017	U	0.0018	U	0.0013	U	0.0012	U	0.013	U	0.045	U	0.0014	U	6.1	U	0.0019	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U
Chlorobenzene	1.1	500	0.0016	U	0.0015	U	0.0017	U	**0.0089**		0.0013	U	**0.00075**	J	**0.0057**	J	0.045	U	0.0014	U	6.1	U	**0.0054**		0.0016	U	**0.0024**		**0.0016**		**0.00078**	J
Chloroethane	NC	NC	0.016	U	0.015	U	0.017	U	0.018	U	0.013	U	0.012	U	0.13	U	0.091	U	0.014	U	12	U	0.019	U	0.016	U	0.017	U	0.016	U	0.016	U
Chloroform	0.37	350	0.0032	U	0.0029	U	0.0034	U	0.0037	U	0.0026	U	0.0024	U	0.027	U	0.091	U	0.0028	U	12	U	0.0037	U	0.0032	U	0.0035	U	0.0032	U	0.0032	U
Chloromethane	NC	NC	0.008	U	0.0073	U	0.0084	U	0.0091	U	0.0065	U	0.006	U	0.066	U	0.091	U	0.007	U	3.2	U	0.0093	U	0.0079	U	0.0087	U	0.008	U	0.008	U
2-Chlorotoluene	NC	NC	0.0016	U	0.0015	U	0.0017	U	0.0018	U	0.0013	U	0.0012	U	0.013	U	0.045	U	0.0014	U	6.1	U	0.0019	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U
4-Chlorotoluene	NC	NC	0.0016	U	0.0015	U	0.0017	U	0.0018	U	0.0013	U	0.0012	U	0.013	U	0.045	U	0.0014	U	6.1	U	0.0019	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U
Chlorodibromomethane	NC	NC	0.0008	U	0.00073	U	0.00084	U	0.00091	U	0.00065	U	0.0006	U	0.0066	U	0.023	U	0.0007	U	3	U	0.00093	U	0.00079	U	0.00087	U	0.0008	U	0.0008	U
1,2-Dibromo-3-Chloropropane (DBCP)	NC	NC	0.0016	U	0.0015	U	0.0017	U	0.0018	U	0.0013	U	0.0012	U	0.013	U	0.23	U	0.0014	U	4.9	U	0.0019	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U
1,2-Dibromoethane	NC	NC	0.0008	U	0.00073	U	0.00084	U	0.00091	U	0.00065	U	0.0006	U	0.0066	U	0.023	U	0.0007	U	3	U	0.00093	U	0.00079	U	0.00087	U	0.0008	U	0.0008	U
Dibromomethane	NC	NC	0.0016	U	0.0015	U	0.0017	U	0.0018	U	0.0013	U	0.0012	U	0.013	U	0.045	U	0.0014	U	6.1	U	0.0019	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U
1,2-Dichlorobenzene	1.1	500	0.0016	U	0.0015	U	0.0017	U	**0.0051**		0.0013	U	**0.00033**	J	**0.0052**	J	0.045	U	0.0014	U	**5.8**	J	**0.0022**		**0.00044**	J	**0.00072**	J	0.0016	U	**0.00084**	J
1,3-Dichlorobenzene	2.4	280	0.0016	U	0.0015	U	0.0017	U	**0.0033**		0.0013	U	0.0012	U	0.013	U	0.045	U	0.0014	U	6.1	U	**0.0016**	J	0.0016	U	0.0017	U	0.0016	U	0.0016	U
1,4-Dichlorobenzene	1.8	130	0.0016	U	**0.00052**	J	0.0017	U	**0.0014**		0.0013	U	**0.00067**	J	0.013	U	0.045	U	0.0014	U	**5.6**	J	**0.0046**		**0.00057**	J	**0.0016**	J	**0.00050**	J	**0.0011**	J
traNC-1,4-Dichloro-2-Butene	NC	NC	0.0032	U	0.0029	U	0.0034	U	0.0037	U	0.0026	U	0.0024	U	0.027	U	0.091	U	0.0028	U	9.8	U	0.0037	U	0.0032	U	0.0035	U	0.0032	U	0.0032	U
Dichlorodifluoromethane (Freon 12)	NC	NC	0.016	U	0.015	U	0.017	U	0.018	U	0.013	U	0.012	U	0.13	U	0.091	U	0.014	U	12	U	0.019	U	0.016	U	0.017	U	0.016	U	0.016	U
1,1-Dichloroethane	0.27	240	0.0016	U	0.0015	U	0.0017	U	0.0018	U	0.0013	U	0.0012	U	0.013	U	0.045	U	0.0014	U	6.1	U	0.0019	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U
1,2-Dichloroethane	0.02	30	0.0016	U	0.0015	U	0.0017	U	0.0018	U	0.0013	U	0.0012	U	0.013	U	0.045	U	0.0014	U	6.1	U	0.0019	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U
1,1-Dichloroethylene	0.33	500	0.0032	U	0.0029	U	0.0034	U	0.0037	U	0.0026	U	0.0024	U	0.027	U	0.045	U	0.0028	U	6.1	U	0.0037	U	0.0032	U	0.0035	U	0.0032	U	0.0032	U
cis-1,2-Dichloroethylene	0.25	500	0.0016	U	0.0015	U	0.0017	U	0.0018	U	0.0013	U	0.0012	U	0.013	U	0.045	U	0.0014	U	6.1	U	0.0019	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U
traNC-1,2-Dichloroethylene	0.19	500	0.0016	U	0.0015	U	0.0017	U	0.0018	U	0.0013	U	0.0012	U	0.013	U	0.045	U	0.0014	U	6.1	U	0.0019	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U
1,2-Dichloropropane	NC	NC	0.0016	U	0.0015	U	0.0017	U	0.0018	U	0.0013	U	0.0012	U	0.013	U	0.045	U	0.0014	U	6.1	U	0.0019	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U
1,3-Dichloropropane	NC	NC	0.0008	U	0.00073	U	0.00084	U	0.00091	U	0.00065	U	0.0006	U	0.0066	U	0.023	U	0.0007	U	3	U	0.00093	U	0.00079	U	0.00087	U	0.0008	U	0.0008	U
2,2-Dichloropropane	NC	NC	0.0016	U	0.0015	U	0.0017	U	0.0018	U	0.0013	U	0.0012	U	0.013	U	0.045	U	0.0014	U	6.1	U	0.0019	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U
1,1-Dichloropropene	NC	NC	0.0016	U	0.0015	U	0.0017	U	0.0018	U	0.0013	U	0.0012	U	0.013	U	0.091	U	0.0014	U	12	U	0.0019	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U
cis-1,3-Dichloropropene	NC	NC	0.0008	U	0.00073	U	0.00084	U	0.00091	U	0.00065	U	0.0006	U	0.0066	U	0.023	U	0.0007	U	3	U	0.00093	U	0.00079	U	0.00087	U	0.0008	U	0.0008	U
traNC-1,3-Dichloropropene	NC	NC	0.0008	U	0.00073	U	0.00084	U	0.00091	U	0.00065	U	0.0006	U	0.0066	U	0.023	U	0.0007	U	3	U	0.00093	U	0.00079	U	0.00087	U	0.0008	U	0.0008	U
Diethyl Ether	NC	NC	0.016	U	0.015	U	0.017	U	0.018	U	0.013	U	0.012	U	0.13	U	0.091	U	0.014	U	12	U	0.019	U	0.016	U	0.017	U	0.016	U	0.016	U
Diisopropyl Ether (DIPE)	NC	NC	0.0008	U	0.00073	U	0.00084	U	0.00091	U	0.00065	U	0.0006	U	0.0066	U	0.023	U	0.0007	U	3	U	0.00093	U	0.00079	U	0.00087	U	0.0008	U	0.0008	U
1,4-Dioxane	0.1	130	0.08	U	0.073	U	0.084	U	0.091	U	0.065	U	0.06	U	0.66	U	2.3	U	0.07	U	300	U	0.093	U	0.079	U	0.087	U	0.08	U	0.08	U
Ethyl Benzene	1	390	0.0016	U	0.0015	U	0.0017	U	**0.0032**		0.0013	U	**0.00048**	J	**0.093**		**0.094**		0.0014	U	6.1	U	0.0019	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U
Hexachlorobutadiene	NC	NC	0.0016	U	0.0015	U	0.0017	U	0.0018	U	0.0013	U	0.0012	U	0.013	U	0.045	U	0.0014	U	6.1	U	0.0019	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U
2-Hexanone (MBK)	NC	NC	0.016	U	0.015	U	0.017	U	0.018	U	0.013	U	0.012	U	0.13	U	0.45	U	0.014	U	61	U	0.019	U	0.016	U	0.017	U	0.016	U	0.016	U
Isopropylbenzene (Cumene)	NC	NC	0.0016	U	0.0015	U	0.0017	U	**0.0012**	J	0.0013	U	0.0012	U	0.013	U	0.045	U	0.0014	U	**1.5**	J	0.0019	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U
p-Isopropyltoluene (p-Cymene)	NC	NC	0.0016	U	0.0015	U	0.0017	U	0.0018	U	0.0013	U	0.0012	U	0.013	U	0.045	U	0.0014	U	6.1	U	0.0019	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U
Methyl Acetate	NC	NC	0.0016	U	0.0015	U	0.0017	U	0.0018	U	0.0013	U	0.0012	U	0.013	U	0.45	U	0.0014	U	61	U	0.0019	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U
Methyl tert-Butyl Ether (MTBE)	0.93	500	0.0032	U	0.0029	U	0.0034	U	0.0037	U	0.0026	U	0.0024	U	0.027	U	0.045	U	0.0028	U	6.1	U	0.0037	U	0.0032	U	0.0035	U	0.0032	U	0.0032	U
Methyl Cyclohexane	NC	NC	0.0016	U	0.0015	U	0.0017	U	0.0018	U	0.0013	U	0.0012	U	0.013	U	0.045	U	0.0014	U	6.1	U	0.0019	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U
Methylene Chloride	0.05	500	0.016	U	0.015	U	0.017	U	0.018	U	0.013	U	0.012	U	0.13	U	0.23	U	0.014	U	30	U	0.019	U	0.016	U	0.017	U	0.016	U	0.016	U
4-Methyl-2-pentanone (MIBK)	NC	NC	0.016	U	0.015	U	0.017	U	0.018	U	0.013	U	0.012	U	0.13	U	0.45	U	0.014	U	7.8	U	0.019	U	0.016	U	0.017	U	0.016	U	0.016	U
Naphthalene	12	500	0.0032	U	**0.0025**	J	0.0034	U	**0.0077**		0.0026	U	**0.00043**	J	**0.011**	J	0.091	U	0.0028	U	**5.3**	J	0.0037	U	0.0032	U	0.0035	U	0.0032	U	0.0032	U
n-Propylbenzene	3.9	500	0.0016	U	0.0015	U	0.0017	U	0.0018	U	0.0013	U	0.0012	U	0.013	U	0.045	U	0.0014	U	6.1	U	0.0019	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U
Styrene	NC	NC	0.0016	U	0.0015	U	0.0017	U	0.0018	U	0.0013	U	0.0012	U	0.013	U	0.045	U	0.0014	U	6.1	U	0.0019	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U
1,1,1,2-Tetrachloroethane	NC	NC	0.0016	U	0.0015	U	0.0017	U	0.0018	U	0.0013	U	0.0012	U	0.013	U	0.045	U	0.0014	U	6.1	U	0.0019	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U
1,1,2,2-Tetrachloroethane	NC	NC	0.0008	U	0.00073	U	0.00084	U	0.00091	U	0.00065	U	0.0006	U	0.0066	U	0.023	U	0.0007	U	3	U	0.00093	U	0.00079	U	0.00087	U	0.0008	U	0.0008	U
Tetrachloroethylene	1.3	150	0.0016	U	0.0015	U	0.0017	U	0.0018	U	0.0013	U	0.0012	U	0.013	U	0.045	U	0.0014	U	6.1	U	0.0019	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U
Tetrahydrofuran	NC	NC	0.008	U	0.0073	U	0.0084	U	0.0091	U	0.0065	U	0.006	U	0.066	U	0.45	U	0.007	U	61	U	0.0093	U	0.0079	U	0.0087	U	0.008	U	0.008	U
Toluene	0.7	500	0.0016	U	**0.0017**		0.0017	U	**0.0043**		**0.0018**		**0.0013**		**0.35**		**0.22**		0.0014	U	**170**		0.0019	U	**0.00099**	J	**0.0010**	J	0.0016	U	0.0016	U
1,2,3-Trichlorobenzene	NC	NC	0.0016	U	0.0015	U	0.0017	U	0.0018	U	0.0013	U	0.0012	U	0.013	U	0.23	U	0.0014	U	30	U	0.0019	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U
1,2,4-Trichlorobenzene	NC	NC	0.0016	U	0.0015	U	0.0017	U	0.0018	U	0.0013	U	0.0012	U	0.013	U	0.045	U	0.0014	U	6.1	U	0.0019	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U
1,3,5-Trichlorobenzene	NC	NC	0.0016	U	0.0015	U	0.0017	U	0.0018	U	0.0013	U	0.0012	U	0.013	U	0.045	U	0.0014	U	6.1	U	0.0019	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U
1,1,1-Trichloroethane	0.68	500	0.0016	U	0.0015	U	0.0017	U	0.0018	U	0.0013	U	0.0012	U	0.013	U	0.045	U	0.0014	U	6.1	U	0.0019	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U
1,1,2-Trichloroethane	NC	NC	0.0016	U	0.0015	U	0.0017	U	0.0018	U	0.0013	U	0.0012	U	0.013	U	0.045	U	0.0014	U	6.1	U	0.0019	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U
Trichloroethylene	0.47	200	0.0016	U	0.0015	U	0.0017	U	0.0018	U	0.0013	U	0.0012	U	0.013	U	0.045	U	0.0014	U	6.1	U	0.0019	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U
Trichlorofluoromethane (Freon 11)	NC	NC	0.008	U	0.0073	U	0.0084	U	0.0091	U	0.0065	U	0.006	U	0.066	U	0.091	U	0.007	U	12	U	0.0093	U	0.0079	U	0.0087	U	0.008	U	0.008	U
1,2,3-Trichloropropane	NC	NC	0.0016	U	0.0015	U	0.0017	U	0.0018	U	0.0013	U	0.0012	U	0.013	U	0.091	U	0.0014	U	12	U	0.0019	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	NC	NC	0.008	U	0.0073	U	0.0084	U	0.0091	U	0.0065	U	0.006	U	0.066	U	0.045	U	0.007	U	6.1	U	0.0093	U	0.0079	U	0.0087	U	0.008	U	0.008	U
1,2,4-Trimethylbenzene	3.6	190	0.0016	U	0.0015	U	0.0017	U	0.0018	U	0.0013	U	0.0012	U	0.013	U	0.045	U	0.0014	U	6.1	U	0.0019	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U
1,3,5-Trimethylbenzene	8.4	190	0.0016	U	0.0015	U	0.0017	U	0.0018	U	0.0013	U	0.0012	U	0.013	U	0.045	U	0.0014	U	6.1	U	0.0019	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U
Vinyl Chloride	0.02	13	0.008	U	0.0073	U	0.0084	U	0.0091	U	0.0065	U	0.006	U	0.066	U	0.091	U	0.007	U	12	U	0.0093	U	0.0079	U	0.0087	U	0.008	U	0.008	U
m/p Xylene	0.26*	500*	0.0032	U	0.0029	U	0.0034	U	0.0037	U	0.0026	U	0.0024	U	**0.019**	J	0.091	U	0.0028	U	2.8	U	0.0037	U	0.0032	U	0.0035	U	0.0032	U	0.0032	U
o-Xylene	0.26*	500*	0.0016	U	0.0015	U	0.0017	U	0.0018	U	0.0013	U	0.0012	U	**0.0055**	J	0.045	U	0.0014	U	6.1	U	0.0019	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U
Xylenes (total)	0.26	500	0.0032	U	0.0029	U	0.0034	U	0.0037	U	0.0026	U	0.0024	U	**0.0245**	J	0.091	U	0.0028	U	2.8	U	0.0037	U	0.0032	U	0.0035	U	0.0032	U	0.0032	U

Notes:
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
J - Estimated value.
NC - No NYSDEC SCOs exist for this analyte.
NYSDEC UUSCO - Title 6 NYCRR Part 375, Table 375-6.8(a) Unrestricted Use Soil Cleanup Objectives
NYSDEC CUSCO - Title 6 NYCRR Part 375, Table 375-6.8(b) Commercial Use Soil Cleanup Objectives
U - Analyte was not detected at specified quantitation limit.
Values in **bold** indicate the analyte was detected.
Values shown in bold and color type exceed the corresponding listed NYSDEC criteria.
VOCs - Volatile Organic Compounds.

Table 3
New York State Department of Environmental Conservation
Former Borden Chemical - Site No.709001
Supplemental Investigation Report
Bainbridge, New York
Analytical Summary of SVOCs in Soil Samples -- June 2022

| | | |

Table 3
New York State Department of Environmental Conservation
Former Borden Chemical - Site No.709001
Supplemental Investigation Report
Bainbridge, New York
Analytical Summary of SVOCs in Soil Samples -- June 2022

| | | |

Table 4
New York State Department of Environmental Conservation
Former Borden Chemical - Site No.709001
Supplemental Investigation Report
Bainbridge, New York
Summary of VOCs and SVOCs in Groundwater Grab Samples - June 2022

Sample ID		BC-SB-101		BC-FD-04		BC-SB-102		BC-SB-103		BC-SB-104		BC-SB-105		BC-SB-106		BC-SB-107		BC-SB-108		BC-SB-109		BC-SB-110		BC-SB-111		BC-SB-112		BC-SB-113		BC-SB-114		BC-SB-115		BC-SB-116		BC-SB-117		BC-FD-02		BC-SB-118		BC-SB-119		BC-SB-120		BC-SB-121		BC-SB-122		BC-SB-123		BC-SB-124		BC-SB-125	
Laboratory ID		22F0762-05		22F0762-06		22F0762-11		22F0762-13		22F0762-08		22F0551-17		22F0551-11		22F0551-15		22F0762-03		22F0551-23		22F0551-20		22F0551-19		22F0551-13		22F0551-07		22F0551-09		22F0278-02		22F0551-04		22F0278-09		22F0278-10		22F0278-06		22F0278-26		22F0278-12		22F0278-19		22F0278-15		22F0278-23		22F0278-21		22F0278-17	
Sample Depth		12-16 ft		12-16 ft		12-16 ft		12-16 ft		12-16 ft		11-15 ft		8-12 ft		8-12 ft		12-16 ft		12-16 ft		12-16 ft		12-16 ft		8-12 ft		8-12 ft		10-14 ft		7-11 ft		12-16 ft		12-16 ft		12-16 ft		7-11 ft		12-16 ft		8-12 ft		10-14 ft		7-11 ft		7-11 ft		8-12 ft	
Sample Date		6/8/2022		6/8/2022		6/9/2022		6/9/2022		6/8/2022		6/7/2022		6/6/2022		6/7/2022		6/8/2022		6/7/2022		6/7/2022		6/7/2022		6/6/2022		6/6/2022		6/6/2022		5/31/2022		6/3/2022		6/1/2022		6/1/2022		5/31/2022		6/2/2022		6/1/2022		6/2/2022		6/1/2022		6/2/2022		6/2/2022		6/1/2022	
Analyte	Class GA Value*	Results (µg/L)																																																	
VOCs																																																			
Acetone	50	**320**	J	**370**	J	**360**	J	**31**	J	**210**	J	**21**	J	**1,700**		**140**	J	**110**	J	**21**	J	**190**	J	**150**	J	**92**	J	**420**	J	**17**	J	50	U	**790**	J	8.1	U	**3.3**	J	**85**	J	50	U	**110**	J	**2.9**	J	4.1	U	50	U	50	U	50	U
Acrylonitrile	NC	27	U	27	U	27	U	25	U	22	U	10	U	25	U	11	U	14	U	20	U	27	U	14	U	11	U	27	U	20	U	5	U	55	U	20	U	5	U	11	U	5	U	25	U	5	U	10	U	5	U	5	U	5	U
tert-Amylmethyl Ether (TAME)	NC	7.1	U	7.1	U	7.1	U	2.5	U	5.7	U	1	U	2.5	U	2.9	U	3.6	U	2	U	7.1	U	3.6	U	2.9	U	7.1	U	2	U	0.5	U	50	U	2	U	0.5	U	2.9	U	0.5	U	2.5	U	0.5	U	1	U	0.5	U	0.5	U	0.5	U
Benzene	1	**28**	J	**28**	J	**27**	J	**4.8**	J	**18**	J	**8.2**		**100**		**16**	J	**14**	J	**7.6**		**26**	J	**21**	J	**11**	J	**32**	J	**4.2**		1	U	**53**	J	4	U	**0.34**	J	**12**	J	**0.87**	J	**9.4**		**0.25**	J	**2.0**	J	1	U	1	U	**0.67**	J
Bromobenzene	5	7.5	U	7.5	U	7.5	U	5	U	6	U	2	U	5	U	3	U	3.8	U	4	U	7.5	U	3.8	U	3	U	7.5	U	4	U	1	U	15	U	4	U	1	U	3	U	1	U	5	U	1	U	2	U	1	U	1	U	1	U
Bromochloromethane	5	50	U	50	U	50	U	5	U	40	U	2	U	5	U	6.1	U	7.6	U	4	U	50	U	7.6	U	6.1	U	50	U	4	U	1	U	31	U	4	U	1	U	6.1	U	1	U	5	U	1	U	2	U	1	U	1	U	1	U
Bromodichloromethane	50	9	U	9	U	9	U	2.5	U	7.2	U	1	U	2.5	U	3.6	U	4.5	U	2	U	9	U	4.5	U	3.6	U	9	U	2	U	0.5	U	50	U	2	U	0.5	U	3.6	U	0.5	U	2.5	U	0.5	U	1	U	0.5	U	0.5	U	0.5	U
Bromoform	50	50	U	50	U	50	U	5	U	40	U	2	U	5	U	7.7	U	9.6	U	4	U	50	U	9.6	U	7.7	U	50	U	4	U	1	U	38	U	4	U	1	U	7.7	U	1	U	5	U	1	U	2	U	1	U	1	U	1	U
Bromomethane	5	77	U	77	U	77	U	7.7	U	80	U	3.1	U	7.7	U	31	U	50	U	6.2	U	77	U	38	U	31	U	77	U	6.2	U	2	U	500	U	8	U	2	U	40	U	2	U	7.7	U	2	U	4	U	2	U	2	U	2	U
2-Butanone (MEK)	50	**150**	J	**230**	J	**170**	J	**12**	J	**94**	J	**4.4**	J	**1,500**		**58**	J	500	U	80	U	81	U	**50**	J	**63**	J	**390**	J	**8.5**	J	20	U	**700**	J	80	U	20	U	400	U	20	U	**21**	J	20	U	40	U	20	U	20	U	20	U
tert-Butyl Alcohol	NC	230	U	230	U	230	U	23	U	800	U	9.4	U	23	U	94	U	500	U	80	U	230	U	500	U	94	U	230	U	80	U	4.7	U	470	U	80	U	4.7	U	94	U	4.7	U	23	U	4.7	U	9.4	U	4.7	U	4.7	U	4.7	U
n-Butylbenzene	5	7.6	U	7.6	U	7.6	U	5	U	6.1	U	2	U	5	U	3	U	3.8	U	4	U	7.6	U	3.8	U	3	U	7.6	U	4	U	1	U	15	U	4	U	1	U	3	U	1	U	5	U	1	U	2	U	1	U	1	U	1	U
sec-Butylbenzene	5	50	U	50	U	50	U	5	U	40	U	**0.60**	J	**0.70**	J	20	U	25	U	**1.1**	J	50	U	25	U	20	U	50	U	**0.96**	J	1	U	11	U	4	U	1	U	20	U	**0.16**	J	5	U	1	U	**0.60**	J	1	U	1	U	**0.39**	J
tert-Butylbenzene	5	6.4	U	6.4	U	6.4	U	5	U	5.2	U	2	U	5	U	20	U	3.2	U	4	U	6.4	U	3.2	U	20	U	6.4	U	4	U	1	U	13	U	4	U	1	U	20	U	1	U	5	U	1	U	2	U	1	U	1	U	1	U
tert-Butylethyl Ether (TBEE)	NC	7.4	U	7.4	U	7.4	U	2.5	U	5.9	U	1	U	2.5	U	3	U	3.7	U	2	U	7.4	U	3.7	U	3	U	7.4	U	2	U	0.5	U	50	U	2	U	0.5	U	3	U	0.5	U	2.5	U	0.5	U	1	U	0.5	U	0.5	U	0.5	U
Carbon Disulfide	60	72	U	72	U	72	U	7.2	U	58	U	2.9	U	7.2	U	29	U	36	U	5.8	U	72	U	36	U	29	U	72	U	5.8	U	5	U	500	U	5.8	U	5	U	29	U	5	U	7.2	U	5	U	2.9	U	5	U	5	U	5	U
Carbon Tetrachloride	5	8.2	U	8.2	U	8.2	U	25	U	6.6	U	10	U	25	U	3.3	U	4.1	U	20	U	8.2	U	4.1	U	3.3	U	8.2	U	20	U	5	U	500	U	20	U	5	U	3.3	U	5	U	25	U	5	U	10	U	5	U	5	U	5	U
Chlorobenzene	5	50	U	50	U	50	U	**4.0**	J	40	U	**3.4**		**8.2**		**5.2**	J	25	U	**6.7**		**12**	J	**13**	J	**4.4**	J	50	U	**7.6**		**2.4**		**47**	J	**3.4**	J	**3.8**		**23**		**7.8**		**2.8**	J	**2.3**		**17**		**1.6**		**2.5**		**6.4**	
Chloroethane	5	16	U	16	U	16	U	10	U	80	U	4	U	10	U	6.4	U	8	U	8	U	16	U	8	U	6.4	U	16	U	8	U	2	U	32	U	8	U	2	U	6.4	U	2	U	10	U	2	U	4	U	2	U	2	U	2	U
Chloroform	7	8.4	U	8.4	U	8.4	U	10	U	80	U	4	U	10	U	40	U	50	U	8	U	8.4	U	50	U	40	U	8.4	U	8	U	2	U	200	U	8	U	2	U	40	U	2	U	10	U	2	U	4	U	2	U	2	U	2	U
Chloromethane	5	26	U	26	U	26	U	2.6	U	80	U	4	U	2.6	U	40	U	50	U	8	U	26	U	50	U	40	U	26	U	8	U	2	U	52	U	8	U	2	U	40	U	2	U	2.6	U	2	U	4	U	2	U	2	U	2	U
2-Chlorotoluene	NC	50	U	50	U	50	U	5	U	40	U	2	U	5	U	20	U	25	U	4	U	50	U	25	U	20	U	50	U	4	U	1	U	11	U	4	U	1	U	20	U	1	U	5	U	1	U	2	U	1	U	1	U	1	U
4-Chlorotoluene	NC	50	U	50	U	50	U	5	U	40	U	2	U	5	U	20	U	25	U	4	U	50	U	25	U	20	U	50	U	4	U	1	U	12	U	4	U	1	U	20	U	1	U	5	U	1	U	2	U	1	U	1	U	1	U
Cyclohexane	NC	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
Chlorodibromomethane	50	25	U	25	U	25	U	2.5	U	8.9	U	1	U	2.5	U	4.4	U	5.6	U	2	U	25	U	5.6	U	4.4	U	25	U	2	U	0.5	U	50	U	2	U	0.5	U	4.4	U	0.5	U	2.5	U	0.5	U	1	U	0.5	U	0.5	U	0.5	U
1,2-Dibromo-3-Chloropropane	0.04	40	U	40	U	40	U	4	U	32	U	10	U	4	U	16	U	20	U	3.2	U	40	U	20	U	16	U	40	U	3.2	U	5	U	80	U	3.2	U	5	U	16	U	5	U	4	U	5	U	10	U	5	U	5	U	5	U
1,2-Dibromoethane	0.0006	8.5	U	8.5	U	8.5	U	2.5	U	6.8	U	1	U	2.5	U	3.4	U	4.3	U	2	U	8.5	U	4.3	U	3.4	U	8.5	U	2	U	0.5	U	50	U	2	U	0.5	U	3.4	U	0.5	U	2.5	U	0.5	U	1	U	0.5	U	0.5	U	0.5	U
Dibromomethane	NC	50	U	50	U	50	U	5	U	40	U	2	U	5	U	7.1	U	8.8	U	4	U	50	U	8.8	U	7.1	U	50	U	4	U	1	U	35	U	4	U	1	U	7.1	U	1	U	5	U	1	U	2	U	1	U	1	U	1	U
1,2-Dichlorobenzene	3	6.1	U	6.1	U	6.1	U	5	U	40	U	**0.52**	J	**3.0**	J	20	U	3	U	**0.88**	J	6.1	U	3	U	20	U	6.1	U	**1.6**	J	**0.33**	J	**21**	J	4	U	**0.34**	J	20	U	**0.91**	J	**1.6**	J	**0.49**	J	**0.68**	J	1	U	1	U	**0.58**	J
1,3-Dichlorobenzene	3	50	U	50	U	50	U	5	U	40	U	**0.26**	J	**0.60**	J	20	U	3	U	4	U	50	U	3	U	20	U	50	U	**0.60**	J	1	U	12	U	4	U	**0.22**	J	20	U	**0.52**	J	5	U	**0.18**	J	**0.52**	J	1	U	1	U	**0.28**	J
1,4-Dichlorobenzene	3	6.5	U	6.5	U	6.5	U	5	U	5.2	U	**1.4**	J	**4.0**	J	20	U	3.3	U	**2.0**	J	6.5	U	**4.5**	J	20	U	6.5	U	**3.8**	J	**0.75**	J	**22**	J	**1.1**	J	**1.1**		20	U	**2.5**		**1.4**	J	**0.67**	J	**1.6**	J	1	U	**0.30**	J	**0.93**	J
trans-1,4-Dichloro-2-Butene	NC	81	U	81	U	81	U	8.1	U	80	U	4	U	8.1	U	40	U	50	U	8	U	81	U	50	U	40	U	81	U	8	U	2	U	200	U	8	U	2	U	40	U	2	U	8.1	U	2	U	4	U	2	U	2	U	2	U
Dichlorodifluoromethane (Freon 12)	5	9.6	U	9.6	U	9.6	U	10	U	80	U	4	U	10	U	40	U	50	U	8	U	9.6	U	50	U	40	U	9.6	U	8	U	2	U	200	U	8	U	2	U	40	U	2	U	10	U	2	U	4	U	2	U	2	U	2	U
1,1-Dichloroethane	5	7.1	U	7.1	U	7.1	U	5	U	5.7	U	2	U	5	U	20	U	3.5	U	4	U	7.1	U	3.5	U	20	U	7.1	U	4	U	1	U	14	U	4	U	1	U	5	U	1	U	5	U	1	U	2	U	1	U	1	U	1	U
1,2-Dichloroethane	0.6	50	U	50	U	50	U	5	U	40	U	2	U	5	U	6.2	U	7.7	U	4	U	50	U	7.7	U	6.2	U	50	U	4	U	1	U	31	U	4	U	1	U	6.2	U	1	U	5	U	1	U	2	U	1	U	1	U	1	U
1,1-Dichloroethylene	5	7.1	U	7.1	U	7.1	U	5	U	5.7	U	2	U	5	U	20	U	3.5	U	4	U	7.1	U	3.5	U	20	U	7.1	U	4	U	1	U	14	U	4	U	1	U	20	U	1	U	5	U	1	U	2	U	1	U	1	U	1	U
cis-1,2-Dichloroethylene	5	7.3	U	7.3	U	7.3	U	5	U	5.9	U	2	U	5	U	20	U	3.7	U	4	U	7.3	U	3.7	U	20	U	7.3	U	4	U	1	U	15	U	4	U	**0.18**	J	20	U	1	U	**5.0**		1	U	2	U	1	U	1	U	1	U
trans-1,2-Dichloroethylene	5	8.4	U	8.4	U	8.4	U	5	U	6.7	U	2	U	5	U	3.4	U	4.2	U	4	U	8.4	U	4.2	U	3.4	U	8.4	U	4	U	1	U	17	U	4	U	1	U	3.4	U	1	U	5	U	1	U	2	U	1	U	1	U	1	U
1,2-Dichloropropane	1	9.1	U	9.1	U	9.1	U	5	U	7.2	U	2	U	**3.4**	J	3.6	U	4.5	U	4	U	9.1	U	4.5	U	3.6	U	9.1	U	4	U	1	U	18	U	4	U	1	U	3.6	U	1	U	5	U	1	U	2	U	1	U	1	U	1	U
1,3-Dichloropropane	NC	6.5	U	6.5	U	6.5	U	2.5	U	5.2	U	1	U	2.5	U	2.6	U	3.3	U	2	U	6.5	U	3.3	U	2.6	U	6.5	U	2	U	0.5	U	50	U	2	U	0.5	U	2.6	U	0.5	U	2.5	U	0.5	U	1	U	0.5	U	0.5	U	0.5	U
2,2-Dichloropropane	NC	50	U	50	U	50	U	5	U	40	U	2	U	5	U	6.5	U	8.2	U	4	U	50	U	8.2	U	6.5	U	50	U	4	U	1	U	33	U	4	U	1	U	6.5	U	1	U	5	U	1	U	2	U	1	U	1	U	1	U
1,1-Dichloropropene	NC	7.5	U	7.5	U	7.5	U	10	U	80	U	4	U	10	U	40	U	50	U	8	U	7.5	U	50	U	40	U	7.5	U	8	U	2	U	200	U	8	U	2	U	40	U	2	U	10	U	2	U	4	U	2	U	2	U	2	U
cis-1,3-Dichloropropene	0.4(a)	7.9	U	7.9	U	7.9	U	2.5	U	6.3	U	1	U	2.5	U	3.2	U	4	U	2	U	7.9	U	4	U	3.2	U	7.9	U	2	U	0.5	U	50	U	2	U	0.5	U	3.2	U	0.5	U	2.5	U	0.5	U	1	U	0.5	U	0.5	U	0.5	U
trans-1,3-Dichloropropene	0.4(a)	8.4	U	8.4	U	8.4	U	2.5	U	6.7	U	1	U	2.5	U	3.4	U	4.2	U	2	U	8.4	U	4.2	U	3.4	U	8.4	U	2	U	0.5	U	50	U	2	U	0.5	U	3.4	U	0.5	U	2.5	U	0.5	U	1	U	0.5	U	0.5	U	0.5	U
Diethyl Ether	NC	9.1	U	9.1	U	9.1	U	10	U	80	U	4	U	10	U	40	U	50	U	8	U	9.1	U	50	U	40	U	9.1	U	8	U	2	U	200	U	8	U	2	U	40	U	2	U	10	U	2	U	4	U	2	U	2	U	2	U
Diisopropyl Ether (DIPE)	NC	6.4	U	6.4	U	6.4	U	2.5	U	5.1	U	1	U	2.5	U	2.6	U	3.2	U	2	U	6.4	U	3.2	U	2.6	U	6.4	U	2	U	0.5	U	50	U	2	U	0.5	U	2.6	U	0.5	U	2.5	U	0.5	U	1	U	0.5	U	0.5	U	0.5	U
1,4-Dioxane	NC	2,500	U	2,500	U	2,500	U	250	U	820	U	41	U	250	U	410	U	520	U	82	U	2,500	U	520	U	410	U	2,500	U	82	U	50	U	5,000	U	82	U	50	U	410	U	50	U	250	U	50	U	41	U	50	U	50	U	50	U
Ethyl Benzene	5	**18**	J	**22**	J	**16**	J	**2.1**	J	**9.2**	J	**2.1**		**51**		**8.0**	J	**13**	J	**2.6**	J	**30**	J	**12**	J	**6.6**	J	**26**	J	**4.6**		1	U	**73**	J	4	U	**0.41**	J	**81**		1	U	**45**		1	U	**0.48**	J	1	U	1	U	1	U
Hexachlorobutadiene	0.5	30	U	30	U	30	U	3	U	24	U	1.2	U	3	U	9.1	U	15	U	2.4	U	30	U	15	U	9.1	U	30	U	2.4	U	0.6	U	60	U	2.4	U	0.6	U	9.1	U	0.6	U	3	U	0.6	U	1.2	U	0.6	U	0.6	U	0.6	U
2-Hexanone (MBK)	50	56	U	56	U	56	U	50	U	45	U	20	U	**17**	J	22	U	28	U	40	U	56	U	28	U	22	U	56	U	40	U	10	U	110	U	40	U	10	U	22	U	10	U	50	U	10	U	20	U	10	U	10	U	10	U
Isopropylbenzene (Cumene)	5	50	U	50	U	50	U	5	U	40	U	**0.56**	J	**3.8**	J	20	U	25	U	**0.96**	J	50	U	**2.8**	J	20	U	50	U	**2.1**	J	1	U	**14**	J	4	U	**0.30**	J	**4.0**	J	**0.73**	J	**0.90**	J	1	U	**0.94**	J	1	U	1	U	**0.18**	J
p-Isopropyltoluene (p-Cymene)	5	50	U	50	U	50	U	5	U	40	U	2	U	**1.5**	J	20	U	25	U	4	U	50	U	25	U	20	U	50	U	4	U	1	U	9.7	U	4	U	1	U	20	U	1	U	5	U	1	U	2	U	1	U	1	U	1	U
Methyl Acetate	NC	50	U	50	U	50	U	5	U	40	U	2	U	**550**		9.1	U	25	U	4	U	50	U	25	U	9.1	U	50	U	4	U	1	U	**160**		4	U	1	U	9.1	U	1	U	5	U	1	U	2	U	1	U	1	U	1	U
Methyl tert-Butyl Ether (MTBE)	10	8.6	U	8.6	U	8.6	U	5	U	6.9	U	2	U	5	U	3.4	U	4.3	U	4	U	8.6	U	4.3	U	3.4	U	8.6	U	4	U	1	U	17	U	4	U	1	U	3.4	U	1	U	5	U	1	U	2	U	1	U	1	U	1	U
Methyl Cyclohexane	NC	50	U	50	U	50	U	5	U	9.8	U	2	U	U		4.9	U	6.1	U	4	U	50	U	6.1	U	4.9	U	50	U	4	U	1	U	24	U	4	U	1	U	4.9	U	1	U	5	U	1	U	2	U	1	U	1	U	1	U
Methylene Chloride	5	**32**	J	250	U	**28**	J	**1.6**	J	9.4	U	10	U	**110**		**8.8**	J	5.9	U	20	U	250	U	5.9	U	**11**	J	**58**	J	20	U	5	U	**180**	J	20	U	5	U	**9.6**	J	5	U	10	U	5	U	5	U	5	U	5	U	5	U
4-Methyl-2-pentanone (MIBK)	NC	64	U	64	U	64	U	6.4	U	51	U	**4.1**	J	**270**		26	U	32	U	5.1	U	64	U	32	U	26	U	**66**	J	5.1	U	10	U	**180**	J	5.1	U	10	U	**90**	J	10	U	**31**	J	10	U	20	U	10	U	10	U	10	U
Naphthalene	10	12	U	12	U	12	U	10	U	9.7	U	**0.60**	J	**6.4**	J	40	U	6.1	U	8	U	12	U	6.1	U	40	U	12	U	**2.9**	J	2	U	**29**	J	8	U	**0.48**	J	**10**	J	2	U	**3.8**	J	2	U	**0.58**	J	2	U	2	U	2	U
n-Propylbenzene	5	50	U	50	U	50	U	5	U	40	U	2	U	5	U	20	U	25	U	4	U	50	U	25	U	20	U	50	U	4	U	1	U	8.6	U	4	U	1	U	20	U	1	U	5	U	1	U	2	U	1	U	1	U	1	U
Styrene	5	50	U	50	U	50	U	5	U	40	U	2	U	5	U	20	U	25	U	4	U	50	U	25	U	20	U	50	U	4	U	1	U	11	U	4	U	1	U	20	U	1	U	5	U	1	U	2	U	1	U	1	U	1	U
1,1,1,2-Tetrachloroethane	NC	8.9	U	8.9	U	8.9	U	5	U	7.1	U	2	U	5	U	3.6	U	4.4	U	4	U	8.9	U	4.4	U	3.6	U	8.9	U	4	U	1	U	18	U	4	U	1	U	3.6	U	1	U	5	U	1	U	2	U	1	U	1	U	1	U
1,1,2,2-Tetrachloroethane	5	6.3	U	6.3	U	6.3	U	2.5	U	5.1	U	1	U	2.5	U	2.5	U	3.2	U	2	U	6.3	U	3.2	U	2.5	U	6.3	U	2	U	0.5	U	50	U	2	U	0.5	U	2.5	U	0.5	U	2.5	U	0.5	U	1	U	0.5	U	0.5	U	0.5	U
Tetrachloroethylene	5	9.4	U	9.4	U	9.4	U	5	U	7.5	U	2	U	5	U	3.7	U	4.7	U	4	U	9.4	U	4.7	U	3.7	U	9.4	U	4	U	1	U	**210**		4	U	1	U	3.7	U	1	U	5	U	1	U	2	U	1	U	1	U	1	U
Tetrahydrofuran	NC	500	U	500	U	500	U	50	U	400	U	20	U	50	U	9.8	U	250	U	40	U	500	U	250	U	9.8	U	500	U	40	U	10	U	49	U	40	U	10	U	9.8	U	10	U	50	U	10	U	20	U	10	U	10	U	10	U
Toluene	5	**4,800**		**4,900**		**4,800**		**540**		**3,100**		**220**		**20,000**		**1,600**		**2,500**		**290**		**3,900**		**2,200**		**1,300**		**4,400**		**290**		**0.46**	J	**12,000**		**3.1**	J	**3.3**		**1,400**		**0.34**	J	**150**		1	U	**3.6**		1	U	1	U	**0.29**	J
1,2,3-Trichlorobenzene	5	250	U	250	U	250	U	25	U	200	U	10	U	25	U	6.1	U	7.6	U	20	U	250	U	7.6	U	6.1	U	250	U	20	U	5	U	500	U	20	U	5	U	6.1	U	5	U	25	U	5	U	10	U	5	U	5	U	5	U
1,2,4-Trichlorobenzene	5	50	U	50	U	50	U	5	U	9.9	U	2	U	5	U	5	U	6.2	U	4	U	50	U	6.2	U	5	U	50	U	4	U	1	U	25	U	4	U	1	U	5	U	1	U	5	U	1	U	2	U	1	U	1	U	1	U
1,3,5-Trichlorobenzene	NC	50	U	50	U	50	U	5	U	8.4	U	2	U	5	U	4.2	U	5.3	U	4	U	50	U	5.3	U	4.2	U	50	U	4	U	1	U	21	U	4	U	1	U	4.2	U	1	U	5	U	1	U	2	U	1	U	1	U	1	U
1,1,1-Trichloroethane	5	8.4	U	8.4	U	8.4	U	5	U	6.8	U	2	U	5	U	3.4	U	4.2	U	4	U	8.4	U	4.2	U	3.4	U	8.4	U	4	U	1	U	17	U	4	U	1	U	3.4	U	1	U	5	U	1	U	2	U	1	U	1	U	1	U
1,1,2-Trichloroethane	1	9.1	U	9.1	U	9.1	U	5	U	7.3	U	2	U	5	U	3.7	U	4.6	U	4	U	9.1	U	4.6	U	3.7	U	9.1	U	4	U	1	U	18	U	4	U	1	U	3.7	U	1	U	5	U	1	U	2	U	1	U	1	U	1	U
Trichloroethylene	5	9.5	U	9.5	U	9.5	U	5	U	7.6	U	2	U	5	U	3.8	U	4.7	U	4	U	9.5	U	4.7	U	3.8	U	9.5	U	4	U	1	U	19	U	4	U	1	U	3.8	U	1	U	5	U	1	U	2	U	**0.26**	J	1	U	1	U
Trichlorofluoromethane (Freon 11)	5	8.8	U	8.8	U	8.8	U	10	U	80	U	4	U	10	U	40	U	50	U	8	U	8.8	U	50	U	40	U	8.8	U	8	U	2	U	200	U	8	U	2	U	40	U	2	U	10	U	2	U	4	U	2	U	2	U	2	U
1,2,3-Trichloropropane	0.04	14	U	14	U	14	U	10	U	80	U	4	U	10	U	5.6	U	7	U	8	U	14	U	7	U	5.6	U	14	U	8	U	2	U	28	U	8	U	2	U	5.6	U	2	U	**2.6**	J	2	U	4	U	2	U	2	U	2	U
Freon 113	5	50	U	50	U	50	U	5	U	9.1	U	2	U	5	U	4.5	U	5.7	U	4	U	50	U	5.7	U	4.5	U	50	U	4	U	1	U	23	U	4	U	1	U	4.5	U	1	U	5	U	1	U	2	U	1	U	1	U	1	U
1,2,4-Trimethylbenzene	5	9.9	U	9.9	U	9.9	U	5	U	8	U	2	U	5

Table 4
New York State Department of Environmental Conservation
Former Borden Chemical - Site No.709001
Supplemental Investigation Report
Bainbridge, New York
Summary of VOCs and SVOCs in Groundwater Grab Samples - June 2022

