FINAL PERIODIC REVIEW REPORT (2022) BALDWIN PLACE SHOPPING CENTER NYSDEC SITE NO. 360023

WORK ASSIGNMENT NO. D009809-10

Prepared for:

New York State Department of Environmental Conservation Albany, New York

Prepared by:

MACTEC Engineering and Geology, P.C. Portland, Maine

MACTEC: 3616206104

MAY 2023

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APRIL 2023

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TABLE OF CONTENTS

LIST C	OF FIGU	JRES	III
LIST C	OF TAB	LES	IV
		OF ACRONYMS AND ABBREVIATIONS	
		SUMMARY	
1.0		OVERVIEW	
	1.1	Site History and Description	
	1.2	Physical Setting	
		1.2.1 Land Use	
		1.2.2 Geology	
		1.2.3 Hydrogeology	1-3
	1.3	Remedial Goals and Remedial Progress	. 1-4
		1.3.1 Record of Decision	1-4
		1.3.2 Remedial Actions	1-5
2.0		UATION OF REMEDY PERFORMANCE, EFFECTIVENESS AND	
	PROT	ECTIVENESS	
	2.1	Institutional Controls/Engineering Controls	
	2.2	Operations & Maintenance	
		2.2.1 Inspection & Monitoring	2-3
	2.3	Long Term Monitoring	. 2-3
		2.3.1 Groundwater Elevation Monitoring	2-3
		2.3.2 Monitoring Well Inventory and Repair	
		2.3.3 Environmental Sampling and Analysis	
	2.4	Soil Vapor Intrusion Monitoring	
	2.5	Additional Site Activities	
		2.5.1 Groundwater Rebound Evaluation	2-5
		2.5.2 Proposed New Tenant Construction	
		2.5.3 Emerging Contaminant Sampling (PFAS)	
		2.5.4 Residential Sampling 2-Error! Bookmark not defi	
3.0	EVAL	UATION OF COSTS	
4.0		AINABILITY AND RESILENCY	
	4.1	Green Remediation.	. 4-1
	4.2	Climate Change	. 4-1
	4.3	Sustainability	. 4-2
5.0	CONC	LUSIONS AND RECOMMENDATIONS	5-1
	5.1	Institutional Controls/Engineering Controls	. 5-1
	5.2	Operation and Maintenance Plan	. 5-2
	5.3	Long Term Monitoring Plan	. 5-2
	5.4	Emerging Contaminant Sampling	
	5.5	Site Management Plan	
	5.6	Recommendations	
	-	5.6.1 Institutional Controls/Engineering Controls	
		5.6.2 Operation And Maintenance Plan	
		5.6.3 Long Term Monitoring Plan	

2022 Periodic Review Rej NYSDEC – Site No. 3600. MACTEC Engineering an	3	11 0	May 2023
6.0 REFERENCE	S		6-1
FIGURES			
TABLES			
APPENDICES			
Appendix A:	•	nt Periodic Review Report Notice Institutional a ntrols Certification Form	and
Appendix B:	Institutional and	d Engineering Controls- Property Owner Survey	,
Appendix C:	Field Data Reco	ords	
	C-1: Quarterly I	Rebound Evaluation Field Data Records-2022	
	C-2: Treatment S	System and Well Inspection Forms – September	r 2022
	C-3– Site Inspec	ction Photo Log –September 2022	
Appendix D:	Figures and Tab	les from 2021 LTM	
	D-1 2021 L7	ГМ Figures – November 2021	
	D-2 2021 LT	TM Tables – November 2021	

LIST OF FIGURES

Figures

- 1.1 Site Location
- 1.2 Site Features and Monitoring Well Locations
- 2.1 Groundwater Rebound Evaluation Monitoring Well Locations

LIST OF TABLES

Tables

- 2.1 Site Management Requirements
- 2.2 Long Term Monitoring and Analyses Plan
- 2.3 Groundwater Rebound Evaluation Sample Identification and Analyses Plan
- 2.4 Groundwater Rebound Evaluation VOC Analytical Results

GLOSSARY OF ACRONYMS AND ABBREVIATIONS

1,2-DCE dichloroethene

EC engineering controls

GWETS groundwater extraction and treatment system

IC institutional controls

LaBella LaBella Associates

LMSE Lawler, Matusky, & Skelly Engineers

LTM long term monitoring

MACTEC Engineering and Consulting, PC or MACTEC Engineering and

Geology, P.C.