Sample ID		BC-SB-101	BC-FD-04	BC-SB-102	BC-SB-103	BC-SB-104	BC-SB-105	BC-SB-106	BC-SB-107	BC-SB-108	BC-SB-109	BC-SB-110	BC-SB-111	BC-SB-112	BC-SB-113	BC-SB-114	BC-SB-115	BC-SB-116	BC-SB-117	BC-FD-02	BC-SB-118	BC-SB-119	BC-SB-120	BC-SB-121	BC-SB-122	BC-SB-123	BC-SB-124	BC-SB-125
Laboratory ID		22F0762-05	22F0762-06	22F0762-11	22F0762-13	22F0762-08	22F0551-17	22F0551-11	22F0551-15	22F0762-03	22F0551-23	22F0551-20	22F0551-19	22F0551-13	22F0551-07	22F0551-09	22F0278-02	22F0551-04	22F0278-09	22F0278-10	22F0278-06	22F0278-26	22F0278-12	22F0278-19	22F0278-15	22F0278-23	22F0278-21	22F0278-17
Sample Depth		12-16 ft	12-16 ft	12-16 ft	12-16 ft	12-16 ft	11-15 ft	8-12 ft	8-12 ft	12-16 ft	12-16 ft	12-16 ft	12-16 ft	8-12 ft	8-12 ft	8-12 ft	10-14 ft	7-11 ft	12-16 ft	12-16 ft	12-16 ft	7-11 ft	12-16 ft	8-12 ft	10-14 ft	7-11 ft	7-11 ft	8-12 ft
Sample Date		6/8/2022	6/8/2022	6/9/2022	6/9/2022	6/8/2022	6/7/2022	6/6/2022	6/7/2022	6/8/2022	6/7/2022	6/7/2022	6/7/2022	6/6/2022	6/6/2022	6/6/2022	5/31/2022	6/3/2022	6/1/2022	6/1/2022	5/31/2022	6/2/2022	6/1/2022	6/2/2022	6/1/2022	6/2/2022	6/2/2022	6/1/2022
Analyte	Class GA Value*	**Results (µg/L)**																										
SVOCs																												
Acenaphthene	20	NA	5.1 U	5.1 U	5.1 U	5.1 U	5 U	24 U	5 U	5.1 U	5 U	25 U	25 U	25 U	5 U	4.9 U	4.9 U	5 U	4.9 U	4.9 U	42 U	4.9 U	4.1 U	4.9 U	5 U	4.9 U	4.9 U	4.9 U
Acenaphthylene	NC	NA	49 U	49 U	49 U	49 U	5 U	24 U	5 U	49 U	5 U	25 U	25 U	25 U	49 U	**0.52 J**	4.9 U	48 U	**0.54 J**	**0.48 J**	**5.7 J**	4.9 U	39 U	4.9 U	5 U	4.9 U	4.9 U	4.9 U
Acetophenone	NC	NA	98 U	98 U	98 U	98 U	9.9 U	49 U	9.9 U	98 U	9.9 U	**31 J**	**20 J**	49 U	97 U	9.7 U	9.7 U	**43 J**	9.9 U	9.9 U	**160**	9.8 U	**14 J**	9.8 U	10 U	9.9 U	9.8 U	9.8 U
Aniline	5	NA	6.8 U	6.8 U	6.8 U	6.8 U	5 U	3.4 U	5 U	6.8 U	5 U	3.4 U	3.5 U	3.4 U	6.8 U	4.9 U	4.9 U	6.7 U	4.9 U	4.9 U	5.9 U	4.9 U	5.5 U	4.9 U	5 U	4.9 U	4.9 U	4.9 U
Anthracene	50	NA	49 U	49 U	49 U	49 U	5 U	24 U	5 U	49 U	5 U	25 U	25 U	25 U	49 U	4.9 U	4.9 U	48 U	4.9 U	4.9 U	42 U	4.9 U	39 U	4.9 U	5 U	4.9 U	4.9 U	4.9 U
Benzidine	5	NA	200 U	200 U	200 U	200 U	20 U	97 U	20 U	200 U	20 U	98 U	52 U	98 U	190 U	19 U	19 U	190 U	20 U	20 U	87 U	20 U	81 U	20 U	20 U	20 U	20 U	20 U
Benzoic Acid	NC	NA	**6,600**	**5,100**	**840**	**2,900**	**300**	**16,000**	**5,100**	**1,900**	**110**	**1,100**	**2,400**	**2,200**	**6,200**	**990**	9.7 U	**2,800**	9.9 U	9.9 U	84 U	9.8 U	**1,100**	9.8 U	8.4 U	9.9 U	9.8 U	9.8 U
Benzo(a)anthracene	0.002	NA	49 U	49 U	49 U	49 U	5 U	24 U	5 U	49 U	5 U	25 U	25 U	25 U	49 U	4.9 U	4.9 U	48 U	4.9 U	4.9 U	42 U	4.9 U	39 U	4.9 U	5 U	4.9 U	4.9 U	4.9 U
Benzo(a)pyrene	0	NA	5.6 U	5.6 U	5.6 U	5.6 U	5 U	24 U	5 U	5.6 U	5 U	25 U	25 U	25 U	5.5 U	4.9 U	4.9 U	5.5 U	4.9 U	4.9 U	42 U	4.9 U	4.4 U	4.9 U	5 U	4.9 U	4.9 U	4.9 U
Benzo(b)fluoranthene	0.002	NA	49 U	49 U	49 U	49 U	5 U	24 U	5 U	49 U	5 U	25 U	25 U	25 U	49 U	4.9 U	4.9 U	48 U	4.9 U	4.9 U	42 U	4.9 U	39 U	4.9 U	5 U	4.9 U	4.9 U	4.9 U
Benzo(g,h,i)perylene	NC	NA	6 U	6 U	6 U	6 U	5 U	3 U	5 U	6 U	5 U	3 U	3.1 U	3 U	5.9 U	4.9 U	4.9 U	5.9 U	4.9 U	4.9 U	5.1 U	4.9 U	4.8 U	4.9 U	5 U	4.9 U	4.9 U	4.9 U
Benzo(k)fluoranthene	0.002	NA	49 U	49 U	49 U	49 U	5 U	24 U	5 U	49 U	5 U	25 U	25 U	25 U	49 U	4.9 U	4.9 U	48 U	4.9 U	4.9 U	42 U	4.9 U	39 U	4.9 U	5 U	4.9 U	4.9 U	4.9 U
Bis(2-chloroethoxy)methane	5	NA	98 U	98 U	98 U	98 U	9.9 U	49 U	9.9 U	98 U	9.9 U	49 U	50 U	49 U	97 U	9.7 U	9.7 U	96 U	9.9 U	9.9 U	84 U	9.8 U	78 U	9.8 U	10 U	9.9 U	9.8 U	9.8 U
Bis(2-chloroethyl)ether	1	NA	98 U	98 U	98 U	98 U	9.9 U	49 U	9.9 U	98 U	9.9 U	49 U	50 U	49 U	97 U	9.7 U	9.7 U	96 U	9.9 U	9.9 U	84 U	9.8 U	78 U	9.8 U	10 U	9.9 U	9.8 U	9.8 U
Bis(2-chloroisopropyl)ether	5	NA	98 U	98 U	**24 J**	98 U	9.9 U	49 U	9.9 U	98 U	9.9 U	49 U	50 U	**130**	97 U	**5.4 J**	9.7 U	96 U	9.9 U	9.9 U	84 U	9.8 U	78 U	9.8 U	10 U	9.9 U	9.8 U	9.8 U
Bis(2-ethylhexyl)phthalate	5	NA	98 U	98 U	98 U	98 U	9.9 U	49 U	9.9 U	98 U	9.9 U	49 U	50 U	49 U	97 U	9.7 U	9.7 U	96 U	9.9 U	9.9 U	84 U	9.8 U	78 U	9.8 U	10 U	9.9 U	9.8 U	9.8 U
4-Bromophenyl phenyl ether	NC	NA	98 U	98 U	98 U	98 U	9.9 U	49 U	9.9 U	98 U	9.9 U	49 U	50 U	49 U	97 U	9.7 U	9.7 U	96 U	9.9 U	9.9 U	84 U	9.8 U	78 U	9.8 U	10 U	9.9 U	9.8 U	9.8 U
Butylbenzylphthalate	50	NA	98 U	98 U	98 U	98 U	9.9 U	49 U	9.9 U	98 U	9.9 U	49 U	50 U	49 U	97 U	9.7 U	9.7 U	96 U	9.9 U	9.9 U	84 U	9.8 U	78 U	9.8 U	10 U	9.9 U	9.8 U	9.8 U
Carbazole	NC	NA	98 U	98 U	98 U	98 U	9.9 U	49 U	9.9 U	98 U	9.9 U	49 U	50 U	49 U	97 U	9.7 U	9.7 U	96 U	9.9 U	9.9 U	84 U	9.8 U	78 U	9.8 U	10 U	9.9 U	9.8 U	9.8 U
4-Chloroaniline	5	NA	98 U	98 U	98 U	98 U	9.9 U	49 U	9.9 U	98 U	9.9 U	49 U	50 U	49 U	97 U	9.7 U	9.7 U	96 U	9.9 U	9.9 U	84 U	9.8 U	78 U	9.8 U	10 U	9.9 U	9.8 U	9.8 U
4-Chloro-3-methylphenol	NC	NA	98 U	98 U	98 U	98 U	9.9 U	49 U	9.9 U	98 U	9.9 U	49 U	50 U	49 U	97 U	9.7 U	9.7 U	96 U	9.9 U	9.9 U	84 U	9.8 U	78 U	9.8 U	10 U	9.9 U	9.8 U	9.8 U
2-Chloronaphthalene	10	NA	98 U	98 U	98 U	98 U	9.9 U	49 U	9.9 U	98 U	9.9 U	49 U	50 U	49 U	97 U	9.7 U	9.7 U	96 U	9.9 U	9.9 U	84 U	9.8 U	78 U	9.8 U	10 U	9.9 U	9.8 U	9.8 U
2-Chlorophenol	NC	NA	**18 J**	98 U	98 U	**8.2 J**	9.9 U	49 U	9.9 U	98 U	9.9 U	**5.9 J**	**8.6 J**	**6.6 J**	**15 J**	**0.48 J**	9.7 U	**37 J**	9.9 U	9.9 U	**4.9 J**	9.8 U	78 U	9.8 U	10 U	9.9 U	9.8 U	9.8 U
4-Chlorophenylphenyl ether	NC	NA	98 U	98 U	98 U	98 U	9.9 U	49 U	9.9 U	98 U	9.9 U	49 U	50 U	49 U	97 U	9.7 U	9.7 U	96 U	9.9 U	9.9 U	84 U	9.8 U	78 U	9.8 U	10 U	9.9 U	9.8 U	9.8 U
Chrysene	0.002	NA	49 U	49 U	49 U	49 U	5 U	24 U	5 U	49 U	5 U	25 U	25 U	25 U	49 U	4.9 U	4.9 U	48 U	4.9 U	4.9 U	42 U	4.9 U	39 U	4.9 U	5 U	4.9 U	4.9 U	4.9 U
Dibenz(a,h)anthracene	NC	NA	6.8 U	6.8 U	6.8 U	6.8 U	5 U	3.3 U	5 U	6.8 U	5 U	3.4 U	3.4 U	3.4 U	6.7 U	4.9 U	4.9 U	6.6 U	4.9 U	4.9 U	5.8 U	4.9 U	5.4 U	4.9 U	5 U	4.9 U	4.9 U	4.9 U
Dibenzofuran	NC	NA	49 U	49 U	49 U	49 U	5 U	24 U	5 U	49 U	5 U	25 U	25 U	25 U	49 U	4.9 U	4.9 U	48 U	4.9 U	4.9 U	42 U	4.9 U	39 U	4.9 U	5 U	4.9 U	4.9 U	4.9 U
Di-n-butylphthalate	50	NA	98 U	98 U	98 U	98 U	9.9 U	49 U	9.9 U	98 U	9.9 U	49 U	50 U	49 U	97 U	9.7 U	9.7 U	96 U	9.9 U	9.9 U	84 U	9.8 U	78 U	9.8 U	10 U	9.9 U	9.8 U	9.8 U
1,2-Dichlorobenzene	3	NA	6.5 U	6.5 U	6.5 U	6.5 U	5 U	3.2 U	5 U	6.5 U	5 U	3.3 U	3.3 U	3.3 U	6.5 U	**0.81 J**	4.9 U	**11 J**	4.9 U	4.9 U	5.6 U	4.9 U	5.2 U	4.9 U	5 U	4.9 U	4.9 U	4.9 U
1,3-Dichlorobenzene	3	NA	6.6 U	6.6 U	6.6 U	6.6 U	5 U	3.3 U	5 U	6.6 U	5 U	3.3 U	3.4 U	3.3 U	6.5 U	4.9 U	4.9 U	6.5 U	4.9 U	4.9 U	5.7 U	4.9 U	5.3 U	4.9 U	5 U	4.9 U	4.9 U	4.9 U
1,4-Dichlorobenzene	3	NA	6.5 U	6.5 U	6.5 U	6.5 U	**0.69 J**	3.2 U	**1.2 J**	6.5 U	5 U	3.3 U	3.3 U	3.3 U	6.5 U	**1.9 J**	4.9 U	**10 J**	**0.68 J**	**0.67 J**	5.6 U	**1.2 J**	5.2 U	4.9 U	**0.73 J**	4.9 U	4.9 U	4.9 U
3,3'-Dichlorobenzidine	5	NA	98 U	98 U	98 U	98 U	9.9 U	49 U	9.9 U	98 U	9.9 U	49 U	50 U	49 U	97 U	9.7 U	9.7 U	96 U	9.9 U	9.9 U	84 U	9.8 U	78 U	9.8 U	10 U	9.9 U	9.8 U	9.8 U
2,4-Dichlorophenol	5	NA	98 U	98 U	98 U	98 U	9.9 U	49 U	9.9 U	98 U	9.9 U	49 U	50 U	49 U	97 U	9.7 U	9.7 U	96 U	9.9 U	9.9 U	84 U	9.8 U	78 U	9.8 U	10 U	9.9 U	9.8 U	9.8 U
Diethylphthalate	50	NA	98 U	98 U	98 U	**0.47 J**	9.9 U	49 U	9.9 U	98 U	9.9 U	49 U	50 U	49 U	97 U	9.7 U	**1.0 J**	96 U	9.9 U	9.9 U	**3.7 J**	**0.76 J**	78 U	**0.57 J**	**0.73 J**	9.9 U	9.8 U	9.8 U
2,4-Dimethylphenol	50	**100**	**91 J**	**10 J**	**54 J**	**9.5 J**	**320**	**26**	**31 J**	**3.7 J**	**45 J**	**64**	**64**	**59**	**120**	**21**	9.7 U	**220**	9.9 U	9.9 U	**160**	9.8 U	**120**	9.8 U	**0.79 J**	9.9 U	9.8 U	9.8 U
Dimethylphthalate	50	NA	98 U	98 U	98 U	98 U	9.9 U	49 U	9.9 U	98 U	9.9 U	49 U	50 U	49 U	97 U	9.7 U	9.7 U	96 U	9.9 U	9.9 U	84 U	9.8 U	78 U	9.8 U	10 U	9.9 U	9.8 U	9.8 U
4,6-Dinitro-2-methylphenol	NC	NA	98 U	98 U	98 U	98 U	9.9 U	49 U	9.9 U	98 U	9.9 U	49 U	50 U	49 U	97 U	9.7 U	9.7 U	96 U	9.9 U	9.9 U	84 U	9.8 U	78 U	9.8 U	7 U	9.9 U	9.8 U	9.8 U
2,4-Dinitrophenol	10	NA	98 U	98 U	98 U	98 U	9.9 U	49 U	9.9 U	98 U	9.9 U	49 U	50 U	49 U	97 U	9.7 U	9.7 U	96 U	9.9 U	9.9 U	84 U	9.8 U	78 U	9.8 U	8.1 U	9.9 U	9.8 U	9.8 U
2,4-Dinitrotoluene	5	NA	98 U	98 U	98 U	98 U	9.9 U	49 U	9.9 U	98 U	9.9 U	49 U	50 U	49 U	97 U	9.7 U	9.7 U	96 U	9.9 U	9.9 U	84 U	9.8 U	78 U	9.8 U	10 U	9.9 U	9.8 U	9.8 U
2,6-Dinitrotoluene	5	NA	98 U	98 U	98 U	98 U	9.9 U	49 U	9.9 U	98 U	9.9 U	49 U	50 U	49 U	97 U	9.7 U	9.7 U	96 U	9.9 U	9.9 U	84 U	9.8 U	78 U	9.8 U	10 U	9.9 U	9.8 U	9.8 U
Di-n-octylphthalate	NC	NA	98 U	98 U	98 U	98 U	9.9 U	49 U	9.9 U	98 U	9.9 U	49 U	50 U	49 U	97 U	9.7 U	9.7 U	96 U	9.9 U	9.9 U	**47 J**	9.8 U	78 U	9.8 U	3.9 U	9.9 U	9.8 U	9.8 U
1,2-Diphenylhydrazine/Azobenzene	NC	NA	98 U	98 U	98 U	98 U	9.9 U	49 U	9.9 U	98 U	9.9 U	49 U	50 U	49 U	97 U	9.7 U	9.7 U	96 U	9.9 U	9.9 U	84 U	9.8 U	78 U	9.8 U	10 U	9.9 U	9.8 U	9.8 U
Fluoranthene	50	NA	49 U	49 U	49 U	49 U	5 U	24 U	5 U	49 U	5 U	25 U	25 U	25 U	49 U	4.9 U	4.9 U	48 U	4.9 U	4.9 U	**24 J**	4.9 U	39 U	4.9 U	5 U	4.9 U	4.9 U	4.9 U
Fluorene	50	NA	5.1 U	5.1 U	5.1 U	5.1 U	5 U	24 U	5 U	5.1 U	5 U	25 U	25 U	25 U	5 U	4.9 U	4.9 U	42 U	4.9 U	4.9 U	42 U	4.9 U	4.1 U	4.9 U	5 U	4.9 U	4.9 U	4.9 U
Hexachlorobenzene	0.04	NA	98 U	98 U	98 U	98 U	9.9 U	49 U	9.9 U	98 U	9.9 U	49 U	50 U	49 U	97 U	9.7 U	9.7 U	96 U	9.9 U	9.9 U	84 U	9.8 U	78 U	9.8 U	10 U	9.9 U	9.8 U	9.8 U
Hexachlorobutadiene	0.5	NA	98 U	98 U	98 U	98 U	9.9 U	49 U	9.9 U	98 U	9.9 U	49 U	50 U	49 U	97 U	9.7 U	9.7 U	96 U	9.9 U	9.9 U	84 U	9.8 U	78 U	9.8 U	10 U	9.9 U	9.8 U	9.8 U
Hexachlorocyclopentadiene	5	NA	98 U	98 U	98 U	98 U	9.9 U	49 U	9.9 U	98 U	9.9 U	49 U	50 U	49 U	97 U	9.7 U	9.7 U	96 U	9.9 U	9.9 U	84 U	9.8 U	78 U	9.8 U	3.7 U	9.9 U	9.8 U	9.8 U
Hexachloroethane	5	NA	98 U	98 U	98 U	98 U	9.9 U	49 U	9.9 U	98 U	9.9 U	49 U	50 U	49 U	97 U	9.7 U	9.7 U	96 U	9.9 U	9.9 U	84 U	9.8 U	78 U	9.8 U	10 U	9.9 U	9.8 U	9.8 U
Indeno(1,2,3-cd)pyrene	0.002	NA	7.3 U	7.3 U	7.3 U	7.3 U	5 U	3.6 U	5 U	7.3 U	5 U	3.6 U	3.7 U	3.6 U	7.2 U	4.9 U	4.9 U	7.1 U	4.9 U	4.9 U	6.2 U	4.9 U	5.8 U	4.9 U	5 U	4.9 U	4.9 U	4.9 U
Isophorone	50	NA	98 U	98 U	98 U	98 U	9.9 U	49 U	9.9 U	98 U	9.9 U	49 U	50 U	49 U	97 U	9.7 U	9.7 U	96 U	9.9 U	9.9 U	84 U	9.8 U	78 U	9.8 U	10 U	9.9 U	9.8 U	9.8 U
1-Methylnaphthalene	NC	NA	5.9 U	5.9 U	5.9 U	5.9 U	5 U	24 U	5 U	5.9 U	5 U	25 U	3 U	25 U	5.8 U	4.9 U	4.9 U	5.8 U	4.9 U	4.9 U	5.1 U	4.9 U	4.7 U	4.9 U	5 U	4.9 U	4.9 U	4.9 U
2-Methylnaphthalene	NC	NA	6.8 U	6.8 U	6.8 U	6.8 U	5 U	3.4 U	5 U	6.8 U	5 U	3.4 U	3.5 U	3.4 U	6.7 U	4.9 U	4.9 U	6.6 U	4.9 U	4.9 U	5.8 U	4.9 U	5.4 U	4.9 U	5 U	4.9 U	4.9 U	4.9 U
o-cresol	NC	NA	**2,400**	**2,500**	**170**	**820**	**130**	**4,700**	**1,100**	**540**	**63**	**970**	**1,000**	**900**	**1,900**	**94**	9.7 U	**4,000**	**0.98 J**	**0.80 J**	**970**	9.8 U	**1,200**	9.8 U	**58**	9.9 U	9.8 U	9.8 U
3 & 4-Methylphenol (m,p-Cresol)	NC	NA	**2,100**	**2,100**	**200**	**1,100**	**170**	**5,900**	**800**	**570**	**49**	**850**	**930**	**870**	**1,700**	**140**	9.7 U	**2,200**	9.9 U	9.9 U	**360**	9.8 U	**1,500**	9.8 U	**15**	9.9 U	9.8 U	9.8 U
Naphthalene	10	NA	6 U	6 U	6 U	6 U	5 U	**3.2 J**	**1.5 J**	6 U	5 U	3 U	3.1 U	3 U	6 U	**1.9 J**	4.9 U	**19 J**	4.9 U	4.9 U	**7.3 J**	4.9 U	4.8 U	4.9 U	5 U	4.9 U	4.9 U	4.9 U
Nitrobenzene	0.4	NA	98 U	98 U	98 U	98 U	9.9 U	49 U	9.9 U	98 U	9.9 U	49 U	50 U	49 U	97 U	9.7 U	9.7 U	96 U	9.9 U	9.9 U	84 U	9.8 U	78 U	9.8 U	10 U	9.9 U	9.8 U	9.8 U
2-Nitroaniline	5	NA	98 U	98 U	98 U	98 U	9.9 U	49 U	9.9 U	98 U	9.9 U	49 U	50 U	49 U	97 U	9.7 U	9.7 U	96 U	9.9 U	9.9 U	84 U	9.8 U	78 U	9.8 U	10 U	9.9 U	9.8 U	9.8 U
3-Nitroaniline	5	NA	98 U	98 U	98 U	98 U	9.9 U	49 U	9.9 U	98 U	9.9 U	49 U	50 U	49 U	97 U	9.7 U	9.7 U	96 U	9.9 U	9.9 U	84 U	9.8 U	78 U	9.8 U	10 U	9.9 U	9.8 U	9.8 U
4-Nitroaniline	5	NA	98 U	98 U	98 U	98 U	9.9 U	49 U	9.9 U	98 U	9.9 U	49 U	50 U	49 U	97 U	9.7 U	9.7 U	96 U	9.9 U	9.9 U	84 U	9.8 U	78 U	9.8 U	10 U	9.9 U	9.8 U	9.8 U
2-Nitrophenol	NC	NA	98 U	98 U	98 U	98 U	9.9 U	49 U	9.9 U	98 U	9.9 U	49 U	50 U	49 U	97 U	9.7 U	9.7 U	96 U	9.9 U	9.9 U	84 U	9.8 U	78 U	9.8 U	10 U	9.9 U	9.8 U	9.8 U
4-Nitrophenol	NC	NA	98 U	98 U	98 U	98 U	9.9 U	49 U	9.9 U	98 U	9.9 U	49 U	50 U	49 U	97 U	9.7 U	9.7 U	96 U	9.9 U	9.9 U	84 U	9.8 U	78 U	9.8 U	2.1 U	9.9 U	9.8 U	9.8 U
N-Nitrosodiphenylamine	50	NA	98 U	98 U	98 U	98 U	9.9 U	49 U	9.9 U	98 U	9.9 U	49 U	50 U	49 U	97 U	9.7 U	9.7 U	96 U	9.9 U	9.9 U	84 U	9.8 U	78 U	9.8 U	10 U	9.9 U	9.8 U	9.8 U
N-Nitrosodimethylamine	NC	NA	98 U	98 U	98 U	98 U	9.9 U	49 U	9.9 U	98 U	9.9 U	49 U	50 U	49 U	97 U	9.7 U	9.7 U	96 U	9.9 U	9.9 U	84 U	9.8 U	78 U	9.8 U	10 U	9.9 U	9.8 U	9.8 U
N-Nitroso-di-n-propylamine	NC	NA	98 U	98 U	98 U	98 U	9.9 U	49 U	9.9 U	98 U	9.9 U	49 U	50 U	49 U	97 U	9.7 U	9.7 U	96 U	9.9 U	9.9 U	84 U	9.8 U	78 U	9.8 U	10 U	9.9 U	9.8 U	9.8 U
Pentachloronitrobenzene	NC	NA	98 U	98 U	98 U	98 U	9.9 U	49 U	9.9 U	98 U	9.9 U	49 U	50 U	49 U	97 U	9.7 U	9.7 U	96 U	9.9 U	9.9 U	84 U	9.8 U	78 U	9.8 U	10 U	9.9 U	9.8 U	9.8 U
Pentachlorophenol	1	NA	98 U	98 U	98 U	98 U	9.9 U	49 U	9.9 U	98 U	9.9 U	49 U	50 U	49 U	97 U	9.7 U	9.7 U	96 U	9.9 U	9.9 U	84 U	9.8 U	78 U	9.8 U	3.5 U	9.9 U	9.8 U	9.8 U
Phenanthrene	50	NA	49 U	49 U	49 U	49 U	5 U	24 U	5 U	49 U	5 U	25 U	25 U	25 U	49 U	4.9 U	4.9 U	48 U	4.9 U	4.9 U	42 U	4.9 U	39 U	4.9 U	5 U	4.9 U	4.9 U	4.9 U
Phenol	1	NA	**140,000**	**170,000**	**10,000**	**77,000**	**12,000**	**490,000**	**27,000**	**25,000**	**2,700**	**33,000**	**56,000**	**40,000**	**100,000**	**1,600**	**0.52 J**	**170,000**	**140**	**230**	**10,000**	**0.52 J**	**34,000**	9.8 U	**250**	**0.71 J**	**0.52 J**	**2.7 J**
Pyrene	50	NA	6 U	6 U	6 U	6 U	5 U	3 U	5 U	6 U	5 U	3 U	3.1 U	3 U	5.9 U	4.9 U	4.9 U	5.9 U	4.9 U	4.9 U	5.1 U	4.9 U	4.8 U	4.9 U	5 U	4.9 U	4.9 U	4.9 U
Pyridine	NC	NA	49 U	49 U	49 U	49 U	5 U	24 U	5 U	49 U	5 U	25 U	25 U	25 U	49 U	4.9 U	4.9 U	48 U	4.9 U	4.9 U	42 U	4.9 U	39 U	4.9 U	5 U	4.9 U	4.9 U	4.9 U
1,2,4,5-Tetrachlorobenzene	5	NA	98 U	98 U	98 U	98 U	9.9 U	49 U	9.9 U	98 U	9.9 U	49 U	50 U	49 U	97 U	9.7 U	9.7 U	96 U	9.9 U	9.9 U	84 U	9.8 U	78 U	9.8 U	10 U	9.9 U	9.8 U	9.8 U
1,2,4-Trichlorobenzene	5	NA	6.6 U	6.6 U	6.6 U	6.6 U	5 U	3.2 U	5 U	6.6 U	5 U	3.3 U	3.3 U	3.3 U	6.5 U	4.9 U	4.9 U	6.4 U	4.9 U	4.9 U	5.6 U	4.9 U	5.2 U	4.9 U	5 U	4.9 U	4.9 U	4.9 U
2,4,5-Trichlorophenol	NC	NA	98 U	98 U	98 U	98 U	9.9 U	49 U	9.9 U	98 U	9.9 U	49 U	50 U	49 U	97 U	9.7 U	9.7 U	96 U	9.9 U	9.9 U	84 U	9.8 U	78 U	9.8 U	10 U	9.9 U	9.8 U	9.8 U
2,4,6-Trichlorophenol	NC	NA	98 U	98 U	98 U	98 U	9.9 U	49 U	9.9 U	98 U	9.9 U	49 U	50 U	49 U	97 U	9.7 U	9.7 U	96 U	9.9 U	9.9 U	84 U	9.8 U	78 U	9.8 U	10 U	9.9 U	9.8 U	9.8 U

Notes:
ug/L - micrograms per liter.
J - Estimated value.
N - Indicates presumptive evidence of a compound.
NA - Sample not analyzed for the listed analyte.
NC - No NYSDEC standards exist for this analyte.
U - Analyte was not detected at specified quantitation limit.
Values in **bold** indicate the analyte was detected.
Values shown in bold and color type exceed the corresponding listed NYSDEC criteria.
SVOCs - Semivolatile Organic Compounds.
* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA Water

Table 5
New York State Department of Environmental Conservation
Former Borden Chemical - Site No.709001
Supplemental Investigation Report
Bainbridge, New York
Summary of VOCs and SVOCs in Low-Flow Groundwater Samples - June 2022

Sample ID		BC-MW-15		BC-MW-15D		BC-MW-16		BC-MW-16		BC-MW-17		BC-MW-19		BC-MW-21		BC-MW-27		BC-MS-27		BC-MW-28		BC-MW-2B		BC-MW-30		BC-MW-35R		BC-MW-101		BC-MW-102		BC-MW-103		BC-MW-104		BC-OW-10R		BC-OW-10R		BC-FD-05		BC-OW-35R		BC-RW-1	
Laboratory ID		22F1900-03		22F1900-02		22G0121-01		22I0894-03		22G0121-03		22G0121-05		22G0121-04		22F1993-02		22I0894-02		22F1993-10		22G0121-02		22F1993-08		22F1993-03		22F1993-07		22F1993-05		22F1993-04		22F1993-11		22F1900-04		22I0894-01		22F1900-05		22F1993-06		22F1993-09	
Sample Date		6/27/2022		6/27/2022		6/30/2022		9/16/2022		6/30/2022		6/30/2022		6/30/2022		6/28/2022		9/16/2022		6/28/2022		6/30/2022		6/28/2022		6/28/2022		6/28/2022		6/28/2022		6/28/2022		6/27/2022		9/16/2022		6/27/2022		6/28/2022		6/28/2022	
Analyte	Class GA Value*	**Results (µg/L)**																																									
VOCs																																										
Acetone	50	**300**	J	50	U	50	U	NA		50	U	50	U	50	U	50	U	NA		50	U	50	U	**13**	J	50	U	**3.3**	J	50	U	41	U	**14**	J	**91**	J	NA		**87**	J	**3.3**	J	50	U
Acrylonitrile	NC	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
tert-Amylmethyl Ether (TAME)	NC	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
Benzene	1	**16**	J	1	U	1	U	NA		1	U	1	U	1	U	**0.46**	J	NA		**3.0**		1	U	1	U	1	U	1	U	**0.88**	J	**10**	J	**0.28**	J	**18**	J	NA		**15**	J	**1.6**		1	U
Bromobenzene	5	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
Bromochloromethane	5	6.1	U	1	U	1	U	NA		1	U	1	U	1	U	1	U	NA		1	U	1	U	1	U	1	U	1	U	1	U	6.1	U	1	U	6.1	U	NA		6.1	U	1	U	1	U
Bromodichloromethane	50	3.6	U	0.5	U	0.5	U	NA		0.5	U	0.5	U	0.5	U	0.5	U	NA		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	3.6	U	0.5	U	3.6	U	NA		3.6	U	0.5	U	0.5	U
Bromoform	50	7.7	U	1	U	1	U	NA		1	U	1	U	1	U	1	U	NA		1	U	1	U	1	U	1	U	1	U	1	U	7.7	U	1	U	7.7	U	NA		7.7	U	1	U	1	U
Bromomethane	5	40	U	2	U	2	U	NA		2	U	2	U	2	U	2	U	NA		2	U	2	U	2	U	2	U	2	U	2	U	40	U	2	U	40	U	NA		40	U	2	U	2	U
2-Butanone (MEK)	50	**220**	J	20	U	20	U	NA		20	U	20	U	20	U	20	U	NA		20	U	20	U	20	U	20	U	20	U	20	U	400	U	20	U	400	U	NA		400	U	20	U	20	U
tert-Butyl Alcohol	NC	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
n-Butylbenzene	5	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
sec-Butylbenzene	5	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
tert-Butylbenzene	5	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
tert-Butylethyl Ether (TBEE)	NC	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
Carbon Disulfide	60	29	U	5	U	5	U	NA		5	U	5	U	5	U	5	U	NA		5	U	5	U	5	U	5	U	5	U	5	U	29	U	5	U	29	U	NA		29	U	5	U	5	U
Carbon Tetrachloride	5	3.3	U	5	U	5	U	NA		5	U	5	U	5	U	5	U	NA		5	U	5	U	5	U	5	U	5	U	5	U	3.3	U	5	U	3.3	U	NA		3.3	U	5	U	5	U
Chlorobenzene	5	**3.8**	J	1	U	1	U	NA		1	U	1	U	1	U	**2.2**		NA		**13**		1	U	1	U	1	U	**1.8**		**3.5**		**180**		**4.0**		**9.4**	J	NA		**8.4**	J	**12**		1	U
Chloroethane	5	6.4	U	2	U	2	U	NA		2	U	2	U	2	U	2	U	NA		2	U	2	U	2	U	2	U	2	U	2	U	6.4	U	2	U	6.4	U	NA		6.4	U	2	U	2	U
Chloroform	7	40	U	2	U	2	U	NA		2	U	2	U	2	U	2	U	NA		2	U	2	U	2	U	2	U	2	U	2	U	40	U	2	U	40	U	NA		40	U	2	U	2	U
Chloromethane	5	40	U	2	U	2	U	NA		2	U	2	U	2	U	2	U	NA		2	U	2	U	2	U	2	U	2	U	2	U	40	U	2	U	40	U	NA		40	U	2	U	2	U
2-Chlorotoluene	NC	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
4-Chlorotoluene	NC	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
Cyclohexane	NC	35	U	5	U	5	U	NA		5	U	5	U	5	U	5	U	NA		5	U	5	U	5	U	5	U	5	U	5	U	35	U	5	U	35	U	NA		35	U	5	U	5	U
Chlorodibromomethane	50	4.4	U	0.5	U	0.5	U	NA		0.5	U	0.5	U	0.5	U	0.5	U	NA		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	4.4	U	0.5	U	4.4	U	NA		4.4	U	0.5	U	0.5	U
1,2-Dibromo-3-Chloropropane	0.04	16	U	5	U	5	U	NA		5	U	5	U	5	U	5	U	NA		5	U	5	U	5	U	5	U	5	U	5	U	16	U	5	U	16	U	NA		16	U	5	U	5	U
1,2-Dibromoethane	0.0006	3.4	U	0.5	U	0.5	U	NA		0.5	U	0.5	U	0.5	U	0.5	U	NA		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	3.4	U	0.5	U	3.4	U	NA		3.4	U	0.5	U	0.5	U
Dibromomethane	NC	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
1,2-Dichlorobenzene	3	20	U	1	U	1	U	NA		1	U	1	U	1	U	**0.33**	J	NA		**0.46**	J	1	U	1	U	1	U	1	U	**0.45**	J	**11**	J	**0.73**	J	20	U	NA		20	U	**1.6**		**0.21**	J
1,3-Dichlorobenzene	3	20	U	1	U	1	U	NA		1	U	1	U	1	U	**0.12**	J	NA		**0.55**	J	1	U	1	U	1	U	1	U	**0.27**	J	**5.6**	J	**0.95**	J	20	U	NA		20	U	**0.65**	J	1	U
1,4-Dichlorobenzene	3	20	U	1	U	1	U	NA		1	U	1	U	1	U	**0.74**	J	NA		**1.6**		1	U	1	U	1	U	**0.26**	J	**1.2**		**21**		**4.0**		1	U	**2.8**	J	NA		20	U	**3.6**		**0.47**	J
trans-1,4-Dichloro-2-Butene	NC	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
Dichlorodifluoromethane (Freon 12)	5	40	U	2	U	2	U	NA		2	U	2	U	2	U	2	U	NA		2	U	2	U	2	U	2	U	2	U	2	U	40	U	2	U	40	U	NA		40	U	2	U	2	U
1,1-Dichloroethane	5	20	U	1	U	1	U	NA		1	U	1	U	1	U	1	U	NA		1	U	1	U	1	U	1	U	1	U	1	U	20	U	1	U	20	U	NA		20	U	1	U	1	U
1,2-Dichloroethane	0.6	6.2	U	1	U	1	U	NA		1	U	1	U	1	U	1	U	NA		1	U	1	U	1	U	1	U	1	U	1	U	6.2	U	1	U	6.2	U	NA		6.2	U	1	U	1	U
1,1-Dichloroethylene	5	20	U	1	U	1	U	NA		1	U	1	U	1	U	1	U	NA		1	U	1	U	1	U	1	U	1	U	1	U	20	U	1	U	20	U	NA		20	U	1	U	1	U
cis-1,2-Dichloroethylene	5	20	U	1	U	1	U	NA		1	U	1	U	1	U	1	U	NA		1	U	1	U	1	U	1	U	1	U	1	U	20	U	1	U	20	U	NA		20	U	1	U	1	U
trans-1,2-Dichloroethylene	5	3.4	U	1	U	1	U	NA		1	U	1	U	1	U	1	U	NA		1	U	1	U	1	U	1	U	1	U	1	U	3.4	U	1	U	3.4	U	NA		3.4	U	1	U	1	U
1,2-Dichloropropane	1	3.6	U	1	U	1	U	NA		1	U	1	U	1	U	1	U	NA		1	U	1	U	1	U	1	U	1	U	1	U	3.6	U	1	U	3.6	U	NA		3.6	U	1	U	1	U
1,3-Dichloropropane	NC	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
2,2-Dichloropropane	NC	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
1,1-Dichloropropene	NC	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
cis-1,3-Dichloropropene	0.4(a)	3.2	U	0.5	U	0.5	U	NA		0.5	U	0.5	U	0.5	U	0.5	U	NA		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	3.2	U	0.5	U	3.2	U	NA		3.2	U	0.5	U	0.5	U
trans-1,3-Dichloropropene	0.4(a)	3.4	U	0.5	U	0.5	U	NA		0.5	U	0.5	U	0.5	U	0.5	U	NA		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	3.4	U	0.5	U	3.4	U	NA		3.4	U	0.5	U	0.5	U
Diethyl Ether	NC	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
Diisopropyl Ether (DIPE)	NC	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
1,4-Dioxane	NC	410	U	50	U	50	U	NA		50	U	50	U	50	U	50	U	NA		50	U	50	U	50	U	50	U	50	U	50	U	410	U	50	U	410	U	NA		410	U	50	U	50	U
Ethyl Benzene	5	4.3	U	1	U	1	U	NA		1	U	1	U	1	U	1	U	NA		1	U	1	U	1	U	1	U	1	U	1	U	**76**		**0.73**	J	**13**	J	NA		**11**	J	1	U	1	U
Hexachlorobutadiene	0.5	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
2-Hexanone (MBK)	50	22	U	10	U	10	U	NA		10	U	10	U	10	U	10	U	NA		10	U	10	U	10	U	10	U	10	U	10	U	22	U	10	U	22	U	NA		22	U	10	U	10	U
Isopropylbenzene (Cumene)	5	20	U	1	U	1	U	NA		1	U	1	U	1	U	**0.27**	J	NA		**2.0**		1	U	1	U	1	U	1	U	**0.50**	J	**26**		**0.88**	J	20	U	NA		20	U	**1.5**		**0.12**	J
p-Isopropyltoluene (p-Cymene)	5	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
Methyl Acetate	NC	9.1	U	1	U	1	U	NA		1	U	1	U	1	U	1	U	NA		1	U	1	U	1	U	1	U	1	U	1	U	9.1	U	1	U	9.1	U	NA		9.1	U	1	U	1	U
Methyl tert-Butyl Ether (MTBE)	10	3.4	U	1	U	1	U	NA		1	U	1	U	1	U	1	U	NA		1	U	1	U	1	U	1	U	1	U	1	U	3.4	U	1	U	3.4	U	NA		3.4	U	1	U	1	U
Methyl Cyclohexane	NC	4.9	U	1	U	1	U	NA		1	U	1	U	1	U	1	U	NA		1	U	1	U	1	U	1	U	1	U	1	U	4.9	U	1	U	4.9	U	NA		4.9	U	1	U	1	U
Methylene Chloride	5	**5.4**	J	5	U	5	U	NA		5	U	5	U	5	U	5	U	NA		5	U	5	U	5	U	5	U	5	U	5	U	4.7	U	5	U	4.7	U	NA		4.7	U	5	U	5	U
4-Methyl-2-pentanone (MIBK)	NC	26	U	10	U	10	U	NA		10	U	10	U	10	U	10	U	NA		10	U	10	U	10	U	10	U	10	U	10	U	26	U	10	U	26	U	NA		26	U	10	U	10	U
Naphthalene	10	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
n-Propylbenzene	5	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
Styrene	5	20	U	1	U	1	U	NA		1	U	1	U	1	U	1	U	NA		1	U	1	U	1	U	1	U	1	U	1	U	20	U	1	U	20	U	NA		20	U	1	U	1	U
1,1,1,2-Tetrachloroethane	NC	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
1,1,2,2-Tetrachloroethane	5	2.5	U	0.5	U	0.5	U	NA		0.5	U	0.5	U	0.5	U	0.5	U	NA		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U	0.5	U	2.5	U	NA		2.5	U	0.5	U	0.5	U
Tetrachloroethylene	5	3.7	U	1	U	1	U	NA		1	U	1	U	1	U	1	U	NA		1	U	1	U	1	U	1	U	1	U	1	U	3.7	U	1	U	3.7	U	NA		3.7	U	1	U	1	U
Tetrahydrofuran	NC	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
Toluene	5	**1,500**		**0.28**	J	1	U	NA		1	U	1	U	1	U	1	U	NA		**0.34**	J	1	U	1	U	1	U	1	U	**0.33**	J	**1,300**		**0.81**	J	**1,600**		NA		**1,400**		1	U	**0.37**	J
1,2,3-Trichlorobenzene	5	6.1	U	5	U	5	U	NA		5	U	5	U	5	U	5	U	NA		5	U	5	U	5	U	5	U	5	U	5	U	6.1	U	5	U	6.1	U	NA		6.1	U	5	U	5	U
1,2,4-Trichlorobenzene	5	5	U	1	U	1	U	NA		1	U	1	U	1	U	1	U	NA		1	U	1	U	1	U	1	U	1	U	1	U	5	U	1	U	5	U	NA		5	U	1	U	1	U
1,3,5-Trichlorobenzene	NC	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
1,1,1-Trichloroethane	5	3.4	U	1	U	1	U	NA		1	U	1	U	1	U	1	U	NA		1	U	1	U	1	U	1	U	1	U	1	U	3.4	U	1	U	3.4	U	NA		3.4	U	1	U	1	U
1,1,2-Trichloroethane	1	3.7	U	1	U	1	U	NA		1	U	1	U	1	U	1	U	NA		1	U	1	U	1	U	1	U	1	U	1	U	3.7	U	1	U	3.7	U	NA		3.7	U	1	U	1	U
Trichloroethylene	5	3.8	U	1	U	1	U	NA		1	U	1	U	1	U	1	U	NA		1	U	1	U	1	U	1	U	**0.25**	J	1	U	3.8	U	1	U	3.8	U	NA		3.8	U	1	U	1	U
Trichlorofluoromethane (Freon 11)	5	40	U	2	U	2	U	NA		2	U	2	U	2	U	2	U	NA		2	U	2	U	2	U	2	U	2	U	2	U	40	U	2	U	40	U	NA		40	U	2	U	2	U
1,2,3-Trichloropropane	0.04	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
Freon 113	5	4.5	U	1	U	1	U	NA		1	U	1	U	1	U	1	U	NA		1	U	1	U	1	U	1	U	1	U	1	U	4.5	U	1	U	4.5	U	NA		4.5	U	1	U	1	U
1,2,4-Trimethylbenzene	5	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
1,3,5-Trimethylbenzene	5	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
Vinyl Chloride	2	40	U	2	U	2	U	NA		2	U	2	U	2	U	2	U	NA		2	U	2	U	2	U	2	U	2	U	2	U	40	U	2	U	40	U	NA		40	U	2	U	2	U
m/p Xylene	5	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
o-Xylene	5	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
Xylenes (total)	5	20	U	1	U	1	U	NA		1	U	1	U	1	U	1	U	NA		1	U	1	U	1	U	1	U	1	U	1	U	20	U	1	U	20	U	NA		20	U	1	U	1	U
TICs	Class GA Value*	**Results (µg/L)**																																									
2,4,6-Cycloheptatrien-1-one	NC	NA		NA		NA		NA		NA		NA		NA		**2.9**	N	NA		NA		NA		NA		NA		**5.2**	N	NA		NA		**21**	N	NA		NA		**75**	N	**21**	N	NA	
Dimethoxymethane	NC	**200**	N	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
4H-1,3-Benzodioxin	NC	NA		NA		NA		NA		NA		NA		NA		NA		NA		**8.0**	N	NA		NA		NA		NA		**3.2**	N	**270**	N	NA		NA		NA		NA		NA	

Notes:
ug/L - micrograms per liter.
J - Estimated value.
N - Indicates presumptive evidence of a compound.
NA - Sample not analyzed for the listed analyte.
NC - No NYSDEC standards exist for this analyte.
U - Analyte was not detected at specified quantitation limit.
Values in **bold** indicate the analyte was detected.
Values shown in bold and shaded type exceed the listed Guidance Value.
VOCs - Volatile Organic Compounds.
* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA Water
(a) - criteria applicable to xylene (total), the sum of the xylene isomers.
(b) - criteria applicable to the sum of the cis and trans isomers.

Table 5
New York State Department of Environmental Conservation
Former Borden Chemical - Site No.709001
Supplemental Investigation Report
Bainbridge, New York
Summary of VOCs and SVOCs in Low-Flow Groundwater Samples - June 2022

Sample ID	BC-MW-15	BC-MW-15D	BC-MW-16	BC-MW-16	BC-MW-17	BC-MW-19	BC-MW-21	BC-MW-27	BC-MS-27	BC-MW-28	BC-MW-2B	BC-MW-30	BC-MW-35R	BC-MW-101	BC-MW-102	BC-MW-103	BC-MW-104	BC-OW-10R	BC-OW-10R	BC-FD-05	BC-OW-35R	BC-RW-1
Laboratory ID	22F1900-03	22F1900-02	22G0121-01	22I0894-03	22G0121-03	22G0121-05	22G0121-04	22F1993-02	22I0894-02	22F1993-10	22G0121-02	22F1993-08	22F1993-03	22F1993-07	22F1993-05	22F1993-04	22F1993-11	22F1900-04	22I0894-01	22F1900-05	22F1993-06	22F1993-09
Sample Date	6/27/2022	6/27/2022	6/30/2022	9/16/2022	6/30/2022	6/30/2022	6/30/2022	6/28/2022	9/16/2022	6/28/2022	6/30/2022	6/28/2022	6/28/2022	6/28/2022	6/28/2022	6/28/2022	6/28/2022	6/27/2022	9/16/2022	6/27/2022	6/28/2022	6/28/2022
Analyte	Class GA Value*	**Results (µg/L)**																				
SVOCs																						
Atrazine	7.5	97 U	20 U	NA	NA	NA	NA	20 U	NA	19 U	NA	20 U	19 U	20 U	20 U	20 U	19 U	20 U	NA	20 U	20 U	19 U
Benzaldehyde	NC	49 U	9.8 U	NA	NA	NA	NA	9.8 U	NA	9.6 U	NA	10 U	9.7 U	10 U	10 U	10 U	9.6 U	10 U	NA	10 U	10 U	9.6 U
1,1'-Biphenyl	5	97 U	20 U	NA	NA	NA	NA	20 U	NA	19 U	NA	20 U	19 U	20 U	20 U	20 U	19 U	20 U	NA	20 U	20 U	19 U
Caprolactam	NC	49 U	9.8 U	NA	NA	NA	NA	9.8 U	NA	9.6 U	NA	10 U	9.7 U	10 U	**0.59 J**	10 U	9.6 U	10 U	NA	10 U	10 U	9.6 U
Acenaphthene	20	24 U	4.9 U	4.8 U	NA	5.2 U	4.9 U	5 U	4.9 U	NA	4.8 U	4.8 U	5 U	4.9 U	5 U	5 U	4.8 U	5 U	NA	5.1 U	5 U	4.8 U
Acenaphthylene	NC	24 U	4.9 U	4.8 U	NA	5.2 U	4.9 U	5 U	4.9 U	NA	4.8 U	4.8 U	5 U	4.9 U	5 U	5 U	**3.5 J**	5 U	NA	5.1 U	5 U	4.8 U
Acetophenone	NC	49 U	9.8 U	9.6 U	NA	10 U	9.9 U	10 U	9.8 U	NA	9.6 U	10 U	9.7 U	10 U	10 U	**7.7 J**	9.6 U	10 U	NA	10 U	10 U	9.6 U
Aniline	5	NA	NA	4.8 U	NA	5.2 U	4.9 U	5 U	NA	NA	4.8 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	50	24 U	4.9 U	4.8 U	NA	5.2 U	4.9 U	5 U	4.9 U	NA	4.8 U	4.8 U	5 U	4.9 U	5 U	5 U	NA	5 U	NA	5.1 U	5 U	4.8 U
Benzidine	5	NA	NA	19 U	NA	21 U	20 U	20 U	NA	NA	19 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzoic Acid	NC	NA	NA	9.6 U	NA	8.8 U	9.9 U	8.4 U	NA	NA	9.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	0.002	24 U	4.9 U	4.8 U	NA	5.2 U	4.9 U	5 U	4.9 U	NA	4.8 U	4.8 U	5 U	4.9 U	5 U	5 U	4.8 U	5 U	NA	5.1 U	5 U	4.8 U
Benzo(a)pyrene	0	24 U	4.9 U	4.8 U	NA	5.2 U	4.9 U	5 U	4.9 U	NA	4.8 U	4.8 U	5 U	4.9 U	5 U	5 U	4.8 U	5 U	NA	5.1 U	5 U	4.8 U
Benzo(b)fluoranthene	0.002	24 U	4.9 U	4.8 U	NA	5.2 U	4.9 U	5 U	4.9 U	NA	4.8 U	4.8 U	5 U	4.9 U	5 U	5 U	4.8 U	5 U	NA	5.1 U	5 U	4.8 U
Benzo(g,h,i)perylene	NC	3 U	4.9 U	4.8 U	NA	5.2 U	4.9 U	5 U	4.9 U	NA	4.8 U	4.8 U	5 U	4.9 U	5 U	5 U	4.8 U	5 U	NA	5.1 U	5 U	4.8 U
Benzo(k)fluoranthene	0.002	24 U	4.9 U	4.8 U	NA	5.2 U	4.9 U	5 U	4.9 U	NA	4.8 U	4.8 U	5 U	4.9 U	5 U	5 U	4.8 U	5 U	NA	5.1 U	5 U	4.8 U
Bis(2-chloroethoxy)methane	5	49 U	9.8 U	9.6 U	NA	10 U	9.9 U	10 U	9.8 U	NA	9.6 U	10 U	9.7 U	10 U	10 U	10 U	9.6 U	10 U	NA	10 U	10 U	9.6 U
Bis(2-chloroethyl)ether	1	49 U	9.8 U	9.6 U	NA	10 U	9.9 U	10 U	9.8 U	NA	9.6 U	9.6 U	10 U	9.7 U	10 U	10 U	9.6 U	10 U	NA	10 U	10 U	9.6 U
Bis(2-chloroisopropyl)ether	5	49 U	9.8 U	9.6 U	NA	10 U	9.9 U	10 U	9.8 U	NA	9.6 U	9.6 U	10 U	9.7 U	10 U	10 U	9.6 U	10 U	NA	10 U	10 U	9.6 U
Bis(2-ethylhexyl)phthalate	5	49 U	9.8 U	9.6 U	NA	10 U	9.9 U	10 U	9.8 U	NA	9.6 U	9.6 U	10 U	9.7 U	10 U	10 U	9.6 U	10 U	NA	10 U	10 U	**0.84 J**
4-Bromophenyl phenyl ether	NC	49 U	9.8 U	9.6 U	NA	10 U	9.9 U	10 U	9.8 U	NA	9.6 U	9.6 U	10 U	9.7 U	10 U	10 U	9.6 U	10 U	NA	10 U	10 U	9.6 U
Butylbenzylphthalate	50	49 U	9.8 U	9.6 U	NA	10 U	9.9 U	10 U	9.8 U	NA	9.6 U	9.6 U	10 U	9.7 U	10 U	10 U	9.6 U	10 U	NA	10 U	10 U	9.6 U
Carbazole	NC	49 U	9.8 U	9.6 U	NA	10 U	9.9 U	10 U	9.8 U	NA	9.6 U	9.6 U	10 U	9.7 U	10 U	10 U	9.6 U	10 U	NA	10 U	10 U	9.6 U
4-Chloroaniline	5	49 U	9.8 U	9.6 U	NA	10 U	9.9 U	10 U	9.8 U	NA	9.6 U	9.6 U	10 U	9.7 U	10 U	10 U	9.6 U	10 U	NA	10 U	10 U	9.6 U
4-Chloro-3-methylphenol	NC	49 U	9.8 U	9.6 U	NA	10 U	9.9 U	10 U	9.8 U	NA	9.6 U	9.6 U	10 U	9.7 U	10 U	10 U	9.6 U	10 U	NA	10 U	10 U	9.6 U
2-Chloronaphthalene	10	49 U	9.8 U	9.6 U	NA	10 U	9.9 U	10 U	9.8 U	NA	9.6 U	9.6 U	10 U	9.7 U	10 U	10 U	9.6 U	10 U	NA	10 U	10 U	9.6 U
2-Chlorophenol	NC	**16 J**	9.8 U	9.6 U	NA	10 U	9.9 U	10 U	9.8 U	NA	9.6 U	9.6 U	10 U	9.7 U	10 U	10 U	**0.99 J**	9.6 U	**2.7 J**	NA	**3.2 J**	10 U	9.6 U
4-Chlorophenylphenyl ether	NC	49 U	9.8 U	9.6 U	NA	10 U	9.9 U	10 U	9.8 U	NA	9.6 U	9.6 U	10 U	9.7 U	10 U	10 U	9.6 U	10 U	NA	10 U	10 U	9.6 U
Chrysene	0.002	24 U	4.9 U	4.8 U	NA	5.2 U	4.9 U	5 U	4.9 U	NA	4.8 U	4.8 U	5 U	4.9 U	5 U	5 U	4.8 U	5 U	NA	5.1 U	5 U	4.8 U
Dibenz(a,h)anthracene	NC	3.3 U	4.9 U	4.8 U	NA	5.2 U	4.9 U	5 U	4.9 U	NA	4.8 U	4.8 U	5 U	4.9 U	5 U	5 U	4.8 U	5 U	NA	5.1 U	5 U	4.8 U
Dibenzofuran	NC	24 U	4.9 U	4.8 U	NA	5.2 U	4.9 U	5 U	4.9 U	NA	4.8 U	4.8 U	5 U	4.9 U	5 U	5 U	4.8 U	5 U	NA	5.1 U	5 U	4.8 U
Di-n-butylphthalate	50	49 U	9.8 U	9.6 U	NA	10 U	9.9 U	10 U	9.8 U	NA	9.6 U	9.6 U	10 U	9.7 U	10 U	10 U	9.6 U	10 U	NA	10 U	10 U	9.6 U
1,2-Dichlorobenzene	3	NA	NA	4.8 U	NA	5.2 U	4.9 U	5 U	NA	NA	4.8 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	3	NA	NA	4.8 U	NA	5.2 U	4.9 U	5 U	NA	NA	4.8 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	3	NA	NA	4.8 U	NA	5.2 U	4.9 U	5 U	NA	NA	4.8 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3-Dichlorobenzidine	5	49 U	9.8 U	9.6 U	NA	10 U	9.9 U	10 U	9.8 U	NA	9.6 U	9.6 U	10 U	9.7 U	10 U	10 U	9.6 U	10 U	NA	10 U	10 U	9.6 U
2,4-Dichlorophenol	5	49 U	9.8 U	9.6 U	NA	10 U	9.9 U	10 U	9.8 U	NA	9.6 U	9.6 U	10 U	9.7 U	10 U	10 U	9.6 U	10 U	NA	10 U	10 U	9.6 U
Diethylphthalate	50	49 U	9.8 U	9.6 U	NA	10 U	9.9 U	10 U	9.8 U	NA	9.6 U	9.6 U	10 U	9.7 U	10 U	**0.57 J**	9.6 U	10 U	NA	10 U	10 U	9.6 U
2,4-Dimethylphenol	50	**58**	9.8 U	9.6 U	NA	10 U	9.9 U	10 U	9.8 U	NA	9.6 U	9.6 U	10 U	9.7 U	10 U	10 U	9.6 U	**31**	NA	**29**	**0.85 J**	9.6 U
Dimethylphthalate	50	49 U	9.8 U	9.6 U	NA	10 U	9.9 U	10 U	9.8 U	NA	9.6 U	9.6 U	10 U	9.7 U	10 U	10 U	9.6 U	10 U	NA	10 U	10 U	9.6 U
4,6-Dinitro-2-methylphenol	NC	49 U	9.8 U	9.6 U	NA	7.3 U	9.9 U	7 U	9.8 U	NA	9.6 U	9.6 U	7.1 U	9.7 U	7.1 U	7 U	7 U	9.6 U	7 U	NA	7.2 U	7 U	9.6 U
2,4-Dinitrophenol	10	49 U	9.8 U	9.6 U	NA	8.4 U	9.9 U	8.1 U	9.8 U	NA	9.6 U	9.6 U	8.1 U	9.7 U	8.1 U	8.1 U	9.6 U	8.1 U	NA	8.2 U	8.1 U	9.6 U
2,4-Dinitrotoluene	5	49 U	9.8 U	9.6 U	NA	10 U	9.9 U	10 U	9.8 U	NA	9.6 U	9.6 U	10 U	9.7 U	10 U	10 U	9.6 U	10 U	NA	10 U	10 U	9.6 U
2,6-Dinitrotoluene	5	49 U	9.8 U	9.6 U	NA	10 U	9.9 U	10 U	9.8 U	NA	9.6 U	9.6 U	10 U	9.7 U	10 U	10 U	9.6 U	10 U	NA	10 U	10 U	9.6 U
Di-n-octylphthalate	NC	49 U	9.8 U	9.6 U	NA	4.1 U	9.9 U	3.9 U	9.8 U	NA	9.6 U	9.6 U	4 U	9.7 U	4 U	3.9 U	3.9 U	9.6 U	3.9 U	NA	4 U	3.9 U	9.6 U
1,2-Diphenylhydrazine/Azobenzene	NC	NA	NA	9.6 U	NA	10 U	9.9 U	10 U	NA	NA	9.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	50	24 U	4.9 U	4.8 U	NA	5.2 U	4.9 U	5 U	4.9 U	NA	4.8 U	4.8 U	5 U	4.9 U	5 U	5 U	4.8 U	5 U	NA	5.1 U	5 U	4.8 U
Fluorene	50	24 U	4.9 U	4.8 U	NA	5.2 U	4.9 U	5 U	4.9 U	NA	4.8 U	4.8 U	5 U	4.9 U	5 U	5 U	4.8 U	5 U	NA	5.1 U	5 U	4.8 U
Formaldehyde	8	NA	NA	NA	ND	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	**40 Ja**	NA	NA	NA
Hexachlorobenzene	0.04	49 U	9.8 U	9.6 U	NA	10 U	9.9 U	10 U	9.8 U	NA	9.6 U	9.6 U	10 U	9.7 U	10 U	10 U	9.6 U	10 U	NA	10 U	10 U	9.6 U
Hexachlorobutadiene	0.5	49 U	9.8 U	9.6 U	NA	10 U	9.9 U	10 U	9.8 U	NA	9.6 U	9.6 U	10 U	9.7 U	10 U	10 U	9.6 U	10 U	NA	10 U	10 U	9.6 U
Hexachlorocyclopentadiene	5	49 U	9.8 U	9.6 U	NA	3.8 U	9.9 U	3.7 U	9.8 U	NA	9.6 U	9.6 U	3.7 U	9.7 U	3.7 U	3.7 U	9.6 U	3.7 U	NA	3.7 U	3.7 U	9.6 U
Hexachloroethane	5	49 U	9.8 U	9.6 U	NA	10 U	9.9 U	10 U	9.8 U	NA	9.6 U	9.6 U	10 U	9.7 U	10 U	10 U	9.6 U	10 U	NA	10 U	10 U	9.6 U
Indeno(1,2,3-cd)pyrene	0.002	3.6 U	4.9 U	4.8 U	NA	5.2 U	4.9 U	5 U	4.9 U	NA	4.8 U	4.8 U	5 U	4.9 U	5 U	5 U	4.8 U	5 U	NA	5.1 U	5 U	4.8 U
Isophorone	50	49 U	9.8 U	9.6 U	NA	10 U	9.9 U	10 U	9.8 U	NA	9.6 U	9.6 U	10 U	9.7 U	10 U	10 U	9.6 U	10 U	NA	10 U	10 U	9.6 U
1-Methylnaphthalene	NC	NA	NA	4.8 U	NA	5.2 U	4.9 U	5 U	NA	NA	4.8 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	NC	3.4 U	4.9 U	4.8 U	NA	5.2 U	4.9 U	5 U	4.9 U	NA	4.8 U	4.8 U	5 U	4.9 U	5 U	5 U	4.8 U	5 U	NA	5.1 U	5 U	4.8 U
o-cresol	NC	**1,500**	9.8 U	9.6 U	NA	10 U	9.9 U	10 U	9.8 U	NA	9.6 U	9.6 U	10 U	9.7 U	10 U	**35**	9.6 U	**510**	NA	**600**	10 U	**0.57 J**
3 & 4-Methylphenol (m,p-Cresol)	NC	**2,300**	9.8 U	9.6 U	NA	10 U	9.9 U	10 U	9.8 U	NA	9.6 U	9.6 U	10 U	9.7 U	10 U	**5.7 J**	9.6 U	**540**	NA	**600**	10 U	9.6 U
Naphthalene	10	3 U	4.9 U	4.8 U	NA	5.2 U	4.9 U	5 U	4.9 U	NA	4.8 U	4.8 U	5 U	4.9 U	5 U	**35**	**0.77 J**	5 U	NA	**0.84 J**	**0.65 J**	4.8 U
Nitrobenzene	0.4	49 U	9.8 U	9.6 U	NA	10 U	9.9 U	10 U	9.8 U	NA	9.6 U	9.6 U	10 U	9.7 U	10 U	10 U	9.6 U	10 U	NA	10 U	10 U	9.6 U
2-Nitroaniline	5	49 U	9.8 U	9.6 U	NA	10 U	9.9 U	10 U	9.8 U	NA	9.6 U	9.6 U	10 U	9.7 U	10 U	10 U	9.6 U	10 U	NA	10 U	10 U	9.6 U
3-Nitroaniline	5	49 U	9.8 U	9.6 U	NA	10 U	9.9 U	10 U	9.8 U	NA	9.6 U	9.6 U	10 U	9.7 U	10 U	10 U	9.6 U	10 U	NA	10 U	10 U	9.6 U
4-Nitroaniline	5	49 U	9.8 U	9.6 U	NA	10 U	9.9 U	10 U	9.8 U	NA	9.6 U	9.6 U	10 U	9.7 U	10 U	10 U	9.6 U	10 U	NA	10 U	10 U	9.6 U
2-Nitrophenol	NC	49 U	9.8 U	9.6 U	NA	10 U	9.9 U	10 U	9.8 U	NA	9.6 U	9.6 U	10 U	9.7 U	10 U	10 U	9.6 U	10 U	NA	10 U	10 U	9.6 U
4-Nitrophenol	NC	49 U	9.8 U	9.6 U	NA	2.2 U	9.9 U	2.1 U	9.8 U	NA	9.6 U	9.6 U	2.1 U	9.7 U	2.1 U	2.1 U	9.6 U	2.1 U	NA	2.1 U	2.1 U	9.6 U
N-Nitrosodiphenylamine	50	49 U	9.8 U	9.6 U	NA	10 U	9.9 U	10 U	9.8 U	NA	9.6 U	9.6 U	10 U	9.7 U	10 U	10 U	9.6 U	10 U	NA	10 U	10 U	9.6 U
N-Nitrosodimethylamine	NC	NA	NA	9.6 U	NA	10 U	9.9 U	10 U	NA	NA	9.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-di-n-propylamine	NC	49 U	9.8 U	9.6 U	NA	10 U	9.9 U	10 U	9.8 U	NA	9.6 U	9.6 U	10 U	9.7 U	10 U	10 U	9.6 U	10 U	NA	10 U	10 U	9.6 U
Pentachloronitrobenzene	NC	NA	NA	9.6 U	NA	10 U	9.9 U	10 U	NA	NA	9.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	1	49 U	9.8 U	9.6 U	NA	3.7 U	9.9 U	3.5 U	9.8 U	NA	9.6 U	9.6 U	3.5 U	9.7 U	3.5 U	3.5 U	9.6 U	3.5 U	NA	3.6 U	3.5 U	9.6 U
Phenanthrene	50	24 U	4.9 U	4.8 U	NA	5.2 U	4.9 U	5 U	4.9 U	NA	4.8 U	4.8 U	5 U	4.9 U	5 U	5 U	4.8 U	5 U	NA	5.1 U	5 U	4.8 U
Phenol	1	**200,000**	**8.3 J**	9.6 U	NA	10 U	9.9 U	10 U	9.8 U	NA	**3.5 J**	9.6 U	10 U	9.7 U	**1.8 J**	**0.31 J**	**630**	9.6 U	**23,000**	NA	**24,000**	**0.32 J**	**19**
Pyrene	50	3 U	4.9 U	4.8 U	NA	5.2 U	4.9 U	5 U	4.9 U	NA	4.8 U	4.8 U	5 U	4.9 U	5 U	5 U	4.8 U	5 U	NA	5.1 U	5 U	4.8 U
Pyridine	NC	NA	NA	4.8 U	NA	5.2 U	4.9 U	5 U	NA	NA	4.8 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4,5-Tetrachlorobenzene	5	49 U	9.8 U	9.6 U	NA	10 U	9.9 U	10 U	9.8 U	NA	9.6 U	9.6 U	10 U	9.7 U	10 U	10 U	9.6 U	10 U	NA	10 U	10 U	9.6 U
1,2,4-Trichlorobenzene	5	NA	NA	4.8 U	NA	5.2 U	4.9 U	5 U	NA	NA	4.8 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	NC	49 U	9.8 U	9.6 U	NA	10 U	9.9 U	10 U	9.8 U	NA	9.6 U	9.6 U	10 U	9.7 U	10 U	10 U	9.6 U	10 U	NA	10 U	10 U	9.6 U
2,4,6-Trichlorophenol	NC	49 U	9.8 U	9.6 U	NA	10 U	9.9 U	10 U	9.8 U	NA	9.6 U	9.6 U	10 U	9.7 U	10 U	10 U	9.6 U	10 U	NA	10 U	10 U	9.6 U
TICs	Class GA Value*	**Results (µg/L)**																				
2,4,6-Cycloheptatrien-1-one	NC	NA	NA	NA	NA	NA	NA	**170 N**	NA	NA	NA	NA	NA	NA	NA	NA	**46 N**	NA	**46 N**	NA	NA	
Benzoic acid, 2-hydroxy-	NC	**67 N**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**11 N**	NA	**11 N**	NA	NA	
Benzoic acid, 3-methyl-	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**4.7 N**	NA	**4.9 N**	NA	NA	
Benzenepropanoic acid	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**6.8 N**	NA	**7.1 N**	NA	NA	
Phenol, 4,4'-methylenebis-	NC	**140 N**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**490 N**	**32 N**	NA	**32 N**	NA	NA	
Phenol, 2-[(4-hydroxyphenyl...	NC	**190 N**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**410 N**	**40 N**	NA	**41 N**	NA	NA	
4H-1,3-Benzodioxin	NC	NA	NA	NA	NA	NA	NA	NA	NA	**320 N**	NA	**24 N**	NA	**28 N**	**180 N**	NA	NA	**610 N**	NA	NA	**560 N**	**78 N**
Triphenylphosphine oxide	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**11 N**	NA	NA	NA	NA	NA	NA	
2,2'-Methylenebis	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**40 N**	NA	NA	NA	NA	NA	

Notes:
ug/L - micrograms per liter.
J - Estimated value.
Ja - Estimated below RL
N - Indicates presumptive evidence of a compound.
NA - Sample not analyzed for the listed analyte.
NC - No NYSDEC standards exist for this analyte.
U - Analyte was not detected at specified quantitation limit.
Values in **bold** indicate the analyte was detected.
Values shown in bold and shaded type exceed the listed Guidance Value.
SVOCs - Semivolatile Organic Compounds.
* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA Water
(a) - criteria applicable to the sum of the cis and trans isomers.

Table 6
New York State Department of Environmental Conservation
Former Borden Chemical - Site No.709001
Supplemental Investigation Report
Bainbridge, New York
Summary of PCBs and PFAS in Groundwater - June 2022

	Sample ID	BC-MW-17		BC-MW-21		BC-MW-2B		BC-SB-126	
	Laboratory ID	22G0121-03		22G0121-04		22G0121-02		22F0762-14	
	Sample Date	6/30/2022		6/30/2022		6/30/2022		6/9/2022	
Analyte	Guidance Value*	**Results (µg/L)**							
PCBs									
Aroclor-1016	NC	0.2	U	0.19	U	0.19	U	NA	
Aroclor-1221	NC	0.2	U	0.19	U	0.19	U	NA	
Aroclor-1232	NC	0.2	U	0.19	U	**0.91**		NA	
Aroclor-1242	NC	0.2	U	0.19	U	0.19	U	NA	
Aroclor-1248	NC	0.2	U	0.19	U	0.19	U	NA	
Aroclor-1254	NC	0.2	U	0.19	U	0.19	U	NA	
Aroclor-1260	NC	0.2	U	0.19	U	0.19	U	NA	
Aroclor-1262	NC	0.2	U	0.19	U	0.19	U	NA	
Aroclor-1268	NC	0.2	U	0.19	U	0.19	U	NA	
Total PCBs	0.09	0.2	U	0.19	U	**0.91**		NA	
Analyte	Guidance Value**	**Results (ng/L)**							
PFAS									
Perfluorobutanoic Acid (PFBA)	NC	NA		NA		NA		4.2	U
Perfluorobutanesulfonic Acid (PFBS)	NC	NA		NA		NA		4.2	U
Perfluoropentanoic Acid (PFPeA)	NC	NA		NA		NA		4.2	U
Perfluorohexanoic Acid (PFHxA)	NC	NA		NA		NA		4.2	U
F-53B Minor	NC	NA		NA		NA		4.2	U
F-53B Major	NC	NA		NA		NA		4.2	U
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	NC	NA		NA		NA		4.2	U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NC	NA		NA		NA		**1.4**	**J**
8:2 Fluorotelomer Sulfonate (8:2 FTS)	NC	NA		NA		NA		4.2	U
Perfluorodecanoic Acid (PFDA)	NC	NA		NA		NA		4.2	U
Perfluorododecanoic Acid (PFDoA)	NC	NA		NA		NA		4.2	U
Perfluoro(2-ethoxyethane)sulfonic Acid (PFEESA)	NC	NA		NA		NA		4.2	U
Perfluoroheptanesulfonic Acid (PFHpS)	NC	NA		NA		NA		4.2	U
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (N-EtFOSAA)	NC	NA		NA		NA		4.2	U
2-(N-methyl perfluorooctanesulfonamido) acetic Acid (N-MeFOSAA)	NC	NA		NA		NA		4.2	U
Perfluorotetradecanoic Acid (PFTeA)	NC	NA		NA		NA		4.2	U
Perfluorotridecanoic Acid (PFTriA)	NC	NA		NA		NA		4.2	U
4:2 Fluorotelomer Sulfonate (4:2 FTS)	NC	NA		NA		NA		4.2	U
Perfluorodecanesulfonic Acid (PFDS)	NC	NA		NA		NA		4.2	U
Perfluorooctane Sulfonamide (FOSA)	NC	NA		NA		NA		4.2	U
Perfluorononanesulfonic Acid (PFNS)	NC	NA		NA		NA		4.2	U
Perfluoro-1-hexanesulfonamide (FHxSA)	NC	NA		NA		NA		4.2	U
Perfluorobutylsulfonamide (FBSA)	NC	NA		NA		NA		4.2	U
Perfluorohexanesulfonic Acid (PFHxS)	NC	NA		NA		NA		**0.71**	**J**
Perfluoro-3-methoxypropanoic Acid (PFMPA)	NC	NA		NA		NA		4.2	U
Perfluoro(4-methoxybutanoic) Acid (PFMBA)	NC	NA		NA		NA		4.2	U
6:2 Fluorotelomer Sulfonate (6:2 FTS)	NC	NA		NA		NA		4.2	U
Perfluoropentanesulfonic Acid (PFPeS)	NC	NA		NA		NA		4.2	U
Perfluoroundecanoic Acid (PFUnA)	NC	NA		NA		NA		4.2	U
Perfluoro-3,6-dioxaheptanoic Acid (NFDHA)	NC	NA		NA		NA		4.2	U
Perfluoroheptanoic Acid (PFHpA)	NC	NA		NA		NA		4.2	U
Perfluorooctanoic Acid (PFOA)	6.7**	NA		NA		NA		4.2	U
Perfluorooctanesulfonic Acid (PFOS)	2.7**	NA		NA		NA		**1.6**	**J**
Perfluorononanoic Acid (PFNA)	NC	NA		NA		NA		4.2	U

Notes:

ng/L - nanograms per liter.

ug/L - micrograms per liter.

J - Estimated value.

NA - Sample not analyzed for the listed analyte.

NC - No NYSDEC standard exists for this analyte.

U - Analyte was not detected at specified quantitation limit.

Values in **bold** indicate the analyte was detected.

Values shown in bold and shaded type exceed the listed Guidance Value.

PCBs - Polychlorinated Biphenyls.

PFAS - Per- and Polyfluoroalkyl Substances.

* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA water,
June 1998 with the April 2000 Addendum.

** - Guidelines for Sampling and Analysis of PFAS NYSDEC Part 375 Remedial Programs, proposed 2023 Addendum.

Table 7
New York State Department of Environmental Conservation
Former Borden Chemical - Site No.709001
Supplemental Investigation Report
Bainbridge, New York
Analytical Summary of VOCs and SVOCs in Sediment - June 2022

		Sample ID	BC-SE-101 (0-0.5)		BC-SE-102 (0-0.5)		BC-SE-103 (0-0.5)		BC-FD-06 (0-0.5)		BC-SE-104 (0-0.5)	
		Laboratory ID	22F1994-05		22F1994-04		22F1994-03		22F1994-06		22F1994-02	
		Sample Depth	0-0.5 ft		0-0.5 ft		0-0.5 ft		0-0.5 ft		0-0.5 ft	
		Sample Date	6/28/2022		6/28/2022		6/28/2022		6/28/2022		6/28/2022	
Analyte	NYSDEC UUSCO	NYSDEC CUSCO	**Results (mg/kg)**									
VOCs												
Acetone	0.05	500	**0.154**		**0.113**		**0.271**		**0.297**		**0.239**	
Benzene	0.06	44	0.001	U	0.001	U	0.001	U	0.00123	U	0.001	U
Bromochloromethane	NS	NS	0.001	U	0.001	U	0.001	U	0.00123	U	0.001	U
Bromodichloromethane	NS	NS	0.001	U	0.001	U	0.001	U	0.00123	U	0.001	U
Bromoform	NS	NS	0.001	U	0.001	U	0.001	U	0.00123	U	0.001	U
Bromomethane	NS	NS	0.005	U	0.005	U	0.005	U	0.00615	U	0.005	U
2-Butanone (MEK)	0.12	500	**0.00860**	**J**	**0.00847**	**J**	**0.0149**		**0.0172**		**0.0255**	
Carbon Disulfide	NS	NS	0.001	U	**0.000713**	**J**	0.001	U	0.00123	U	0.001	U
Carbon Tetrachloride	0.76	22	0.001	U	0.001	U	0.001	U	0.00123	U	0.001	U
Chlorobenzene	1.1	500	0.001	U	0.001	U	0.001	U	NA		0.001	U
Chloroethane	NS	NS	0.005	U	0.005	U	0.005	U	0.00615	U	0.005	U
Chloroform	0.37	350	0.005	U	0.005	U	0.005	U	0.00615	U	0.005	U
Chloromethane	NS	NS	0.0025	U	0.0025	U	0.0025	U	0.00308	U	0.0025	U
Cyclohexane	NS	NS	NA		NA		NA		0.01	U	NA	
Chlorodibromomethane	NS	NS	0.001	U	0.001	U	0.001	U	0.00123	U	0.001	U
1,2-Dibromo-3-Chloropropane (DBCP)	NS	NS	0.005	U	0.005	U	0.005	U	0.00615	U	0.005	U
1,2-Dibromoethane	NS	NS	0.001	U	0.001	U	0.001	U	0.00123	U	0.001	U
1,2-Dichlorobenzene	1.1	500	0.001	U	0.001	U	0.001	U	0.00123	U	0.001	U
1,3-Dichlorobenzene	2.4	280	0.001	U	0.001	U	0.001	U	0.00123	U	0.001	U
1,4-Dichlorobenzene	1.8	130	0.001	U	0.001	U	0.001	U	0.00123	U	0.001	U
Dichlorodifluoromethane (Freon 12)	NS	NS	0.005	U	0.005	U	0.005	U	0.00615	U	0.005	U
1,1-Dichloroethane	0.27	240	0.001	U	0.001	U	0.001	U	0.00123	U	0.001	U
1,2-Dichloroethane	0.02	30	0.001	U	0.001	U	0.001	U	0.00123	U	0.001	U
1,1-Dichloroethylene	0.33	500	0.001	U	0.001	U	0.001	U	0.00123	U	0.001	U
cis-1,2-Dichloroethylene	0.25	500	0.001	U	0.001	U	0.001	U	0.00123	U	0.001	U
trans-1,2-Dichloroethylene	0.19	500	0.001	U	0.001	U	0.001	U	0.00123	U	0.001	U
1,2-Dichloropropane	NS	NS	0.001	U	0.001	U	0.001	U	0.00123	U	0.001	U
cis-1,3-Dichloropropene	NS	NS	0.001	U	0.001	U	0.001	U	0.00123	U	0.001	U
trans-1,3-Dichloropropene	NS	NS	0.001	U	0.001	U	0.001	U	0.00123	U	0.001	U
1,4-Dioxane	0.1	130	2.5	U	2.5	U	2.5	U	2.5	U	0.1	U
Ethyl Benzene	1	390	0.001	U	0.001	U	0.001	U	0.00123	U	0.001	U
2-Hexanone (MBK)	NS	NS	0.025	U	0.025	U	0.025	U	0.0308	U	0.025	U
Isopropylbenzene (Cumene)	NS	NS	0.001	U	0.001	U	0.001	U	0.00123	U	0.001	U
Methyl Acetate	NS	NS	0.02	U	0.02	U	**0.0100**	**J**	**0.0331**		**0.0104**	**J**
Methyl tert-Butyl Ether (MTBE)	0.93	500	0.001	U	0.001	U	0.001	U	0.00123	U	0.001	U
Methyl Cyclohexane	NS	NS	0.001	U	0.001	U	0.001	U	0.00123	U	0.001	U
Methylene Chloride	0.05	500	**0.00850**		**0.0103**		**0.0150**		**0.0296**		**0.0108**	
4-Methyl-2-pentanone (MIBK)	NS	NS	0.01	U	0.01	U	**0.0105**		**0.00259**	**J**	**0.00596**	**J**
Styrene	NS	NS	0.001	U	0.001	U	0.001	U	0.00123	U	0.001	U
1,1,2,2-Tetrachloroethane	NS	NS	0.001	U	0.001	U	0.001	U	0.00123	U	0.001	U
Tetrachloroethylene	1.3	150	0.001	U	0.001	U	0.001	U	0.00123	U	0.001	U
Toluene	0.7	500	0.005	U	0.005	U	**0.00505**		**0.00208**	**J**	0.005	U
1,2,3-Trichlorobenzene	NS	NS	0.001	U	0.001	U	0.001	U	0.00123	U	0.001	U
1,2,4-Trichlorobenzene	NS	NS	0.001	U	0.001	U	0.001	U	0.00123	U	0.001	U
1,1,1-Trichloroethane	0.68	500	0.001	U	0.001	U	0.001	U	0.00123	U	0.001	U
1,1,2-Trichloroethane	NS	NS	0.001	U	0.001	U	0.001	U	0.00123	U	0.001	U
Trichloroethylene	0.47	200	0.001	U	0.001	U	0.001	U	0.00123	U	0.001	U
Trichlorofluoromethane (Freon 11)	NS	NS	0.005	U	0.005	U	0.005	U	0.00615	U	0.005	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 11	NS	NS	0.001	U	0.001	U	0.001	U	0.00123	U	0.001	U
Vinyl Chloride	0.02	13	0.001	U	0.001	U	0.001	U	0.00123	U	0.001	U
Xylenes (total)	0.26	500	0.003	U	0.003	U	0.003	U	0.00369	U	0.003	U

Notes:
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
J - Estimated value.
NA - Sample not analyzed for the listed analyte.
NC - No NYSDEC SCOs exist for this analyte.
NYSDEC UUSCO - Title 6 NYCRR Part 375, Table 375-6.8(a) Unrestricted Use Soil Cleanup Objectives
NYSDEC CUSCO - Title 6 NYCRR Part 375, Table 375-6.8(b) Commercial Use Soil Cleanup Objectives
U - Analyte was not detected at specified quantitation limit.
Values in **bold** indicate the analyte was detected.
Values shown in bold and color type exceed the corresponding listed NYSDEC criteria.
VOCs - Volatile Organic Compounds.

Table 7
New York State Department of Environmental Conservation
Former Borden Chemical - Site No.709001
Supplemental Investigation Report
Bainbridge, New York
Analytical Summary of VOCs and SVOCs in Sediment - June 2022

		Sample ID	BC-SE-101 (0-0.5)		BC-SE-102 (0-0.5)		BC-SE-103 (0-0.5)		BC-FD-06 (0-0.5)		BC-SE-104 (0-0.5)	
		Laboratory ID	22F1994-05		22F1994-04		22F1994-03		22F1994-06		22F1994-02	
		Sample Depth	0-0.5 ft		0-0.5 ft		0-0.5 ft		0-0.5 ft		0-0.5 ft	
		Sample Date	6/28/2022		6/28/2022		6/28/2022		6/28/2022		6/28/2022	
Analyte	NYSDEC UUSCO	NYSDEC CUSCO	**Results (mg/kg)**									
SVOCs												
Atrazine	NS	NS	0.86	U	0.79	U	0.89	U	0.88	U	0.97	U
Benzaldehyde	NS	NS	0.44	U	0.4	U	0.45	U	0.45	U	0.49	U
1,1'-Biphenyl	NS	NS	0.86	U	0.79	U	0.89	U	0.88	U	0.97	U
Caprolactam	NS	NS	0.44	U	0.4	U	0.45	U	0.45	U	0.49	U
Acenaphthene	20	500	0.22	U	0.2	U	0.23	U	0.22	U	0.25	U
Acenaphthylene	100	500	0.22	U	0.2	U	0.23	U	0.22	U	0.25	U
Acetophenone	NS	NS	0.44	U	0.4	U	0.45	U	0.45	U	0.49	U
Anthracene	100	500	**0.092**	**J**	0.2	U	0.23	U	0.22	U	0.25	U
Benzo(a)anthracene	1	5.6	**0.41**		**0.14**	**J**	**0.11**	**J**	**0.11**	**J**	**0.20**	**J**
Benzo(a)pyrene	1	1	**0.40**		**0.14**	**J**	**0.11**	**J**	**0.12**	**J**	**0.21**	**J**
Benzo(b)fluoranthene	1	5.6	**0.46**		**0.16**	**J**	**0.13**	**J**	**0.14**	**J**	**0.25**	
Benzo(g,h,i)perylene	100	500	**0.16**	**J**	0.2	U	0.23	U	0.22	U	**0.12**	**J**
Benzo(k)fluoranthene	0.8	56	**0.20**	**J**	**0.073**	**J**	0.23	U	0.22	U	**0.12**	**J**
Bis(2-chloroethoxy)methane	NS	NS	0.44	U	0.4	U	0.45	U	0.45	U	0.49	U
Bis(2-chloroethyl)ether	NS	NS	0.44	U	0.4	U	0.45	U	0.45	U	0.49	U
Bis(2-chloroisopropyl)ether	NS	NS	0.44	U	0.4	U	0.45	U	0.45	U	0.49	U
Bis(2-ethylhexyl)phthalate	NS	NS	0.44	U	**0.29**	**J**	0.45	U	0.45	U	0.49	U
4-Bromophenyl phenyl ether	NS	NS	0.44	U	0.4	U	0.45	U	0.45	U	0.49	U
Butylbenzylphthalate	NS	NS	0.44	U	0.4	U	0.45	U	0.45	U	0.49	U
Carbazole	NS	NS	0.22	U	0.2	U	0.23	U	0.22	U	0.25	U
4-Chloroaniline	NS	NS	0.85	U	0.78	U	0.88	U	0.87	U	0.96	U
4-Chloro-3-methylphenol	NS	NS	0.85	U	0.78	U	0.88	U	0.87	U	0.96	U
2-Chloronaphthalene	NS	NS	0.44	U	0.4	U	0.45	U	0.45	U	0.49	U
2-Chlorophenol	NS	NS	0.44	U	0.4	U	0.45	U	0.45	U	0.49	U
4-Chlorophenylphenyl ether	NS	NS	0.44	U	0.4	U	0.45	U	0.45	U	0.49	U
Chrysene	1	56	**0.43**		**0.15**	**J**	**0.12**	**J**	**0.11**	**J**	**0.21**	**J**
Dibenz(a,h)anthracene	0.33	0.56	0.22	U	0.2	U	0.23	U	0.22	U	0.25	U
Dibenzofuran	7	350	0.44	U	0.4	U	0.45	U	0.45	U	0.49	U
Di-n-butylphthalate	NS	NS	0.44	U	0.4	U	0.45	U	0.45	U	0.49	U
3,3'-Dichlorobenzidine	NS	NS	0.22	U	0.2	U	0.23	U	0.22	U	0.25	U
2,4-Dichlorophenol	NS	NS	0.44	U	0.4	U	0.45	U	0.45	U	0.49	U
Diethylphthalate	NS	NS	0.44	U	0.4	U	0.45	U	0.45	U	0.49	U
2,4-Dimethylphenol	NS	NS	0.44	U	0.4	U	0.45	U	0.45	U	0.49	U
Dimethylphthalate	NS	NS	0.44	U	0.4	U	0.45	U	0.45	U	0.49	U
4,6-Dinitro-2-methylphenol	NS	NS	0.44	U	0.4	U	0.45	U	0.45	U	0.49	U
2,4-Dinitrophenol	NS	NS	0.85	U	0.78	U	0.88	U	0.87	U	0.96	U
2,4-Dinitrotoluene	NS	NS	0.44	U	0.4	U	0.45	U	0.45	U	0.49	U
2,6-Dinitrotoluene	NS	NS	0.44	U	0.4	U	0.45	U	0.45	U	0.49	U
Di-n-octylphthalate	NS	NS	0.44	U	0.4	U	0.45	U	0.45	U	0.49	U
Fluoranthene	100	500	**0.94**		**0.31**		**0.24**		**0.24**		**0.50**	
Fluorene	30	500	0.22	U	0.2	U	0.23	U	0.22	U	0.25	U
Hexachlorobenzene	0.33	6	0.44	U	0.4	U	0.45	U	0.45	U	0.49	U
Hexachlorobutadiene	NS	NS	0.44	U	0.4	U	0.45	U	0.45	U	0.49	U
Hexachlorocyclopentadiene	NS	NS	0.44	U	0.4	U	0.45	U	0.45	U	0.49	U
Hexachloroethane	NS	NS	0.44	U	0.4	U	0.45	U	0.45	U	0.49	U
Indeno(1,2,3-cd)pyrene	0.5	5.6	**0.19**	**J**	0.2	U	0.23	U	0.22	U	**0.15**	**J**
Isophorone	NS	NS	0.44	U	0.4	U	0.45	U	0.45	U	0.49	U
2-Methylnaphthalene	NS	NS	0.22	U	0.2	U	0.23	U	0.22	U	0.25	U
o-cresol	0.33	500	0.44	U	0.4	U	0.45	U	0.45	U	0.49	U
3 & 4-Methylphenol (m,p-Cresol)	NS	NS	0.44	U	0.4	U	0.45	U	0.45	U	0.49	U
Naphthalene	12	500	0.22	U	0.2	U	0.23	U	0.22	U	0.25	U
Nitrobenzene	NS	NS	0.44	U	0.4	U	0.45	U	0.45	U	0.49	U
2-Nitroaniline	NS	NS	0.44	U	0.4	U	0.45	U	0.45	U	0.49	U
3-Nitroaniline	NS	NS	0.44	U	0.4	U	0.45	U	0.45	U	0.49	U
4-Nitroaniline	NS	NS	0.44	U	0.4	U	0.45	U	0.45	U	0.49	U
2-Nitrophenol	NS	NS	0.44	U	0.4	U	0.45	U	0.45	U	0.49	U
4-Nitrophenol	NS	NS	0.85	U	0.78	U	0.88	U	0.87	U	0.96	U
N-Nitrosodiphenylamine	NS	NS	0.44	U	0.4	U	0.45	U	0.45	U	0.49	U
N-Nitroso-di-n-propylamine	NS	NS	0.44	U	0.4	U	0.45	U	0.45	U	0.49	U
Pentachlorophenol	0.8	6.7	0.44	U	0.4	U	0.45	U	0.45	U	0.49	U
Phenanthrene	100	500	**0.67**		**0.18**	**J**	**0.14**	**J**	**0.14**	**J**	**0.34**	
Phenol	0.33	500	0.44	U	0.4	U	0.45	U	0.45	U	0.49	U
Pyrene	100	500	**0.90**		**0.30**		**0.23**		**0.23**		**0.41**	
1,2,4,5-Tetrachlorobenzene	NS	NS	0.44	U	0.4	U	0.45	U	0.45	U	0.49	U
2,4,5-Trichlorophenol	NS	NS	0.44	U	0.4	U	0.45	U	0.45	U	0.49	U
2,4,6-Trichlorophenol	NS	NS	0.44	U	0.4	U	0.45	U	0.45	U	0.49	U

Notes:
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
J - Estimated value.
NA - Sample not analyzed for the listed analyte.
NC - No NYSDEC SCOs exist for this analyte.
NYSDEC UUSCO - Title 6 NYCRR Part 375, Table 375-6.8(a) Unrestricted Use Soil Cleanup Objectives
NYSDEC CUSCO - Title 6 NYCRR Part 375, Table 375-6.8(b) Commercial Use Soil Cleanup Objectives
U - Analyte was not detected at specified quantitation limit.
Values in **bold** indicate the analyte was detected.
Values shown in bold and color type exceed the corresponding listed NYSDEC criteria.
SVOCs - Semivolatile Organic Compounds.