MTBE Methyl-tert-butyl-ether

μg/L micrograms per liter

NYS New York State

NYSDEC New York State Department of Environmental Conservation

NYSDOH New York Department of Health

PCE tetrachloroethene

PDB passive diffusion bag

PFAS per-and Polyfluoroalkyl substances

PFOA perfluorooctanoic acid

PFOS perfluorooctanesulfonic acid
POET Point of Entry Treatment
PRR Periodic Review Report

RI/FS Remedial Investigation/Feasibility Study

ROD Record of Decision

RSO Remedial System Optimization

Site Baldwin Place Shopping Center site

SM Site Management

2022 Periodic Review Report – Baldwin Place Shopping Center NYSDEC – Site No. 360023 MACTEC Engineering and Geology, P.C. – 3616206104

May 2023

SMP Site Management Plan

TCE trichloroethene

USEPA United States Environmental Protection Agency

VOC volatile organic compound

EXECUTIVE SUMMARY

Site Information						
Site Name:	Baldwin Place Shopping	NYSDEC Site	360023			
	Center	No:				
Site Location:	80 U.S. Route 6 Somers,	Remedial	Inactive Hazardous			
	Westchester County, New York	Program:	Waste Disposal			
Site Type:	Commercial	Site	04			
		Classification:				
Parcel	4.20-1-11 -	Parcel	28.0			
Identification(s):	4.20-1-11.6	Acreage:				
Selected Remedy:	Excavation, Groundwater Extraction Treatment System, Long-term monitoring	Site COC(s):	tetrachloroethene (PCE), trichloroethene (TCE) 1,2-dichloroethene (1,2-DCE)			
Category	Summary/Results					
Engineering Controls	 Groundwater monitoring well system Groundwater Extraction and Treatment System (Recovery Wells & Plant 1) Plant 1 access restriction via chain link fence 					
Institutional Controls	 Record of Decision Deed Restriction (Parcel 4.20-1-11.6) Site Management Plan 					
Site Classification	Class 4 Inactive Hazardous Waste Disposal Site					
Site Management Plan	SMP – April 2022					
Certification/Reporting Period	January 1, 2022 – December 31, 2022					
Inspection	Frequency					
Site Inspection	Every 15 months					
Remedial System	A					
Inspection	Annually					
Monitoring	Frequency					
LTM Groundwater	 Two extraction wells – every 15 months Ten on-site monitoring wells – every 15 months 					

Groundwater Rebound	Two extraction wells - every 3 months			
Evaluation	• Seven on-site monitoring wells - every 3 months			
	• Two additional monitoring wells (MW-7M1 and MW-7M2) - 4 th quarter of 2022			
Soil Vapor	Indoor air and sub-slab vapor – every 3 years			
Site Management Activities	The following activities were conducted during this reporting period (January 2022 – December 2022). • 09/01/22: Site-wide inspection			
Additional Site Activities	 The quarterly Groundwater Rebound Evaluation was conducted on March 3, June 2, September 1, and December 2, 2022 At the request of the NYSDEC, MACTEC supported the NYSDEC by reviewing work plans and additional documentation in reference to the redevelopment of the Site as required. 			
Conclusions	 The GWETS is temporarily shut down for a groundwater rebound evaluation, Groundwater was monitored quarterly to evaluate the need to continue operations of the GWETS. The current ICs/ECs are adequate for protection of human health and the environment based on current site use. During the September 2022 monitoring well inventory, wells MW-7S and MW-8S were noted as damaged. The next LTM sampling event will be conducted in February 2023 and the sampling plan includes collecting VOC samples (via PDBs for wells associated with the LTM and quarterly groundwater rebound evaluation), and via low flow purging methods (VOC and PFAS samples associated with solely the LTM). 			
Recommendations	 Continue quarterly groundwater sampling through June 2023 to complete the 18-month groundwater rebound evaluation (MACTEC, 2021b) Continue the implementation and evaluation of the existing IC/ECs as outline in the SMP (MACTEC, 20222). Replace well cover bolts at monitoring wells MW-7S and MW-8S to maintain a tight seal and reduce the potential for precipitation and potential contaminants from the parking lot to flow into the wells. 4.Complete LTM sampling utilizing PFAS-free hydrasleeves to reduce time and costs of sampling and allow for sampling VOCs and PFAS simultaneously during future LTM events. 			
Cost Evaluation	The total cost of site management activities this reporting period was \$58,716. This cost includes engineering (e.g., labor and expense) and utilities for the OM&M activities, groundwater rebound evaluation			
	activities, and reporting activities for MACTEC.			

1.0 SITE OVERVIEW

This Periodic Review Report (PRR) summarizes Site Management (SM) activities completed at the Baldwin Place Shopping Center (now Somers Commons) site (Site No. 360023; herein referred to as the Site) from January 1, 2022 to December 31, 2022 and evaluates the effectiveness of the remedial actions. Activities conducted at the Site between January 2022 and December 2022 included the quarterly rebound evaluation sampling and site inspection. The Site Management Periodic Review Report Notice Institutional and Engineering Controls Certification Form and Institutional and Engineering Controls Property Owner Survey are attached as Appendices A and B, respectively.