Table 8
New York State Department of Environmental Conservation
Former Borden Chemical - Site No.709001
Supplemental Investigation Report
Bainbridge, New York
Analytical Summary of VOCs and SVOCs in Surface Water - September 2022

		Sample ID:	BC-WS/SE-101		BC-WS/SE-DUP		BC-WS/SE-102		BC-WS/SE-103		BC-WS/SE-104	
		Laboratory ID:	22I0894-08		22I0894-09		22I0894-07		22I0894-06		22I0894-05	
		Sample Date:	9/14/2022		9/14/2022		9/14/2022		9/14/2022		9/14/2022	
Analyte	Class GA Values*	Class B Value**	**Results (ug/L)**									
VOCs												
Acetone	50	NC	**5.2**	**J**	**3.8**	**J**	**3.8**	**J**	**3.6**	**J**	**3.4**	**J**
Benzene	1	10	1	U	1	U	1	U	1	U	1	U
Bromochloromethane	5	NC	1	U	1	U	1	U	1	U	1	U
Bromodichloromethane	50	NC	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromoform	50	NC	2	U	2	U	2	U	2	U	2	U
Bromomethane	5	NC	2	U	2	U	2	U	2	U	2	U
2-Butanone (MEK)	50	NC	20	U	20	U	20	U	20	U	20	U
Carbon Disulfide	60	NC	5	U	5	U	5	U	5	U	5	U
Carbon Tetrachloride	5	NC	5	U	5	U	5	U	5	U	5	U
Chlorobenzene	5	5	1	U	1	U	1	U	1	U	1	U
Chloroethane	5	NC	2	U	2	U	2	U	2	U	2	U
Chloroform	7	NC	2	U	2	U	2	U	2	U	2	U
Chloromethane	5	NC	2	U	2	U	2	U	2	U	2	U
Cyclohexane	NC	NC	5	U	5	U	5	U	5	U	5	U
Chlorodibromomethane	50	NC	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dibromo-3-Chloropropane (DBCP)	0.04	NC	5	U	5	U	5	U	5	U	5	U
1,2-Dibromoethane	0.0006	NC	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichlorobenzene	3	5(b)	1	U	1	U	1	U	1	U	1	U
1,3-Dichlorobenzene	3	5(b)	1	U	1	U	1	U	1	U	1	U
1,4-Dichlorobenzene	3	5(b)	1	U	1	U	1	U	1	U	1	U
Dichlorodifluoromethane (Freon 12)	5	NC	2	U	2	U	2	U	2	U	2	U
1,1-Dichloroethane	5	NC	1	U	1	U	1	U	1	U	1	U
1,2-Dichloroethane	0.6	NC	1	U	1	U	1	U	1	U	1	U
1,1-Dichloroethylene	5	NC	1	U	1	U	1	U	1	U	1	U
cis-1,2-Dichloroethylene	5	NC	1	U	1	U	1	U	1	U	1	U
trans-1,2-Dichloroethylene	5	NC	1	U	1	U	1	U	1	U	1	U
1,2-Dichloropropane	1	NC	1	U	1	U	1	U	1	U	1	U
cis-1,3-Dichloropropene	0.4(a)	NC	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
trans-1,3-Dichloropropene	0.4(a)	NC	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,4-Dioxane	NC	NC	50	U	50	U	50	U	50	U	50	U
Ethyl Benzene	5	17	1	U	1	U	1	U	1	U	1	U
2-Hexanone (MBK)	50	NC	10	U	10	U	10	U	10	U	10	U
Isopropylbenzene (Cumene)	5	2.6	1	U	1	U	1	U	1	U	1	U
Methyl Acetate	NC	NC	1	U	1	U	1	U	1	U	1	U
Methyl tert-Butyl Ether (MTBE)	10	NC	1	U	1	U	1	U	1	U	1	U
Methyl Cyclohexane	NC	NC	1	U	1	U	1	U	1	U	1	U
Methylene Chloride	5	200	5	U	5	U	5	U	5	U	5	U
4-Methyl-2-pentanone (MIBK)	NC	NC	10	U	10	U	10	U	10	U	10	U
Styrene	5	NC	1	U	1	U	1	U	1	U	1	U
1,1,2,2-Tetrachloroethane	5	NC	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Tetrachloroethylene	5	1	1	U	1	U	1	U	1	U	1	U
Toluene	5	100	1	U	1	U	1	U	1	U	1	U
1,2,3-Trichlorobenzene	5	NC	5	U	5	U	5	U	5	U	5	U
1,2,4-Trichlorobenzene	5	5	1	U	1	U	1	U	1	U	1	U
1,1,1-Trichloroethane	5	NC	1	U	1	U	1	U	1	U	1	U
1,1,2-Trichloroethane	1	NC	1	U	1	U	1	U	1	U	1	U
Trichloroethylene	5	40	1	U	1	U	1	U	1	U	1	U
Trichlorofluoromethane (Freon 11)	5	NC	2	U	2	U	2	U	2	U	2	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	5	NC	2	U	2	U	2	U	2	U	2	U
Vinyl Chloride	2	NC	2	U	2	U	2	U	2	U	2	U
Xylenes (total)	5	65	1	U	1	U	1	U	1	U	1	U

Notes:
ug/L - micrograms per liter.
B - Analyte detected in associated method blank.
J - Estimated value.
N - Indicates presumptive evidence of a compound.
NA - Sample not analyzed for the listed analyte.
NC - No NYSDEC standards exist for this analyte.
U - Analyte was not detected at specified quantitation limit.
Values in **bold** indicate the analyte was detected.
Values shown in bold and color type exceed the corresponding listed NYSDEC criteria.
VOCs - Volatile Organic Compounds.
* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA water, June 1998 with the April 2000 Addendum.
** - NYSDEC Ambient Water Quality Standards and Guidance Values for Class C Surface Water June 1998 with the April 2000 Addendum. If more than one type of protection exists for a specific parameter the most stringent standard or guidance value was used.
(a) - criteria applicable to the sum of the cis and trans isomers.
(b) - Value applicable to the sum of 1,2-, 1,3-, and 1,4-dichlorobenzene.

Table 8
New York State Department of Environmental Conservation
Former Borden Chemical - Site No.709001
Supplemental Investigation Report
Bainbridge, New York
Analytical Summary of VOCs and SVOCs in Surface Water - September 2022

		Sample ID:	BC-WS/SE-101		BC-WS/SE-DUP		BC-WS/SE-102		BC-WS/SE-103		BC-WS/SE-104	
		Laboratory ID:	22I0894-08		22I0894-09		22I0894-07		22I0894-06		22I0894-05	
		Sample Date:	9/14/2022		9/14/2022		9/14/2022		9/14/2022		9/14/2022	
Analyte	Class GA Values*	Class B Value**	**Results (ug/L)**									
SVOCs												
Atrazine	7.5	NC	20	U	20	U	20	U	20	U	20	U
Benzaldehyde	NC	NC	9.9	U	10	U	10	U	10	U	9.8	U
1,1'-Biphenyl	5	NC	20	U	20	U	20	U	20	U	20	U
Caprolactam	NC	NC	9.9	U	10	U	10	U	10	U	9.8	U
Acenaphthene	20	5.3	5	U	5	U	5	U	5	U	4.9	U
Acenaphthylene	NC	NC	5	U	5	U	5	U	5	U	4.9	U
Acetophenone	NC	NC	9.9	U	10	U	10	U	10	U	9.8	U
Anthracene	50	3.8	5	U	5	U	5	U	5	U	4.9	U
Benzo(a)anthracene	0.002	0.03	5	U	5	U	5	U	5	U	4.9	U
Benzo(a)pyrene	0	0.0012	5	U	5	U	5	U	5	U	4.9	U
Benzo(b)fluoranthene	0.002	NC	5	U	5	U	5	U	5	U	4.9	U
Benzo(g,h,i)perylene	NC	NC	5	U	5	U	5	U	5	U	4.9	U
Benzo(k)fluoranthene	0.002	NC	5	U	5	U	5	U	5	U	4.9	U
Bis(2-chloroethoxy)methane	5	NC	9.9	U	10	U	10	U	10	U	9.8	U
Bis(2-chloroethyl)ether	1	NC	9.9	U	10	U	10	U	10	U	9.8	U
Bis(2-chloroisopropyl)ether	5	NC	9.9	U	10	U	10	U	10	U	9.8	U
Bis(2-ethylhexyl)phthalate	5	0.6	9.9	U	10	U	10	U	10	U	9.8	U
4-Bromophenyl phenyl ether	NC	NC	9.9	U	10	U	10	U	10	U	9.8	U
Butylbenzylphthalate	50	NC	9.9	U	10	U	10	U	10	U	9.8	U
Carbazole	NC	NC	9.9	U	10	U	10	U	10	U	9.8	U
4-Chloroaniline	5	NC	9.9	U	10	U	10	U	10	U	9.8	U
4-Chloro-3-methylphenol	NC	1(c)	9.9	U	10	U	10	U	10	U	9.8	U
2-Chloronaphthalene	10	NC	9.9	U	10	U	10	U	10	U	9.8	U
2-Chlorophenol	NC	1(c)	9.9	U	10	U	10	U	10	U	9.8	U
4-Chlorophenylphenyl ether	NC	NC	9.9	U	10	U	10	U	10	U	9.8	U
Chrysene	0.002	NC	5	U	5	U	5	U	5	U	4.9	U
Dibenz(a,h)anthracene	NC	NC	5	U	5	U	5	U	5	U	4.9	U
Dibenzofuran	NC	NC	5	U	5	U	5	U	5	U	4.9	U
Di-n-butylphthalate	50	NC	9.9	U	10	U	10	U	10	U	9.8	U
3,3'-Dichlorobenzidine	5	NC	9.9	U	10	U	10	U	10	U	9.8	U
2,4-Dichlorophenol	5	1(c)	9.9	U	10	U	10	U	10	U	9.8	U
Diethylphthalate	50	NC	9.9	U	10	U	10	U	10	U	9.8	U
2,4-Dimethylphenol	50	1000	9.9	U	10	U	10	U	10	U	9.8	U
Dimethylphthalate	50	NC	9.9	U	10	U	10	U	10	U	9.8	U
4,6-Dinitro-2-methylphenol	NC	5.0(d)	9.9	U	10	U	10	U	10	U	9.8	U
2,4-Dinitrophenol	10	5.0(d)	9.9	U	10	U	10	U	10	U	9.8	U
2,4-Dinitrotoluene	5	NC	9.9	U	10	U	10	U	10	U	9.8	U
2,6-Dinitrotoluene	5	NC	9.9	U	10	U	10	U	10	U	9.8	U
Di-n-octylphthalate	NC	NC	9.9	U	10	U	10	U	10	U	9.8	U
Fluoranthene	50	NC	5	U	5	U	5	U	5	U	4.9	U
Fluorene	50	0.54	5	U	5	U	5	U	5	U	4.9	U
Hexachlorobenzene	0.04	0.00003	9.9	U	10	U	10	U	10	U	9.8	U
Hexachlorobutadiene	0.5	0.01	9.9	U	10	U	10	U	10	U	9.8	U
Hexachlorocyclopentadiene	5	0.45	9.9	U	10	U	10	U	10	U	9.8	U
Hexachloroethane	5	0.6	9.9	U	10	U	10	U	10	U	9.8	U
Indeno(1,2,3-cd)pyrene	0.002	NC	5	U	5	U	5	U	5	U	4.9	U
Isophorone	50	NC	9.9	U	10	U	10	U	10	U	9.8	U
2-Methylnaphthalene	NC	4.7	5	U	5	U	5	U	5	U	4.9	U
o-cresol	NC	5.0(d)	9.9	U	10	U	10	U	10	U	9.8	U
3/4-Methylphenol (m,p-Cresol)	NC	NC	9.9	U	10	U	10	U	10	U	9.8	U
Naphthalene	10	13	5	U	5	U	5	U	5	U	4.9	U
Nitrobenzene	0.4	NC	9.9	U	10	U	10	U	10	U	9.8	U
2-Nitroaniline	5	NC	9.9	U	10	U	10	U	10	U	9.8	U
3-Nitroaniline	5	NC	9.9	U	10	U	10	U	10	U	9.8	U
4-Nitroaniline	5	NC	9.9	U	10	U	10	U	10	U	9.8	U
2-Nitrophenol	NC	5.0(d)	9.9	U	10	U	10	U	10	U	9.8	U
4-Nitrophenol	NC	5.0(d)	9.9	U	10	U	10	U	10	U	9.8	U
N-Nitrosodiphenylamine	50	NC	9.9	U	10	U	10	U	10	U	9.8	U
N-Nitroso-di-n-propylamine	NC	NC	9.9	U	10	U	10	U	10	U	9.8	U
Pentachlorophenol	1	1(c)	9.9	U	10	U	10	U	10	U	9.8	U
Phenanthrene	50	5	5	U	5	U	5	U	5	U	4.9	U
Phenol	1	5.0(d)	9.9	U	**0.29**	**J**	10	U	10	U	9.8	U
Pyrene	50	4.6	5	U	5	U	5	U	5	U	4.9	U
1,2,4,5-Tetrachlorobenzene	5	NC	9.9	U	10	U	10	U	10	U	9.8	U
2,4,5-Trichlorophenol	NC	1(c)	9.9	U	10	U	10	U	10	U	9.8	U
2,4,6-Trichlorophenol	NC	1(c)	9.9	U	10	U	10	U	10	U	9.8	U
TICs												
Unknown Semivolatile Organic With 1st Highest Conc.	NC	NC	**52**	**BN**	**61**	**BN**	**56**	**BN**	**52**	**BN**	**71**	**BN**
Unknown Semivolatile Organic With 2nd Highest Conc.	NC	NC	**6.9**	**BN**	**6.8**	**BN**	NA		**6.4**	**BN**	NA	
Unknown Semivolatile Organic With 3rd Highest Conc.	NC	NC	NA		NA		NA		**4.3**	**N**	NA	

Notes:
ug/L - micrograms per liter.
B - Analyte detected in associated method blank.
J - Estimated value.
N - Indicates presumptive evidence of a compound.
NA - Sample not analyzed for the listed analyte.
NC - No NYSDEC standards exist for this analyte.
U - Analyte was not detected at specified quantitation limit.
Values in **bold** indicate the analyte was detected.
Values shown in bold and color type exceed the corresponding listed NYSDEC criteria.
SVOCs - Semivolatile Organic Compounds.
* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA water, June 1998 with the April 2000 Addendum.
** - NYSDEC Ambient Water Quality Standards and Guidance Values for Class C Surface Water June 1998 with the April 2000 Addendum. If more than one type of protection exists for a specific parameter the most stringent standard or guidance value was used.
(c) - Value applicable to phenols total chlorinated.
(d) - Value applicable to phenols total unchlorinated.

APPENDIX A

SOIL BORING AND WELL CONSTRUCTION LOGS

BORING NUMBER BC-MW-16

CLIENT NYSDEC
PROJECT NAME Borden Chemical
PROJECT NUMBER 709001
PROJECT LOCATION Bainbridge, New York
DATE STARTED 6/13/22 **COMPLETED** 6/13/22
GROUND ELEVATION 987.37 ft **HOLE SIZE** 2 in
DRILLING CONTRACTOR Parratt-Wolff
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING 4.00 ft / Elev 983.37 ft
LOGGED BY Kevin Murphy **CHECKED BY** Caitlin Serowik
AT END OF DRILLING ---
NOTES Saturation encounterd at at 4'
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0	MC	75	SW-SM		0 '- 4 ' (SW-SM) Moist, fine sand with silt.	
4.0 ▽						983.4
5	MC	100	SW		4 '- 7 ' (SW) Saturated, fine sand with unsorted gravel.	PID = 0
7.0						980.4
10	MC	100	ML		7 '- 16 ' (ML) Saturated silt with some small clay layers.	PID = 0
15	MC	100				PID = 0
16.0						971.4

Bottom of borehole at 16.0 feet.

GENERAL BH / TP / WELL - TRC_WINDSOR_STD.GDT - 11/3/22
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BORING NUMBER BC-MW-21

CLIENT NYSDEC
PROJECT NAME Borden Chemical
PROJECT NUMBER 709001
PROJECT LOCATION Bainbridge, New York
DATE STARTED 6/13/22 **COMPLETED** 6/13/22
GROUND ELEVATION 995.58 ft **HOLE SIZE** 2 in
DRILLING CONTRACTOR Parratt-Wolff
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING 3.00 ft / Elev 992.58 ft
LOGGED BY Kevin Murphy **CHECKED BY** Caitlin Serowik
AT END OF DRILLING ---
NOTES Saturation encountered at 3'
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0						
	MC	100	SW		0 '- 3 ' (SW) Moist brown medium sand with gravel.	
					3.0 ▽ 992.6	
			SW		3 '- 7 ' (SW) Saturated fine sand.	PID = 0
5	MC	75				
					7.0 988.6	
			SP		7 '- 8 ' (SP) Unsorted, saturated sand with gravel.	
					8.0 987.6	
			ML		8 '- 16 ' (ML) Saturated silt with some fine clay layers.	PID = 0
10	MC	100				
	MC	100				PID = 0
15						
					16.0 979.6	

Bottom of borehole at 16.0 feet.

GENERAL BH / TP / WELL - TRC_WINDSOR_STD.GDT - 11/3/22
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BORING NUMBER BC-MW-101

CLIENT NYSDEC
PROJECT NAME Borden Chemical
PROJECT NUMBER 709001
PROJECT LOCATION Bainbridge, New York
DATE STARTED 6/2/22 **COMPLETED** 6/8/22
GROUND ELEVATION 991.98 ft **HOLE SIZE** 2 in
DRILLING CONTRACTOR Parratt-Wolff
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING 4.00 ft / Elev 987.98 ft
LOGGED BY Caitlin Serowik **CHECKED BY** Kevin Murphy
AT END OF DRILLING ---
NOTES Saturation encountered at 4'
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0						
	MC	50	SP		0 '- 4 ' (SP) Dark brown, unsorted silty-sand with gravel. Moist.	
	GB BC-MW-101 (3')				4.0 ▽ 988.0	
5					4 '- 11 ' (SW) Saturated, brown coarse sand with gravel.	PID = 0
	MC	50	SW			
	MC	75			11.0 981.0	
					11 '- 20 ' (ML) Saturated red and dark brown silt.	PID = 0
15	MC	75	ML			
						PID = 0
	MC	100				
20					20.0 972.0	

Bottom of borehole at 20.0 feet.

GENERAL BH / TP / WELL - TRC_WINDSOR_STD.GDT - 11/3/22
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BORING NUMBER BC-MW-102

CLIENT NYSDEC
PROJECT NAME Borden Chemical
PROJECT NUMBER 709001
PROJECT LOCATION Bainbridge, New York
DATE STARTED 6/3/22 **COMPLETED** 6/3/22
GROUND ELEVATION 993.17 ft **HOLE SIZE** 2 in
DRILLING CONTRACTOR Parratt-Wolff
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
▽ **AT TIME OF DRILLING** 6.00 ft / Elev 987.17 ft
LOGGED BY Kevin Murphy **CHECKED BY** Caitlin Serowik
AT END OF DRILLING ---
NOTES Saturation observed at 6'
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0	MC	75	SW		0 '- 3 ' (SW) Moist, medium brown sand with gravel.	
					3.0 990.2	
			SW-SM		3 '- 4 ' (SW-SM) Moist, brown fine sand with silt.	
					4.0 989.2	
5	GB BC-MW-102 (5') MC	50	SW		4 '- 19 ' (SW) Saturation at 6'. Fine to medium gravel in fine sand. ▽	PID = 0
10	MC	75				PID = 0
15	MC	100				PID = 0
	MC	100				
20			ML		19 '- 20 ' (ML) Saturated, brown silt.	
					19.0 974.2	
					20.0 973.2	

Bottom of borehole at 20.0 feet.

GENERAL BH / TP / WELL - TRC_WINDSOR_STD.GDT - 11/3/22
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BORING NUMBER BC-MW-103

CLIENT NYSDEC
PROJECT NAME Borden Chemical
PROJECT NUMBER 709001
PROJECT LOCATION Bainbridge, New York
DATE STARTED 6/3/22 **COMPLETED** 6/3/22
GROUND ELEVATION 993.63 ft **HOLE SIZE** 2 in
DRILLING CONTRACTOR Parratt-Wolff
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
▽ **AT TIME OF DRILLING** 11.00 ft / Elev 982.63 ft
LOGGED BY Kevin Murphy **CHECKED BY** Caitlin Serowik
AT END OF DRILLING ---
NOTES Saturation observed at 11'
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0						
	MC	100	SW		0 '- 14 ' (SW) Moist, brown fine sand with gravel. Saturation at 11'.	
5	MC	75				
10	MC GB BC-MW-103 (10')	100			▽	PID = 14.3
	MC	100			14.0 979.6	
15			ML		14 '- 20 ' (ML) Saturated, brown silt.	PID = 7.3
	MC	100				PID = 3.2
20					20.0 973.6	

Bottom of borehole at 20.0 feet.

GENERAL BH / TP / WELL - TRC_WINDSOR_STD.GDT - 11/3/22
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WELL NUMBER BC-MW-104

CLIENT NYSDEC
PROJECT NAME Borden Chemical
PROJECT NUMBER 709001
PROJECT LOCATION Bainbridge, New York
DATE STARTED 5/31/22 **COMPLETED** 5/31/22
GROUND ELEVATION 994.04 ft **HOLE SIZE** 2 in
DRILLING CONTRACTOR Parratt-Wolff
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING 8.00 ft / Elev 986.04 ft
LOGGED BY Caitlin Serowik **CHECKED BY** Kevin Murphy
AT END OF DRILLING ---
NOTES Saturation observed at 8'
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data	WELL DIAGRAM
0	MC	50	GP		0 '- 4 ' (GP) Dark brown, fine to medium sand with some gravel and little silt.		Top of casing; 2" Sch. 40 PVC; Bentonite Seal
4.0 / 990.0							
5	MC	75	SP-SM		4 '- 12 ' (SP-SM) Dark brown, fine silty-sand with little gravel. Saturation observed at 8'.	PID = 0	
	GB BC-MW-104 (7')						
10	MC	75					Morrie #2 Silica Sand; 0.01- Slot 2" Sch. 40 PVC
12.0 / 982.0							
	MC	38	GP		12 '- 16 ' (GP) Dark brown, fine to medium sand with some gravel.	PID = 0	
15							
16.0 / 978.0							
	MC	100	GW		16 '- 18 ' (GW) Dark brown, fine sand with some gravel.	PID = 0	End Screen
18.0 / 976.0							
			CL-ML		18 '- 20 ' (CL-ML) Low plasticity silt and clay. Dark brown.		
20 / 20.0 / 974.0							

Bottom of borehole at 20.0 feet.

GENERAL BH / TP / WELL - TRC_WINDSOR_STD.GDT - 11/3/22
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BORING NUMBER BC-SB-101

CLIENT NYSDEC
PROJECT NAME Borden Chemical
PROJECT NUMBER 709001
PROJECT LOCATION Bainbridge, New York
DATE STARTED 6/8/22 **COMPLETED** 6/8/22
GROUND ELEVATION 992.06 ft **HOLE SIZE** 2 in
DRILLING CONTRACTOR Parratt-Wolff
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING 10.00 ft / Elev 982.06 ft
LOGGED BY Kevin Murphy **CHECKED BY** Caitlin Serowik
AT END OF DRILLING ---
NOTES Saturation at 10'. Odor encountered at 16'
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0	MC	100	SW		0 '- 6 ' (SW) Moist, fine sand with small to medium size gravel.	
5	MC	100			6.0 986.1	
			ML		6 '- 8 ' (ML) Moist, brown silt.	
					8.0 984.1	
10	MC	100	SP-SM		8 '- 15 ' (SP-SM) Saturated silty sand with some gravel. ▽	PID = 0
15	MC	100			15.0 977.1	
	GB BC-SB -101 (16') MC	100	CL-ML		15 '- 20 ' (CL-ML) Saturated silty clay.	PID = 0
20					20.0 972.1	

Bottom of borehole at 20.0 feet.

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BORING NUMBER BC-SB-102

CLIENT NYSDEC
PROJECT NAME Borden Chemical
PROJECT NUMBER 709001
PROJECT LOCATION Bainbridge, New York
DATE STARTED 6/9/22 **COMPLETED** 6/9/22
GROUND ELEVATION 992.95 ft **HOLE SIZE** 2 in
DRILLING CONTRACTOR Parratt-Wolff
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING 10.00 ft / Elev 982.95 ft
LOGGED BY Caitlin Serowik **CHECKED BY** Kevin Murphy
AT END OF DRILLING ---
NOTES Saturation encountered at 10'. "Chemical" odor from 15-20 feet
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0	MC	50	SW		0 '- 6 ' (SW) Dry, brown fine sand with some gravel.	
5	MC	100				
					6.0 987.0	
			SW-SM		6 '- 10 ' (SW-SM) Damp, brown fine sand and silt.	PID = 0
10	MC	75			10.0 ▽ 983.0	
			SP		10 '- 12 ' (SP) Unsorted grey/brown sand with some gravel.	
					12.0 981.0	
15	MC	75	GW		12 '- 16 ' (GW) Saturated, brown gravel with some unsorted sand.	PID = 0
					16.0 977.0	
	GB BC-SB -102 (16') / MC	50	MH		16 '- 20 ' (MH) Saturated brown and red silt.	PID = 0
20					20.0 973.0	

Bottom of borehole at 20.0 feet.

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BORING NUMBER BC-SB-103

CLIENT NYSDEC
PROJECT NAME Borden Chemical
PROJECT NUMBER 709001
PROJECT LOCATION Bainbridge, New York
DATE STARTED 6/9/22 **COMPLETED** 6/9/22
GROUND ELEVATION 992.29 ft **HOLE SIZE** 2 in
DRILLING CONTRACTOR Parratt-Wolff
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING 11.00 ft / Elev 981.29 ft
LOGGED BY Caitlin Serowik **CHECKED BY** Kevin Murphy
AT END OF DRILLING ---
NOTES Saturation encountered at 11'. "Chemical" odor from 16-20 feet
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0	MC	75	SP		0 '- 6 ' (SP) Dry, brown fine to medium sand with some gravel.	
5	MC	75			6.0 986.3	
			ML		6 '- 11 ' (ML) Damp, brown silt with some fine sand.	PID = 0
10	MC	75			11.0 ▽ 981.3	
			SW		11 '- 16 ' (SW) Saturated grey to brown saturated gravel with coarse sand..	PID = 0
15	MC	50			16.0 976.3	
	GB BC-SB-103 (16') MC	50	ML		16 '- 20 ' (ML) Saturated, brown silt.	PID = 0
20					20.0 972.3	

Bottom of borehole at 20.0 feet.

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BORING NUMBER BC-SB-104

CLIENT NYSDEC
PROJECT NAME Borden Chemical
PROJECT NUMBER 709001
PROJECT LOCATION Bainbridge, New York
DATE STARTED 6/3/22 **COMPLETED** 6/3/22
GROUND ELEVATION 992.39 ft **HOLE SIZE** 2 in
DRILLING CONTRACTOR Parratt-Wolff
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
▽ **AT TIME OF DRILLING** 10.00 ft / Elev 982.39 ft
LOGGED BY Caitlin Serowik **CHECKED BY** Kevin Murphy
AT END OF DRILLING ---
NOTES Saturation observed at 10'. Odor noted at 16'
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0						
	MC	100	SW		0 '- 6 ' (SW) Moist, fine sand with small to medium size gravel.	
5	MC	100				
			ML		6.0 986.4 6 '- 8 ' (ML) Moist, brown silt.	PID = 0
					8.0 984.4	
	MC	100	SP-SM		8 '- 15 ' (SP-SM) Saturated silty sand with some gravel. ▽	
10						
	MC	100				PID = 0
15					15.0 977.4	
	GB BC-SB -104 (16')		CL-ML		15 '- 20 ' (CL-ML) Saturated silty clay.	PID = 0
	MC	100				
20					20.0 972.4	

Bottom of borehole at 20.0 feet.

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BORING NUMBER BC-SB-105

CLIENT NYSDEC
PROJECT NAME Borden Chemical
PROJECT NUMBER 709001
PROJECT LOCATION Bainbridge, New York
DATE STARTED 6/7/22 **COMPLETED** 6/7/22
GROUND ELEVATION 992.78 ft **HOLE SIZE** 2 in
DRILLING CONTRACTOR Parratt-Wolff
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING 10.00 ft / Elev 982.78 ft
LOGGED BY Caitlin Serowik **CHECKED BY** Kevin Murphy
AT END OF DRILLING ---
NOTES Saturation observed at 10'
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0	MC	75	SP		0 '- 7 ' (SP) Dry, brown fine to medium sand with some gravel.	
5	MC	75				PID = 0
7.0					985.8	
	GB BC-SB-105 (9') MC	50	ML		7 '- 11 ' (ML) Damp, brown silt with fine sand. Saturation at 10'.	PID = 0
10					▽	
11.0					981.8	
			SP		11 '- 12 ' (SP) Sautrated, brown unsorted sand with some gravel.	
12.0					980.8	
15	MC	100	GP		12 '- 15 ' (GP) Saturated, brown to grey gravel with some coarse sand.	PID = 0
15.0					977.8	
			ML		15 '- 16 ' (ML) Saturated red and brown silt with fine sand.	
16.0					976.8	

Bottom of borehole at 16.0 feet.

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BORING NUMBER BC-SB-106

CLIENT NYSDEC
PROJECT NAME Borden Chemical
PROJECT NUMBER 709001
PROJECT LOCATION Bainbridge, New York
DATE STARTED 6/6/22 **COMPLETED** 6/6/22
GROUND ELEVATION 992.48 ft **HOLE SIZE** 2 in
DRILLING CONTRACTOR Parratt-Wolff
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
▽ **AT TIME OF DRILLING** 7.00 ft / Elev 985.48 ft
LOGGED BY Caitlin Serowik **CHECKED BY** Kevin Murphy
AT END OF DRILLING ---
NOTES Saturation encountered at 7'
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0.0					0 '- 6.5 ' (GW-GM) Damp, brown fine sand with some silt and gravel.	
2.5	MC	75	GW-GM			
5.0	MC GB BC-SB-106 (6')	100				
6.5					986.0	
7.5			ML		6.5 '- 9 ' (ML) Damp grey to brown, low-plasiticity silt. Saturation at 7'. ▽	PID = 0
9.0					983.5	
10.0	MC	75	SP		9 '- 12 ' (SP) Saturated, grey to brown gravel with unsorted sand.	PID = 0
12.0					980.5	

Bottom of borehole at 12.0 feet.

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BORING NUMBER BC-SB-107

CLIENT NYSDEC
PROJECT NAME Borden Chemical
PROJECT NUMBER 709001
PROJECT LOCATION Bainbridge, New York
DATE STARTED 6/7/22 **COMPLETED** 6/7/22
GROUND ELEVATION 992.86 ft **HOLE SIZE** 2 in
DRILLING CONTRACTOR Parratt-Wolff
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
▽ **AT TIME OF DRILLING** 6.00 ft / Elev 986.86 ft
LOGGED BY Caitlin Serowik **CHECKED BY** Kevin Murphy
AT END OF DRILLING ---
NOTES Saturation observed at 6'
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0.0					0 '- 6 ' (SP) Damp, fine to medium brown sand with gravel. Saturation at 6'.	
2.5	MC	75	SP			
5.0						PID = 0
	GB BC-SB -107 (5') MC	75			6.0 ▽ 986.9	
7.5					6 '- 12 ' (ML) Saturated, brown silt.	PID = 0
10.0	MC	25	ML			
					12.0 980.9	
					Bottom of borehole at 12.0 feet.	

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BORING NUMBER BC-SB-108

CLIENT NYSDEC
PROJECT NAME Borden Chemical
PROJECT NUMBER 709001
PROJECT LOCATION Bainbridge, New York
DATE STARTED 6/8/22 **COMPLETED** 6/8/22
GROUND ELEVATION 993.42 ft **HOLE SIZE** 2 in
DRILLING CONTRACTOR Parratt-Wolff
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
▽ **AT TIME OF DRILLING** 10.00 ft / Elev 983.42 ft
LOGGED BY Kevin Murphy **CHECKED BY** Caitlin Serowik
AT END OF DRILLING ---
NOTES Saturation observed at 10'
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0						
	MC	100	SW		0 '- 8 ' (SW) Moist brown fine sand with some small to medium gravel.	
5	MC	75				
					8.0 985.4	
	GB BC-SB -108 (9') MC	75	ML		8 '- 10 ' (ML) Moist, grey silt.	PID = 0
10					10.0 ▽ 983.4	
	MC	75	SP-SM		10 '- 17 ' (SP-SM) Saturated grey silty sand with some small to medium gravel.	PID = 0
15						
					17.0 976.4	
	MC	75	ML		17 '- 20 ' (ML) Saturated, grey silt.	PID = 0
20					20.0 973.4	

Bottom of borehole at 20.0 feet.

GENERAL BH / TP / WELL - TRC_WINDSOR_STD.GDT - 11/3/22
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BORING NUMBER BC-SB-109

CLIENT NYSDEC
PROJECT NAME Borden Chemical
PROJECT NUMBER 709001
PROJECT LOCATION Bainbridge, New York
DATE STARTED 6/7/22 **COMPLETED** 6/7/22
GROUND ELEVATION 993.6 ft **HOLE SIZE** 2 in
DRILLING CONTRACTOR Parratt-Wolff
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
▽ **AT TIME OF DRILLING** 12.00 ft / Elev 981.60 ft
LOGGED BY Caitlin Serowik **CHECKED BY** Kevin Murphy
AT END OF DRILLING ---
NOTES Saturation observed at 12'. "Chemical" odor from 16-20 feet
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0						
	MC	75	SP		0 '- 8 ' (SP) Dry, brown gravelly fine to medium sand.	
5	MC	75				
					8.0 985.6	
			ML		8 '- 10 ' (ML) Damp, brown gravelly silt.	PID = 0
10	MC GB BC-SB -109 (10')	75			10.0 983.6	
			SP		10 '- 12 ' (SP) Damp, brown fine to medium sand with gravel. Saturation at 12'.	
					12.0 ▽ 981.6	
	MC	50	SW		12 '- 17 ' (SW) Saturated, brown to grey coarse sand with some gravel.	PID = 0
15						
					17.0 976.6	
	MC	75	ML		17 '- 20 ' (ML) Red/brown saturated silt.	PID = 33
20					20.0 973.6	

Bottom of borehole at 20.0 feet.

GENERAL BH / TP / WELL - TRC_WINDSOR_STD.GDT - 11/3/22
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BORING NUMBER BC-SB-110

CLIENT NYSDEC
PROJECT NAME Borden Chemical
PROJECT NUMBER 709001
PROJECT LOCATION Bainbridge, New York
DATE STARTED 6/7/22 **COMPLETED** 6/7/22
GROUND ELEVATION 992.94 ft **HOLE SIZE** 2 in
DRILLING CONTRACTOR Parratt-Wolff
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
▽ **AT TIME OF DRILLING** 12.00 ft / Elev 980.94 ft
LOGGED BY Caitlin Serowik **CHECKED BY** Kevin Murphy
AT END OF DRILLING ---
NOTES Saturation observed at 12'. Odor from 14-20 feet. Staining at 14'
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0	MC	75	SW-SC		0 '- 7 ' (SW-SC) Dry, brown fine to medium sand with some gravel.	
5	MC	50				PID = 0
7.0					985.9	
			ML		7 '- 9 ' (ML) Moist, brown to grey silt.	
9.0					983.9	
10	MC	75	GP		9 '- 12 ' (GP) Moist, brown to grey gravel with some unsorted sand.	
12.0 ▽					980.9	
15	MC	100	GW		12 '- 15 ' (GW) Saturated, gravel with some coarse sand.	
15.0					977.9	
	GB BC-SB -110 (15')		ML		15 '- 20 ' (ML) Saturated, red to brown silt.	PID = 55.5
20	MC	88				PID = 13.5
20.0					972.9	

Bottom of borehole at 20.0 feet.

GENERAL BH / TP / WELL - TRC_WINDSOR_STD.GDT - 11/3/22
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BORING NUMBER BC-SB-111

CLIENT NYSDEC
PROJECT NAME Borden Chemical
PROJECT NUMBER 709001
PROJECT LOCATION Bainbridge, New York
DATE STARTED 6/7/22 **COMPLETED** 6/7/22
GROUND ELEVATION 993.46 ft **HOLE SIZE** 2 in
DRILLING CONTRACTOR Parratt-Wolff
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
▽ **AT TIME OF DRILLING** 8.00 ft / Elev 985.46 ft
LOGGED BY Caitlin Serowik **CHECKED BY** Kevin Murphy
AT END OF DRILLING ---
NOTES Saturation encountered at 8'. "Chemical" odor from 15-20
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0						
	MC	75	SW		0 '- 4 ' (SW) Dry, fine to medium sand with some gravel.	
4.0						989.5
	MC	75	SW-SM		4 '- 8 ' (SW-SM) Dry, fine silty sand with some gravel.	PID = 0
8.0 ▽						985.5
	MC	50	ML		8 '- 13 ' (ML) Saturated, grey to brown silt with fine sand.	
13.0						980.5
	MC	75	SW		13 '- 15 ' (SW) Saturated coarse sand and gravel.	PID = 25.5
15.0						978.5
	MC GB BC-SB-111 (18')	50	ML		15 '- 20 ' (ML) Saturated red and brown silt.	PID = 34.8
20.0						973.5

Bottom of borehole at 20.0 feet.

GENERAL BH / TP / WELL - TRC_WINDSOR_STD.GDT - 11/3/22
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BORING NUMBER BC-SB-112

CLIENT NYSDEC
PROJECT NAME Borden Chemical
PROJECT NUMBER 709001
PROJECT LOCATION Bainbridge, New York
DATE STARTED 6/6/22 **COMPLETED** 6/6/22
GROUND ELEVATION 993.17 ft **HOLE SIZE** 2 in
DRILLING CONTRACTOR Parratt-Wolff
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
▽ **AT TIME OF DRILLING** 7.00 ft / Elev 986.17 ft
LOGGED BY Caitlin Serowik **CHECKED BY** Kevin Murphy
AT END OF DRILLING ---
NOTES Saturation encountered at 7'
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0.0					0 '- 7 ' (SW) Damp, brown gravelly fine-sand.	
2.5	MC	75	SW			
5.0	MC GB BC-SB -112 (6')	75				PID = 0
7.5					7.0 ▽ 986.2 7 '- 9 ' (ML) Saturated, grey to brown silt.	
10.0	MC	50	ML SP		9.0 984.2 9 '- 12 ' (SP) Saturated, brown gravelly unsorted sand.	PID = 0
					12.0 981.2 Bottom of borehole at 12.0 feet.	

GENERAL BH / TP / WELL - TRC_WINDSOR_STD.GDT - 11/3/22
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BORING NUMBER BC-SB-113

CLIENT NYSDEC
PROJECT NAME Borden Chemical
PROJECT NUMBER 709001
PROJECT LOCATION Bainbridge, New York
DATE STARTED 6/6/22 **COMPLETED** 6/6/22
GROUND ELEVATION 992.81 ft **HOLE SIZE** 2 in
DRILLING CONTRACTOR Parratt-Wolff
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
▽ **AT TIME OF DRILLING** 7.00 ft / Elev 985.81 ft
LOGGED BY Caitlin Serowik **CHECKED BY** Kevin Murphy
AT END OF DRILLING ---
NOTES Saturation encountered at 7'. Slight chemical odor at 10'
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0.0						
	MC	25	SP		0 '- 4 ' (SP) Dry, brown unsorted sand with some gravel.	
2.5						
4.0					988.8	
	MC	75	SW-SM		4 '- 10 ' (SW-SM) Damp, brown silty fine sand with some gravel. Saturation at 7'. ▽	PID = 0
5.0						
7.5						
10.0					10.0 982.8	
	MC GB BC-SB -113 (10')	75	SW		10 '- 12 ' (SW) Saturated, brown gravelly sand.	PID = 2
12.0					980.8	
					Bottom of borehole at 12.0 feet.	

GENERAL BH / TP / WELL - TRC_WINDSOR_STD.GDT - 11/3/22
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BORING NUMBER BC-SB-114

CLIENT NYSDEC
PROJECT NAME Borden Chemical
PROJECT NUMBER 709001
PROJECT LOCATION Bainbridge, New York
DATE STARTED 6/6/22 **COMPLETED** 6/6/22
GROUND ELEVATION 992.69 ft **HOLE SIZE** 2 in
DRILLING CONTRACTOR Parratt-Wolff
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
▽ **AT TIME OF DRILLING** 7.00 ft / Elev 985.69 ft
LOGGED BY Caitlin Serowik **CHECKED BY** Kevin Murphy
AT END OF DRILLING ---
NOTES Saturation encountered at 7'
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0.0					0 '- 8 ' (SP) Damp, brown gravelly fine to medium sand. Saturation at 7.	
2.5	MC	50	SP			
5.0	MC	100				PID = 0
7.5	GB BC-SB-114 (6')				▽	
8.0						984.7
			SP-SM		8 '- 10 ' (SP-SM) Brown, saturated silty sand.	PID = 0
10.0	MC	75			10.0	982.7
			SW		10 '- 12 ' (SW) Saturated, brown gravelly coarse sand.	
					12.0	980.7
					Bottom of borehole at 12.0 feet.	

GENERAL BH / TP / WELL - TRC_WINDSOR_STD.GDT - 11/3/22
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BORING NUMBER BC-SB-115

CLIENT NYSDEC
PROJECT NAME Borden Chemical
PROJECT NUMBER 709001
PROJECT LOCATION Bainbridge, New York
DATE STARTED 5/31/22 **COMPLETED** 5/31/22
GROUND ELEVATION 994.19 ft **HOLE SIZE** 2 in
DRILLING CONTRACTOR Parratt-Wolff
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
▽ **AT TIME OF DRILLING** 10.00 ft / Elev 984.19 ft
LOGGED BY Caitlin Serowik **CHECKED BY** Kevin Murphy
AT END OF DRILLING ---
NOTES Saturation observed at 10'. Refusal at 14'
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0.0						
	MC	88	SW		0 '- 2.5 ' (SW) Dry organics and brown medium-sandy gravel.	
2.5				2.5	991.7	
			SP		2.5 '- 4 ' (SP) Damp, dark brown gravelly unsorted sand.	
				4.0	990.2	
	MC	88	GP		4 '- 8 ' (GP) Damp, unsorted brown to red sandy gravel.	PID = 0
5.0						
7.5				8.0	986.2	
	GB BC-SB -115 (9') MC	100	SW-SC		8 '- 10 ' (SW-SC) Saturated fine clayey sand with some gravel.	PID = 0
10.0				10.0 ▽	984.2	
			GP		12 '- 14 ' (GP) Saturated, unsorted gravel.	PID = 0
12.5						
	MC	50				
				14.0	980.2	

Refusal at 14.0 feet.
Bottom of borehole at 14.0 feet.

GENERAL BH / TP / WELL - TRC_WINDSOR_STD.GDT - 11/3/22
C:\USERS\CSEROWIK\ONEDRIVE - TRC\DESKTOP\BORDEN CHEMICAL BORING LOGS_REV00.GPJ

BORING NUMBER BC-SB-116

CLIENT NYSDEC
PROJECT NAME Borden Chemical
PROJECT NUMBER 709001
PROJECT LOCATION Bainbridge, New York
DATE STARTED 6/3/22 **COMPLETED** 6/3/22
GROUND ELEVATION 993.27 ft **HOLE SIZE** 2 in
DRILLING CONTRACTOR Parratt-Wolff
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
▽ **AT TIME OF DRILLING** 7.00 ft / Elev 986.27 ft
LOGGED BY Kevin Murphy **CHECKED BY** Caitlin Serowik
AT END OF DRILLING ---
NOTES Saturation observed at 7'
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0.0						
	MC	100	SW		0 '- 2 ' (SW) Moist, fine brown sand with unsorted gravel.	
2.0						991.3
			ML		2 '- 7 ' (ML) Moist silt with unsorted gravel. Brown.	PID = 0
2.5						
5.0	MC GB BC-SB-116 (6')	75				
7.0 ▽						986.3
7.5			SW		7 '- 12 ' (SW) Saturated, fine brown sand with unsorted gravel.	PID = 0
10.0	MC	100				
12.0						981.3

Bottom of borehole at 12.0 feet.

GENERAL BH / TP / WELL - TRC_WINDSOR_STD.GDT - 11/3/22
C:\USERS\CSEROWIK\ONEDRIVE - TRC\DESKTOP\BORDEN CHEMICAL BORING LOGS_REV00.GPJ

BORING NUMBER BC-SB-117

CLIENT NYSDEC
PROJECT NAME Borden Chemical
PROJECT NUMBER 709001
PROJECT LOCATION Bainbridge, New York
DATE STARTED 6/1/22 **COMPLETED** 6/1/22
GROUND ELEVATION 993.54 ft **HOLE SIZE** 2 in
DRILLING CONTRACTOR Parratt-Wolff
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
▽ **AT TIME OF DRILLING** 7.00 ft / Elev 986.54 ft
LOGGED BY Caitlin Serowik **CHECKED BY** Kevin Murphy
AT END OF DRILLING ---
NOTES Saturation observed at 7'
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0	MC	75		0 '- 4 ' Damp, dark brown fine sand with gravel.	
4.0					989.5
5	MC	50		4 '- 8 ' Saturated, dark brown sandy-silt with little gravel. ▽	PID = 0
8.0	GB BC-SB -117 (6')				985.5
10	MC	75		8 '- 12 ' Saturated, dark brown fine sand with gravel.	PID = 0
12.0					981.5
15	MC	100		12 '- 16 ' Saturated, dark brown fine sand with silt.	PID = 0
16.0					977.5
				Bottom of borehole at 16.0 feet.	