1.1 SITE HISTORY AND DESCRIPTION

The Site is located at 80 U.S. Route 6 in the Town of Somers, Westchester County, New York, (Figure 1.1). Per the Record of Decision (ROD) (New York State Department of Environmental Conservation [NYSDEC], 1995), the Site is an approximately 28-acre property bounded by Route 6 and Tomahawk Street to the north, vacant forested land to the south, a rail-trail and residential property to the east, and Clayton Boulevard and an apartment complex to the west. A Deed Restriction is in place for 1.6 acres of the east central portion of the property referred to as Unit Six (Figure 1.2). This Deed Restriction requires adherence to the Site Management Plan and includes a prohibition for use of the property for residential purposes, use of groundwater without proper treatment, and a provision to provide a periodic certification that states compliance with the institutional controls.

A dry-cleaning facility operated at the Site from approximately 1965 through 1991. In 1979, the Westchester County Health Department discovered dry cleaning chemicals and their associated breakdown products (tetrachloroethene [PCE], trichloroethene [TCE] and 1,2-dichloroethene [1,2-DCE]) in the mall's two bedrock water supply wells PW-1 and PW-2. Subsequently, two offsite areas including the commercial area along Route 6 to the west and part of the Meadow Park Road community to the southeast were impacted by site-related contaminants. The original structure where the contaminant release occurred no longer exists; the Site was a mostly vacant shopping center in the early 2000's when it was demolished to make way for the current shopping center (Somers Commons) located on the property.

Following the closing of the dry cleaners, point of entry treatment (POET) systems were installed at nearby private residences affected by groundwater contamination. In 1989 the Site was listed on the NYSDEC Registry of Inactive Hazardous Waste Disposal sites and subject to environmental investigation and remedial action.

A remedial investigation (RI) was conducted at the Site in August 1994 (Vincent Uhl & Associates, 1994). A Feasibility Study (FS) was completed in June of 1995 (Lawler, Matusky & Skelly Engineers [LMSE], 1995). From those reports, the NYSDEC issued a ROD in 1995 specifying the removal of contaminated soils from the Site (NYSDEC, 1995) and remediation of the groundwater. The soil excavation was completed in 1997 followed by the construction of a source area groundwater extraction and treatment system (GWETS) in 1998 (Plant 1). As part of the remedy, a water distribution system was constructed at the Site to supply water to the adjacent Meadow Park Road community (Plant 2) in 1999. When the community was subsequently connected to the public water supply in November of 2001, Plant 2 was kept online as a secondary pump and treat system. Both Plant 1 and Plant 2 (Figure 1.2) operated onsite and treated contaminated groundwater through granular carbon vessels. In early 2011, Plant 2 was shut down.

Groundwater extraction and treatment of the source area was conducted onsite through the Plant 1 GWETS. The GWETS was built in 1998 and consists of two extraction wells (RW-1S, an overburden well, and RW-2D, an upper bedrock well) installed within the source area, subsurface conveyance piping to the treatment building, controls, utility service connections, and an activated carbon filtration treatment system. Treated water is discharged to a nearby drainage ditch under a State Pollution Discharge Elimination System (SPDES) Permit Equivalent. Access to Pump House 1 (Plant 1) is restricted by a six- foot chain link fence with locked gates. In April 2021, a Remedial System Optimization (RSO) Evaluation was conducted to determine the extent of residual tetrachloroethene (PCE) contamination in soil in the vicinity of the former remedial excavation to evaluate the extent of PCE soil contamination that could be contributing to groundwater contamination (MACTEC Engineering and Geology [MACTEC], 2021a).

The evaluation indicated that the contamination appears to be in small, discontinuous layers within the shallow overburden, and recommended the temporary shutdown of the GWETS with comprehensive monitoring and evaluation of groundwater data to demonstrate that the concentration of contaminants in groundwater are remaining stable and not progressing off-site (MACTEC, 2021a). In November 2021, the GWETS was shut down temporarily for a groundwater rebound evaluation which will run for at least 18-months to evaluate natural attenuation of PCE as an alternative to the GWETS. Following this evaluation, a Groundwater Rebound Evaluation Report will be submitted to the NYSDEC with recommendation to either restart the GWETS or revise the ROD to change the selected remedy.

1.2 PHYSICAL SETTING

The physical setting of the Site is discussed in the subsections below.

1.2.1 Land Use

The Site consists of a multi-unit shopping plaza with multiple tenants, and surrounding parking lots. The Site is zoned commercial and is currently utilized for commercial use.

The properties adjoining the Site, and in the neighborhood surrounding the Site, consist of primarily commercial and residential properties, including:

- South vacant properties
- North commercial properties
- East residential properties
- West commercial and residential properties

1.2.2 Geology

The overburden at the Site consists of a sandy silty till and is approximately 60 feet in thickness in the source area. The till is thinnest near the western/northwestern Site boundary and thickens to the south-southeast. Below the till is a thin mantle of weathered saprolitic granitic gneiss, which is underlain by the fractured granitic gneiss bedrock. The depth to competent bedrock ranges from approximately 11 feet below ground surface (bgs) in the western portion of the Site (vicinity of MW-9S) to approximately 100 feet bgs in the eastern/southeastern portion of the Site (vicinity of MW-3D) (Aztech, 2014).

1.2.3 Hydrogeology

The saturated thickness of the till ranges from less than 1 foot along the western edge of the mall, to approximately 75 feet along the eastern portion of the mall. The depth to water in the till ranges from approximately 5 feet bgs in the southwestern portion of the Site (i.e., at monitoring well MW-2S) to 13 feet bgs just west of the source area (i.e., at monitoring well MW-7S).

Shallow groundwater across the site area is interpreted to flow primarily to the west/southwest, and bedrock groundwater is interpreted to flow primarily to the southwest. Vertical hydraulic gradients in the source area are in the downward direction (i.e., from the overburden into the fractured bedrock).

1.3 REMEDIAL GOALS AND REMEDIAL PROGRESS

Remedial goals for the Site, outlined in the ROD, are to prevent direct contact with contaminated soil and/or groundwater, restore groundwater quality to acceptable levels within a reasonable time frame, and to prevent contaminated groundwater from migrating off-site. In accordance with the Site Management Plan (SMP) Revision 1, current SM requirements for monitoring the performance and effectiveness of the remedial measures completed at the Site consist of annual site inspections, quarterly rebound sampling, and environmental long-term monitoring (LTM) (MACTEC, 2022a).

1.3.1 Record of Decision

NYSDEC listed the Site as an Inactive Hazardous Waste Site (ID No. 360023) in 1987. Big V Supermarkets, the responsible party, entered into an Order on Consent with the NYSDEC in September 1991, when as part of an Interim Remedial Measure undertaken prior to issuance of the ROD, they installed new POET systems and/or assumed maintenance and operation of existing POET systems for the water supplies of commercial and/or residential properties impacted with site-related volatile organic compounds (VOCs). An RI/FS was subsequently completed to address the soil and groundwater contamination. On November 9, 1995, the NYSDEC issued the ROD which required the following actions to remediate the presence of PCE and related compounds at the Site:

- Excavation of source area contaminated soils to remove the source of contamination to the groundwater.
- Groundwater treatment in the source area. A groundwater pump and treat system (Plant 1) was installed in proximity to the source area to capture vertical and horizontal flow from within and around the source area as well as to capture contaminants that might leach into

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the groundwater from any residual contaminated soil left in place after the excavation and thereby prevent further contamination of the underlying bedrock aquifer.

- Supply potable water to 19 residences on Meadow Park Road. This was accomplished by developing a new water district that derived its water supply from the two water supply wells associated with the former shopping center and treating that water with granular activated carbon (GAC) prior to distribution to the 19 residences. That water supply would later become known as "Plant 2".
- Maintain POET systems along US Route 6. This would be accomplished by continuing maintenance and operation of individual POET systems installed on commercial and/or residential properties located along US Route 6. Use of these POET systems would continue until groundwater quality is restored to drinking water standards or, an alternate source of water supply became available. Additionally, any future wells along Route 6 that became impacted by site-related VOCs in excess of drinking water standards would be equipped with a POET system.
- Connection to alternate water supply. Each of the residences and/or commercial establishments equipped with POET systems would be connected to the regional municipal system when it became available.

1.3.2 Remedial Actions

Big V Supermarkets assumed responsibility for implementing remedial actions required by the ROD until August 6, 2003, when liquidation of their assets under a bankruptcy proceeding terminated their funding of remedial efforts. NYSDEC has assumed direct responsibility for the continued implementation of the ROD since that time.

Source Removal

Source removal was conducted in February 1997 and involved excavation of shallow soil from above the footers of the former building foundation and installation of sheet piling to facilitate the excavation of impacted soils at depth. Altogether, approximately 135 cubic yards (236 tons) of source area soil to a depth of 16 feet bgs was removed. In 2015, contamination was detected directly beneath the previously excavated source area.

Potable Water Supply - Meadow Park Road

The community water supply system for the Meadow Park Road residences was constructed in 1998 and began operating in February 1999. The system delivered treated water obtained from the shopping center water supply to 17 of the 19 residences located on Meadow Park Road. The 17 residences in the Meadow Park Road Area were connected to the regional municipal water system when it became available in November 2001, and the connection between the Site's former water

supply and Meadow Park Road was terminated. The individual supply wells serving two residences that were not connected into the municipal water system in 2001 were sampled quarterly until 2003, followed by annual sampling in 2004, 2006, and 2007. Analytical results indicated that these two wells were not impacted by VOCs related to the Site, and are therefore sampling was ceased (Aztech, 2014).

The Site's former water supply wells continued operation as a 6onitoater pump'and treat system (Plant 2) until 2011 when operation of Plant 2 was suspended. Plant 2 was recommended for decommissioning in a 2014 Remedial System Optimization (RSO) completed by MACTEC and has since been decommissioned/demolished.