GENERAL BH / TP / WELL - TRC_WINDSOR_STD.GDT - 11/3/22
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BORING NUMBER BC-SB-118

CLIENT NYSDEC
PROJECT NAME Borden Chemical
PROJECT NUMBER 709001
PROJECT LOCATION Bainbridge, New York
DATE STARTED 5/31/22 **COMPLETED** 5/31/22
GROUND ELEVATION 993.55 ft **HOLE SIZE** 2 in
DRILLING CONTRACTOR Parratt-Wolff
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING 8.00 ft / Elev 985.55 ft
LOGGED BY Caitlin Serowik **CHECKED BY** Kevin Murphy
AT END OF DRILLING ---
NOTES Saturation encountered at 8'. "Chemical" odor from 11-16
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0	MC	75	SW		0 '- 4 ' (SW) Dry, dark brown fine sand with little gravel. Damp at 3'.	
4.0					989.6	
5	MC	50	SP		4 '- 8 ' (SP) Damp dark brown, unsorted sand with some gravel. Saturation at 8'.	PID = 0
8.0 ▽					985.6	
10	MC	100	SP		8 '- 10 ' (SP) Saturated, dark brown medium to coarse sand with some gravel.	PID = 0
10.0					983.6	
			SW		10 '- 11 ' (SW) Saturated coarse sand with some gravel. "Bleachy" type odor noted. No staining observed.	
11.0					982.6	
15	MC GB BC-SB-118 (14')	50	CL-ML		11 '- 16 ' (CL-ML) Saturated, moderately dense red to brown silty clay. "Bleachy" odor observed at 14'. No staining.	PID = 2.1
16.0					977.6	

Bottom of borehole at 16.0 feet.

GENERAL BH / TP / WELL - TRC_WINDSOR_STD.GDT - 11/3/22
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BORING NUMBER BC-SB-119

CLIENT NYSDEC
PROJECT NAME Borden Chemical
PROJECT NUMBER 709001
PROJECT LOCATION Bainbridge, New York
DATE STARTED 6/2/22 **COMPLETED** 6/2/22
GROUND ELEVATION 992.82 ft **HOLE SIZE** 2 in
DRILLING CONTRACTOR Parratt-Wolff
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING 3.00 ft / Elev 989.82 ft
LOGGED BY Caitlin Serowik **CHECKED BY** Kevin Murphy
AT END OF DRILLING ---
NOTES Saturation encountered at 3'
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0.0					0 '- 4 ' (SW) Damp, dark brown sand with some gravel. Saturation at 3'.	
2.5	MC GB BC-SB-119 (2')	50	SW			
4.0					988.8	
5.0	MC	50			4 '- 11 ' (SP) Saturated tan, medium to coarse sand with some gravel.	PID = 0
7.5			SP			
10.0	MC	100				PID = 0
11.0					981.8	
			ML		11 '- 12 ' (ML) Saturated dark brown, silt with some gravel.	
12.0					980.8	

Bottom of borehole at 12.0 feet.

GENERAL BH / TP / WELL - TRC_WINDSOR_STD.GDT - 11/3/22
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BORING NUMBER BC-SB-120

CLIENT NYSDEC
PROJECT NAME Borden Chemical
PROJECT NUMBER 709001
PROJECT LOCATION Bainbridge, New York
DATE STARTED 6/1/22 **COMPLETED** 6/1/22
GROUND ELEVATION 993.15 ft **HOLE SIZE** 2 in
DRILLING CONTRACTOR Parratt-Wolff
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
▽ **AT TIME OF DRILLING** 10.00 ft / Elev 983.15 ft
LOGGED BY Caitlin Serowik **CHECKED BY** Kevin Murphy
AT END OF DRILLING ---
NOTES Saturation observed at 10'. Staining at 7'
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0	MC	50		0 '- 7 ' Damp, brown fine sand with some silt and gravel.	
5	MC	75			PID = 0
	GB BC-SB -120 (7')			7.0 986.2 7 '- 8 ' Damp brown silt with black staining.	PID = 6.1
10	MC	50		8.0 985.2 8 '- 11 ' Saturated sandy gravel. ▽ 11.0 982.2 11 '- 12 ' Saturated, brown fine sand with silt.	
15	MC	38		12.0 981.2 12 '- 16 ' Saturated, grey to brown silt.	PID = 0
				16.0 977.2 Bottom of borehole at 16.0 feet.	

GENERAL BH / TP / WELL - TRC_WINDSOR_STD.GDT - 11/3/22
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BORING NUMBER BC-SB-121

CLIENT NYSDEC
PROJECT NAME Borden Chemical
PROJECT NUMBER 709001
PROJECT LOCATION Bainbridge, New York
DATE STARTED 6/2/22 **COMPLETED** 6/2/22
GROUND ELEVATION 992.5 ft **HOLE SIZE** 2 in
DRILLING CONTRACTOR Parratt-Wolff
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
▽ **AT TIME OF DRILLING** 6.00 ft / Elev 986.50 ft
LOGGED BY Caitlin Serowik **CHECKED BY** Kevin Murphy
AT END OF DRILLING ---
NOTES Saturation observed at 6'
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0.0						
	MC	88	SW-SM		0 '- 4 ' (SW-SM) Damp, fine silty sand with some gravel.	
2.5						
					4.0 — 988.5	
					4 '- 7 ' (GW) Saturation occured at 6'. Brown gravel with some sand..	PID = 0
5.0	GB BC-SB-121 (5') MC	50	GW		▽	
					7.0 — 985.5	
7.5			SW		7 '- 8 ' (SW) Saturated medium to coarse gravelly sand.	
					8.0 — 984.5	
	MC	100	GP		8 '- 12 ' (GP) Saturated unsorted gravel with some coarse sand.	PID = 0
10.0						
					12.0 — 980.5	
					Bottom of borehole at 12.0 feet.	

GENERAL BH / TP / WELL - TRC_WINDSOR_STD.GDT - 11/3/22
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BORING NUMBER BC-SB-122

CLIENT NYSDEC
PROJECT NAME Borden Chemical
PROJECT NUMBER 709001
PROJECT LOCATION Bainbridge, New York
DATE STARTED 6/1/22 **COMPLETED** 6/1/22
GROUND ELEVATION 993.25 ft **HOLE SIZE** 2 in
DRILLING CONTRACTOR Parratt-Wolff
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
▽ **AT TIME OF DRILLING** 7.00 ft / Elev 986.25 ft
LOGGED BY Caitlin Serowik **CHECKED BY** Kevin Murphy
AT END OF DRILLING ---
NOTES Saturation observed at 7'
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0						
	MC	75	SW		0 '- 6 ' (SW) Damp, brown fine sand with some gravel.	
5					5 '- 15 ' (GP) Saturated unsorted gravel with sand.	
	MC GB BC-SB -122 (6')	75			6.0 987.3	PID = 0
10	MC	75	GP			
	MC	100				PID = 0
15					15.0 978.3	
			ML		15 '- 16 ' (ML) Saturated, brown silt.	
					16.0 977.3	

Bottom of borehole at 16.0 feet.

GENERAL BH / TP / WELL - TRC_WINDSOR_STD.GDT - 11/3/22
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BORING NUMBER BC-SB-123

CLIENT NYSDEC
PROJECT NAME Borden Chemical
PROJECT NUMBER 709001
PROJECT LOCATION Bainbridge, New York
DATE STARTED 6/2/22 **COMPLETED** 6/2/22
GROUND ELEVATION 992.69 ft **HOLE SIZE** 2 in
DRILLING CONTRACTOR Parratt-Wolff
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
▽ **AT TIME OF DRILLING** 5.00 ft / Elev 987.69 ft
LOGGED BY Caitlin Serowik **CHECKED BY** Kevin Murphy
AT END OF DRILLING ---
NOTES Saturation observed at 5'
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0.0					0 '- 6 ' (SW) Damp, fine to medium sand with gravel.	
2.5	MC	88	SW			
5.0	GB BC-SB-123 (4')				▽	PID = 0
	MC	50			6.0 — 986.7	
7.5			GP		6 '- 8 ' (GP) Saturated brown gravel with some sand.	
					8.0 — 984.7	
10.0	MC	50	SP		8 '- 12 ' (SP) Saturated, unsorted brown sand with some gravel.	PID = 0
					12.0 — 980.7	

Bottom of borehole at 12.0 feet.

GENERAL BH / TP / WELL - TRC_WINDSOR_STD.GDT - 11/3/22
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BORING NUMBER BC-SB-124

CLIENT NYSDEC
PROJECT NAME Borden Chemical
PROJECT NUMBER 709001
PROJECT LOCATION Bainbridge, New York
DATE STARTED 6/2/22 **COMPLETED** 6/2/22
GROUND ELEVATION 992.99 ft **HOLE SIZE** 2 in
DRILLING CONTRACTOR Parratt-Wolff
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
▽ **AT TIME OF DRILLING** 5.00 ft / Elev 987.99 ft
LOGGED BY Caitlin Serowik **CHECKED BY** Kevin Murphy
AT END OF DRILLING ---
NOTES Saturation observed at 5'
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0.0						
	MC	100	SW		0 '- 3 ' (SW) Damp, brown fine sand with silt and gravel.	
2.5					3.0 990.0	
					3 '- 11 ' (SW) Saturation at 5'. Coarse sand with gravel.	PID = 0
5.0	GB BC-SB-124 (4')				▽	
	MC	50	SW			
7.5						
	MC	75				
10.0						
					11.0 982.0	
			CL-ML		11 '- 12 ' (CL-ML) Saturated, brown silty clay.	PID = 0
					12.0 981.0	
					Bottom of borehole at 12.0 feet.	

GENERAL BH / TP / WELL - TRC_WINDSOR_STD.GDT - 11/3/22
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BORING NUMBER BC-SB-125

CLIENT NYSDEC
PROJECT NAME Borden Chemical
PROJECT NUMBER 709001
PROJECT LOCATION Bainbridge, New York
DATE STARTED 6/1/22 **COMPLETED** 6/1/22
GROUND ELEVATION 993.82 ft **HOLE SIZE** 2 in
DRILLING CONTRACTOR Parratt-Wolff
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY Caitlin Serowik **CHECKED BY** Kevin Murphy
AT END OF DRILLING ---
NOTES Saturation observed at 6'
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0.0					0 '- 6 ' (SP) Damp, brown unsorted sand with gravel.	
2.5	MC	88	SP			
5.0	GB BC-SB-125 (6')					
7.5	MC	88			6.0 / 987.8 6 '- 11 ' (SP) Sasturated medium to coarse sand with gravel.	PID = 0
10.0	MC	75	SP			PID = 0
			ML		11.0 / 982.8 11 '- 12 ' (ML) Saturated silt with gravel. 12.0 / 981.8	

Bottom of borehole at 12.0 feet.

GENERAL BH / TP / WELL - TRC_WINDSOR_STD.GDT - 11/3/22
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BORING NUMBER BC-SB-126

CLIENT NYSDEC
PROJECT NAME Borden Chemical
PROJECT NUMBER 709001
PROJECT LOCATION Bainbridge, New York
DATE STARTED 6/9/22 **COMPLETED** 6/9/22
GROUND ELEVATION 1001.64 ft **HOLE SIZE** 2 in
DRILLING CONTRACTOR Parratt-Wolff
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING 8.00 ft / Elev 993.64 ft
LOGGED BY Caitlin Serowik **CHECKED BY** Kevin Murphy
AT END OF DRILLING ---
NOTES Saturation observed at 6'
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0	MC	50	SP-SM		0 '- 8 ' (SP-SM) Dry, fine silty sand with gravel. Saturation at 8'.	
5	MC	100				
					8.0 ▽ 993.6	
			GW		8 '- 10.5 ' (GW) Saturated, brown gravel with some coarse sand.	PID = 0
10	MC	100				
					10.5 991.1	
			ML		10.5 '- 12 ' (ML) Saturated, brown silt.	
					12.0 989.6	
			GP		12 '- 13 ' (GP) Saturated, brown unsorted gravel.	PID = 0
					13.0 988.6	
15	MC	100	ML		13 '- 16 ' (ML) Saturated, brown silt.	
					16.0 985.6	

Bottom of borehole at 16.0 feet.

GENERAL BH / TP / WELL - TRC_WINDSOR_STD.GDT - 11/3/22
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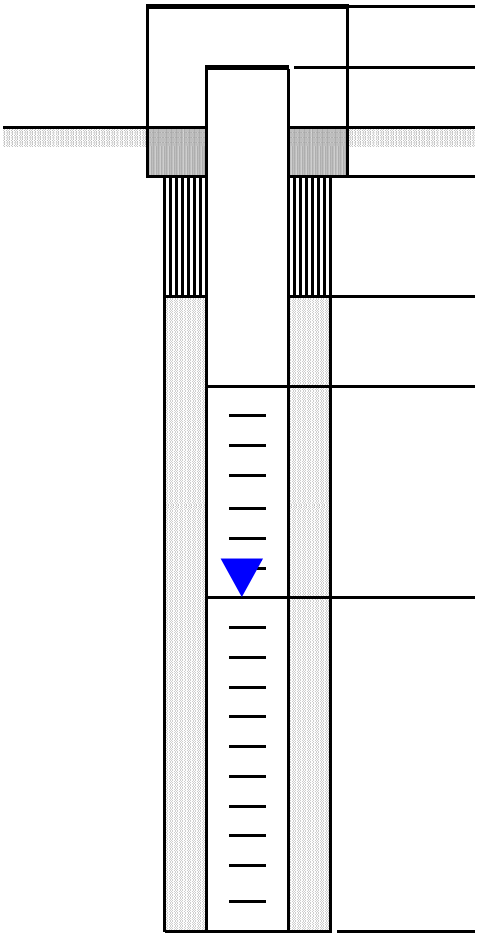
STICK-UP WELL CONSTRUCTION LOG

WELL: MW-21

SHEET 1 OF 1

PROJECT NAME:	Former Borden Chemical	WELL ID:	MW-21
LOCATION:	Bainbridge, New York	DRILLING METHOD:	Hollow Stem
INSTALLATION DATE:	6/13/22	DRILLER:	Parratt - Wolff
DEVELOPMENT DATE:	6/14/22	GAUGING DATE:	6/27/22
HEIGHT OF STICK-UP:	2.53 ft.	DEPTH TO WATER[2]:	5.88
ELEVATION[1]:	998.11		
CASING MATERIAL:	PVC	DEPTH TO PRODUCT[2]:	N/A
FILTER PACK TYPE:	Morrie 00	SCREEN MATERIAL:	0.01-Slot 2" Sch. 40 PVC
		SEAL TYPE:	Bentonite

Depth from Ground Surface (feet)	Elevation[1]	
2.76	998.11	Top
2.82	998.4	Top of Casing (TOC)
0.0	995.58	Ground Surface
1.0	994.58	Top of Bentonite Slurry/Bottom of Concrete Collar
3.00	992.58	Top of Sand Pack/ Bottom of Bentonite Slurry
5.00	990.58	Top of Well Screen
		Slot Size: .
5.88	989.70	Depth to Water
15.00	980.58	End of Well Screen
20.00	980.58	End of Boring



Not to Scale

Notes:

[1]Feet above datum

[2]Feet below top of casing

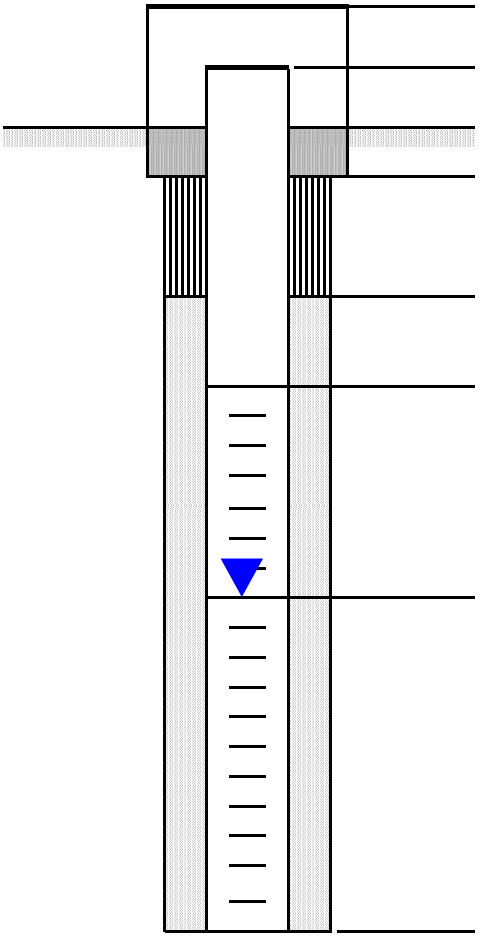
STICK-UP WELL CONSTRUCTION LOG

WELL: MW-19

SHEET 1 OF 1

PROJECT NAME:	Former Borden Chemical	WELL ID:	MW-19
LOCATION:	Bainbridge, New York	DRILLING METHOD:	Hollow Stem
INSTALLATION DATE:	6/14/22	DRILLER:	Parratt - Wolff
DEVELOPMENT DATE:	6/14/22	GAUGING DATE:	6/27/22
HEIGHT OF STICK-UP:	2.47 ft.	DEPTH TO WATER[2]:	6.00
ELEVATION[1]:	997.21		
CASING MATERIAL:	PVC	DEPTH TO PRODUCT[2]:	N/A
FILTER PACK TYPE:	Morrie 00	SCREEN MATERIAL:	0.01-Slot 2" Sch. 40 PVC
		SEAL TYPE:	Bentonite

Depth from Ground Surface (feet)	Elevation[1]	
2.76	997.50	Top
2.47	997.21	Top of Casing (TOC)
0.0	994.74	Ground Surface
6.0	988.74	Top of Bentonite Slurry/Bottom of Concrete Collar
8.00	986.74	Top of Sand Pack/ Bottom of Bentonite Slurry
10.00	984.74	Top of Well Screen
		Slot Size: .
6.00	988.74	Depth to Water
20.00	974.74	End of Well Screen
20.00	974.74	End of Boring



Not to Scale

Notes:

[1]Feet above datum

[2]Feet below top of casing

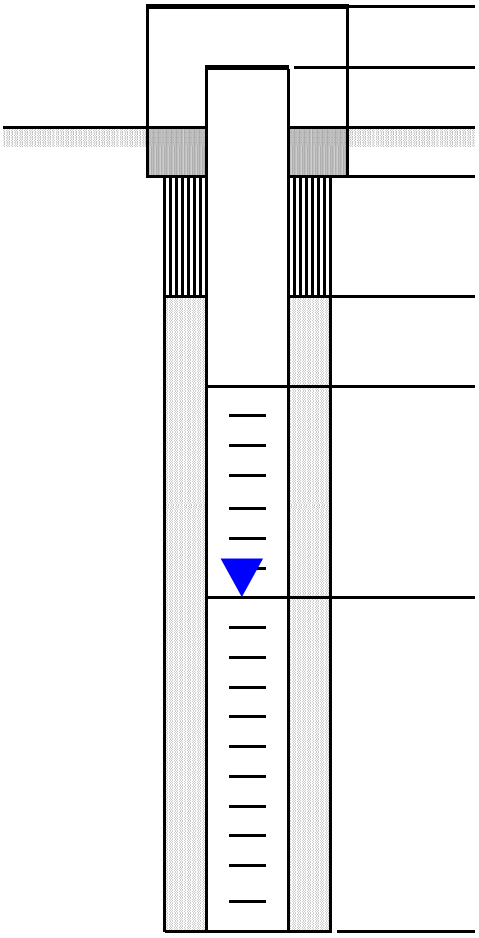
STICK-UP WELL CONSTRUCTION LOG

WELL: MW-16

SHEET 1 OF 1

PROJECT NAME:	Former Borden Chemical	WELL ID:	MW-16
LOCATION:	Bainbridge, New York	DRILLING METHOD:	Hollow Stem
INSTALLATION DATE:	6/13/22	DRILLER:	Parratt - Wolff
DEVELOPMENT DATE:	6/14/22	GAUGING DATE:	6/27/22
HEIGHT OF STICK-UP:	2.77 ft.	DEPTH TO WATER[2]:	5.08
ELEVATION[1]:	990.14		
CASING MATERIAL:	PVC	DEPTH TO PRODUCT[2]:	N/A
FILTER PACK TYPE:	Morrie 00	SCREEN MATERIAL:	0.01-Slot 2" Sch. 40 PVC
		SEAL TYPE:	Bentonite

Depth from Ground Surface (feet)	Elevation[1]	
2.98	990.35	Top
2.77	990.14	Top of Casing (TOC)
0.0	987.37	Ground Surface
0.0	987.37	Top of Bentonite Slurry/Bottom of Concrete Collar
2.00	985.37	Top of Sand Pack/ Bottom of Bentonite Slurry
4.00	983.37	Top of Well Screen
		Slot Size: .
5.08	982.29	Depth to Water
14.00	973.37	End of Well Screen
14.00	973.37	End of Boring



Not to Scale

Notes:

[1]Feet above datum

[2]Feet below top of casing

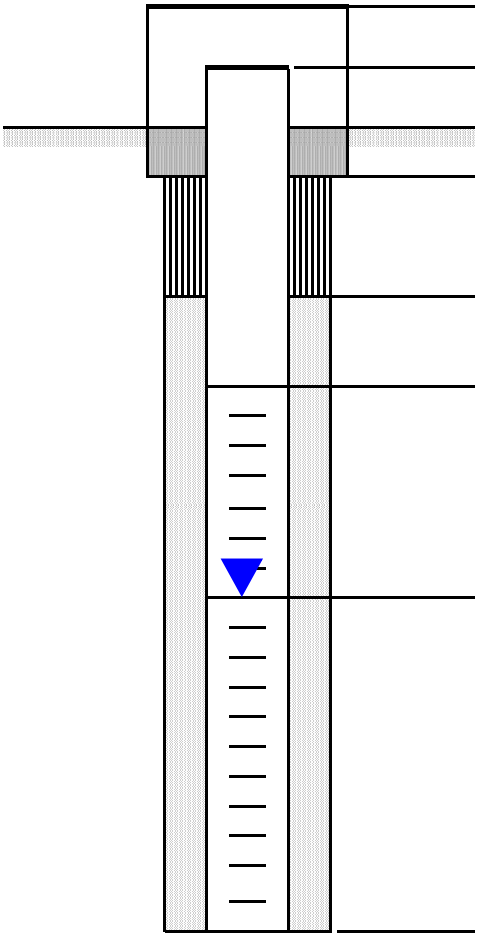
STICK-UP WELL CONSTRUCTION LOG

WELL: MW-104

SHEET 1 OF 1

PROJECT NAME:	Former Borden Chemical	WELL ID:	MW-104
LOCATION:	Bainbridge, New York	DRILLING METHOD:	Hollow Stem
INSTALLATION DATE:	6/9/22	DRILLER:	Parratt - Wolff
DEVELOPMENT DATE:	6/10/22	GAUGING DATE:	6/10/22
HEIGHT OF STICK-UP:	3.12 ft.	DEPTH TO WATER[2]:	7.40
ELEVATION[1]:	994.04		
CASING MATERIAL:	PVC	DEPTH TO PRODUCT[2]:	N/A
FILTER PACK TYPE:	Morrie 00	SCREEN MATERIAL:	0.01-Slot 2" Sch. 40 PVC
		SEAL TYPE:	Bentonite

Depth from Ground Surface (feet)	Elevation[1]	
3.12	997.16	Top
2.88	996.92	Top of Casing (TOC)
0.0	994.04	Ground Surface
2.0	992.04	Top of Bentonite Slurry/Bottom of Concrete Collar
4.00	990.04	Top of Sand Pack/ Bottom of Bentonite Slurry
6.00	988.04	Top of Well Screen
		Slot Size: .
7.40	986.64	Depth to Water
16.00	978.04	End of Well Screen
16.00	978.04	End of Boring



Not to Scale

Notes:

[1]Feet above datum

[2]Feet below top of casing

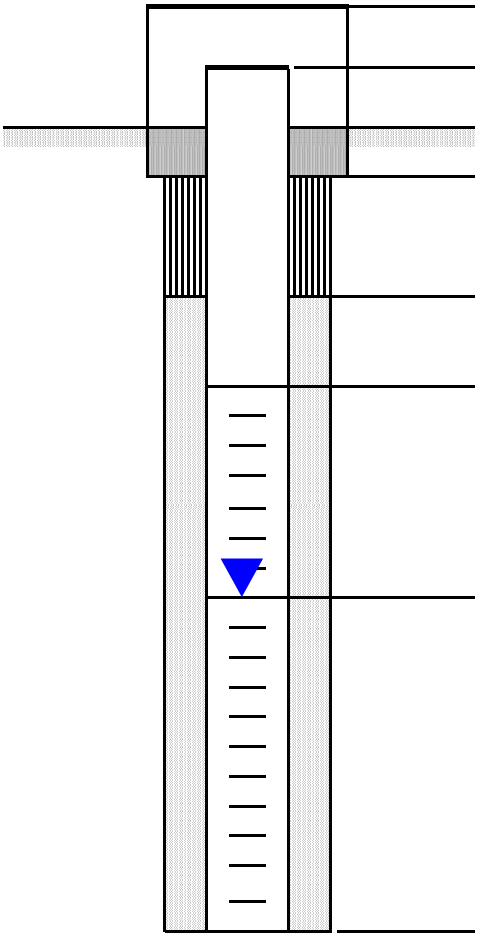
STICK-UP WELL CONSTRUCTION LOG

WELL: MW-103

SHEET 1 OF 1

PROJECT NAME:	Former Borden Chemical	WELL ID:	MW-103
LOCATION:	Bainbridge, New York	DRILLING METHOD:	Hollow Stem
INSTALLATION DATE:	6/9/22	DRILLER:	Parratt - Wolff
DEVELOPMENT DATE:	6/10/22	GAUGING DATE:	6/10/22
HEIGHT OF STICK-UP:	2.48 ft.	DEPTH TO WATER[2]:	5.60
ELEVATION[1]:	996.11		
CASING MATERIAL:	PVC	DEPTH TO PRODUCT[2]:	N/A
FILTER PACK TYPE:	Morrie 00	SCREEN MATERIAL:	0.01-Slot 2" Sch. 40 PVC
		SEAL TYPE:	Bentonite

Depth from Ground Surface (feet)	Elevation[1]	
2.75	996.38	Top
2.48	996.11	Top of Casing (TOC)
0.0	993.63	Ground Surface
5.0	988.63	Top of Bentonite Slurry/Bottom of Concrete Collar
7.00	986.63	Top of Sand Pack/ Bottom of Bentonite Slurry
9.00	984.63	Top of Well Screen
		Slot Size: .
5.60	988.03	Depth to Water
19.00	974.63	End of Well Screen
19.00	974.63	End of Boring



Not to Scale

Notes:

[1]Feet above datum

[2]Feet below top of casing

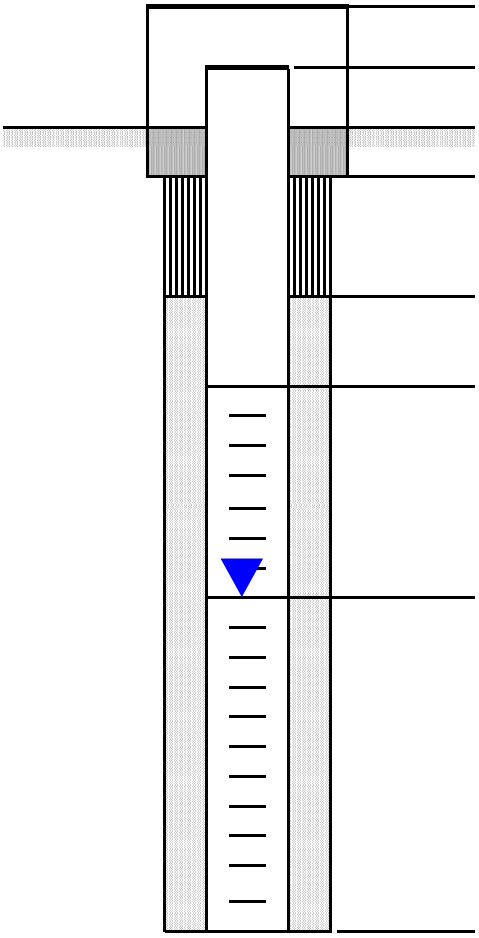
STICK-UP WELL CONSTRUCTION LOG

WELL: MW-101

SHEET 1 OF 1

PROJECT NAME:	Former Borden Chemical	WELL ID:	MW-101
LOCATION:	Bainbridge, New York	DRILLING METHOD:	Hollow Stem
INSTALLATION DATE:	6/9/22	DRILLER:	Parratt - Wolff
DEVELOPMENT DATE:	6/10/22	GAUGING DATE:	9/10/22
HEIGHT OF STICK-UP:	2.47 ft.	DEPTH TO WATER[2]:	5.54
ELEVATION[1]:	994.45		
CASING MATERIAL:	PVC	DEPTH TO PRODUCT[2]:	N/A
FILTER PACK TYPE:	Morrie 00	SCREEN MATERIAL:	0.01-Slot 2" Sch. 40 PVC
		SEAL TYPE:	Bentonite

Depth from Ground Surface (feet)	Elevation[1]	
2.72	994.71	Top
2.40	994.45	Top of Casing (TOC)
0.0	991.98	Ground Surface
0.0	991.98	Top of Bentonite Slurry/Bottom of Concrete Collar
1.00	990.98	Top of Sand Pack/ Bottom of Bentonite Slurry
3.00	988.98	Top of Well Screen
		Slot Size: .
1.05	987.93	Depth to Water
13.00	978.98	End of Well Screen
13.00	978.98	End of Boring



Not to Scale

Notes:

[1]Feet above datum

[2]Feet below top of casing

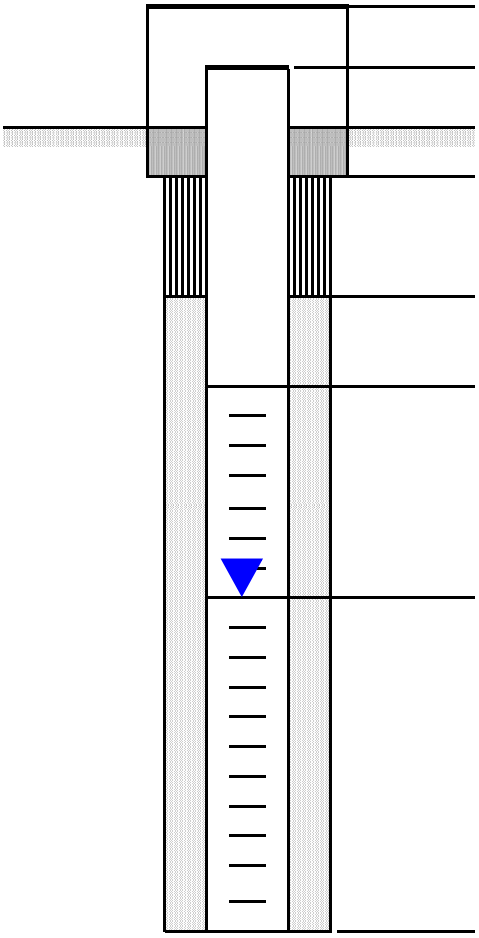
STICK-UP WELL CONSTRUCTION LOG

WELL: MW-102

SHEET 1 OF 1

PROJECT NAME:	Former Borden Chemical	WELL ID:	MW-102
LOCATION:	Bainbridge, New York	DRILLING METHOD:	Hollow Stem
INSTALLATION DATE:	6/8/22	DRILLER:	Parratt - Wolff
DEVELOPMENT DATE:	6/10/22	GAUGING DATE:	6/10/22
HEIGHT OF STICK-UP:	2.86 ft.	DEPTH TO WATER[2]:	5.76
ELEVATION[1]:	996.03		
CASING MATERIAL:	PVC	DEPTH TO PRODUCT[2]:	N/A
FILTER PACK TYPE:	Morrie 00	SCREEN MATERIAL:	0.01-Slot 2" Sch. 40 PVC
		SEAL TYPE:	Bentonite

Depth from Ground Surface (feet)	Elevation[1]	
3.18	996.35	Top
2.86	996.03	Top of Casing (TOC)
0.0	993.17	Ground Surface
0.0	993.17	Top of Bentonite Slurry/Bottom of Concrete Collar
2.00	991.17	Top of Sand Pack/ Bottom of Bentonite Slurry
4.00	989.17	Top of Well Screen
		Slot Size: .
5.76	987.41	Depth to Water
14.00	979.17	End of Well Screen
14.00	979.17	End of Boring



Not to Scale

Notes:

[1]Feet above datum

[2]Feet below top of casing

APPENDIX B

MONITORING WELL DEVELOPMENT FORMS

Monitoring Well Development Log

WELL NUMBER	WELL INFORMATION					Date: 6/10/22
MW-101	Well Diameter (inches)	Total Depth[1] (ft)	Depth to Water TOC (ft)	Depth to Product TOC (ft)	PID (ppm)	Personnel: KM + CS
PERMIT NUMBER	2	12.61	1.05	/	0	Site Name: Borden Chemical
						Site Location: Bainbridge, NY
						Job Number:

[1] Use a previously determined total depth. Confirm the total depth of well after developing.
TOC = top of casing

PURGING INFORMATION							WATER QUALITY METER CALIBRATION READINGS		
Pump Type	Tubing Type	Pump Intake Depth[2] (ft)	Purge Start Time	Purge Stop Time	Flow Rate (ml/min)	Total Purge Vol. (US Gal)	Temp:	pH:	Cond:
Bladder	3/4" HDPE	3→13	0945	1038	≈1.5 gal/min	85	D.O.:	ORP:	Turbidity:
							Rental Meter Name:		
							Rental Meter Serial No.:		

[2] Below TOC

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes

Criteria:	Flow Rate	<0.3 ft	± 3%	± 0.1 su	± 3%	± 10%	± 10 mv	± 10%[3]		
Time	(ml/min)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (mS/cm)	D.O. (mg/L)	ORP (mv)	Turbidity (NTU)	Initials	Water Conditions/Comments
0945		7.12								Start purge
0955	0.5 gal/min							N/A		Purged 5 gallons
1000	1 gal/min	7.06	12.11	7.10	0.299	5.61	-16	~~1000~~ (S)	1000	Purged 10 gal total
1005										15 total gallons
1010	0.5 gal/min	attempting to get water less turbid								20 gallons purged
		〃			〃		〃			30 gallon total
		〃			〃		〃			40 gallons purged
	2 gal/min		11.52	7.14	0.295	-37	~~55.56~~			75 gallons purged
1035			12.31	6.91	0.293	1.49	-29	1000		85 gallons purged
1038		End purge								total
TOR to ground - 2.20ft										
TOB final DTB - 12.96 - hard bottom										

Weather Conditions:

[3] For values greater than 10.

Note: Indicator parameters have stabilized when 3 consecutive readings taken every 5 min are within criteria listed above.

Final TD - 12.93

Monitoring Well Development Log

WELL NUMBER	WELL INFORMATION					Date: 6/10/22
MW-102	Well Diameter (inches)	Total Depth[1] (ft)	Depth to Water TOC (ft)	Depth to Product TOC (ft)	PID (ppm)	Personnel: KM + CS
PERMIT NUMBER						Site Name: Borden Chemical
	2	14.02	5.76	/	0	Site Location: Bainbridge, NY
						Job Number:

[1] Use a previously determined total depth. Confirm the total depth of well after developing.

TOC = top of casing

PURGING INFORMATION							WATER QUALITY METER CALIBRATION READINGS		
Pump Type	Tubing Type	Pump Intake Depth[2] (ft)	Purge Start Time	Purge Stop Time	Flow Rate (ml/min)	Total Purge Vol. (US Gal)	Temp:	pH:	Cond:
							D.O.:	ORP:	Turbidity:
Bladder	3/4" HDPE	4-14	0910	0945	~1 gal/min	35	Rental Meter Name:		
							Rental Meter Serial No.:		

[2] Below TOC

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes

	Criteria:	<0.3 ft	± 3%	± 0.1 su	± 3%	± 10%	± 10 mv	± 10%[3]		
Time	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (mS/cm)	D.O. (mg/L)	ORP (mv)	Turbidity (NTU)	Initials	Water Conditions/Comments
0910	1.5 gal/min									
0915		9.20								5 gallons purged
0920		water	still very turbid, try to clear up							15 gallons purged
0925			12.31	7.25	0.486	2.36	-56	1000		20 gallons
0930	0.6 gal/min	11.40	adjust flow rate							25 gallon purge
0935			10.51	7.00	0.458	6.23	-48	427		30 gallon total purged
0940			11.07	6.82	0.461	1.65	-41	160		
0945			End development							35 total gallons purged

Weather Conditions:

[3] For values greater than 10.

Note: Indicator parameters have stabilized when 3 consecutive readings taken every 5 min are within criteria listed above.

Final TD - 14.07

Monitoring Well Development Log

WELL NUMBER	WELL INFORMATION					Date: 6/10/22
MW-103	Well Diameter (inches)	Total Depth[1] (ft)	Depth to Water TOC (ft)	Depth to Product TOC (ft)	PID (ppm)	Personnel: KM + CS
PERMIT NUMBER	2	18.6	5.66	—	—	Site Name: Borden Chemical
						Site Location: Bainbridge, NY
						Job Number:

[1] Use a previously determined total depth. Confirm the total depth of well after developing.

TOC = top of casing

PURGING INFORMATION							WATER QUALITY METER CALIBRATION READINGS		
Pump Type	Tubing Type	Pump Intake Depth[2] (ft)	Purge Start Time	Purge Stop Time	Flow Rate (ml/min)	Total Purge Vol. (US Gal)	Temp:	pH:	Cond:
Whale	3/4" HDPE	9→19	0820	0900	2gal/min	46	D.O.:	ORP:	Turbidity:
							Rental Meter Name:		
							Rental Meter Serial No.:		

[2] Below TOC

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes

	Criteria:	<0.3 ft	± 3%	± 0.1 su	± 3%	± 10%	± 10 mv	± 10%[3]		
Time	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (mS/cm)	D.O. (mg/L)	ORP (mv)	Turbidity (NTU)	Initials	Water Conditions/Comments
0820	2gal/min	5.68	12.30	7.65	0.576	2.54	-90	956		
0840	2gal/min		11.47	7.42	0.575	2.36	-106	1000		40 gallons purged
0845	0.6 gal/min	DTB 9.94	12.32	6.79	0.559	1.53	-94	780		
0855	0.6 gal/min		11.55	6.77	0.527	2.80	-54	215		46 gallons total purged
final DTB- 18.90										
ground to depth riser- 2.65 feet										

Weather Conditions:

[3] For values greater than 10.

Note: Indicator parameters have stabilized when 3 consecutive readings taken every 5 min are within criteria listed above.

Final TD - 18.9

Monitoring Well Development Log

WELL NUMBER	WELL INFORMATION					Date: 6/10/20
MW-104	Well Diameter (inches)	Total Depth[1] (ft)	Depth to Water TOC (ft)	Depth to Product TOC (ft)	PID (ppm)	Personnel: KM. T CS.
PERMIT NUMBER	2	15.63	7.4	/		Site Name: Borden Chemical
						Site Location: Bainbridge, NY
						Job Number:

[1] Use a previously determined total depth. Confirm the total depth of well after developing.
TOC = top of casing

PURGING INFORMATION							WATER QUALITY METER CALIBRATION READINGS		
Pump Type	Tubing Type	Pump Intake Depth[2] (ft)	Purge Start Time	Purge Stop Time	Flow Rate (ml/min)	Total Purge Vol. (US Gal)	Temp:	pH:	Cond:
Bladder	3/4" HDPE	16→16	0745	1110		36	D.O.:	ORP:	Turbidity:
							Rental Meter Name:		
							Rental Meter Serial No.:		

[2] Below TOC

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes

	Criteria:	<0.3 ft	± 3%	± 0.1 su	± 3%	± 10%	± 10 mv	± 10%[3]		
Time	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (mS/cm)	D.O. (mg/L)	ORP (mv)	Turbidity (NTU)	Initials	Water Conditions/Comments
0745		10.27	11.37	6.93	0.245	2.37	-31	1000		Purged 26 gallons
0906		TOC 12.25	purged an additional 3 gallons - 5 total							and dry
1100		allowed recharge			PW = 11 - purged dry					purged dry 5 times
* purged	dry	3 times	10 gallons total							
1110		15.01	12.31	6.84	0.247	2.21	-40	527		total gallons
										purged = 36 gal
		2.87 - TOR to ground surface								

Weather Conditions:

[3] For values greater than 10.

Note: Indicator parameters have stabilized when 3 consecutive readings taken every 5 min are within criteria listed above.

Final TD - 16.02

Monitoring Well Development Log

WELL NUMBER	WELL INFORMATION					Date: 6/10/22
	Well Diameter (inches)	Total Depth[1] (ft)	Depth to Water TOC (ft)	Depth to Product TOC (ft)	PID (ppm)	Personnel: Kevin Murphy + Carl Seravik
MW-15D						Site Name: Borden Chemical
PERMIT NUMBER						Site Location: Bainbridge, NY
	2	30.95	6.28	/	0	Job Number:

[1] Use a previously determined total depth. Confirm the total depth of well after developing.

TOC = top of casing

PURGING INFORMATION							WATER QUALITY METER CALIBRATION READINGS		
Pump Type	Tubing Type	Pump Intake Depth[2] (ft)	Purge Start Time	Purge Stop Time	Flow Rate (ml/min)	Total Purge Vol. (US Gal)	Temp:	pH:	Cond:
							D.O.:	ORP:	Turbidity:
Bladder	HDPE 3/4"	20-30	1205	1245	199 ml/min	10	Rental Meter Name:		
							Rental Meter Serial No.:		

[2] Below TOC

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes

	Criteria:	<0.3 ft	± 3%	± 0.1 su	± 3%	± 10%	± 10 mv	± 10%[3]		
Time	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (mS/cm)	D.O. (mg/L)	ORP (mv)	Turbidity (NTU)	Initials	Water Conditions/Comments
1205	Begin purging									
1210		5 gallons	purged + DM							
1245	Purged dry 7 times. End development									10 gallons total purged
1245			13.42	7.73	0.349	1.07	-47	567		

Weather Conditions:

[3] For values greater than 10.

Note: Indicator parameters have stabilized when 3 consecutive readings taken every 5 min are within criteria listed above.

Monitoring Well Development Log

WELL NUMBER	WELL INFORMATION					Date: 6/10/22
RT-1	Well Diameter (inches)	Total Depth[1] (ft)	Depth to Water TOC (ft)	Depth to Product TOC (ft)	PID (ppm)	Personnel: Kevin Murphy + Cait Serwik
PERMIT NUMBER						Site Name: Border Chemical
	6	31.60	5.04	/	0	Site Location: Bainbridge, NY
						Job Number:

[1] Use a previously determined total depth. Confirm the total depth of well after developing.

TOC = top of casing

PURGING INFORMATION							WATER QUALITY METER CALIBRATION READINGS		
Pump Type	Tubing Type	Pump Intake Depth[2] (ft)	Purge Start Time	Purge Stop Time	Flow Rate (ml/min)	Total Purge Vol. (US Gal)	Temp:	pH:	Cond:
							D.O.:	ORP:	Turbidity:
Bladder	3/4" HDPE	21 → 31	1250	1315	1 gal/min	37	Rental Meter Name:		
							Rental Meter Serial No.:		

[2] Below TOC

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes

Time	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (mS/cm)	D.O. (mg/L)	ORP (mv)	Turbidity (NTU)	Initials	Water Conditions/Comments
Criteria:		<0.3 ft	± 3%	± 0.1 su	± 3%	± 10%	± 10 mv	± 10%[3]		
1250	~1 gal/min		purged 27 gallons. Pumped out some							
	black	sludge. Cleared up								
1300			14.17	8.46	0.254	2.61	36	530		
1315			14.03	7.98	0.262	1.97	29	430		
purged additional 10 gallons → 37 gallons total purged										

Weather Conditions:

[3] For values greater than 10.

Note: Indicator parameters have stabilized when 3 consecutive readings taken every 5 min are within criteria listed above.