2.0 EVALUATION OF REMEDY PERFORMANCE, EFFECTIVENESS AND PROTECTIVENESS

The SMP for the Site includes an institutional controls/engineering controls (Ics/Ecs) Plan, Operation and Maintenance (O&M) Plan, LTM Plan, quarterly rebound sampling plan, and associated reporting (MACTEC, 2022a). SM requirements are summarized in Table 2.1.

This Periodic Review Report (PRR) documents the SM activities conducted from January 2022 to December 2022:

- Remedial System Inspection: September
- Well Inspection: September
- Quarterly Groundwater Rebound Assessment: Quarterly (March, June, September, and December)

Soil vapor intrusion (SVI) monitoring is an existing EC for Unit Six (formally Home Goods); however, this monitoring is completed every three years, and not included within the timeframe of the 2022 PRR. SVI sampling was last completed in January 2020 (Aztech, 2020).

Other Activities conducted during the reporting period per request by the NYSDEC included:

- Installation of passive diffusion bags (PDBs) in monitoring wells MW-7M1 and MW-7M2 during the third quarter sampling event
- Sampling of MW-7M1 and MW-7M2 during the fourth quarter sampling event
- Replacing the bolts on monitoring wells MW-3D and MW-3DD.

This PRR was completed using site-specific documentation, which includes:

- ROD (NYSDEC, 1995)
- SMP (MACTEC, 2022a)
- Deed Restriction (Westchester County, NY, 2015)

This PRR was prepared to document that established controls required by the SMP are operational and effective, that the SMP is being implemented and conducted accordingly, and that the remedy remains protective of the environment and/or public health. SM activities were completed during the reporting period and an evaluation of the performance, protectiveness, and effectiveness of the remedy is summarized below.

2.1 INSTITUTIONAL CONTROLS/ENGINEERING CONTROLS

Contaminated soil and groundwater exist beneath the ground surface; therefore IC/Ecs are required to protect human health and the environment. Ics were established via a deed restriction to (1) ensure access to the Site for the unimpeded operation of the EC systems (ground water collection system); (2) restrict future residential use of the Site; and (3) restrict future use of the groundwater. These measures help ensure that the remedy remains protective in the future. The Ics for the Site include the ROD, Deed Restriction, and Site Management Plan.

Ecs for the Site include a GWETS (i.e., Plant 1) which is comprised of two extraction wells installed within the source area (RW-1S, an overburden well, and RW-2D, an upper bedrock well), subsurface conveyance piping to Plant 1, controls, utility service connections, and the Plant 1 activated carbon filtration treatment system. Groundwater is treated prior to discharge to a nearby drainage ditch under a SPDES Permit Equivalent. Access to Pump House 1 (Plant 1) is restricted by a six- foot chain link fence with locked gates (Figure 1.2).

During the reporting period, the treatment system was inspected during the month of September rather than monthly, due to the temporary shutdown of the GWETS. ECs were determined to be in place and functioning as intended except for the following:

• The system was shut down on November 18, 2021 to evaluate the effect on contaminant groundwater concentrations at and downgradient of the source and remained offline for the entirety of 2022. It is anticipated that this evaluation will be conducted for at least 18 months, and the system will remain offline until the groundwater rebound evaluation is complete and the RSO Evaluation Report is finalized.

A comprehensive site inspection was conducted by MACTEC in September 2022, including an evaluation of the visible components of Plant 1. The GWETS building is secure, and the components appeared to be in good working order.

2.2 OPERATIONS & MAINTENANCE

The GWETS system is temporarily shut down and monthly O&M was not conducted in 2022. MACTEC continued to monitor groundwater on a quarterly basis to decide if the GWETS will need to be reactivated and/or decommissioned. If the GWETS is reactivated, the measures necessary to operate, monitor, and maintain the system components of the GWETS are described in the O&M Manual.

2.2.1 Inspection & Monitoring

During the reporting period, the treatment system was inspected during the month of September rather than monthly, due to temporary shutdown of the GWETS (Appendix C).

2.3 LONG TERM MONITORING

The LTM program described in the SMP includes groundwater elevation monitoring, monitoring well inventory and repair, groundwater sampling and analysis, and soil vapor intrusion monitoring. There are currently 20 groundwater monitoring wells at the Site (Figure 1.2). Since January 2016, ten groundwater monitoring locations, designated as MW-4S, MW-4D, MW-5S, MW-7S, MW-7D, MW-8S, MW-9S, MW-9D, MW-12S and MW-101M, have been sampled at 15-month intervals for VOCs (Table 2.2). At the request of the NYSDEC, groundwater samples for PFAS were added to the LTM. The LTM was not conducted during the 2022 calendar year. The next LTM is scheduled for February 2023. Figures and tables associated with 2021 LTM activities are provided in Appendix D.

2.3.1 Groundwater Elevation Monitoring

Groundwater elevation monitoring was not conducted during the 2022 calendar year. This monitoring will coincide with the LTM in February 2023.

2.3.2 Monitoring Well Inventory and Repair

Monitoring well conditions were inspected in September 2022 during the third quarter rebound sampling event. Site inspection records and photographs taken during the inspections are included in Appendix C. The monitoring wells were observed to be in good-to-fair condition. Monitoring well repairs which were recommended in the 2021 PRR were conducted during the 2022 Quarter One site visit and included:

- Repaired (2) monitoring wells to maintain integrity:
 - o Replaced the bolts on monitoring wells MW-3D and MW-3DD.

It was noted during the September 2022 inventory that monitoring wells MW-7S and MW-8 require rethreading to accept new bolts to maintain integrity. The road box threads on monitoring well MW-7D are oval shape and no longer accepted bolts. Monitoring well MW-9D has a broken tab on its road box but still sits flush with grade. It is recommended that a new road box is not needed at this time, and that the wells should continue to be monitored for integrity.

2.3.3 Environmental Sampling and Analysis

The quarterly groundwater rebound evaluation includes collection of groundwater samples from seven monitoring wells and two recovery wells. Samples were submitted to Pace Analytical Laboratories of East Longmeadow, MA for analysis of VOCs via USEPA 8260, sodium via USEPA ICP 6010, and bromide/fluoride via USEPA 300.0.

2.4 SOIL VAPOR INTRUSION MONITORING

The 2022 SMP for the Site establishes a frequency of every three years for conducting SVI monitoring. Sampling includes sub-slab vapor, indoor air, and outdoor air associated with Building 6. This location is adjacent to (and south of) the former source area. The most recent SVI monitoring event conducted on January 8, 2020 included two sub-slab locations, two corresponding indoor air locations, and one outdoor air location. Samples were collected via summa canisters and analyzed via analytical method TO-15 (Aztech, 2020).

The sample results of the January 2020 SVI event were evaluated against the NYSDOH Decision Matrices provided in the <u>Guidance for Evaluating Soil Vapor Intrusion in the State of New York</u>

(NYSDOH, 2006), and associated 2013, 2015, and 2017 addenda. Evaluation of SVI data in accordance with the Decision Matrices suggests that No Further Action is needed based on the concentrations of the identified compounds.

While not included in the reporting period for the PRR, Ssoil vapor intrusion sampling was scheduled to be conducted in February 2023. During the SVI sampling, it was determined that active construction within the building may affect the results of indoor air and sub slab. It is also unlikely that the building is currently being heated. Given the change in conditions within the building, MACTEC recommended that SVI samples not be taken and submitted for analysis until after construction is complete. Until then, samples wouldn't be representative of future occupied conditions. Since the building is currently unoccupied, there are no receptors. The NYSDEC Project Manager was notified via email, and the decision was made to not submit the SVI samples collected for analysis during this event. The findings were summarized in a technical memorandum which was submitted to the NYSDEC PM on March 17, 2023.

2.5 ADDITIONAL SITE ACTIVITIES

Additional Site activities conducted in 2022 are described below.

2.5.1 Groundwater Rebound Evaluation

The April 2021 RSO Evaluation indicated that the site contamination appears to be in small, discontinuous areas within the shallow overburden, and recommended temporary shutdown of the GWETS with comprehensive quarterly monitoring and evaluation of groundwater data to demonstrate that the concentration of contaminants in groundwater are remaining stable near the source and not progressing downgradient of the source (MACTEC, 2021a). In November 2021 a groundwater rebound evaluation was initiated and will continue through June 2023. In 2022, quarterly ground water sampling was conducted for VOCs by USEPA 8260, sodium via USEPA Inductively Coupled Plasma (ICP) 6010, and bromide/fluoride via USEPA 300.0. Groundwater rebound evaluation locations are shown on Figure 2.1. The Groundwater Rebound Evaluation Sample Identification and Analyses Plan shown on Table 2.3. The following activities were completed for the groundwater rebound evaluation (MACTEC 2021b):

February 2022: Supplemental tracer compounds (sodium bromide and sodium fluoride) were added to the recovery wells to reach 1,000 mg/L as scoped is the Field Activities Plan (MACTEC, 2021b). Upon the completion of the groundwater sampling event, it was discovered that the bottleware for Br/F was preserved with sulfuric acid, rather than unpreserved, which is required for these analytes. The groundwater that was collected was unable to be analyzed. The lab and MACTEC chemists confirmed the bottleware provided would invalidate the data. MACTEC recollected the groundwater samples in the March site visit.

March & June 2022: Samples were collected and PBDs were reinstalled every five feet within the screened intervals in monitoring wells MW-5S, MW-7S, MW-7D, MW-12S, MW-12SI, MW-12M, MW-101M and recovery wells RW-1S, RW-2D. Ground water levels were measured in the sampled wells.