APPENDIX C

LOW-FLOW GROUNDWATER SAMPLING LOGS

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME: Borden Chemical		LOCATION ID: MW-101	DATE: 6/28/22
PROJECT NUMBER: 441641.0000.0000		START TIME: 1440	END TIME: 1520
SAMPLE ID: BC-MW-101	SAMPLE TIME: 1520	SITE NAME/NUMBER: 709001	PAGE: 1 OF 1

WELL DIAMETER (INCHES): ☐ 1 ☒ 2 ☐ 4 ☐ 6 ☐ 8 ☐ OTHER

TUBING ID (INCHES): ☐ 1/8 ☒ 1/4 ☐ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER

MEASUREMENT POINT (MP): ☐ TOP OF RISER (TOR) ☒ TOP OF CASING (TOC) ☐ OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	✓		
CASING	✓		
LOCKED	✓		
COLLAR			✓

INITIAL DTW (BMP)	5.68 FT	FINAL DTW (BMP)	5.69 FT	PROT. CASING STICKUP (AGS)	FT	TOC/TOR DIFFERENCE	FT
WELL DEPTH (BMP)	15.74 FT	SCREEN LENGTH	10 FT	PID AMBIENT AIR	PPM	REFILL TIMER SETTING	SEC
WATER COLUMN	10.06 FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041)	0.64 GAL	PID WELL MOUTH	0 PPM	DISCHARGE TIMER SETTING	SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.65 GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	1.95 GAL	DRAWDOWN/ TOTAL PURGED		PRESSURE TO PUMP	PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1440	BEGIN PURGING									
1450	5.68	250	17.69	0.297	5.98	0.31	19.2	-80	13.74	
1500	5.69	250	17.75	0.289	5.96	0.24	13.7	-78		
1505	5.69	250	17.79	0.282	5.95	0.21	13	-77		
1510	5.69	250	17.50	0.282	5.96	0.20	14.1	-77		

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

18	0.282	6.0	0.20	14.1	-77	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: ☒ PERISTALTIC ☐ SUBMERSIBLE ☐ BLADDER ☐ _____ ☐ WATTERA ☐ OTHER _____ ☐ OTHER _____

DECON FLUIDS USED: ☒ LIQUINOX ☐ DEIONIZED WATER ☐ POTABLE WATER ☐ NITRIC ACID ☐ HEXANE ☐ METHANOL ☐ OTHER _____

TUBING/PUMP/BLADDER MATERIALS: ☒ SILICON TUBING ☐ TEFLON TUBING ☐ TEFLON LINED TUBING ☐ HDPE TUBING ☒ LDPE TUBING ☐ OTHER _____ ☐ OTHER _____

☐ S. STEEL PUMP MATERIAL ☐ PVC PUMP MATERIAL ☐ GEOPROBE SCREEN ☐ TEFLON BLADDER ☐ OTHER _____ ☐ OTHER _____ ☐ OTHER _____

EQUIPMENT USED: ☒ WL METER ☐ PID ☒ WQ METER ☐ TURB. METER ☒ PUMP ☐ OTHER _____ ☐ FILTERS NO. ___ TYPE _____

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES ☐ NO ☒
NO-PURGE METHOD UTILIZED: YES ☐ NO ☒
NUMBER OF GALLONS GENERATED: 1.95
If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

SKETCH/NOTES

Sampler Signature: Catt Smack Print Name: Caitlin Serowik

Checked By: Date: 7/7/2022

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME: Borden Chemical		LOCATION ID: MW-102	DATE: 6/28/22
PROJECT NUMBER: 411641.2000.0000		START TIME: 1325	END TIME: 1415
SAMPLE ID: BC-MW-102	SAMPLE TIME: 1415	SITE NAME/NUMBER: 709001	PAGE: 1 OF 1

WELL DIAMETER (INCHES): ☐ 1 ☒ 2 ☐ 4 ☐ 6 ☐ 8 ☐ OTHER

TUBING ID (INCHES): ☐ 1/8 ☒ 1/4 ☐ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER

MEASUREMENT POINT (MP): ☐ TOP OF RISER (TOR) ☒ TOP OF CASING (TOC) ☐ OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	✓		
CASING	✓		
LOCKED			
COLLAR			✓

INITIAL DTW (BMP)	9.66 FT	FINAL DTW (BMP)	9.92 FT	PROT. CASING STICKUP (AGS)	FT	TOC/TOR DIFFERENCE	FT
WELL DEPTH (BMP)	17.55 FT	SCREEN LENGTH	10 FT	PID AMBIENT AIR	PPM	REFILL TIMER SETTING	SEC
WATER COLUMN	7.89 FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041)	0.04 GAL	PID WELL MOUTH	0 PPM	DISCHARGE TIMER SETTING	SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.36 GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	2.34 GAL	DRAWDOWN/ TOTAL PURGED		PRESSURE TO PUMP	PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1325	BEGIN PURGING									
1335	200	9.87	10.87	0.696	6.12	0.56	6.8	-77	15.5	
1345	9.92	200	10.89	0.702	6.12	0.31	7.0	-100		
1350	9.92	200	10.45	0.681	6.11	0.27	5.2	-108		
1355	9.92	200	10.49	0.665	6.11	0.26	4.7	-111		
1400	9.92	200	10.36	0.639	6.11	0.24	6.5	-112		
1405	9.92	200	10.06	0.634	6.11	0.25	8	-113		
1410	9.92	200	9.8	0.629	6.11	0.24	8	-114		
			10 (C)							
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			10	0.629	6.1	0.2	0	-114		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: ☒ PERISTALTIC ☐ SUBMERSIBLE ☐ BLADDER ☐ _____ ☐ WATTERA ☐ OTHER _____ ☐ OTHER _____

DECON FLUIDS USED: ☒ LIQUINOX ☒ DEIONIZED WATER ☐ POTABLE WATER ☐ NITRIC ACID ☐ HEXANE ☐ METHANOL ☐ OTHER _____

TUBING/PUMP/BLADDER MATERIALS: ☒ SILICON TUBING ☐ TEFLON TUBING ☐ TEFLON LINED TUBING ☐ HDPE TUBING ☒ LDPE TUBING ☐ OTHER _____ ☐ OTHER _____

☐ S. STEEL PUMP MATERIAL ☐ PVC PUMP MATERIAL ☐ GEOPROBE SCREEN ☐ TEFLON BLADDER ☐ OTHER _____ ☐ OTHER _____ ☐ OTHER _____

EQUIPMENT USED: ☒ WL METER ☐ PID ☐ WQ METER ☐ TURB. METER ☒ PUMP ☐ OTHER _____ ☐ FILTERS NO. ___ TYPE _____

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES ☐ NO ☒

NO-PURGE METHOD UTILIZED: YES ☐ NO ☒

NUMBER OF GALLONS GENERATED: 2.34

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

SKETCH/NOTES

Sample VOCs + SVOCs

Sampler Signature: [signature] Print Name: Caitlin Scrawl

Checked By: Date: 7/7/2022

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME: Border Chemical
PROJECT NUMBER: 441641.0000.0000
SAMPLE ID: BC-MW-103
SAMPLE TIME: 1300

LOCATION ID: MW-103
DATE: 6/28/22
START TIME: 1210
END TIME: 1300
SITE NAME/NUMBER: 709001
PAGE: 1 OF 1

WELL DIAMETER (INCHES): ☐ 1 ☒ 2 ☐ 4 ☐ 6 ☐ 8 ☐ OTHER
TUBING ID (INCHES): ☐ 1/8 ☒ 1/4 ☐ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER
MEASUREMENT POINT (MP): ☐ TOP OF RISER (TOR) ☒ TOP OF CASING (TOC) ☐ OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	✓		
CASING	✓		
LOCKED	✓		
COLLAR			✓

INITIAL DTW (BMP)	9.48 FT	FINAL DTW (BMP)	9.58 FT	PROT. CASING STICKUP (AGS)	FT	TOC/TOR DIFFERENCE	FT
WELL DEPTH (BMP)	21.83 FT	SCREEN LENGTH	10 FT	PID AMBIENT AIR	PPM	REFILL TIMER SETTING	SEC
WATER COLUMN	12.35 FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041)	0.02 GAL	PID WELL MOUTH	10.1 PPM	DISCHARGE TIMER SETTING	SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	2.02 GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	2.6 GAL	DRAWDOWN/ TOTAL PURGED		PRESSURE TO PUMP	PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (-/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1210	BEGIN PURGING									
1220	9.56	250	12.65	1.12	6.62	0.62	13.7	-152	20	
1230	9.58	250	13.83	0.933	6.54	0.27	13.2	-155		
1235	9.58	250	14.25	0.711	6.35	0.26	5.6	-143		
1240	9.58	250	14.45	0.638	6.22	0.25	2.3	-133		
1245	9.58	250	14.81	0.582	6.16	0.24	0	-130		
1250	9.58	250	15.08	0.566	6.14	0.22	0	-128		
1255	9.58	250	15.15	0.589	6.13	0.20	0	-128		

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

	15	0.598	6.1	0.2	0	-128

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: ☐ PERISTALTIC ☐ SUBMERSIBLE ☐ BLADDER ☐ WATTERA ☐ OTHER ☐ OTHER

DECON FLUIDS USED: ☐ LIQUINOX ☐ DEIONIZED WATER ☐ POTABLE WATER ☐ NITRIC ACID ☐ HEXANE ☐ METHANOL ☐ OTHER

TUBING/PUMP/BLADDER MATERIALS: ☐ SILICON TUBING ☐ TEFLON TUBING ☐ TEFLON LINED TUBING ☐ HDPE TUBING ☐ LDPE TUBING ☐ OTHER ☐ OTHER

☐ S. STEEL PUMP MATERIAL ☐ PVC PUMP MATERIAL ☐ GEOPROBE SCREEN ☐ TEFLON BLADDER ☐ OTHER ☐ OTHER ☐ OTHER

EQUIPMENT USED: ☐ WL METER ☐ PID ☐ WQ METER ☐ TURB. METER ☐ PUMP ☐ OTHER ☐ FILTERS NO. ___ TYPE ___

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES ☐ NO ☒
NO-PURGE METHOD UTILIZED: YES ☐ NO ☒
NUMBER OF GALLONS GENERATED: 2.6
If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

SKETCH/NOTES

Sampler Signature: Caitlin Scrawk Print Name: Caitlin Scrawk
6/28/2022

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	Borden Chemical
PROJECT NUMBER	441641.0000.0000
SAMPLE ID	BC-MW-104
SAMPLE TIME	145

LOCATION ID	MW-104
DATE	6/28/22
START TIME	1:15
END TIME	1:45
SITE NAME/NUMBER	709081
PAGE	1 OF 1

WELL DIAMETER (INCHES): ☐ 1 ☑ 2 ☐ 4 ☐ 6 ☐ 8 ☐ OTHER

TUBING ID (INCHES): ☐ 1/8 ☑ 1/4 ☐ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER

MEASUREMENT POINT (MP): ☐ TOP OF RISER (TOR) ☑ TOP OF CASING (TOC) ☐ OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	✓		
CASING	✓		
LOCKED	✓	KE	
COLLAR	✓		KE

INITIAL DTW (BMP)	6.08 FT	FINAL DTW (BMP)	~~8~~9.32 FT	PROT. CASING STICKUP (AGS)	3 FT	TOC/TOR DIFFERENCE	FT
WELL DEPTH (BMP)	18.65 FT	SCREEN LENGTH	FT	PID AMBIENT AIR	0.0 PPM	REFILL TIMER SETTING	SEC
WATER COLUMN	FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041)	KE ~~0.41~~ 0.53 GAL	PID WELL MOUTH	0.0 PPM	DISCHARGE TIMER SETTING	SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	1.09 GAL	DRAWDOWN/ TOTAL PURGED	<	PRESSURE TO PUMP	PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1:15	BEGIN PURGING									
1:20	7.45	275	14.23	2.29	6.82	3.02	45.3	-50	16.6	
1:25	8.21	200	14.31	2.29	6.84	0.75	46.0	-46	↓	
1:30	8.65	120	14.92	2.28	6.85	0.60	45.4	-45		
1:35	8.65	120	15.41	2.28	6.84	0.55	44.7	-45		
1:40	8.60	120	15.4	2.27	6.84	0.50	44.9	-44		

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

	15.45	2.26	6.84	0.48	44.5	-44

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- ☑ PERISTALTIC
- ☐ SUBMERSIBLE
- ☐ BLADDER
- ☐ WATTERA
- ☐ OTHER
- ☐ OTHER

DECON FLUIDS USED
- ☑ LIQUINOX
- ☐ DEIONIZED WATER
- ☐ POTABLE WATER
- ☐ NITRIC ACID
- ☐ HEXANE
- ☐ METHANOL
- ☐ OTHER

TUBING/PUMP/BLADDER MATERIALS
- ☑ SILICON TUBING
- ☐ TEFLON TUBING
- ☐ TEFLON LINED TUBING
- ☐ HDPE TUBING
- ☑ LDPE TUBING
- ☐ OTHER
- ☐ OTHER
- ☐ S. STEEL PUMP MATERIAL
- ☐ PVC PUMP MATERIAL
- ☐ GEOPROBE SCREEN
- ☐ TEFLON BLADDER
- ☐ OTHER
- ☐ OTHER
- ☐ OTHER

EQUIPMENT USED
- ☑ WL METER G46071
- ☑ PID Mini-rae
- ☑ WQ METER 21062
- ☐ TURB. METER
- ☑ PUMP 18212
- ☐ OTHER
- ☐ FILTERS NO. ___ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES ☐ NO ☑

NO-PURGE METHOD UTILIZED: YES ☐ NO ☑

NUMBER OF GALLONS GENERATED: 2.5

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

SKETCH/NOTES

Sampler Signature: [signature] Print Name: Kevin Ecker

Checked By: Date: 6/28/22

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME: Bordon Chemical	LOCATION ID: MW-15
PROJECT NUMBER: 441641-0000.0000	DATE: 6/27/22
SAMPLE ID: BC-MW-15	START TIME: 1403
SAMPLE TIME: 1455	END TIME: 1455
SITE NAME/NUMBER: 709001	PAGE: 1 OF 1

WELL DIAMETER (INCHES): ☐ 1 ☒ 2 ☐ 4 ☐ 6 ☐ 8 ☐ OTHER

TUBING ID (INCHES): ☒ 1/8 ☐ 1/4 ☐ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER

MEASUREMENT POINT (MP): ☐ TOP OF RISER (TOR) ☒ TOP OF CASING (TOC) ☐ OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED		X	
COLLAR			X

INITIAL DTW (BMP)	11.59 FT	FINAL DTW (BMP)	12.9 FT	PROT. CASING STICKUP (AGS)	3 FT	TOC/TOR DIFFERENCE	— FT
WELL DEPTH (BMP)	16.52 FT	SCREEN LENGTH	FT	PID AMBIENT AIR	0.0 PPM	REFILL TIMER SETTING	— SEC
WATER COLUMN	4.93 FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041)	0.043 GAL	PID WELL MOUTH	2.2 PPM	DISCHARGE TIMER SETTING	— SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	0.809 GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	2.444 GAL	DRAWDOWN/ TOTAL PURGED	<	PRESSURE TO PUMP	— PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
2:03	BEGIN PURGING									Pink tint with odor
K.E 2:10	12.76	200	11.22	1.38	7.62	1.73	92.4	-156	15.52	
2:15	12.79	200	11.16	1.09	7.18	1.23	78.7	-137	15.52	
2:20	12.83	200	10.80	0.846	6.93	0.90	25.8	-132	15.52	
2:25	12.88	200	10.67	0.777	6.86	0.80	11.4	-134	15.52	
2:30	12.94	200	10.37	0.911	6.83	0.98	16.2	-138	15.52	
2:35	12.96	200	10.29	0.909	6.86	0.89	16.4	-136	15.52	
2:40	12.98	200	10.18	0.780	6.83	0.96	7.4	-128	15.52	
2:45	13.00	200	10.18	0.759	6.81	1.02	8.2	-126	15.52	
2:50	13.02	200	9.97	0.769	6.78	1.04	9.1	-122	15.52	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

~~9.97~~ 10	0.769	6.8	1.0	9.1	-122	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- ☒ PERISTALTIC
- ☐ SUBMERSIBLE
- ☐ BLADDER
- ☐ WATTERA
- ☐ OTHER
- ☐ OTHER

DECON FLUIDS USED
- ☒ LIQUINOX
- ☐ DEIONIZED WATER
- ☐ POTABLE WATER
- ☐ NITRIC ACID
- ☐ HEXANE
- ☐ METHANOL
- ☐ OTHER

TUBING/PUMP/BLADDER MATERIALS
- ☒ SILICON TUBING
- ☐ TEFLON TUBING
- ☐ TEFLON LINED TUBING
- ☐ HDPE TUBING
- ☒ LDPE TUBING
- ☐ OTHER
- ☐ OTHER

- ☐ S. STEEL PUMP MATERIAL
- ☐ PVC PUMP MATERIAL
- ☐ GEOPROBE SCREEN
- ☐ TEFLON BLADDER
- ☐ OTHER
- ☐ OTHER
- ☐ OTHER

EQUIPMENT USED
- ☒ WL METER G45-G71
- ☒ PID Mini-ray
- ☒ WQ METER 21062
- ☐ TURB. METER
- ☒ PUMP 18212
- ☐ OTHER
- ☐ FILTERS NO. ___ TYPE

ANALYTICAL PARAMETERS

X	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
	See Chain of Custody							
X	VOC's	8260	N	HCL	2-40mL	Y	N	
X	SVOC's	8270	N	None	2-1L	Y	N	
X	Phenol	528	N	H_2SO_4	500mL	Y	N	

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES ☐ NO ☒

NO-PURGE METHOD UTILIZED: YES ☐ NO ☒

NUMBER OF GALLONS GENERATED: 2.5

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

SKETCH/NOTES

Sampler Signature: Kevin Etter Print Name: Kevin Etter

Checked By: KS Date: 06/27/22

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME: Border Chemical	LOCATION ID: MW-15D
PROJECT NUMBER: 441641.0000.0000	DATE: 6/27/22
SAMPLE ID: BC-MW-15D	SAMPLE TIME: 1515
	START TIME: 1425
	END TIME: 1575
SITE NAME/NUMBER: 709001	PAGE: 1 OF 1

WELL DIAMETER (INCHES): [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES): [X] 1/8 [ ] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP): [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED		X	
COLLAR			X

INITIAL DTW (BMP)	9.10 FT	FINAL DTW (BMP)	11.37 FT	PROT. CASING STICKUP (AGS)	3 FT	TOC/TOR DIFFERENCE	— FT
WELL DEPTH (BMP)	31.68 FT	SCREEN LENGTH	FT	PID AMBIENT AIR	0.0 PPM	REFILL TIMER SETTING	— SEC
WATER COLUMN	22.58 FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041)	0.37 GAL	PID WELL MOUTH	0.6 PPM	DISCHARGE TIMER SETTING	— SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	3.7 GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	2.34 GAL	DRAWDOWN/ TOTAL PURGED	<	PRESSURE TO PUMP	— PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1425	BEGIN PURGING									
1430	11.31	200	25.35	0.196	8.27	0.16	586	84	25	
1435	11.32	200	21.71	0.154	8.17	0.00	529	79	25	
1440	11.34	200	20.56	0.156	8.13	0.00	466	78	25	
1445	11.36	200	19.20	0.161	8.07	0.00	501	74	25	
1450	11.36	200	19.09	0.162	8.13	0.00	520	70	25	
1455	11.36	200	18.63	0.162	8.15	0.11	511	64	25	
1500	11.37	200	18.11	0.163	8.17	0.09	507	60	25	
1505	11.37	200	18.	0.166	8.12	0.00	497	60	25	
1510	11.37	200	18.02	0.170	8.09	0.00	484	61	25	
1515	- Stable, disconnect from YSI, collect sample									

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

18	0.170	8.1	0.0	484	61	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [X] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [X] LIQUINOX
- [ ] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [X] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [X] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER Solinst IF 034015
- [X] PID MiniRae
- [X] WQ METER Horiba 25336
- [ ] TURB. METER
- [X] PUMP geopump R19242
- [ ] OTHER
- [ ] FILTERS NO. ___ TYPE ___

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							
X	VOCs	8260	N	HCl	2-40ml	Y	N	
X	SVOCs	8270	N	None	2-1L	Y	N	

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [ ] NO [X]

NO-PURGE METHOD UTILIZED: YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 2gal

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

Sampler Signature: [signature] Print Name: Kevin Murphy

Checked By: Date: 6/27/22

SKETCH/NOTES

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME: Borden Chemical		LOCATION ID: MW-16	DATE: 6/30/22
PROJECT NUMBER:		START TIME: 1025	END TIME: 1125
SAMPLE ID: BC-MW-16	SAMPLE TIME: 1125	SITE NAME/NUMBER: 709061	PAGE: 1 OF 1

WELL DIAMETER (INCHES): ☐ 1 ☒ 2 ☐ 4 ☐ 6 ☐ 8 ☐ OTHER

TUBING ID (INCHES): ☐ 1/8 ☒ 1/4 ☐ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER

MEASUREMENT POINT (MP): ☐ TOP OF RISER (TOR) ☒ TOP OF CASING (TOC) ☐ OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	✓		
CASING	✓		
LOCKED	✓		
COLLAR			✓

INITIAL DTW (BMP)	5.63 FT	FINAL DTW (BMP)	5.73 FT	PROT. CASING STICKUP (AGS)	FT	TOC/TOR DIFFERENCE	FT
WELL DEPTH (BMP)	17.22 FT	SCREEN LENGTH	10 FT	PID AMBIENT AIR	PPM	REFILL TIMER SETTING	SEC
WATER COLUMN	11.59 FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041)	0.02 GAL	PID WELL MOUTH	0 PPM	DISCHARGE TIMER SETTING	SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.9 GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	3.575 GAL	DRAWDOWN/ TOTAL PURGED		PRESSURE TO PUMP	PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1025	BEGIN PURGING									
1035	5.69	250	15.95	0.179	6.98	0.69	76.0	-12	15	
1045	5.70		15.09	0.171	7.16	0.34	13.4	-82		
1050	5.71		15.53	0.168	7.07	0.42	76.6	-76		
1055	5.71		16.00	0.159	6.74	0.43	44.6	-45		
1100	5.70		16.34	0.147	6.44	0.37	20.7	-19		
1105	5.71		16.67	0.136	6.12	0.39	14.3	7		
1110	5.73		16.94	0.130	5.97	0.31	9.6	22		
1115	5.72		17.24	0.126	5.89	0.30	7.0	31		
1120	5.73		17.58	0.128	5.90	0.29	6.8	29		

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

	18	0.128	5.90	0.29	6.8	29

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: ☒ PERISTALTIC ☐ SUBMERSIBLE ☐ BLADDER ☐ _____ ☐ WATTERA ☐ OTHER _____ ☐ OTHER _____

DECON FLUIDS USED: ☒ LIQUINOX ☐ DEIONIZED WATER ☐ POTABLE WATER ☐ NITRIC ACID ☐ HEXANE ☐ METHANOL ☐ OTHER _____

TUBING/PUMP/BLADDER MATERIALS: ☒ SILICON TUBING ☐ TEFLON TUBING ☐ TEFLON LINED TUBING ☐ HDPE TUBING ☒ LDPE TUBING ☐ OTHER _____ ☐ OTHER _____

☐ S. STEEL PUMP MATERIAL ☐ PVC PUMP MATERIAL ☐ GEOPROBE SCREEN ☐ TEFLON BLADDER ☐ OTHER _____ ☐ OTHER _____ ☐ OTHER _____

EQUIPMENT USED: ☒ WL METER _____ ☐ PID _____ ☒ WQ METER _____ ☐ TURB. METER _____ ☒ PUMP _____ ☐ OTHER _____ ☐ FILTERS NO. ____ TYPE _____

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
☒	See chain							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES ☐ NO ☒

NO-PURGE METHOD UTILIZED: YES ☐ NO ☒

NUMBER OF GALLONS GENERATED: 3.58

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: Caitlin Scrowe Print Name: Caitlin Scrowe

Checked By: Date: 7/7/2022

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME: Borden Chemical	LOCATION ID: MW-17
PROJECT NUMBER: 441641.0000.0000	DATE: 6/30/22
SAMPLE ID: BG-MW-17	START TIME: 1200
SAMPLE TIME: 1335	END TIME: 1335
SITE NAME/NUMBER: 709001	PAGE: 2 OF 2

WELL DIAMETER (INCHES): ☐ 1 ☒ 2 ☐ 4 ☐ 6 ☐ 8 ☐ OTHER

TUBING ID (INCHES): ☐ 1/8 ☒ 1/4 ☐ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER

MEASUREMENT POINT (MP): ☐ TOP OF RISER (TOR) ☒ TOP OF CASING (TOC) ☐ OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	✓		
CASING	✓		
LOCKED	✓		
COLLAR			✓

INITIAL DTW (BMP)	7.53 FT	FINAL DTW (BMP)	14.16 FT	PROT. CASING STICKUP (AGS)	FT
WELL DEPTH (BMP)	16.07 FT	SCREEN LENGTH	unkn FT	PID AMBIENT AIR	PPM
WATER COLUMN	2.51 FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041)	0.1 GAL	PID WELL MOUTH	0 PPM
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	0.41 GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	1.3 GAL	DRAWDOWN/ TOTAL PURGED	

TOC/TOR DIFFERENCE	FT
REFILL TIMER SETTING	SEC
DISCHARGE TIMER SETTING	SEC
PRESSURE TO PUMP	PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1200	BEGIN PURGING									
1210	300→	11.54	11.32	0.457	7.01	0.68	18.0	65	18	slow purge to 200
1220	12.87	200	11.31	0.370	6.95	0.88	79.9	86	18	
1225	13.09	200	11.51	0.445	6.83	0.91	168	20		
1230	13.26	200				0.87	1000			water very turbid, unplug horiba
1235	13.31	200								" "
1240	13.31	200								" "
1245	13.31	200								" "
1250	13.31	200	11.87	0.493	7.08	1.19	1000	37		" "
1250	13.50	200	11.69	0.513	7.05	1.12	1000	34		
1255	13.55	200	11.43	0.533	6.96	0.57	1000	14		
1300	13.59	200								unplug horiba again very turbid

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

10	0.538	7.0	0.5	314	5	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED
✓ PERISTALTIC	✓ LIQUINOX	✓ SILICON TUBING	☐ S. STEEL PUMP MATERIAL	✓ WL METER
☐ SUBMERSIBLE	☐ DEIONIZED WATER	☐ TEFLON TUBING	☐ PVC PUMP MATERIAL	✓ PID
☐ BLADDER	☐ POTABLE WATER	☐ TEFLON LINED TUBING	☐ GEOPROBE SCREEN	✓ WQ METER
☐ WATTERA	☐ NITRIC ACID	☐ HDPE TUBING	☐ TEFLON BLADDER	☐ TURB. METER
☐ OTHER	☐ HEXANE	✓ LDPE TUBING	☐ OTHER	✓ PUMP
☐ OTHER	☐ METHANOL	☐ OTHER	☐ OTHER	☐ OTHER
	☐ OTHER	☐ OTHER	☐ OTHER	☐ FILTERS NO. ___ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: ☐ YES ☒ NO

NO-PURGE METHOD UTILIZED: ☐ YES ☒ NO

NUMBER OF GALLONS GENERATED: 1.3

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

SKETCH/NOTES

Sampler Signature: [signature] Print Name: Caitlin Serowik

Checked By:

Date: 7/7/2022

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME: Borden Chemical	LOCATION ID: MW-17
PROJECT NUMBER: 441641.0000.0000	DATE: 6/30/22
SAMPLE ID: BC-MW-17(cont)	SAMPLE TIME: 1335
START TIME: ~~1305~~ 1200	END TIME: 1335
SITE NAME/NUMBER: 709001	PAGE: 1 OF 2

WELL DIAMETER (INCHES): ☐ 1 ☑ 2 ☐ 4 ☐ 6 ☐ 8 ☐ OTHER

TUBING ID (INCHES): ☐ 1/8 ☑ 1/4 ☐ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER

MEASUREMENT POINT (MP): ☐ TOP OF RISER (TOR) ☑ TOP OF CASING (TOC) ☐ OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	✓		
CASING	✓		
LOCKED			
COLLAR			✓

INITIAL DTW (BMP)	13.58 FT	FINAL DTW (BMP)	14.16 FT	PROT. CASING STICKUP (AGS)	FT	TOC/TOR DIFFERENCE	FT
WELL DEPTH (BMP)	16.09 FT	SCREEN LENGTH	unknown FT	PID AMBIENT AIR	PPM	REFILL TIMER SETTING	SEC
WATER COLUMN	2.51 FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041)	0.1 GAL	PID WELL MOUTH	0 PPM	DISCHARGE TIMER SETTING	SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	0.41 GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	1.3 GAL	DRAWDOWN/ TOTAL PURGED		PRESSURE TO PUMP	PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
	BEGIN PURGING									
1305	13.60	200							18	water turbid, unplug hor. ba
1310	13.63	200								" " "
1315	13.79	200								" " "
1320	13.97	200	10.76	0.539	7.02	0.49	299	-1		
1325	14.06	200	11.78	0.532	6.99	0.47	320	3		
1330	14.16	200	10.46	0.538	6.98	0.49	314	5		

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

	10	0.538	7.0	0.5	314	5

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: ☑ PERISTALTIC ☐ SUBMERSIBLE ☐ BLADDER ☐ WATTERA ☐ OTHER ☐ OTHER

DECON FLUIDS USED: ☑ LIQUINOX ☐ DEIONIZED WATER ☐ POTABLE WATER ☐ NITRIC ACID ☐ HEXANE ☐ METHANOL ☐ OTHER

TUBING/PUMP/BLADDER MATERIALS: ☑ SILICON TUBING ☐ TEFLON TUBING ☐ TEFLON LINED TUBING ☐ HDPE TUBING ☑ LDPE TUBING ☐ OTHER ☐ OTHER; ☐ S. STEEL PUMP MATERIAL ☐ PVC PUMP MATERIAL ☐ GEOPROBE SCREEN ☐ TEFLON BLADDER ☐ OTHER ☐ OTHER ☐ OTHER

EQUIPMENT USED: ☑ WL METER ☑ PID ☑ WQ METER ☑ TURB. METER ☑ PUMP ☐ OTHER ☐ FILTERS NO. ___ TYPE ___

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES ☐ NO ☑

NO-PURGE METHOD UTILIZED: YES ☐ NO ☑

NUMBER OF GALLONS GENERATED: 1.3

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

SKETCH/NOTES

Sampler Signature: Caitlin Scrank Print Name: Caitlin Scrank

Checked By: Date: 7/7/22

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME: Borden Chemical	LOCATION ID: MW-19
PROJECT NUMBER: 441641.0000.0000	START TIME: 1525
SAMPLE ID: BC-MW-19	SAMPLE TIME: 1605
SITE NAME/NUMBER: BC 709001	END TIME: 1605
	DATE: 6/30/22
	PAGE: 1 OF 1

WELL DIAMETER (INCHES): ☐ 1 ☒ 2 ☐ 4 ☐ 6 ☐ 8 ☐ OTHER

TUBING ID (INCHES): ☐ 1/8 ☒ 1/4 ☐ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER

MEASUREMENT POINT (MP): ☐ TOP OF RISER (TOR) ☒ TOP OF CASING (TOC) ☐ OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	✓		
CASING	✓		
LOCKED	✓		
COLLAR			✓

INITIAL DTW (BMP)	8.98 FT	FINAL DTW (BMP)	11.95 FT	PROT. CASING STICKUP (AGS)	FT	TOC/TOR DIFFERENCE	FT
WELL DEPTH (BMP)	15.05 FT	SCREEN LENGTH	10 FT	PID AMBIENT AIR	PPM	REFILL TIMER SETTING	SEC
WATER COLUMN	6.07 FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041)	1.95 GAL	PID WELL MOUTH	0 PPM	DISCHARGE TIMER SETTING	SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.0 GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	1.82 GAL	DRAWDOWN/ TOTAL PURGED	<	PRESSURE TO PUMP	PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1525	BEGIN PURGING									
1535	11.37	200	18.58	0.330	6.57	0.87	2.6	51	13.05	
1545	11.43	↓	18.06	0.337	6.28	0.40	0.0	-31	13.05	
1550	11.55		17.76	0.346	6.21	0.40	0.0	-42	13.05	
1555	11.89		17.38	0.343	6.16	0.42	0.0	-42	13.05	
1600	11.95		17.14	0.344	6.12	0.43	0.0	-46	13.05	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

17	0.344	6.1	0.4	0	-46	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: ☒ PERISTALTIC ☐ SUBMERSIBLE ☐ BLADDER ☐ _____ ☐ WATTERA ☐ OTHER _____ ☐ OTHER _____

DECON FLUIDS USED: ☒ LIQUINOX ☐ DEIONIZED WATER ☐ POTABLE WATER ☐ NITRIC ACID ☐ HEXANE ☐ METHANOL ☐ OTHER _____

TUBING/PUMP/BLADDER MATERIALS: ☒ SILICON TUBING ☐ TEFLON TUBING ☐ TEFLON LINED TUBING ☐ HDPE TUBING ☒ LDPE TUBING ☐ OTHER _____ ☐ OTHER _____

☐ S. STEEL PUMP MATERIAL ☐ PVC PUMP MATERIAL ☐ GEOPROBE SCREEN ☐ TEFLON BLADDER ☐ OTHER _____ ☐ OTHER _____ ☐ OTHER _____

EQUIPMENT USED: ☒ WL METER ☒ PID ☐ WQ METER ☒ TURB. METER ☒ PUMP ☐ OTHER _____ ☐ FILTERS NO. ___ TYPE _____

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES ☐ NO ☒

NO-PURGE METHOD UTILIZED: YES ☐ NO ☒

NUMBER OF GALLONS GENERATED: 1.82

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: [signature] Print Name: Caitlin Sorowik

Checked By: Date: 6/30/22

TRC

LOW FLOW GROUNDWATER SAMPLING RECORD
10 Maxwell Drive, Suite 200, Clifton Park, NY 12065

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME: Borden Chemical	LOCATION ID: MW-21
PROJECT NUMBER: 441641-0000.0000	START TIME: 1500
SAMPLE ID: BC-MW-21	SAMPLE TIME: 1505
	DATE: 6/30/22
	END TIME: 1505
	SITE NAME/NUMBER: Borden Chemical/709001
	PAGE: 1 OF 1

WELL DIAMETER (INCHES): ☐ 1 ☒ 2 ☐ 4 ☐ 6 ☐ 8 ☐ OTHER

TUBING ID (INCHES): ☐ 1/8 ☒ 1/4 ☐ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER

MEASUREMENT POINT (MP): ☐ TOP OF RISER (TOR) ☒ TOP OF CASING (TOC) ☐ OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	✓		
CASING	✓		
LOCKED	✓		✓
COLLAR			✓

INITIAL DTW (BMP)	6.18 FT	FINAL DTW (BMP)	6.24 FT	PROT. CASING STICKUP (AGS)	3 FT	TOC/TOR DIFFERENCE	FT
WELL DEPTH (BMP)	17.54 FT	SCREEN LENGTH	10 FT	PID AMBIENT AIR	PPM	REFILL TIMER SETTING	SEC
WATER COLUMN	11.36 FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041)	0.39 (S) 0.09 GAL	PID WELL MOUTH	0 PPM	DISCHARGE TIMER SETTING	SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.86 GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	3.9 GAL	DRAWDOWN/ TOTAL PURGED	<	PRESSURE TO PUMP	PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1400	BEGIN PURGING									
1410	6.22	250	14.46	0.597	6.23	0.75	18.3	96	15.5	
1420	6.23	250	13.34	0.551	6.09	0.34	24.5	-62	15.5	
1425	6.23	250	13.23	0.529	6.08	0.37	22.2	-70		
1430	6.23	250	13.17	0.498	6.07	0.46	12.8	-66		
1435	6.23	250	12.84	0.448	6.05	0.56	11.7	-52		
1440	6.24	250	12.73	0.426	5.98	0.55	0.1	-39		
1445	6.24	250	12.57	0.412	5.81	0.45	0.0	-24		
1450	6.24	250	12.64	0.403	5.60	0.39	0.0	-9		
1455	6.24	250	12.68	0.395	5.51	0.36	0.0	-4		
1500	6.24	250	12.59	0.391	5.50	0.36	0.0	-2	↓	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

13	0.391	5.5	0.4	0	-2	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- ☒ PERISTALTIC
- ☐ SUBMERSIBLE
- ☐ BLADDER
- ☐ WATTERA
- ☐ OTHER
- ☐ OTHER

DECON FLUIDS USED
- ☒ LIQUINOX
- ☐ DEIONIZED WATER
- ☐ POTABLE WATER
- ☐ NITRIC ACID
- ☐ HEXANE
- ☐ METHANOL
- ☐ OTHER

TUBING/PUMP/BLADDER MATERIALS
- ☒ SILICON TUBING
- ☐ TEFLON TUBING
- ☐ TEFLON LINED TUBING
- ☐ HDPE TUBING
- ☒ LDPE TUBING
- ☐ OTHER
- ☐ OTHER

- ☐ S. STEEL PUMP MATERIAL
- ☐ PVC PUMP MATERIAL
- ☐ GEOPROBE SCREEN
- ☐ TEFLON BLADDER
- ☐ OTHER
- ☐ OTHER
- ☐ OTHER

EQUIPMENT USED
- ☒ WL METER Q4507
- ☐ PID
- ☒ WQ METER 21101
- ☐ TURB. METER
- ☒ PUMP R19242
- ☐ OTHER
- ☐ FILTERS NO. ___ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	☐	☒
NO-PURGE METHOD UTILIZED	☐	☒

NUMBER OF GALLONS GENERATED: 3.9

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: [signature] Print Name: Caitlin Sercawik

Checked By: Date: 6/30/22

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME: Bordan Chemical	LOCATION ID: MW-28
PROJECT NUMBER: 441641.0000.0000	DATE: 6/28/22
SAMPLE ID: BC-MW-28	SAMPLE TIME: 3:55
START TIME: 3:20	END TIME: 4:00
SITE NAME/NUMBER: 769001	PAGE: 1 OF 1

WELL DIAMETER (INCHES): ☐ 1 ☒ 2 ☐ 4 ☐ 6 ☐ 8 ☐ OTHER

TUBING ID (INCHES): ☐ 1/8 ☒ 1/4 ☐ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER

MEASUREMENT POINT (MP): ☐ TOP OF RISER (TOR) ☒ TOP OF CASING (TOC) ☐ OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	✓		
CASING			
LOCKED		✓	
COLLAR		✓	

INITIAL DTW (BMP)	7.14 FT	FINAL DTW (BMP)	7.19 FT	PROT. CASING STICKUP (AGS)	FT	TOC/TOR DIFFERENCE	FT
WELL DEPTH (BMP)	16.75 FT	SCREEN LENGTH	FT	PID AMBIENT AIR	0.0 PPM	REFILL TIMER SETTING	SEC
WATER COLUMN	10.61 FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041)	0.05 GAL	PID WELL MOUTH	0.0 PPM	DISCHARGE TIMER SETTING	SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.79 GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	1.56 GAL	DRAWDOWN/ TOTAL PURGED	<	PRESSURE TO PUMP	PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
3:20	BEGIN PURGING									
3:30	7.18	200	12.61	0.429	6.97	1.83	10.1	-125	14.75	
3:35	7.19	200	12.09	0.431	6.93	0.93	5.5	-124		
3:40	7.19	200	11.64	0.438	6.87	0.76	4.5	-122		
3:45	7.19	200	11.79	0.442	6.80	0.70	2.7	-119		
3:50	7.19	200	11.77	0.441	6.76	0.65	1.7	-118		

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

	11.75	0.440	6.75	0.60	1.5	-116

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- ☐ PERISTALTIC
- ☐ SUBMERSIBLE
- ☐ BLADDER
- ☐ WATTERA
- ☐ OTHER
- ☐ OTHER

DECON FLUIDS USED
- ☒ LIQUINOX
- ☐ DEIONIZED WATER
- ☐ POTABLE WATER
- ☐ NITRIC ACID
- ☐ HEXANE
- ☐ METHANOL
- ☐ OTHER

TUBING/PUMP/BLADDER MATERIALS
- ☐ SILICON TUBING
- ☐ TEFLON TUBING
- ☐ TEFLON LINED TUBING
- ☐ HDPE TUBING
- ☒ LDPE TUBING
- ☐ OTHER
- ☐ OTHER

- ☐ S. STEEL PUMP MATERIAL
- ☐ PVC PUMP MATERIAL
- ☐ GEOPROBE SCREEN
- ☐ TEFLON BLADDER
- ☐ OTHER
- ☐ OTHER
- ☐ OTHER

EQUIPMENT USED
- ☒ WL METER 0445071
- ☒ PID Mini-Rae
- ☒ WQ METER 21062
- ☐ TURB. METER
- ☒ PUMP 18212
- ☐ OTHER
- ☐ FILTERS NO. ___ TYPE ___

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	☐	☒
NO-PURGE METHOD UTILIZED	☐	☒

NUMBER OF GALLONS GENERATED: 3

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

SKETCH/NOTES

Sampler Signature: Kevin Ethier Print Name: Kevin Ethier

Checked By: Date: 6/28/22

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	Border Chemical
PROJECT NUMBER	441641.0000.0000
SAMPLE ID	BC-MW-2B
SAMPLE TIME	1315
LOCATION ID	MW-2B
DATE	6/28/22
START TIME	1215
END TIME	1315
SITE NAME/NUMBER	709001
PAGE	1 OF 1

WELL DIAMETER (INCHES): ☐ 1 ☒ 2 ☐ 4 ☐ 6 ☐ 8 ☐ OTHER

TUBING ID (INCHES): ☐ 1/8 ☐ 1/4 ☒ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER

MEASUREMENT POINT (MP): ☐ TOP OF RISER (TOR) ☒ TOP OF CASING (TOC) ☐ OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	✓		
CASING	✓		
LOCKED		✓	
COLLAR		✓	

INITIAL DTW (BMP)	6.84 FT	FINAL DTW (BMP)	7.02 FT	PROT. CASING STICKUP (AGS)	3' FT	TOC/TOR DIFFERENCE FT
WELL DEPTH (BMP)	11.87 FT	SCREEN LENGTH	unknown FT	PID AMBIENT AIR	PPM	REFILL TIMER SETTING SEC
WATER COLUMN	5.03 FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041)	0.03 GAL	PID WELL MOUTH	0 PPM	DISCHARGE TIMER SETTING SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	0.825 GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	1.82 GAL	DRAWDOWN/ TOTAL PURGED		PRESSURE TO PUMP PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1215	BEGIN PURGING									
1225	6.96	200	25.32	0.085	4.39	0.31	9.5	122	10	
1235	7.01	200	24.77	0.087	4.61	0.21	4.2	118	10	
1240	7.00	200	24.52	0.094	4.69	0.20	3.1	116	10	
1245	7.00	200	24.32	0.096	4.75	0.19	2.4	115	10	
1250	7.02	200	24.19	0.095	4.70	0.18	1.9	114	10	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

24	0.095	4.7	6.2	1.9	114	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: ☒ PERISTALTIC ☐ SUBMERSIBLE ☐ BLADDER ☐ WATTERA ☐ OTHER ☐ OTHER

DECON FLUIDS USED: ☒ LIQUINOX ☐ DEIONIZED WATER ☐ POTABLE WATER ☐ NITRIC ACID ☐ HEXANE ☐ METHANOL ☐ OTHER

TUBING/PUMP/BLADDER MATERIALS: ☒ SILICON TUBING ☐ TEFLON TUBING ☐ TEFLON LINED TUBING ☐ HDPE TUBING ☒ LDPE TUBING ☐ OTHER ☐ OTHER

☐ S. STEEL PUMP MATERIAL ☐ PVC PUMP MATERIAL ☐ GEOPROBE SCREEN ☐ TEFLON BLADDER ☐ OTHER ☐ OTHER ☐ OTHER

EQUIPMENT USED: ☒ WL METER 445071 ☐ PID ☒ WQ METER 21101 ☐ TURB. METER ☒ PUMP R19242 ☐ OTHER ☐ FILTERS NO. ___ TYPE ___

ANALYTICAL PARAMETERS

X	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
	See Chain of Custody							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: ☐ YES ☐ NO

NO-PURGE METHOD UTILIZED: ☐ YES ☐ NO

NUMBER OF GALLONS GENERATED: 1.82

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

SKETCH/NOTES

Sampler Signature: [signature] Print Name: Caitlin Sisco

Checked By: Date: 6/28/22

TRC

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	Bordon Chemical
PROJECT NUMBER	444644.0000.0000
SAMPLE ID	BC-MW-30
SAMPLE TIME	1350
LOCATION ID	MW-30
DATE	6/28/22
START TIME	1210
END TIME	1350
SITE NAME/NUMBER	709001
PAGE	1 OF 1

WELL DIAMETER (INCHES): ☐ 1 ☒ 2 ☐ 4 ☐ 6 ☐ 8 ☐ OTHER

TUBING ID (INCHES): ☐ 1/8 ☒ 1/4 ☐ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER

MEASUREMENT POINT (MP): ☐ TOP OF RISER (TOR) ☒ TOP OF CASING (TOC) ☐ OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	✓		
CASING	✓		
LOCKED		✓	
COLLAR			✓

INITIAL DTW (BMP)	11.55 FT	FINAL DTW (BMP)	11.77 FT	PROT. CASING STICKUP (AGS)	3 FT	TOC/TOR DIFFERENCE	FT
WELL DEPTH (BMP)	14.29 FT	SCREEN LENGTH	FT	PID AMBIENT AIR	PPM	REFILL TIMER SETTING	SEC
WATER COLUMN	2.74 FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041)	0.277 GAL	PID WELL MOUTH	0 PPM	DISCHARGE TIMER SETTING	SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	0.45 GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	0.65 GAL	DRAWDOWN/ TOTAL PURGED		PRESSURE TO PUMP	PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME (3-5 Minutes)	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
~~12:48~~ ~~12:25~~	BEGIN PURGING									
12:45	13.84	250	10.11	0.390	6.80	1.11	12.3	-6		Dry
1345	11.77									recharged

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

	—	—	—	—	—

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: ☐ PERISTALTIC ☐ SUBMERSIBLE ☐ BLADDER ☐ WATTERA ☐ OTHER ☐ OTHER

DECON FLUIDS USED: ☒ LIQUINOX ☒ DEIONIZED WATER ☐ POTABLE WATER ☐ NITRIC ACID ☐ HEXANE ☐ METHANOL ☐ OTHER

TUBING/PUMP/BLADDER MATERIALS: ☒ SILICON TUBING ☐ TEFLON TUBING ☐ TEFLON LINED TUBING ☐ HDPE TUBING ☐ LDPE TUBING ☐ OTHER ☐ OTHER

☐ S. STEEL PUMP MATERIAL ☐ PVC PUMP MATERIAL ☐ GEOPROBE SCREEN ☐ TEFLON BLADDER ☐ OTHER ☐ OTHER ☐ OTHER

EQUIPMENT USED: ☒ WL METER ☐ PID ☐ WQ METER ☐ TURB. METER ☒ PUMP ☐ OTHER ☐ FILTERS NO. ___ TYPE ___

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: ☐ YES ☐ NO

NO-PURGE METHOD UTILIZED: ☐ YES ☐ NO

NUMBER OF GALLONS GENERATED: 0.65

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

Sampler Signature: Caitlin Scrawk Print Name: Caitlin Scrawk

Checked By: Date: 7/7/2022

SKETCH/NOTES

12:55 - purged dry
1345 - Well recharged to 11.77,
collect sample. only
1 and 1/2 SVOC bottles filled

TRC

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME: Borden Chemical	LOCATION ID: MW-35R
PROJECT NUMBER: 44164.0000.0000	DATE: 6/28/22
SAMPLE ID: BC-MW-35R	SAMPLE TIME: 1255
	START TIME: 1220
	END TIME: 1255
	SITE NAME/NUMBER: 709001
	PAGE: 1 OF 1

WELL DIAMETER (INCHES): [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES): [X] 1/8 [ ] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP): [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED		X	
COLLAR			X

INITIAL DTW (BMP)	5.50 FT	FINAL DTW (BMP)	5.73 FT	PROT. CASING STICKUP (AGS)	1 FT	TOC/TOR DIFFERENCE	— FT
WELL DEPTH (BMP)	13.97 FT	SCREEN LENGTH	FT	PID AMBIENT AIR	0.0 PPM	REFILL TIMER SETTING	— SEC
WATER COLUMN	8.47 FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041)	0.03 GAL	PID WELL MOUTH	0.0 PPM	DISCHARGE TIMER SETTING	— SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.39 GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	2.73 GAL	DRAWDOWN/ TOTAL PURGED	C	PRESSURE TO PUMP	— PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1220	BEGIN PURGING									
1230	5.73	300	15.39	0.111	6.64	0.67	0.0	112	9	clear
1235	5.73	300	15.47	0.111	6.49	0.62	0.0	121	9	"
1240	5.73	300	15.52	0.111	6.37	0.58	0.0	130	9	"
1245	5.73	300	15.59	0.111	6.33	0.57	0.0	135	9	"
1250	5.73	300	15.55	0.111	6.29	0.57	0.0	138	9	"
1255 - Stable, disconnect from YSI, collect sample										

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

16	0.111	6.3	0.6	0	138	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [X] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [X] LIQUINOX
- [ ] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [X] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [X] LDPE TUBING
- [ ] OTHER
- [ ] OTHER
- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER Solinst TF 034015
- [X] PID MiniRae
- [X] WQ METER Horiba 25336
- [ ] TURB. METER
- [X] PUMP Geopump R19242
- [ ] OTHER
- [ ] FILTERS NO. ___ TYPE ___

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							
X	VOCs / BTEX	8260	N	HCl	2-40ml	Y	N	
X	SVOCs	8270	N	None	2-1L	Y	N	
X	Phenol	528	N	H_2SO_4	1-500mL	Y	N	

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [ ] NO [X]

NO-PURGE METHOD UTILIZED: YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 3 gal

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

SKETCH/NOTES

Sampler Signature: KD Murphy Print Name: Kevin Murphy

Checked By: Date: 6/28/22

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME: Borden Chemical	LOCATION ID: MW-27
PROJECT NUMBER: 441641.0000.0000	DATE: 6/28/22
SAMPLE ID: BC-MW-27	START TIME: 1105
SAMPLE TIME: 1135	END TIME: 1135
SITE NAME/NUMBER: 709001	PAGE: 1 OF 1

WELL DIAMETER (INCHES): [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES): [X] 1/8 [ ] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP): [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED		X	
COLLAR			X

INITIAL DTW (BMP)	5.08 FT	FINAL DTW (BMP)	5.53 FT	PROT. CASING STICKUP (AGS)	2 FT	TOC/TOR DIFFERENCE	— FT
WELL DEPTH (BMP)	10.20 FT	SCREEN LENGTH	~~10.20~~ FT	PID AMBIENT AIR	0.0 PPM	REFILL TIMER SETTING	— SEC
WATER COLUMN	5.12 FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041)	0.07 GAL	PID WELL MOUTH	0.2 PPM	DISCHARGE TIMER SETTING	— SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	0.84 GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	2.34 GAL	DRAWDOWN/ TOTAL PURGED	<	PRESSURE TO PUMP	— PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1105	BEGIN PURGING									
1110	5.53	300	14.64	0.245	7.16	0.00	12.8	-30	7	clear
1115	5.53	300	14.29	0.259	7.00	0.00	0.0	-38	7	"
1120	5.53	300	14.05	0.282	6.84	0.00	0.0	-48	7	"
1125	5.53	300	14.04	0.284	6.82	0.00	0.0	-50	7	"
1130	5.53	300	14.02	0.286	6.81	0.00	0.0	-52	7	
1135	Stable, disconnect from YSI, sample									

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

14	0.286	6.8	0.0	0.0	-52	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [X] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [X] LIQUINOX
- [ ] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [X] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [X] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER Solinst IF 034015
- [X] PID MiniRae
- [X] WQ METER Horiba 25336
- [ ] TURB. METER
- [X] PUMP Geopump Rig 242
- [ ] OTHER
- [ ] FILTERS NO. ___ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							
X	VOCs/BTEX	8260	N	HCL	2-40ml	Y	N	
X	SVOCs	8270	N	None	2-1L	Y	N	
X	Phenol	528	N	H_2SO_4	1-500ml	Y	N	
X	Formaldehyde	1667	N	None	1-250ml	Y	N	

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [ ] NO [X]

NO-PURGE METHOD UTILIZED: YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 2.5 gal

If yes, purged approximately 1 standing volume prior to sampling or ____ mL for this sample location.