September 2022: Samples were collected and submitted to the laboratory. Per discussion with the NYSDEC, the number of PDBs that was installed in each well was reduced; one PBD was reinstalled in monitoring wells MW-5S, MW-7S, MW-7D, MW-12SI, MW-12M, and MW-101M. Two PDBs were installed at monitoring well MW-12S. Recovery well RW-1S was reduced from eight to four PDBs and RW-2D was reduced from six to three PDBs. One PDB was installed in each monitoring well MW-7M1 and MW-7M2. Ground water levels were measured in the sampled wells.

December 2022: Samples were collected and PBDs were reinstalled within the screened intervals in monitoring wells MW-5S, MW-7S, MW-7D, MW-7M1, MW-7M2, MW-12S, MW-12SI, MW-12M, and MW-101M, and in recovery wells RW-1S, RW-2D. MACTEC collected additional samples at RW-1S and RW-2D at the same depths as the PDBs with a peristaltic pump by purging for approximately 30 min and taking water quality readings before collecting samples. Groundwater levels were measured in the sampled wells.

The 2022 quarterly_results were compared to the baseline sampling event completed in November 2021. Quarterly data is presented in Table 2.4 and summarized below.

<u>First Quarter Findings</u>: VOCs were detected at all nine monitoring locations. The concentrations of VOCs at the seven monitoring wells are generally consistent with the November 2021 baseline data. Concentrations of PCE at the recovery wells decreased from the baseline to the first quarterly

event. The compounds were detected at low concentrations in monitoring locations MW-101M, MW-12M, MW-12S, MW-5S, MW-7S, and MW-7D. Detections of tracer compounds during the first quarterly event are below the baseline reporting limits.

<u>Second Quarter Findings</u>: The concentrations of VOCs at the seven monitoring wells were consistent with the baseline and first quarterly sampling events. Analytical results for sodium and fluoride showed low concentrations at one cross gradient monitoring location (MW-5S). Detections of tracer compounds during the second quarterly event are below the baseline reporting limits.

Third Quarter Findings: VOCs were detected at the nine monitoring locations and results were consistent with the previous rebound evaluation sampling results. The concentrations of VOCs at the seven monitoring wells were consistent with the baseline and the first two quarterly sampling events. The concentrations of VOCs show a decreasing trend in one of the two recovery wells (RW-2D). Analytical results for sodium and fluoride showed low concentrations at one cross gradient monitoring location (MW-5S). Detections of tracer compounds during the third quarterly event were below the baseline reporting limits.

<u>Fourth Quarter Findings</u>: VOCs were detected at the ten monitoring locations and results are consistent with the previous rebound evaluation sampling results. The concentrations of VOCs at the seven monitoring wells were consistent with the baseline, first, second, and third quarterly sampling events. Additional samples collected at recovery wells RW-1S and RW-2D at the same depths as the PDBs with a peristaltic pump showed similar concentrations of PCE. This suggests that minimal pumping on the recovery wells does not have an impact on PCE concentrations However, higher pumper over a longer period of time (i.e., when the GWETS was running) may still cause contamination to be pulled from the zone of influence into the wells.

2.5.2 Proposed New Tenant Construction

UB Somers, Inc., the property owner, plans to lease the Site to Tractor Supply in 2023. The Owner has retained Groundwater & Environmental Services, Inc. as an environmental consultant to prepare an Environmental Compliance Workplan and a Soil Characterization Workplan to summarize proposed redevelopment plans for a portion of the Site and define actions that are required for compliance with the SMP. At the request of the NYSDEC, MACTEC will support the NYSDEC by reviewing work plans and any additional documentation as required.

2.5.3 Emerging Contaminant Sampling (PFAS)

At the request of the NYSDEC, PFAS analysis was added to the LTM program (MACTEC, 2022a). The LTM was not conducted in 2022.

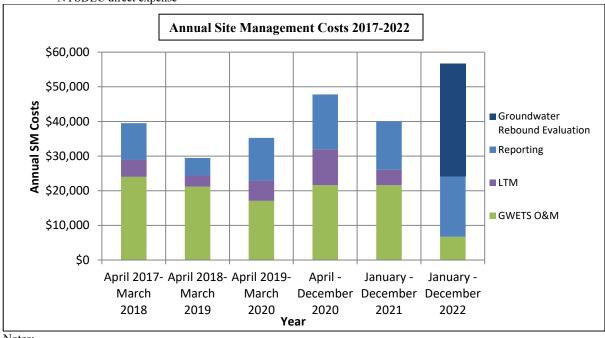
3.0 EVALUATION OF COSTS

A cost summary for the reporting period is provided below. Most of the SM costs are associated with the Groundwater Rebound Evaluation.