SKETCH/NOTES

Sampler Signature: [signature] Print Name: Kevin Murphy

Checked By: CS Date: 6/28/22

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	Borden Chemical
PROJECT NUMBER	441691.0000.0000
SAMPLE ID	BC-OW-10R
SAMPLE TIME	1515
LOCATION ID	OW-10R
DATE	6/27/22
START TIME	1420
END TIME	1515
SITE NAME/NUMBER	709001
PAGE	1 OF 1

WELL DIAMETER (INCHES): ☐ 1 ☒ 2 ☐ 4 ☐ 6 ☐ 8 ☐ OTHER

TUBING ID (INCHES): ☐ 1/8 ☐ 1/4 ☒ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER

MEASUREMENT POINT (MP): ☐ TOP OF RISER (TOR) ☒ TOP OF CASING (TOC) ☐ OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	✓		
CASING	✓		
LOCKED		✓	
COLLAR			✓

INITIAL DTW (BMP)	12.91 FT	FINAL DTW (BMP)	13.24 FT	PROT. CASING STICKUP (AGS)	FT	TOC/TOR DIFFERENCE	FT
WELL DEPTH (BMP)	18.15 FT	SCREEN LENGTH	FT	PID AMBIENT AIR	PPM	REFILL TIMER SETTING	SEC
WATER COLUMN	5.24 FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041)	0.05 GAL	PID WELL MOUTH	PPM	DISCHARGE TIMER SETTING	SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	0.86 GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	2.6 GAL	DRAWDOWN/ TOTAL PURGED		PRESSURE TO PUMP	PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1420	BEGIN PURGING									
1425	13.21	200							15	
1430	13.21	200	13.77	0.641	5.69	0.92	120	-111		
1435	13.24	200	12.59	0.668	5.57	0.53	89.2	-115		
1440	13.24	200	11.93	0.672	5.54	0.44	60.7	-118		
1445	13.24	200	11.50	0.692	5.56	0.40	48	-122		
1450	13.24	200	10.78	0.713	5.61	0.38	47.7	-127		
1455	13.24	200	10.88	0.728	5.65	0.32	29.2	-131		
1500	13.24	200	10.35	0.728	5.68	0.33	4.7	-134		
1505	13.24	200	10.27	0.740	5.69	0.26	9.1	-135		
1510	13.24	200	10.21	0.744	5.68	0.27	8.9	-132		

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

10	0.744	5.7	0.3	8.9	-132	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: ☒ PERISTALTIC ☐ SUBMERSIBLE ☐ BLADDER ☐ _____ ☐ WATTERA ☐ OTHER _____ ☐ OTHER _____

DECON FLUIDS USED: ☒ LIQUINOX ☐ DEIONIZED WATER ☐ POTABLE WATER ☐ NITRIC ACID ☐ HEXANE ☐ METHANOL ☐ OTHER _____

TUBING/PUMP/BLADDER MATERIALS: ☒ SILICON TUBING ☐ TEFLON TUBING ☐ TEFLON LINED TUBING ☐ HDPE TUBING ☒ LDPE TUBING ☐ OTHER _____ ☐ OTHER _____

☐ S. STEEL PUMP MATERIAL ☐ PVC PUMP MATERIAL ☐ GEOPROBE SCREEN ☐ TEFLON BLADDER ☐ OTHER _____ ☐ OTHER _____ ☐ OTHER _____

EQUIPMENT USED: ☒ WL METER ☒ PID ☒ WQ METER ☐ TURB. METER ☒ PUMP ☐ OTHER _____ ☐ FILTERS NO. ____ TYPE _____

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES ☐ NO ☒

NO-PURGE METHOD UTILIZED: YES ☐ NO ☒

NUMBER OF GALLONS GENERATED: 2.6

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

SKETCH/NOTES

Sampling for VOCs 8260
SVOCs 8270
Phenol EPA 420.1
Formaldehyde EPA 1667

Sampler Signature: Caitlin Scrask Print Name: Caitlin Scrask

Checked By: Date: 7/7/22

TRC

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	Borden Chemical
PROJECT NUMBER	441641.0000.0000
SAMPLE ID	BC-OW-35R
SAMPLE TIME	1140
LOCATION ID	OW-35R
DATE	6/28/22
START TIME	1030
END TIME	1140
SITE NAME/NUMBER	709001
PAGE	1 OF 1

WELL DIAMETER (INCHES): ☐ 1 ☑ 2 ☐ 4 ☐ 6 ☐ 8 ☐ OTHER

TUBING ID (INCHES): ☐ 1/8 ☑ 1/4 ☐ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER

MEASUREMENT POINT (MP): ☐ TOP OF RISER (TOR) ☑ TOP OF CASING (TOC) ☐ OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	✓		
CASING	✓		
LOCKED	✓		
COLLAR			✓

INITIAL DTW (BMP)	11.14 FT	FINAL DTW (BMP)	11.45 FT	PROT. CASING STICKUP (AGS)	FT	TOC/TOR DIFFERENCE	FT
WELL DEPTH (BMP)	18.05 FT	SCREEN LENGTH	Unknown FT	PID AMBIENT AIR	PPM	REFILL TIMER SETTING	SEC
WATER COLUMN	6.91 FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041)	0.05 GAL	PID WELL MOUTH	0 PPM	DISCHARGE TIMER SETTING	SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.13 GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	2.08 GAL	DRAWDOWN/ TOTAL PURGED		PRESSURE TO PUMP	PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1050	BEGIN PURGING									
1055	11.42	200							16	
1100	11.45	200	13.23	0.537	5.94	0.91	114	-108		
1110	11.45	200	12.68	0.527	5.83	0.50	71.4	-106		
1115	11.45	200	12.51	0.502	5.76	0.50	32.0	-105		
1120	11.45	200	12.41	0.488	5.73	0.44	26.4	-104		
1125	11.45	200	12.29	0.493	5.68	0.43	28.3	-105		
1130	11.45	200	12.22	0.498	5.66	0.40	28.0	-106		

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

12	0.498	5.6	0.4	28	-106	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- ☑ PERISTALTIC
- ☐ SUBMERSIBLE
- ☐ BLADDER
- ☐ WATTERA
- ☐ OTHER
- ☐ OTHER

DECON FLUIDS USED
- ☑ LIQUINOX
- ☐ DEIONIZED WATER
- ☐ POTABLE WATER
- ☐ NITRIC ACID
- ☐ HEXANE
- ☐ METHANOL
- ☐ OTHER

TUBING/PUMP/BLADDER MATERIALS
- ☐ SILICON TUBING
- ☐ TEFLON TUBING
- ☐ TEFLON LINED TUBING
- ☐ HDPE TUBING
- ☑ LDPE TUBING
- ☐ OTHER
- ☐ OTHER

- ☐ S. STEEL PUMP MATERIAL
- ☐ PVC PUMP MATERIAL
- ☐ GEOPROBE SCREEN
- ☐ TEFLON BLADDER
- ☐ OTHER
- ☐ OTHER
- ☐ OTHER

EQUIPMENT USED
- ☑ WL METER
- ☑ PID
- ☑ WQ METER
- ☐ TURB. METER
- ☑ PUMP
- ☐ OTHER
- ☐ FILTERS NO. ___ TYPE ___

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES ☐ NO ☑
NO-PURGE METHOD UTILIZED: YES ☐ NO ☑

NUMBER OF GALLONS GENERATED: 2.08

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampling phenol, VOCs SVOCs

Sampler Signature: Caitlin Sedrowk Print Name: Caitlin Sedrowk

Checked By: Date: 7/1/2022

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME: Bordan Chemical	LOCATION ID: RW-1
PROJECT NUMBER: 441641-0000.0000	DATE: 6/28/22
SAMPLE ID: 1415 RW-1 BC-RW-1	START TIME: 1108
SAMPLE TIME: 1150	END TIME: 1150
SITE NAME/NUMBER: 709001	PAGE: 1 OF 1

WELL DIAMETER (INCHES): ☐ 1 ☐ 2 ☒ 4 ☐ 6 ☐ 8 ☐ OTHER

TUBING ID (INCHES): ☐ 1/8 ☒ 1/4 ☐ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER

MEASUREMENT POINT (MP): ☐ TOP OF RISER (TOR) ☒ TOP OF CASING (TOC) ☐ OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	✓		
CASING	✓		
LOCKED	ICE	✓	
COLLAR	ICE		✓

INITIAL DTW (BMP)	6.66 FT	FINAL DTW (BMP)	10.09 FT	PROT. CASING STICKUP (AGS)	3 FT	TOC/TOR DIFFERENCE	FT
WELL DEPTH (BMP)	18.3 FT	SCREEN LENGTH	unknown FT	PID AMBIENT AIR	6.0 PPM	REFILL TIMER SETTING	SEC
WATER COLUMN	11.64 FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041)	0.56 GAL	PID WELL MOUTH	6.6 PPM	DISCHARGE TIMER SETTING	SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	7.64 GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	2.34 GAL	DRAWDOWN/ TOTAL PURGED	<	PRESSURE TO PUMP	PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
11:00	BEGIN PURGING									
11:10	7.59	300	9.22	0.307	7.48	3.16	10.7	-202	16	
11:15	8.08	300	9.10	0.307	7.44	1.47	17.0	-195	16	
11:20	8.47	200	9.21	0.306	7.43	1.02	13.3	-191	16	
11:25	8.85	200	9.11	0.307	7.42	0.80	16.7	-186	16	
11:30	9.30	150	9.21	0.306	7.42	0.71	13.3	-183	16	
11:35	9.50	150	9.16	0.306	7.41	0.69	14.7	-182	16	
11:40	9.76	150	9.07	0.306	7.39	0.73	13.3	-180	16	
11:45	10.09	~~8.98~~ ILE 150	8.98	0.306	7.38	0.68	13.9	-176	16	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

8.98	0.306	7.38	0.67	13.5	-175	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- ☒ PERISTALTIC
- ☐ SUBMERSIBLE
- ☐ BLADDER
- ☐ WATTERA
- ☐ OTHER
- ☐ OTHER

DECON FLUIDS USED
- ☒ LIQUINOX
- ☐ DEIONIZED WATER
- ☐ POTABLE WATER
- ☐ NITRIC ACID
- ☐ HEXANE
- ☐ METHANOL
- ☐ OTHER

TUBING/PUMP/BLADDER MATERIALS
- ☒ SILICON TUBING
- ☐ TEFLON TUBING
- ☐ TEFLON LINED TUBING
- ☐ HDPE TUBING
- ☒ LDPE TUBING
- ☐ OTHER
- ☐ OTHER

- ☐ S. STEEL PUMP MATERIAL
- ☐ PVC PUMP MATERIAL
- ☐ GEOPROBE SCREEN
- ☐ TEFLON BLADDER
- ☐ OTHER
- ☐ OTHER
- ☐ OTHER

EQUIPMENT USED
- ☒ WL METER O46071
- ☒ PID MiniRAE
- ☒ WQ METER 2100
- ☐ TURB. METER
- ☒ PUMP 18212
- ☐ OTHER
- ☐ FILTERS NO. ___ TYPE ___

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES ☐ NO ☒

NO-PURGE METHOD UTILIZED: YES ☐ NO ☒

NUMBER OF GALLONS GENERATED: 2.3

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

SKETCH/NOTES

Sampler Signature: [signature] Print Name: Brian Etter

Checked By: Date: 6/28/22

APPENDIX D

DAILY REPORTS

Report No.20220531 **Borden Chemical- NYSDEC Site No. 709001** Date: 5/31/2022

NYSDEC
Division of Environmental Remediation

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

NYSDEC Contract No. D009812

Superintendent:

NYSDEC PM: Janelle Gaylord

Consultant PM: Jon Bone

Consultant Site Inspector:
Cait Serowik and Kevin Murphy

Site Location: 108 – 112 North Main Street, Town of Bainbridge, New York

Weather Conditions

General Description	Clear	AM	Clear	PM
Temperature	78°F	AM	91°F	PM
Wind	7 mph NW	AM	10 mph NW	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

Site-specific HASP was followed accordingly.

Summary of Work Performed	Arrived at site:	**09:30**	Departed Site:	**17:00**

TRC Engineers, Inc. (TRC) performed a site visit on Tuesday, May 31st, 2022, at the Borden Chemical Site (the Site), located at 108-112 North Main Street Bainbridge, New York. The visit was conducted as part of the Supplemental Investigation of the Site and the Direct Push Soil Boring portion of the investigation was started. TRC and Parratt-Wolff arrived at the site at 0930, reviewed the scope of work, constructed the up-wind and down-wind CAMP set ups, and conducted a safety tailgate meeting prior to initiating drilling activities. Parrott-Wolff mobilized the rig to the BC-SB-115 boring. The boring was advanced 14 feet below ground surface (bgs), where it reached rig refusal. One soil sample from above the water table (9 feet bgs) was collected to be submitted for laboratory analysis. Additionally, a groundwater "grab" sample was collected by lowering a screen tubing down the center of the push drill rods. This screen interval for this sample was 10-14 feet bgs. Following the completion of BC-SB-115 the teams mobilized the rig to the BC-MW-104 boring location, which was advanced to 20 feet bgs. A soil sample was selected from above the water table (7 feet bgs) and grab groundwater sample was selected from a 16-20 feet bgs screened interval. Lastly, the teams mobilized to BC-MW-104 and the boring was advanced to 16 feet bgs. A chemical like odor was noted in the soil boring at 14 feet bgs and a sample was collected at this depth for laboratory analysis. A grab groundwater sample was collected from a screened interval of 12-16 feet bgs. Soil and groundwater samples are to be submitted to Pace Analytical Laboratories for analysis of Target Compound List (TCL) VOCs plus 10 Tentatively Identified Compounds (TICs) via USEPA Method 8260 and TCL SVOCs plus 20 TICs via USEPA Method 8270.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA **X**
Were there any vehicles which were not tarped?	* Yes	No	NA **X**
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA **X**

Personnel and Equipment

Individual	Company	Trade	Total Hours
Caitlin Serowik	TRC	Project Geologist	6
Kevin Murphy	TRC	Project Scientist	7.5
Blake Goodfellow	Parratt-Wolff	Driller	7.5
Mark Eaves	Parratt-Wolff	Driller	7.5

Equipment Description	Contractor/Vendor	Quantity	Used
Geoprobe 6620 DT	Parratt-Wolff	1	
PID	Pine Environmental	3	
DustTrax	Pine Environmental	2	
CAMP Setup	Pine Environmental	2	

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
NA						

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
NA		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
NA	

Project Schedule Comments

TRC is to return to the Site for the next two weeks in order to complete the soil boring and monitoring well installation/development portions of the Supplemental Investigation.

Issues Pending

None

Interaction with Public, Property Owners, Media, etc.

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)

Photo 1: View looking northeast at a view of the down-wind CAMP set up.

Photo 2: Looking west at the rig during drilling at location BC-SB-115.

Photo 3: Looking southwest at a view of the up-wind CAMP set up.

Photo 4: Looking downward at boring BC-SB-115 during the collection of the groundwater "grab" sample.

Comments	
None.	
Site Inspector(s): Cait Serowik & Kevin Murphy	**Date: 5/31/2022**

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
Comments:		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☒	No ☐
If Yes to any of 1-4 above: • If it is not critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it is critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐

Comments:

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☐	N/A☒
Were there any odors detected on this date?	Yes ☐	No ☐	N/A☒
Was noise outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: None.			

Report No.20220601 **Borden Chemical- NYSDEC Site No. 709001** Date: 6/1/2022

NYSDEC
Division of Environmental Remediation

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

NYSDEC Contract No. D009812

Superintendent:

NYSDEC PM: Janelle Gaylord

Consultant PM: Jon Bone

Consultant Site Inspector:
Cait Serowik and Kevin Murphy

Site Location: 108 – 112 North Main Street, Town of Bainbridge, New York

Weather Conditions

General Description	Clear	AM	Overcast	PM
Temperature	70°F	AM	79°F	PM
Wind	5 mph NNW	AM	8 mph SE	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

Site-specific HASP was followed accordingly.

Summary of Work Performed	Arrived at site:	**06:45**	Departed Site:	**16:15**

TRC Engineers, Inc. (TRC) conducted a site visit on Wednesday, June 1st, 2022, to the Borden Chemical Site (the Site), located at 108-112 North Main Street Bainbridge, New York. The purpose of the Site visit was to continue activities relating to the Supplemental Investigation that is underway at the Site and to continue the Direct Push Soil Boring and related sampling. TRC and Parratt-Wolff arrived at the site at 0700, reviewed the scope of work, constructed the up-wind and down-wind CAMP set ups, and conducted a safety tailgate meeting prior. Parratt-Wolff then mobilized the rig to the BC-SB-117 boring and the boring was advanced 16 feet below ground surface (bgs). One soil sample from above the water table (6 feet bgs) was collected to be submitted for laboratory analysis. Additionally, a groundwater "grab" sample was collected by lowering tubing down the center of the push drill rods. This screen interval for this sample was 12-16 feet bgs. Following the completion of BC-SB-117 the teams mobilized the rig to the BC-SB-120 boring location, which was advanced to 16 feet bgs. A soil sample was selected from 6 feet bgs, where the team noted a slight odor, some black staining, and a reading of 6.1 ppm on the PID. A grab groundwater sample was selected from a 16–20 feet bgs screened interval. The next boring to be completed on the day was BC-SB-122, which was advanced to 16 feet bgs. A soil sample from above the water table was collected and a groundwater sample was collected from a screened interval of 10-14 feet bgs. Lastly, BC-SB-125 was advanced to 12 feet bgs and a soil sample from above the water table was selected, and the groundwater sample was collected from a screen interval of 8-12 feet bgs, Soil and groundwater samples are to be submitted to Pace Analytical Laboratories for analysis of Target Compound List (TCL) VOCs plus 10 Tentatively Identified Compounds (TICs) via USEPA Method 8260 and TCL SVOCs plus 20 TICs via USEPA Method 8270.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA **X**
Were there any vehicles which were not tarped?	* Yes	No	NA **X**
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA **X**

Personnel and Equipment

Individual	Company	Trade	Total Hours
Caitlin Serowik	TRC	Project Geologist	9.5
Kevin Murphy	TRC	Project Scientist	8.5
Blake Goodfellow	Parratt-Wolff	Driller	9.5
Mark Eaves	Parratt-Wolff	Driller	9.5

Equipment Description	Contractor/Vendor	Quantity	Used
Geoprobe 6620 DT	Parratt-Wolff	1	
PID	Pine Environmental	3	
DustTrax	Pine Environmental	2	
CAMP Setup	Pine Environmental	2	

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
NA						

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
NA		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
NA	

Project Schedule Comments

TRC is to return to the Site for the next two weeks in order to complete the soil boring and monitoring well installation/development portions of the Supplemental Investigation.

Issues Pending

None

Interaction with Public, Property Owners, Media, etc.

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)

Photo 1: View looking northeast at a view of the down-wind CAMP set up.

Photo 2: Looking west at the rig during drilling at location BC-SB-117.

Photo 3: Looking west at a view of the staged drums and an overview of the Site.

Photo 4: Looking downward at boring BC-SB-117 during the collection of the groundwater "grab" sample.

Comments	
None.	
Site Inspector(s): Cait Serowik & Kevin Murphy	**Date: 6/1/2022**

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
Comments:		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☒	No ☐
If Yes to any of 1-4 above: • If it is not critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it is critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐

Comments:

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☐	N/A☒
Were there any odors detected on this date?	Yes ☐	No ☐	N/A☒
Was noise outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: None.			

DAILY INSPECTION REPORT

Report No.20220602 **Borden Chemical- NYSDEC Site No. 709001** Date: 6/2/2022

NYSDEC
Division of Environmental Remediation

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

NYSDEC Contract No. D009812

Superintendent:

NYSDEC PM: Janelle Gaylord

Consultant PM: Jon Bone

Consultant Site Inspector:
Cait Serowik and Kevin Murphy

Site Location: 108 – 112 North Main Street, Town of Bainbridge, New York

Weather Conditions

General Description	Clear	AM	Clear	PM
Temperature	61°F	AM	70°F	PM
Wind	5 mph NNW	AM	8 mph SE	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

Site-specific HASP was followed accordingly.

Summary of Work Performed	Arrived at site:	**06:45**	Departed Site:	**16:15**

TRC Engineers, Inc. (TRC) continued work related to the Supplemental Investigation on Thursday, June 2nd, 2022, at the Borden Chemical Site (the Site), located at 108-112 North Main Street Bainbridge, New York. The teams continued the direct push soil borings and groundwater sampling activities. TRC and Parratt-Wolff arrived at the site at 0700, reviewed the scope of work, constructed the up-wind and down-wind CAMP set ups, and performed a team safety tailgate meeting prior to starting work. Following preparations for the day, Parratt-Wolff mobilized the rig to the BC-SB-121 boring and the boring was advanced 12 feet below ground surface (bgs). One soil sample from above the water table at 5 feet bgs was collected for laboratory analysis. Additionally, a groundwater "grab" sample was collected by lowering a screen tubing down the center of the push drill rods. The screen interval for this sample was 8-12 feet bgs. The next completed boring was SB-124 that was advanced to 12 feet bgs, with a sample collected from above the water table at 4 feet bgs and a grab groundwater sample collected from a chosen screen zone of 7-11 feet bgs. Following the completion of BC-SB-124 the teams mobilized the rig to the BC-SB-123 boring location, which was advanced to 12 feet bgs. A soil sample was selected from 4 feet bgs, directly above the water table. A grab groundwater sample was selected from a screened interval of 7-11 feet bgs. The next boring to be completed on the day was BC-MW-101, which was advanced to 20 feet bgs. A soil sample from above the water table (3 ft. bgs) was collected. Lastly, BC-SB-119 was advanced to 12 feet bgs and a soil sample from above the water table was selected at 2 feet bgs. The groundwater sample was collected from a screen interval of 7-11 feet bgs, Soil and groundwater samples were submitted to Pace Analytical Laboratories for analysis of Target Compound List (TCL) VOCs plus 10 Tentatively Identified Compounds (TICs) via USEPA Method 8260 and TCL SVOCs plus 20 TICs via USEPA Method 8270.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA **X**
Were there any vehicles which were not tarped?	* Yes	No	NA **X**
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA **X**

Personnel and Equipment

Individual	Company	Trade	Total Hours
Caitlin Serowik	TRC	Project Geologist	9.5
Kevin Murphy	TRC	Project Scientist	8.5
Blake Goodfellow	Parratt-Wolff	Driller	9.5
Mark Eaves	Parratt-Wolff	Driller	9.5

Kevin Etter	TRC	Technical Intern	8.5

Equipment Description	Contractor/Vendor	Quantity	Used
Geoprobe 6620 DT	Parratt-Wolff	1	
PID	Pine Environmental	3	
DustTrax	Pine Environmental	2	
CAMP Setup	Pine Environmental	2	

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
NA						

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
NA		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
NA	

Project Schedule Comments

TRC is to return to the Site for the next two weeks in order to complete the soil boring and monitoring well installation/development portions of the Supplemental Investigation.

Issues Pending

None

Interaction with Public, Property Owners, Media, etc.

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)

Photo 1: View looking south at a view of the down-wind CAMP set up.

Photo 2: View looking northwest at the upwind CAMP set up.

Photo 3: Looking north at a view of SB-124 during advancement of the boring.

Photo 4: Looking east at boring MW-101 during the advancement of the boring.

Comments	
None.	
Site Inspector(s): Cait Serowik & Kevin Murphy	**Date: 6/2/2022**

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
Comments:		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☒	No ☐
If Yes to any of 1-4 above: • If it is not critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it is critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐

Comments:

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☐	N/A☒
Were there any odors detected on this date?	Yes ☐	No ☐	N/A☒
Was noise outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: None.			

DAILY INSPECTION REPORT

Report No.20220603 Borden **Chemical- NYSDEC Site No. 709001** Date: 6/3/2022

NYSDEC
Division of Environmental Remediation

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

NYSDEC Contract No. D009812

Superintendent:

NYSDEC PM: Jenelle Gaylord

Consultant PM: Jon Bone

Consultant Site Inspector: Kevin Murphy

Site Location: 108 – 112 North Main Street, Town of Bainbridge, New York

Weather Conditions

General Description	Clear	AM	Clear	PM
Temperature	58°F	AM	70°F	PM
Wind	6 mph NW	AM	10 mph NW	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA (circled)
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No (circled)	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No (circled)	NA

Health & Safety Comments

Site-specific HASP was followed accordingly.

Summary of Work Performed	Arrived at site:	**0700**	Departed Site:	**1300**

TRC Engineers, Inc. (TRC) continued work related to the Supplemental Investigation on Friday, June 3rd, 2022, at the Borden Chemical Site (the Site), located at 108-112 North Main Street Bainbridge, New York. The teams continued the direct push soil borings and groundwater sampling activities. TRC and Parratt-Wolff arrived at the site at 0700, reviewed the scope of work, constructed the up-wind and down-wind CAMP set ups, and performed a team safety tailgate meeting prior. Following preparations for the day, Parrott-Wolff mobilized the rig to BC-MW-102, which was advanced to 20 feet bgs. A soil sample was collected from directly above the water table at 5 ft. bgs. Following the completion of BC-MW-102, the teams mobilized the rig to the BC-SB-116 boring and the boring was advanced 12 feet below ground surface (bgs). A soil sample was collected from directly above the water table at 6 ft. bgs. Additionally, a groundwater "grab" sample was collected by advancing a screen to a depth of 7-11 feet bgs and placing tubing down the center of the push drill rods. The next completed boring was BC-MW-102, which was advanced to 20 feet bgs. A soil sample was collected from directly above the water table at 10 ft. bgs. Soil and groundwater samples are to be submitted to Pace Analytical Laboratories for analysis of Target Compound List (TCL) VOCs plus 10 Tentatively Identified Compounds (TICs) via USEPA Method 8260 and TCL SVOCs plus 20 TICs via USEPA Method 8270.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA **X**
Were there any vehicles which were not tarped?	* Yes	No	NA **X**
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA **X**

Personnel and Equipment

Individual	Company	Trade	Total Hours
Kevin Murphy	TRC	Project Scientist	6
Blake Goodfellow	Parratt-Wolff	Driller	6
Mark Eaves	Parratt-Wolff	Driller	6

Equipment Description	Contractor/Vendor	Quantity	Used
Geoprobe 6620 DT	Parratt-Wolff	1	
Skid-steer loader	Parratt-Wolff	1	
PID	Pine Environmental	3	
DustTrax	Pine Environmental	2	
CAMP Setup	Pine Environmental	2	
Peristaltic Pump	Pine Environmental	1	
Water Quality Meter	Pine Environmental	1	

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
NA						

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
NA		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
NA	

Project Schedule Comments

TRC is to return to the Site for the next two weeks in order to complete the soil boring and monitoring well installation/development portions of the Supplemental Investigation.

Issues Pending

None

Interaction with Public, Property Owners, Media, etc.

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)

Photo 1: View looking east at a view of the upwind CAMP set up.	**Photo 2:** View looking east at the downwind CAMP set up.
Photo 3: Sampling groundwater at SB-116.	**Photo 4:** Looking east at boring MW-103 during the advancement of the boring.

Comments	
None.	
Site Inspector(s): Kevin Murphy	**Date: 6/3/2022**

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
Comments:		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☒	No ☐
If Yes to any of 1-4 above: • If it is not critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it is critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐

Comments:

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☐	N/A☒
Were there any odors detected on this date?	Yes ☐	No ☐	N/A☒
Was noise outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: None.			

DAILY INSPECTION REPORT

Report No.20220603 Borden **Chemical- NYSDEC Site No. 709001** Date: 6/6/2022

NYSDEC
Division of Environmental Remediation

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

NYSDEC Contract No. D009812

Superintendent:

NYSDEC PM: Jenelle Gaylord

Consultant PM: Jon Bone

Consultant Site Inspector: Kevin Murphy & Caitlin Serowik

Site Location: 108 – 112 North Main Street, Town of Bainbridge, New York

Weather Conditions

General Description	Clear	AM	Clear	PM
Temperature	66°F	AM	74°F	PM
Wind	5 mph N	AM	10 mph NW	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

Site-specific HASP was followed accordingly.

Summary of Work Performed	Arrived at site:	**1000**	Departed Site:	**1600**

TRC Engineers, Inc. (TRC) resumed the soil and groundwater sampling associated with the Supplemental Investigation on Monday, June 6th, 2022, at the Borden Chemical Site (the Site) located at 108-112 North Main Street Bainbridge, New York. TRC and Parratt-Wolff arrived at the site at 1000, reviewed the scope of work, constructed the up-wind and down-wind CAMP set ups, and performed a team safety tailgate meeting before initiating drilling activities. Following preparations for the day, Parratt-Wolff mobilized the rig to BC-SB-113, which was advanced to 12 feet bgs. A soil sample was collected from 10 feet bgs, where a PID hit of 2.0 ppm was observed. A groundwater "grab" sample was collected from a chosen screen interval of 8-12 feet bgs by placing tubing down the center of the push drill rods. Following the completion of BC-SB-113 the teams mobilized the rig to the BC-SB-114 boring. The boring was advanced 12 feet bgs. A soil sample was collected from directly above the water table at 6 feet bgs. Additionally, a groundwater "grab" sample was collected by advancing a screen to a depth of 8-12 feet bgs. The next completed boring was BC-SB-106, which was advanced to 12 feet bgs. A soil sample was collected from directly above the water table at 6 feet bgs. A groundwater sample was collected from a screened zone of 8-12 feet bgs. Lastly, the teams mobilized to the BC-SB-112 boring, which was advanced to 12 feet bgs, with a soil sample selected from above the water table at 6 feet bgs. A groundwater "grab" sample was collected from a screened zone of 8-12 feet bgs. Soil and groundwater samples are to be submitted to Pace Analytical Laboratories for analysis of Target Compound List (TCL) VOCs plus 10 Tentatively Identified Compounds (TICs) via USEPA Method 8260 and TCL SVOCs plus 20 TICs via USEPA Method 8270.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA **X**
Were there any vehicles which were not tarped?	* Yes	No	NA **X**
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA **X**

Personnel and Equipment

Individual	Company	Trade	Total Hours
Kevin Murphy	TRC	Project Scientist	6
Blake Goodfellow	Parratt-Wolff	Driller	6
Mark Eaves	Parratt-Wolff	Driller	6
Caitlin Serowik	TRC	Project Geologist	6

Equipment Description	Contractor/Vendor	Quantity	Used
Geoprobe 6620 DT	Parratt-Wolff	1	
Skid-steer loader	Parratt-Wolff	1	
PID	Pine Environmental	3	
DustTrax	Pine Environmental	2	
CAMP Setup	Pine Environmental	2	
Peristaltic Pump	Pine Environmental	1	
Water Quality Meter	Pine Environmental	1	

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
NA						

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
NA		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
NA	

Project Schedule Comments

TRC is to return to the Site for the next two weeks in order to complete the soil boring and monitoring well installation/development portions of the Supplemental Investigation.

Issues Pending

None

Interaction with Public, Property Owners, Media, etc.

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)

Photo 1: View looking north at a view of the upwind CAMP set up.

Photo 2: View looking southwest at the downwind CAMP set up.

Photo 3: Sampling groundwater at SB-116.

Photo 4: Looking southwest at boring BC-SB-114 during the advancement of the boring.

Comments	
None.	
Site Inspector(s): Kevin Murphy & Caitlin Serowik	**Date: 6/6/2022**

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
Comments:		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☒	No ☐
If Yes to any of 1-4 above: • If it is not critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it is critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐

Comments:

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☐	N/A☒
Were there any odors detected on this date?	Yes ☐	No ☐	N/A☒
Was noise outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: None.			

DAILY INSPECTION REPORT

Report No.20220607 Borden **Chemical- NYSDEC Site No. 709001** Date: 6/7/2022

NYSDEC
Division of Environmental Remediation

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

NYSDEC Contract No. D009812

Superintendent:

NYSDEC PM: Jenelle Gaylord

Consultant PM: Jon Bone

Consultant Site Inspector: Kevin Murphy & Caitlin Serowik

Site Location: 108 – 112 North Main Street, Town of Bainbridge, New York

Weather Conditions

General Description	Clear	AM	Rain	PM
Temperature	64°F	AM	67°F	PM
Wind	7 mph N	AM	10 mph N	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

Site-specific HASP was followed accordingly.

Summary of Work Performed	Arrived at site:	**0700**	Departed Site:	**1600**

TRC Engineers, Inc. (TRC) continued the soil and groundwater sampling related to the Supplemental Investigation on Tuesday, June 7th, 2022, at the Borden Chemical Site (the Site) located at 108-112 North Main Street Bainbridge, New York. TRC and Parratt-Wolff arrived at the site at 0700, reviewed the scope of work, built the up-wind and down-wind CAMP set ups, and performed a team safety tailgate meeting before initiating drilling activities. Following preparations for the day, Parratt-Wolff mobilized the rig to BC-SB-107, which was advanced to 12 feet bgs. A soil sample was collected from 5 feet bgs, directly above the water table. A groundwater "grab" sample was collected from a chosen screen interval of 8-12 feet bgs by placing tubing down the center of the push drill rods. Following the completion of BC-SB-107 the teams mobilized the rig to the BC-SB-105 boring. The boring was advanced to 16 feet bgs. A soil sample was collected from directly above the water table at 9 feet bgs. Additionally, a groundwater "grab" sample was collected by advancing a screen to a depth of 11-15 feet bgs. The next completed boring was BC-SB-111, which was advanced to 20 feet bgs. A soil sample was collected from 18 feet bgs, where a PID reading of 34.8 ppm was observed. A groundwater sample was collected from a screened zone of 12-16 feet bgs. The teams then mobilized to BC-SB-110 which was advanced to 20 feet bgs, with a soil sample collected at 15 feet bgs where a PID reading of 55.5 ppm was detected. A groundwater grab sample was collected from screened zone of 12-16 feet bgs. Lastly, the teams mobilized to the BC-SB-109 boring, that was advanced to 20 feet bgs. A soil sample was selected for analysis from 18 feet bgs, where a PID reading of 33.0 ppm was observed. A groundwater "grab" sample was collected from a screened zone of 12-16 feet bgs. Soil and groundwater samples were submitted to Pace Analytical Laboratories for analysis of Target Compound List (TCL) VOCs plus 10 Tentatively Identified Compounds (TICs) via USEPA Method 8260 and TCL SVOCs plus 20 TICs via USEPA Method 8270.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA **X**
Were there any vehicles which were not tarped?	* Yes	No	NA **X**
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA **X**

Personnel and Equipment

Individual	Company	Trade	Total Hours
Kevin Murphy	TRC	Project Scientist	9
Blake Goodfellow	Parratt-Wolff	Driller	9
Mark Eaves	Parratt-Wolff	Driller	9

Caitlin Serowik	TRC	Project Geologist	9

Equipment Description	Contractor/Vendor	Quantity	Used
Geoprobe 6620 DT	Parratt-Wolff	1	
Skid-steer loader	Parratt-Wolff	1	
PID	Pine Environmental	3	
DustTrax	Pine Environmental	2	
CAMP Setup	Pine Environmental	2	
Peristaltic Pump	Pine Environmental	1	
Water Quality Meter	Pine Environmental	1	

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
NA						

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
NA		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
NA	

Project Schedule Comments

TRC is to return to the Site for the next week in order to complete the soil boring and monitoring well installation/development portions of the Supplemental Investigation.

Issues Pending

None

Interaction with Public, Property Owners, Media, etc.

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)

Photo 1: View looking north at a view of the upwind CAMP set up.

Photo 2: View looking southwest at the downwind CAMP set up.

Photo 3: Looking northwest at an overview of the Site.

Photo 4: Looking southwest at boring BC-SB-111 during the advancement of the boring.

Comments	
None.	
Site Inspector(s): Kevin Murphy & Caitlin Serowik	**Date: 6/7/2022**

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
Comments:		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☒	No ☐
If Yes to any of 1-4 above: • If it is not critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it is critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐

Comments:

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☐	N/A☒
Were there any odors detected on this date?	Yes ☐	No ☐	N/A☒
Was noise outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: None.			

DAILY INSPECTION REPORT

Report No.20220608 Borden **Chemical- NYSDEC Site No. 709001** Date: 6/8/2022

NYSDEC
Division of Environmental Remediation

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

NYSDEC Contract No. D009812

Superintendent:

NYSDEC PM: Jenelle Gaylord

Consultant PM: Jon Bone

Consultant Site Inspector: Kevin Murphy

Site Location: 108 – 112 North Main Street, Town of Bainbridge, New York

Weather Conditions

General Description	Cloudy	AM	Cloudy	PM
Temperature	55°F	AM	69°F	PM
Wind	9 mph WNW	AM	6 mph WNW	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

Site-specific HASP was followed accordingly.

Summary of Work Performed	Arrived at site:	**0700**	Departed Site:	**1630**

TRC Engineers, Inc. (TRC) continued work related to the Supplemental Investigation on Wednesday, June 8th, 2022, at the Borden Chemical Site (the Site), located at 108-112 North Main Street Bainbridge, New York. The teams continued the direct push soil borings and groundwater sampling activities, and began groundwater monitoring well installation. TRC and Parratt-Wolff arrived at the site at 0700, reviewed the scope of work, constructed the up-wind and down-wind CAMP set ups, and performed a team safety tailgate meeting prior. Following preparations for the day, Parratt-Wolff mobilized the rig to BC-SB-108, which was advanced to 16 feet bgs. A soil sample was collected from directly above the water table at 9 feet bgs. Following the completion of BC-SB-108, the teams mobilized the rig to the BC-SB-101. BC-SB-101 was advanced 20 feet bgs. A soil sample was collected from 16 feet bgs, where the strongest chemical odor was noted. Additionally, a groundwater "grab" sample was collected by advancing a screen to a depth of 12-16 feet bgs and placing tubing down the center of the push drill rods. Following the completion of BC-SB-101, the teams mobilized the rig to BC-SB-104. BC-SB-104 was advanced 20 feet bgs. A soil sample was collected from 16 feet bgs, where the strongest chemical odor was noted. Additionally, a groundwater "grab" sample was collected by advancing a screen to a depth of 12-16 feet bgs and placing tubing down the center of the push drill rods. Soil and groundwater samples are to be submitted to Pace Analytical Laboratories for analysis of Target Compound List (TCL) VOCs plus 10 Tentatively Identified Compounds (TICs) via USEPA Method 8260 and TCL SVOCs plus 20 TICs via USEPA Method 8270.

The teams also constructed monitoring wells BC-MW-102 and BC-MW-104. Monitoring well BC-MW-102 was constructed and set to a depth of 14 feet bgs feet with 2-inch polyvinyl chloride (PVC) casing, a 10-foot screen (4-14 feet bgs), and standard well construction materials. BC-MW-104 was constructed to a depth of 16 feet bgs with 2-inch PVC casing, a 10-foot screen (6-16 ft. bgs), and standard well construction materials. Stickup surface completions will be constructed at the well locations on Friday.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA **X**
Were there any vehicles which were not tarped?	* Yes	No	NA **X**
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA **X**

Personnel and Equipment

Individual	Company	Trade	Total Hours
Kevin Murphy	TRC	Project Scientist	9.5
Blake Goodfellow	Parratt-Wolff	Driller	9.5
Mark Eaves	Parratt-Wolff	Driller	9.5

Equipment Description	Contractor/Vendor	Quantity	Used
Geoprobe 6620 DT	Parratt-Wolff	1	
Skid-steer loader	Parratt-Wolff	1	
Ingersoll Rand Drill Rig	Parratt-Wolff	1	
DustTrax	Pine Environmental	2	
CAMP Setup	Pine Environmental	2	
Peristaltic Pump	Pine Environmental	1	
Water Quality Meter	Pine Environmental	1	
PID	Pine Environmental	3	

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
NA						

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
NA		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
NA	

Project Schedule Comments

TRC is to return to the Site for the next two days in order to complete the soil boring and monitoring well installation/development portions of the Supplemental Investigation.

Issues Pending

None

Interaction with Public, Property Owners, Media, etc.

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)

Photo 1: View looking south at a view of the upwind CAMP set up.

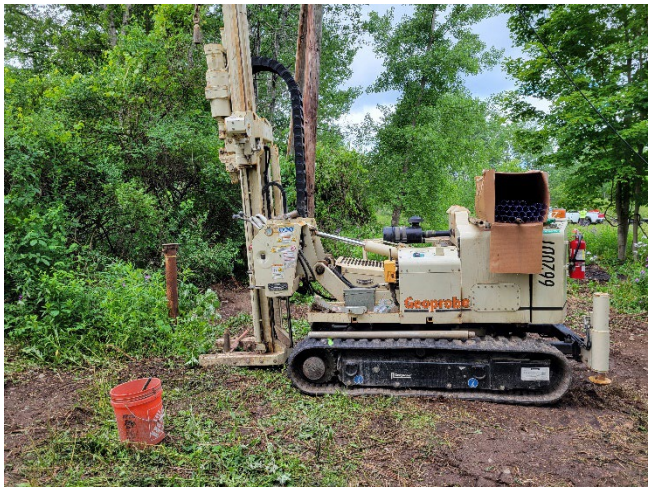


Photo 2: View looking west at drilling BC-SB-108.

Photo 3: Constructing MW-102.

Photo 4: Sampling groundwater at SB-104.

Comments
None.
Site Inspector(s): Kevin Murphy — **Date: 6/82022**

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
Comments:		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☒	No ☐
If Yes to <u>any</u> of 1-4 above: • If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐

Comments:

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☐	N/A☒
Were there any odors detected on this date?	Yes ☐	No ☐	N/A☒
Was noise outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: None.			

DAILY INSPECTION REPORT

Report No.20220609 Borden **Chemical- NYSDEC Site No. 709001** Date: 6/9/2022

NYSDEC
Division of Environmental Remediation

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

NYSDEC Contract No. D009812

Superintendent:

NYSDEC PM: Jenelle Gaylord

Consultant PM: Jon Bone

Consultant Site Inspector: Kevin Murphy & Caitlin Serowik

Site Location: 108 – 112 North Main Street, Town of Bainbridge, New York

Weather Conditions

General Description	Rain	AM	Overcast	PM
Temperature	54°F	AM	62°F	PM
Wind	4 mph NW	AM	11 mph N	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

Site-specific HASP was followed accordingly.

Summary of Work Performed	Arrived at site:	**0700**	Departed Site:	**1600**

TRC Engineers, Inc. (TRC) resumed the soil and groundwater sampling for the Supplemental Investigation on Thursday, June 9th, 2022, at the Borden Chemical Site (the Site) located at 108-112 North Main Street Bainbridge, New York. TRC and Parratt-Wolff arrived at the site at 0700, reviewed the scope of work, built the up-wind and down-wind CAMP set ups, and conducted a team safety tailgate meeting before initiating drilling activities. Following preparations for the day, Parratt-Wolff mobilized the rig to BC-SB-102 which was advanced to 20 feet bgs. A soil sample was collected from 16 feet bgs, where the strongest "chemically" odor was noted. A groundwater "grab" sample was collected from a chosen screen interval of 12-16 feet bgs by placing tubing down the center of the push drill rods. Following the completion of BC-SB-103 the teams mobilized the rig to the BC-SB-102 boring. The boring was advanced 20 feet bgs. A soil sample was collected from the area with the strongest "chemically" odor. Additionally, a groundwater "grab" sample was collected by advancing a screen to a depth of 12-16 feet bgs. The next completed boring was BC-SB-126, which was advanced to 16 feet bgs. A groundwater sample was collected from a screened zone of 12-16 feet bgs and sampled for emerging contaminants (PFAS). The teams also constructed monitoring wells BC-MW-101 and BC-MW-103. Monitoring well BC-MW-101 was constructed and set to a depth of 13 feet bgs feet with 2-inch polyvinyl chloride (PVC) casing, a 10-foot screen (3-13 feet bgs), and standard well construction materials. BC-MW-103 was constructed to a depth of 19 feet bgs with 2-inch PVC casing, a 10-foot screen (9-19 feet bgs), and standard well construction materials. The singular PFAS groundwater sample and additional soil and groundwater samples are to be submitted to Pace Analytical Laboratories for analysis of Target Compound List (TCL) VOCs plus 10 Tentatively Identified Compounds (TICs) via USEPA Method 8260 and TCL SVOCs plus 20 TICs via USEPA Method 8270.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA **X**
Were there any vehicles which were not tarped?	* Yes	No	NA **X**
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA **X**

Personnel and Equipment

Individual	Company	Trade	Total Hours
Kevin Murphy	TRC	Project Scientist	9
Blake Goodfellow	Parratt-Wolff	Driller	9
Mark Eaves	Parratt-Wolff	Driller	9
Caitlin Serowik	TRC	Project Geologist	9

Equipment Description	Contractor/Vendor	Quantity	Used
Geoprobe 6620 DT	Parratt-Wolff	1	
Skid-steer loader	Parratt-Wolff	1	
PID	Pine Environmental	3	
DustTrax	Pine Environmental	2	
CAMP Setup	Pine Environmental	2	
Peristaltic Pump	Pine Environmental	1	
Water Quality Meter	Pine Environmental	1	

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
NA						

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
NA		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
NA	

Project Schedule Comments

TRC is to return to the Site tomorrow to begin well development.

Issues Pending

None

Interaction with Public, Property Owners, Media, etc.

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)

Photo 1: View looking north at a view of the upwind CAMP set up.

Photo 2: View looking southwest at the downwind CAMP set up and rig mobilized at BC-SB-102

Photo 3: Looking west at monitoring well location BS-MW-103 during well construction.

Photo 4: Looking southwest at boring BC-SB-126 during the advancement of the boring.

Comments	
None.	
Site Inspector(s): Kevin Murphy & Caitlin Serowik	**Date: 6/9/2022**

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
Comments:		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☒	No ☐
If Yes to any of 1-4 above: • If it is not critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it is critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐
Comments:		

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☐	N/A☒
Were there any odors detected on this date?	Yes ☐	No ☐	N/A☒
Was noise outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: None.			

DAILY INSPECTION REPORT

Report No.20220609 Borden **Chemical- NYSDEC Site No. 709001** Date: 6/9/2022

NYSDEC
Division of Environmental Remediation

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

NYSDEC Contract No. D009812

Superintendent:

NYSDEC PM: Jenelle Gaylord

Consultant PM: Jon Bone

Consultant Site Inspector: Kevin Murphy & Caitlin Serowik

Site Location: 108 – 112 North Main Street, Town of Bainbridge, New York

Weather Conditions

General Description	Rain	AM	Overcast	PM
Temperature	54°F	AM	62°F	PM
Wind	4 mph NW	AM	11 mph N	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

Site-specific HASP was followed accordingly.

Summary of Work Performed	Arrived at site:	**0700**	Departed Site:	**1600**

TRC Engineers, Inc. (TRC) resumed the soil and groundwater sampling for the Supplemental Investigation on Thursday, June 9th, 2022, at the Borden Chemical Site (the Site) located at 108-112 North Main Street Bainbridge, New York. TRC and Parratt-Wolff arrived at the site at 0700, reviewed the scope of work, built the up-wind and down-wind CAMP set ups, and conducted a team safety tailgate meeting before initiating drilling activities. Following preparations for the day, Parratt-Wolff mobilized the rig to BC-SB-102 which was advanced to 20 feet bgs. A soil sample was collected from 16 feet bgs, where the strongest "chemically" odor was noted. A groundwater "grab" sample was collected from a chosen screen interval of 12-16 feet bgs by placing tubing down the center of the push drill rods. Following the completion of BC-SB-103 the teams mobilized the rig to the BC-SB-102 boring. The boring was advanced 20 feet bgs. A soil sample was collected from the area with the strongest "chemically" odor. Additionally, a groundwater "grab" sample was collected by advancing a screen to a depth of 12-16 feet bgs. The next completed boring was BC-SB-126, which was advanced to 16 feet bgs. A groundwater sample was collected from a screened zone of 12-16 feet bgs and sampled for emerging contaminants (PFAS). The teams also constructed monitoring wells BC-MW-101 and BC-MW-103. Monitoring well BC-MW-101 was constructed and set to a depth of 13 feet bgs feet with 2-inch polyvinyl chloride (PVC) casing, a 10-foot screen (3-13 feet bgs), and standard well construction materials. BC-MW-103 was constructed to a depth of 19 feet bgs with 2-inch PVC casing, a 10-foot screen (9-19 feet bgs), and standard well construction materials. The singular PFAS groundwater sample and additional soil and groundwater samples are to be submitted to Pace Analytical Laboratories for analysis of Target Compound List (TCL) VOCs plus 10 Tentatively Identified Compounds (TICs) via USEPA Method 8260 and TCL SVOCs plus 20 TICs via USEPA Method 8270.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA **X**
Were there any vehicles which were not tarped?	* Yes	No	NA **X**
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA **X**

Personnel and Equipment

Individual	Company	Trade	Total Hours
Kevin Murphy	TRC	Project Scientist	9
Blake Goodfellow	Parratt-Wolff	Driller	9
Mark Eaves	Parratt-Wolff	Driller	9
Caitlin Serowik	TRC	Project Geologist	9

Equipment Description	Contractor/Vendor	Quantity	Used
Geoprobe 6620 DT	Parratt-Wolff	1	
Skid-steer loader	Parratt-Wolff	1	
PID	Pine Environmental	3	
DustTrax	Pine Environmental	2	
CAMP Setup	Pine Environmental	2	
Peristaltic Pump	Pine Environmental	1	
Water Quality Meter	Pine Environmental	1	

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
NA						

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
NA		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
NA	

Project Schedule Comments

TRC is to return to the Site tomorrow to begin well development.

Issues Pending

None

Interaction with Public, Property Owners, Media, etc.

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)

Photo 1: View looking north at a view of the upwind CAMP set up.

Photo 2: View looking southwest at the downwind CAMP set up and rig mobilized at BC-SB-102

Photo 3: Looking west at monitoring well location BS-MW-103 during well construction.

Photo 4: Looking southwest at boring BC-SB-126 during the advancement of the boring.

Comments	
None.	
Site Inspector(s): Kevin Murphy & Caitlin Serowik	**Date: 6/9/2022**

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
Comments:		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☒	No ☐
If Yes to any of 1-4 above: • If it is not critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it is critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐
Comments:		

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☐	N/A☒
Were there any odors detected on this date?	Yes ☐	No ☐	N/A☒
Was noise outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: None.			

DAILY INSPECTION REPORT

Report No.20220610 Borden **Chemical- NYSDEC Site No. 709001** Date: 6/10/2022

NYSDEC
Division of Environmental Remediation

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

NYSDEC Contract No. D009812

Superintendent:

NYSDEC PM: Jenelle Gaylord

Consultant PM: Jon Bone

Consultant Site Inspector: Kevin Murphy & Caitlin Serowik

Site Location: 108 – 112 North Main Street, Town of Bainbridge, New York

Weather Conditions

General Description	Clear	AM	Clear	PM
Temperature	62°F	AM	68°F	PM
Wind	10 mph NW	AM	10 mph NW	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

Site-specific HASP was followed accordingly.

Summary of Work Performed	Arrived at site:	**0700**	Departed Site:	**1430**

TRC Engineers, Inc. (TRC) performed a site visit as part of the Supplemental Investigation on Friday, June 10th, 2022, at the Borden Chemical Site (the Site) located at 108-112 North Main Street Bainbridge, New York. TRC and Parratt-Wolff arrived at the site at 0700 and began monitoring well development activities. The newly installed monitoring wells (MW-101, MW-102, MW-103, and MW-104) were developed utilizing two bladder pumps provided by Parratt-Wolff. The teams also redeveloped two existing wells (MW-15D and RW-1). Groundwater quality readings were collected from the start of development and throughout until the conclusion. Well development was considered to be completed when either turbidity read under 50 NTU, 10 well volumes had been removed, or the well was purged dry. Monitoring well MW-3 (a preexisting well) was attempted to be redeveloped but was obstructed at approximately 4 feet bgs by what appeared to be a decaying animal.

Surface completions of the four newly installed wells were concluded on this date, with each well finished with a locking expansion plug, protective well casing, and concrete pad.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA **X**
Were there any vehicles which were not tarped?	* Yes	No	NA **X**
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA **X**

Personnel and Equipment

Individual	Company	Trade	Total Hours
Kevin Murphy	TRC	Project Scientist	7.5
Blake Goodfellow	Parratt-Wolff	Driller	7.5
Mark Eaves	Parratt-Wolff	Driller	7.5
Caitlin Serowik	TRC	Project Geologist	7.5
Kevin Etter	TRC	Project Intern	7.5

Equipment Description	Contractor/Vendor	Quantity	Used
Bladder Pump	Parratt-Wolff	2	
Skid-steer loader	Parratt-Wolff	1	
Interface Probe	Pine Environmental	1	
Water Quality Meter	Pine Environmental	1	

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
NA						

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
NA		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
NA	

Project Schedule Comments

TRC is to return to the Site the week of 6/13 to complete the additional work added to the investigation, including 3 replacement monitoring wells and decommission of two additional wells.

Issues Pending

None

Interaction with Public, Property Owners, Media, etc.

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)

Photo 1: View of newly installed monitoring well MW-102 during development,	**Photo 2:** View looking east at newly installed monitoring well MW-101 during development.
Photo 3: View of monitoring well MW-15D during redevelopment.	**Photo 4:** View of monitoring well MW-104 following surface completion.

Comments	
None.	
Site Inspector(s): Kevin Murphy & Caitlin Serowik	**Date: 6/10/2022**

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
Comments:		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☒	No ☐
If Yes to any of 1-4 above: • If it is not critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it is critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐
Comments:		

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☐	N/A☒
Were there any odors detected on this date?	Yes ☐	No ☐	N/A☒
Was noise outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: None.			

DAILY INSPECTION REPORT

Report No.20220613 Borden **Chemical- NYSDEC Site No. 709001** Date: 6/13/2022

NYSDEC
Division of Environmental Remediation

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

NYSDEC Contract No. D009812

Superintendent:

NYSDEC PM: Jenelle Gaylord

Consultant PM: Jon Bone

Consultant Site Inspector: Kevin Murphy

Site Location: 108 – 112 North Main Street, Town of Bainbridge, New York

Weather Conditions

General Description	Cloudy	AM	Cloudy	PM
Temperature	65°F	AM	72°F	PM
Wind	7 mph WNW	AM	6 mph NW	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

Site-specific HASP was followed accordingly.

Summary of Work Performed	Arrived at site:	**0900**	Departed Site:	**1700**

TRC Engineers, Inc. (TRC) performed a site visit as part of the Supplemental Investigation on Monday, June 13th, 2022, at the Borden Chemical Site (the Site) located at 108-112 North Main Street Bainbridge, New York. TRC and Parratt-Wolff arrived at the site at 0900 and began monitoring well installation activities. The teams located evidence of MW-21 including the stickup protective casing and 3 feet of well casing however these items were disconnected and the remaining well casing below ground surface could not be located. Given these findings the teams could not decommission MW-21. The teams did replace MW-21 which was drilled to a depth of 15 feet bgs and constructed with 2-inch polyvinyl chloride (PVC) casing, a 10-foot screen (5-15 feet bgs), and standard well construction materials. The teams then moved to MW-16 where they again located evidence of MW-16 including a damaged stickup protective casing and 3 feet of well casing however these were disconnected. The remaining well casing below ground surface could not be located and therefore could not be decommissioned. The teams did replace MW-16 which was drilled to a depth of 14 feet bgs and constructed with 2-inch polyvinyl chloride (PVC) casing, a 10-foot screen (4-15 feet bgs), and standard well construction materials.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA **X**
Were there any vehicles which were not tarped?	* Yes	No	NA **X**
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA **X**

Personnel and Equipment

Individual	Company	Trade	Total Hours
Kevin Murphy	TRC	Project Scientist	8
Corey Brown	Parratt-Wolff	Driller	8
Lamont Clemens	Parratt-Wolff	Driller	8
Kevin Etter	TRC	Project Intern	8

Equipment Description	Contractor/Vendor	Quantity	Used
Submersible Pump	Parratt-Wolff	2	
Skid-steer loader	Parratt-Wolff	1	
Interface Probe	Pine Environmental	1	
Water Quality Meter	Pine Environmental	1	
Ingersoll Rand Drill Rig	Parratt-Wolff	1	

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
NA						

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Auger cuttings and development water are being collected in drums.

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
NA		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
NA	

Project Schedule Comments

TRC is to return to tomorrow to finish well replacement and development.

Issues Pending

None

Interaction with Public, Property Owners, Media, etc.

None

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)

Photo 1: View of destroyed MW-21.	**Photo 2:** MW-21 replacement well.
Photo 3: View of damaged MW-16.	**Photo 4:** Installing MW-16 replacement well.

Comments	
None.	
Site Inspector(s): Kevin Murphy	**Date: 6/13/2022**

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
Comments:		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☒	No ☐
If Yes to any of 1-4 above: • If it is not critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it is critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐
Comments:		

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☐	N/A☒
Were there any odors detected on this date?	Yes ☐	No ☐	N/A☒
Was noise outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: None.			

DAILY INSPECTION REPORT

Report No.20220614 Borden **Chemical- NYSDEC Site No. 709001** Date: 6/14/2022

NYSDEC
Division of Environmental Remediation

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

NYSDEC Contract No. D009812

Superintendent:

NYSDEC PM: Jenelle Gaylord

Consultant PM: Jon Bone

Consultant Site Inspector: Kevin Murphy

Site Location: 108 – 112 North Main Street, Town of Bainbridge, New York

Weather Conditions

General Description	Cloudy	AM	Cloudy	PM
Temperature	64°F	AM	78°F	PM
Wind	3 mph NW	AM	4 mph NW	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

Site-specific HASP was followed accordingly.

Summary of Work Performed	Arrived at site:	**0730**	Departed Site:	**1400**

TRC Engineers, Inc. (TRC) performed a site visit as part of the Supplemental Investigation on Tuesday, June 14th, 2022, at the Borden Chemical Site (the Site) located at 108-112 North Main Street Bainbridge, New York. TRC and Parratt-Wolff arrived at the site at 0730 and began well repair and development activities. The teams successfully cleared old tubing and approximately 2 feet of black sludge from MW-19 by pumping water at the surface through tremie pipe that was placed on the bottom of the well. The teams tried the same method at MW-3 but were unsuccessful as the tremie pipe was unable to be advanced below 4.5' and all water pumped in the well was not recovered at the surface indicating a broken casing likely at the refusal depth of 4.5'. Monitoring wells MW-16, MW-19, and MW-21 were developed utilizing two submersible pumps provided by Parratt-Wolff. Groundwater quality readings were collected during development. Well development was considered to be completed when either turbidity read under 50 NTU, 10 well volumes had been removed, or the well was purged dry.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA **X**
Were there any vehicles which were not tarped?	* Yes	No	NA **X**
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA **X**

Personnel and Equipment

Individual	Company	Trade	Total Hours
Kevin Murphy	TRC	Project Scientist	6.5
Corey Brown	Parratt-Wolff	Driller	6.5
Lamont Clemens	Parratt-Wolff	Driller	6.5
Kevin Etter	TRC	Project Intern	6.5

Equipment Description	Contractor/Vendor	Quantity	Used
Submersible Pump	Parratt-Wolff	2	
Skid-steer loader	Parratt-Wolff	1	
Interface Probe	Pine Environmental	1	
Water Quality Meter	Pine Environmental	1	
Ingersoll Rand Drill Rig	Parratt-Wolff	1	

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
NA						

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Auger cuttings and development water are being collected in drums.

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
NA		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
NA	

Project Schedule Comments

TRC is to return to the site in approximately 2 weeks to begin groundwater sampling.

Issues Pending

None

Interaction with Public, Property Owners, Media, etc.

None

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)

Photo 1: Clearing MW-19 by pumping potable water through tremie pipe placed at bottom of well.	**Photo 2:** Developing MW-21.
Photo 3: Developing MW-16.	**Photo 4:** Attempting to clear MW-3 by pumping potable water through tremie pipe.

Comments	
None.	
Site Inspector(s): Kevin Murphy	**Date: 6/14/2022**

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
Comments:		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☒	No ☐
If Yes to any of 1-4 above: • If it is not critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it is critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐
Comments:		

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☐	N/A☒
Were there any odors detected on this date?	Yes ☐	No ☐	N/A☒
Was noise outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: None.			

Report No.20220627 **Borden Chemical- NYSDEC Site No. 709001** Date: 6/27/2022

NYSDEC
Division of Environmental Remediation

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

NYSDEC Contract No. D009812

Superintendent:

NYSDEC PM: Jenelle Gaylord

Consultant PM: Jon Bone

Consultant Site Inspector: Kevin Murphy, Caitlin Serowik, and Kevin Etter

Site Location: 108 – 112 North Main Street, Town of Bainbridge, New York

Weather Conditions

General Description	Clear	AM	Clear	PM
Temperature	62°F	AM	71°F	PM
Wind	8 mph NW	AM	9 mph NW	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

Site-specific HASP was followed accordingly.

Summary of Work Performed	Arrived at site:	**0800**	Departed Site:	**1630**

TRC Engineers, Inc. (TRC) performed a site visit on Monday, June 27th, 2022, at the Borden Chemical Site (the Site) located at 108-112 North Main Street Bainbridge, New York. The purpose of this visit was to begin the simultaneous Supplemental Investigation and Site Management groundwater sampling at the Site. TRC arrived at the site at 0800, reviewed the scope of work for the day, and began conducting a groundwater gauging event. The gauging event included the monitoring well network specified in the Site Management Plan, as well as those specified as part of the Supplemental Investigation. Monitoring wells MW-15, MW-15D, and OW-10R were purged utilizing low-flow sampling methods and submitted along with quality assurance/quality control (QA/QC) samples to Pace Analytical Laboratories. Monitoring well MW-15D was submitted for analysis of TCL VOCs + 10 TICs via EPA Method 8260 and SVOCs + 20 TICs via EPA Method 8270. Monitoring well MW-15D was submitted for analysis of TCL VOCs + 10 TICs via EPA Method 8260, BTEX via EPA Method 8260, SVOCs + 20 TICs via EPA Method 8270, and Phenol via EPA Method 420.1. Lastly, monitoring well OW-10R was submitted for analysis of TCL VOCs + 10 TICs via EPA Method 8260, SVOCs + 20 TICs via EPA Method 8270, and Formaldehyde via EPA Method 1667.

.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA **X**
Were there any vehicles which were not tarped?	* Yes	No	NA **X**
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA **X**

Personnel and Equipment

Individual	Company	Trade	Total Hours
Kevin Murphy	TRC	Project Scientist	8.5
Kevin Etter	TRC	Project Intern	8.5
Caitlin Serowik	TRC	Project Geologist	8.5

Equipment Description	Contractor/Vendor	Quantity	Used
PID	Pine Environmental	3	
Oil/Water Interface Probe	Pine Environmental	3	
YSI	Pine Environmental	3	
Peristaltic Pump	Pine Environmental	3	

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
NA						

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
NA		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
NA	

Project Schedule Comments

TRC is to return to the site on Tuesday, June 28th to complete the groundwater sampling.

Issues Pending

None

Interaction with Public, Property Owners, Media, etc.

None

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)

Photo 1: View of MW-19 during the gauging event.	**Photo 2:** View of MW-27 during the gauging event
Photo 3: View of monitoring well MW-17 during the gauging event.	**Photo 4:** View of the monitoring well MW-2B during the gauging event.

Comments	
None.	
Site Inspector(s): Caitlin Serowik	**Date: 6/27/2022**

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
Comments:		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☒	No ☐
If Yes to any of 1-4 above: • If it is not critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it is critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐
Comments:		

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☐	N/A☒
Were there any odors detected on this date?	Yes ☐	No ☐	N/A☒
Was noise outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: None.			

NYSDEC
Division of Environmental Remediation

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

NYSDEC Contract No. D009812

Superintendent:

NYSDEC PM: Jenelle Gaylord

Consultant PM: Jon Bone

Consultant Site Inspector: Kevin Murphy, Caitlin Serowik, and Kevin Etter

Site Location: 108 – 112 North Main Street, Town of Bainbridge, New York

Weather Conditions

General Description	Clear	AM	Clear	PM
Temperature	59°F	AM	71°F	PM
Wind	6 mph NW	AM	5 mph WNW	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

Site-specific HASP was followed accordingly.

Summary of Work Performed	Arrived at site:	**0730**	Departed Site:	**1600**

TRC Engineers, Inc. (TRC) performed a site visit at the Borden Chemical Site (the Site) located at 108-112 North Main Street Bainbridge, New York on Tuesday, June 28th, 2022. The purpose of this visit was to continue the concurrent Supplemental Investigation and site management groundwater sampling at the Site. TRC arrived at the site at 0730 and reviewed the scope of work for the day. Monitoring wells MW-27, MW-35R, MW-103, MW-102, OW-35R, MW-101, MW-30, RW-1, MW-28, and MW-104 were all purged utilizing low-flow sampling methods and submitted along with quality assurance/quality control (QA/QC) samples to Pace Analytical Laboratories. Monitoring wells MW-101, MW-102, MW-103, and MW-104 were submitted for analysis of TCL VOCs + 10 TICs via EPA Method 8260 and for SVOCs + 20 TICs via EPA Method 8270. Monitoring wells MW-35R, OW-35R, MW-30, and MW-28 were submitted for analysis of TCL VOCs + 10 TICs via EPA Method 8260, BTEX via EPA Method 8260, SVOCs + 20 TICs via EPA Method 8270, and Phenol via EPA Method 528. Monitoring well MW-27 was sampled for analysis of TCL VOCs + 10 TICs via EPA Method 8260, BTEX via EPA Method 8260, SVOCs + 20 TICs via EPA Method 8270, Phenol via EPA Method 528, and Formaldehyde via EPA Method 1667.

Additionally, four sediment samples were collected from various location in Beatty Creek. These samples were proposed to be co-located with surface water samples from Beatty Creek, however no flow was observed on this day. Based on observations made by the team during the Supplemental Investigation, it appears the creek only produces flow following storm or significant rain events. The sediment samples and associated QA/QC samples were submitted to Pace Analytical for analysis of TCL VOCs + 10 TICs via EPA Method 8260 and for SVOCs + 20 TICs via EPA Method 8270.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA **X**
Were there any vehicles which were not tarped?	* Yes	No	NA **X**
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA **X**

Personnel and Equipment

Individual	Company	Trade	Total Hours
Kevin Murphy	TRC	Project Scientist	8.5
Kevin Etter	TRC	Project Intern	8.5
Caitlin Serowik	TRC	Project Geologist	8.5

Equipment Description	Contractor/Vendor	Quantity	Used
PID	Pine Environmental	3	
Oil/Water Interface Probe	Pine Environmental	3	
YSI	Pine Environmental	3	
Peristaltic Pump	Pine Environmental	3	

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
NA						

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
NA		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
NA	

Project Schedule Comments

TRC is to return to the site on Thursday, June 30th to complete the groundwater sampling.

Issues Pending

None

Interaction with Public, Property Owners, Media, etc.

None

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)

Photo 1: View of MW-27 during groundwater sample collection.

Photo 2: View of the area where sediment sample BC-SE-104 was collected.

Photo 3: View looking northwest at the dried Beatty Creek bed.

Photo 4: View of the area where sediment sample BC-SE-101.

Comments	
None.	
Site Inspector(s): Caitlin Serowik	**Date: 6/28/2022**

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
Comments:		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☒	No ☐
If Yes to any of 1-4 above: • If it is not critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it is critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐
Comments:		

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☐	N/A☒
Were there any odors detected on this date?	Yes ☐	No ☐	N/A☒
Was noise outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: None.			

DAILY INSPECTION REPORT

Report No.20220630 **Borden Chemical- NYSDEC Site No. 709001** Date: 6/30/2022

NYSDEC
Division of Environmental Remediation

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

NYSDEC Contract No. D009812

Superintendent:

NYSDEC PM: Jenelle Gaylord

Consultant PM: Jon Bone

Consultant Site Inspector: Caitlin Serowik, and Kevin Etter

Site Location: 108 – 112 North Main Street, Town of Bainbridge, New York

Weather Conditions

General Description	Clear	AM	Clear	PM
Temperature	67°F	AM	74°F	PM
Wind	6 mph WSW	AM	8 mph W	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

Site-specific HASP was followed accordingly.

Summary of Work Performed	Arrived at site:	**0900**	Departed Site:	**1700**

TRC Engineers, Inc. (TRC) conducted a visit at the Borden Chemical Site (the Site) located at 108-112 North Main Street Bainbridge, New York on Thursday, June 30th, 2022. The purpose of this visit was to complete the Supplemental Investigation and site management groundwater sampling at the Site. TRC arrived at the site at 0900 and reviewed the scope of work for the day. Monitoring wells MW-19, MW-16, MW-17, MW-2B, and MW-21 were purged utilizing low-flow sampling methods and submitted along with quality assurance/quality control (QA/QC) samples to Pace Analytical Laboratories. Monitoring wells MW-17 and MW-21 were submitted for analysis of TCL VOCs + 10 TICs via EPA Method 8260 and for SVOCs + 20 TICs via EPA Method 8270. Monitoring wells MW-2B and MW-19 were submitted for analysis of TCL VOCs + 10 TICs via EPA Method 8260, BTEX via EPA Method 8260, SVOCs + 20 TICs via EPA Method 8270, and PCBs via EPA Method 8082, and lastly monitoring well MW-19 was submitted for analysis of TCL VOCs + 10 TICs via EPA Method 8260, BTEX via EPA Method 8260, SVOCs + 20 TICs via EPA Method 8270, and Phenol via EPA Method 528.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA **X**
Were there any vehicles which were not tarped?	* Yes	No	NA **X**
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA **X**

Personnel and Equipment

Individual	Company	Trade	Total Hours
Kevin Etter	TRC	Project Intern	8
Caitlin Serowik	TRC	Project Geologist	8

Equipment Description	Contractor/Vendor	Quantity	Used
PID	Pine Environmental	2	
Oil/Water Interface Probe	Pine Environmental	2	
YSI	Pine Environmental	2	
Peristaltic Pump	Pine Environmental	2	

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
NA						

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
NA		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
NA	

Project Schedule Comments

None.

Issues Pending

None

Interaction with Public, Property Owners, Media, etc.

None

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
Photo 1: View of MW-19 during groundwater sample collection.	**Photo 2:** View of monitoring well MW-21 during groundwater sample collection.
Purposefully left blank	*Purposefully left blank*

Comments	
None.	
Site Inspector(s): Caitlin Serowik	**Date: 6/30/2022**

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
Comments:		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☒	No ☐
If Yes to any of 1-4 above: • If it is not critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it is critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐
Comments:		

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☐	N/A☒
Were there any odors detected on this date?	Yes ☐	No ☐	N/A☒
Was noise outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: None.			

APPENDIX E

PRIVATE UTILITY SURVEY REPORT

GREENSTAR
Environmental Solutions, LLC

Greenstar Environmental Solutions, LLC
6 Gellatly Drive
Wappingers Falls, NY 12590

May 26, 2022

Jonathan Bone
Project Manager
TRC
215 Greenfield Parkway, Suite 102
Liverpool, NY 13088

RE: Geophysical Survey, 151 County Rd 38, Bainbridge, NY 13733

Dear Mr. Bone,

Greenstar Environmental Solutions, LLC (Greenstar) is pleased to present this letter report summarizing the ground penetrating radar (GPR) and Electromagnetic (EM) survey at 151 County Rd 38, Bainbridge, New York.

SITE AND PROJECT DESCRIPTION

Greenstar Environmental Solutions LLC (Greenstar) was contracted by TRC to conduct a geophysical survey at 151 County Rd 38, Bainbridge, New York (subject property). The survey was completed on May 23, 2022 by Greenstar staff overseen by TRC staff. The objective of the survey was to clear 26 boring locations within the work area.

The GPR survey was completed using a GSSI 350 mHz antenna and receiver. GPR surveying is a nonintrusive, subsurface geophysical investigation technique that detects subsurface structures by transmitting electromagnetic waves from an antenna into the ground. The antenna then monitors the strength and time delay of the return signal. The return signal is then evaluated for any anomalies, which by their size, shape and orientation can be interpreted as voids, underground storage tanks, utility pipelines, soil-bedrock interface or areas of different sediment compaction. A radio frequency (RF) line locator was also used to identify subsurface utility lines based on the presence of 120 hertz signal (electric) and transmitted signals from the RF transmitter.

RESULTS

Borden Chemical Work Area: Approximately 26 boring locations were cleared of subsurface obstructions and marked with white paint. A water line and a communications line were located and marked within the work area. Utilities and boring locations were marked in paint and reviewed with TRC staff. An area of approximately 10 ft around each boring was cleared and marked with a white box in the field. Approximate boring and utility locations are shown in Figure 1.

Thank you for allowing Greenstar to assist TRC with this project. If you have any questions, please do not hesitate to contact me at (917) 655-5123 or via email at pnimmer@greenstarsolutions.com.

Sincerely,

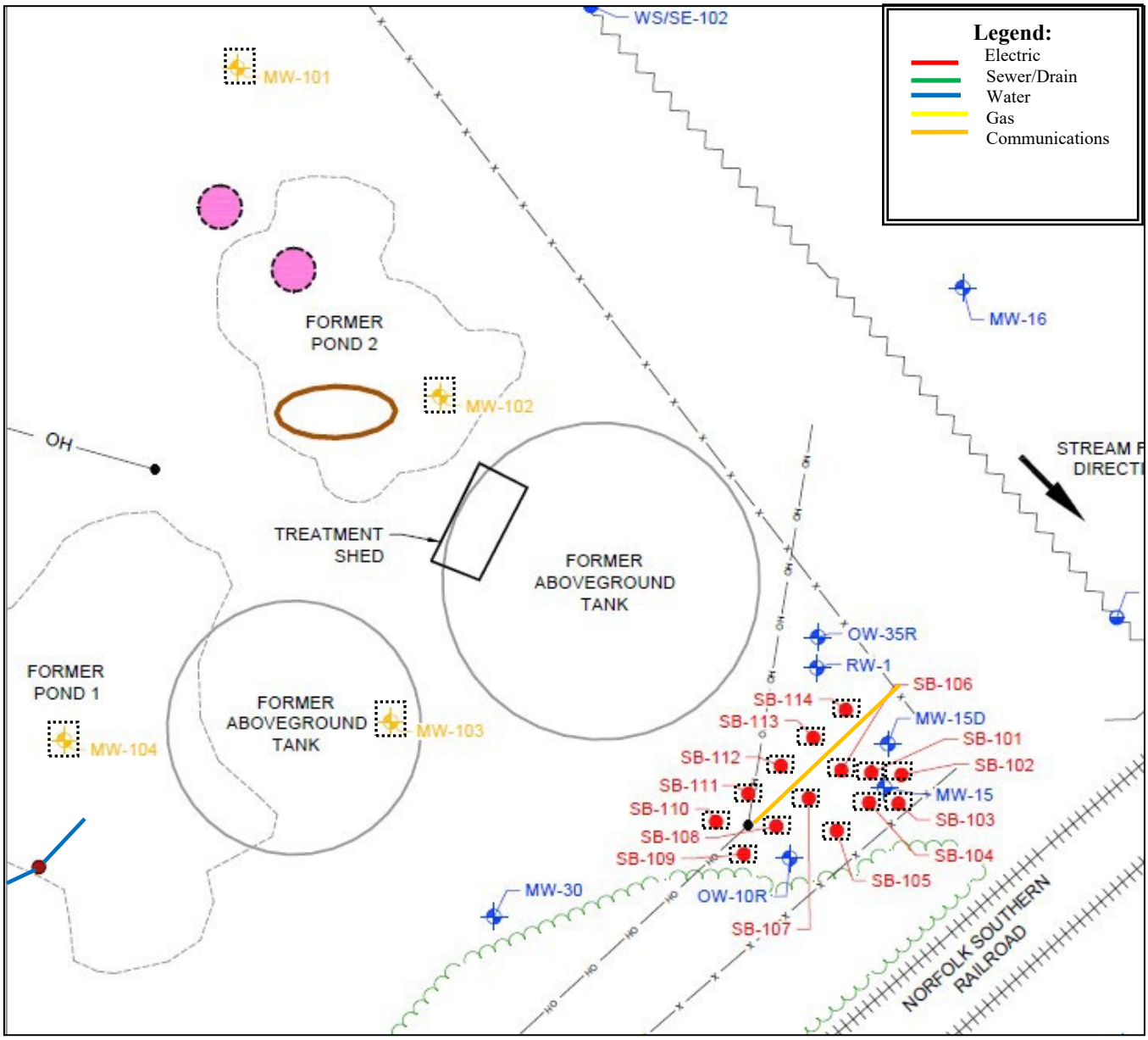
GREENSTAR ENVIRONMENTAL SOLUTIONS, LLC

Pete Nimmer, PG, LSRP
Senior Geologist

GREENSTAR
Environmental Solutions, LLC

Greenstar Environmental Solutions, LLC
6 Gellatly Drive
Wappingers Falls, NY 12590

Figure 1
Approximate Utility and Boring Locations
Borden Chemical Work Area
151 County Rd 38, Bainbridge, NY 13733



APPENDIX F

SITE SURVEY

Grid North of Central Meridian

Water Surface Elevations			
Identifier	Northing	Easting	Water Surface Elevation
WS-SE-101	841,278.29	1,121,348.76	989.63
WS-SE-102	841,017.87	1,121,450.85	985.12
WS-SE-103	840,887.05	1,121,596.89	984.25
WS-SE-104	840,836.46	1,121,638.04	983.32

NOTES:

Underground utilities exist on this parcel. Due to their unknown underground location they are subject to field verification. Call "UDIG NY" @ 811 at least two (2) working days prior to any digging.

Underground utilities shown are from field evidence found and located.

Horizontal datum is based on NAD83. The New York State Coordinate System is in Central Zone.

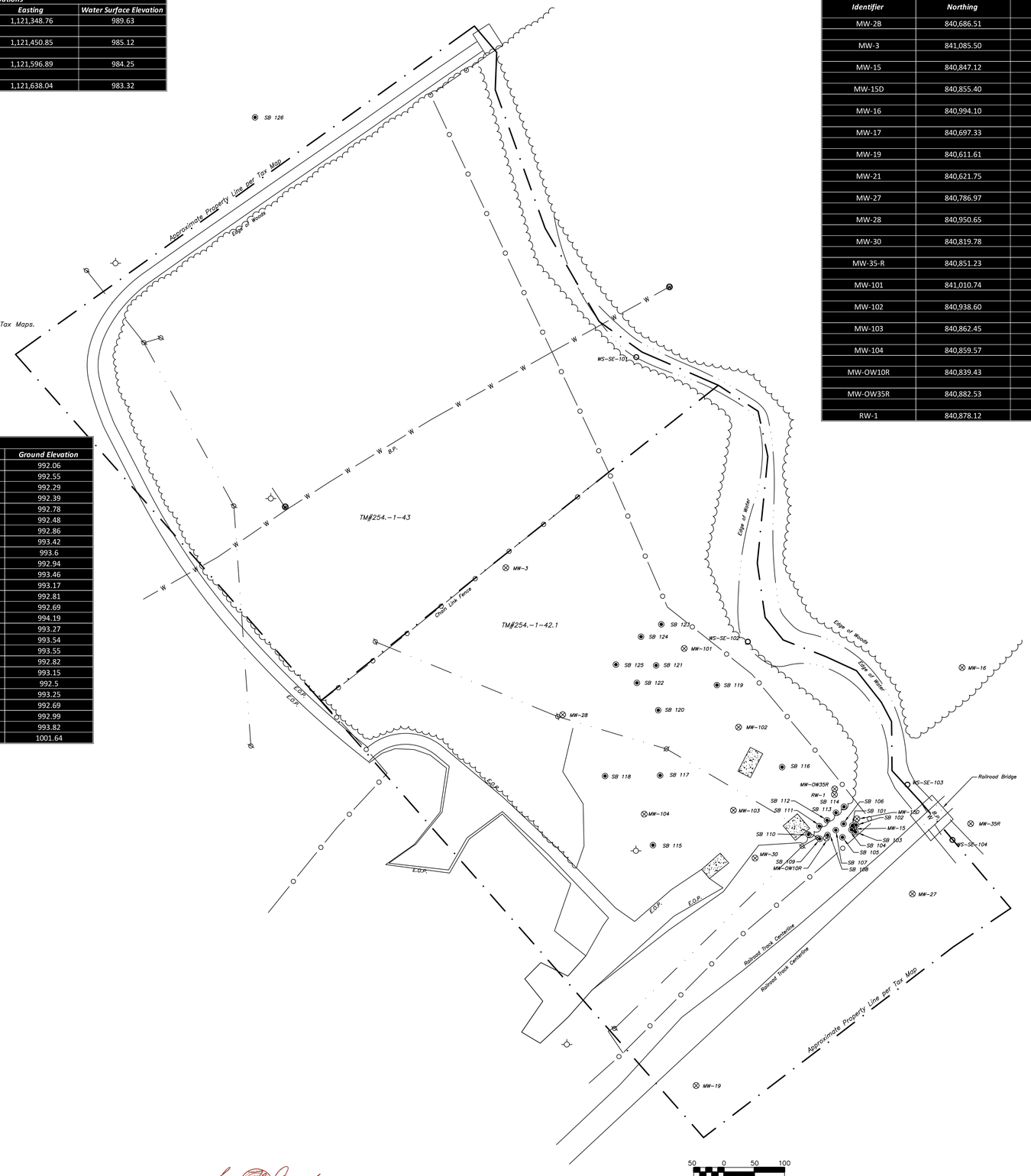
Vertical datum based on NAVD88.

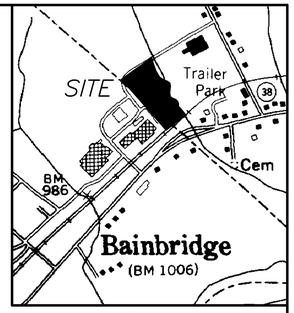
Property lines shown hereon were extracted from Chenango County Tax Maps. No abstract of title was available.

Unauthorized alteration or addition to a survey map bearing a licensed land surveyor's seal is a violation of section 7209, subdivision 2, of the New York State Education Law.

Only copies from the original of this survey marked with an original seal shall be considered to be valid, true copies.

Soil Borings			
Identifier	Northing	Easting	Ground Elevation
SB-101	840,849.50	1,121,546.51	992.06
SB-102	840,850.10	1,121,549.99	992.55
SB-103	840,843.58	1,121,549.38	992.29
SB-104	840,845.73	1,121,545.65	992.39
SB-105	840,838.77	1,121,537.43	992.78
SB-106	840,851.09	1,121,538.47	992.48
SB-107	840,845.37	1,121,531.28	992.86
SB-108	840,840.89	1,121,523.78	993.42
SB-109	840,837.41	1,121,516.72	993.6
SB-110	840,841.40	1,121,506.28	992.94
SB-111	840,849.02	1,121,516.31	993.46
SB-112	840,854.40	1,121,523.29	993.17
SB-113	840,861.27	1,121,531.46	992.81
SB-114	840,866.78	1,121,538.79	992.69
SB-115	840,831.66	1,121,364.08	994.19
SB-116	840,903.04	1,121,482.26	993.27
SB-117	840,895.44	1,121,370.66	993.54
SB-118	840,894.86	1,121,320.22	993.55
SB-119	840,978.13	1,121,422.57	992.82
SB-120	840,955.11	1,121,368.87	993.15
SB-121	840,996.12	1,121,366.98	992.5
SB-122	840,980.15	1,121,349.40	993.25
SB-123	841,033.67	1,121,371.63	992.69
SB-124	841,022.38	1,121,353.16	992.99
SB-125	840,996.86	1,121,330.14	993.82
SB-126	841,497.67	1,121,000.02	1001.64





LOCATION MAP

Monitor Wells					
Identifier	Northing	Easting	Top of Protective Casing Elevation	Top of PVC Elevation	Ground Elevation
MW-2B	840,686.51	1,120,513.33	N/A	999.66	996.34
MW-3	841,085.50	1,121,229.43	995.79	995.43	N/A
MW-15	840,847.12	1,121,547.12	995.52	995.31	992.50
MW-15D	840,855.40	1,121,550.17	995.10	994.59	992.57
MW-16	840,994.10	1,121,646.88	990.35	990.14	987.37
MW-17	840,697.33	1,120,694.68	N/A	1,000.68	998.18
MW-19	840,611.61	1,121,403.50	997.50	997.21	994.74
MW-21	840,621.75	1,120,532.46	998.40	998.11	995.58
MW-27	840,786.97	1,121,601.33	988.24	987.93	986.03
MW-28	840,950.65	1,121,282.31	996.72	996.51	994.34
MW-30	840,819.78	1,121,456.86	996.66	996.54	994.19
MW-35-R	840,851.23	1,121,654.71	989.45	988.96	987.48
MW-101	841,010.74	1,121,393.37	994.71	994.45	991.98
MW-102	840,938.60	1,121,441.81	996.35	996.03	993.17
MW-103	840,862.45	1,121,437.75	996.38	996.11	993.63
MW-104	840,859.57	1,121,357.10	997.16	996.92	994.04
MW-OW10R	840,839.43	1,121,523.00	997.11	996.81	993.44
MW-OW35R	840,882.53	1,121,529.37	996.49	996.25	992.84
RW-1	840,878.12	1,121,528.73	N/A	992.14	993.20

LEGEND

- Concrete
- E.O.P. Edge of Pavement
- B.P. Blue Paint
- Chain Link Fence
- W W Waterline
- Fire Hydrant
- Water Valve
- Monitoring Well
- Soil Sample
- Water Surface Elevation
- Utility Pole
- Overhead Utility Wires
- Approximate Property Line
- Tree Line / Edge of Woods

SOIL SAMPLE, MONITOR WELL, AND WATER ELEVATION MAP

of property of

Former Borden Chemical

NYS DEC SITE NO. 709001

T.M. #254.-1-42.1

TOWN OF BAINBRIDGE, COUNTY OF CHENANGO

STATE OF NEW YORK

Dated: September 23, 2022 *Scale: 1" = 50'*

Drawn By: R. Korosec

Survey and Map by: Susan M. Anacker, Professional Land Surveyor
Susan M. Anacker, L.S. Lic # 50321
11082 Davis Road East, Deerfield, New York 13502
(315) 724-6800

ORIGINAL STAMPED IN RED INK

22-52

APPENDIX G

DATA USABILITY SUMMARY REPORTS (DUSRs)