2022 Annual Site Management Cost Breakdown			
GWETS OM&M			
MACTEC Labor	\$6,713		
Utilities*	\$2,053		
	\$8,766		
Groundwater Rebound Evaluation			
Labor, Lodging, Travel, and shipping	\$23,607		
Laboratory Services*	\$ 8,962		
	\$32,569		
Reporting, including PRR			
MACTEC Labor	\$17,381		
	\$17,381		
Annual Total:	\$58,716		

NOTES:

*NYSDEC direct expense



Notes:

2017-March 2020: Costs obtained from Aztech PRRs

2017-2018: LTM Costs include Soil Vapor Sampling

2019-2020: LTM Costs include Soil Vapor Sampling and Emergent Contaminant Sampling

2020: Reporting Costs include LTM & Site Inspection Report, Quarterly Reports (Aztech), and PRR

2021: Reporting Costs include LTM & Site Inspection Report, Quarterly Reports (LaBella), and PRR

2022: Reporting Costs include the 2022 SMP, Climate Vulnerability and Sustainability Assessment Report, Quarterly Groundwater Rebound Evaluation Letters, and PRR

4.0 SUSTAINABILITY AND RESILENCY

The following section describes sustainability and resiliency actions that can be taken at the Site based upon the revised NYSDEC DER 31-Green Remediation (NYSDEC, 2011), CP-49-Climate Change and DEC Action (NYSDEC, 2021), and CP-75- DEC Sustainability (NYSDEC, 2022).

4.1 GREEN REMEDIATION

DER-31, revised in January 2011, describes strategies for developing and promoting innovative cleanup while restoring contaminated sites to productive use, promoting environmental stewardship, and reducing associated costs while minimizing ancillary environmental impacts from the cleanups (NYSDEC, 2011).

The following green remediation techniques applicable to SM will be considered for the Site:

- Increase energy efficiency/minimize total energy use and greenhouse gas emissions to the air by replacing equipment, altering operation, or shutting down unnecessary equipment.
- Incorporate sustainability into periodic reviews to identify opportunities to reduce energy and other impacts.

Green remediation actions which will be considered during the ongoing groundwater rebound evaluation associated with the RSO evaluation include:

- Focus on optimization to reduce energy use and time to closure
- Identify opportunities to reduce energy
- Reduce O&M visit frequency

4.2 CLIMATE CHANGE

CP-49 provides the NYSDEC's policy for incorporating climate change considerations into activities to comply with the specific requirements of the Climate Leadership and Community Protection Act of 2019 and the Community Risk and Resilience Act of 2014 (NYSDEC, 2021).

MACTEC submitted a climate vulnerability and sustainability assessment report in October 2022 (MACTEC, 2022b) that describes current and future conditions at the Site vulnerable to climate change and evaluates baseline GHG emissions.

4.3 SUSTAINABILITY

On January 3, 2022, The NYSDEC issued CP-75, a sustainability plan which describes NYSDEC goals for transitioning to lower carbon emissions which will contribute to a future sustainable economy (NYSDEC, 2022).

The policy includes guidance for the following:

- Eliminating greenhouse gasses
- Electrified vehicle fleets
- Energy efficiency in facilities
- Preventative maintenance to existing infrastructure to minimize life-cycle carbon
- Lower emissions while commuting
- Strive for zero waste
- Minimize hazardous materials and chemicals
- Minimize water usage
- Utilize green products and services
- Utilize low carbon equipment and technologies
- Demonstrate sustainable practices and technologies

MACTEC will continue to be cognizant of the new sustainability policy and will incorporate sustainable products, technologies, and equipment when feasible. As the GWETS has been shut down, NYCDEC is using energy only to heat Plant 1 during the colder months, and therefore emissions output from the Site have significantly decreased.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Current SM activities being conducted at the Site are in compliance with the requirements of the Site's SMP, and SM activities are effective in monitoring the status of the following remedial goals established in the ROD:

- Prevent exposure to contaminated soil
- Prevent continued degradation of groundwater quality through migration of PCE and its break down products from soil to groundwater
- Prevent exposure (inhalation, ingestion, and dermal) to contaminated groundwater
- Restore groundwater quality (impacted by PCE and breakdown products) to acceptable levels within a reasonable time frame
- Prevent migration and discharge of site contaminants in groundwater to adjacent surface water bodies.

Restoration of groundwater quality at the Site is ongoing.

5.1 INSTITUTIONAL CONTROLS/ENGINEERING CONTROLS

The current Ics/Ecs are adequate to achieve the objectives for protection of human health and the environment based on current site use. Ics for the Site via deed restriction, including (1) ensuring access to the Site for the unimpeded operation of the EC systems (ground water collection system), (2) restricting future residential use of the Site, and (3) restricting future use of the groundwater, remain in-place and adhered to.

ECs for the Site include a GWETS with two extraction wells, subsurface conveyance piping to Plant 1, controls, utility service connections, and the Plant 1 activated carbon filtration treatment system. During the reporting period, Ecs were determined to be in place and functioning as intended with the exception of those described in Section 2.1. The GWETS was shut down in November 2021 and remained offline through 2022.

During the September 2022 Site Inspection, it was noted that monitoring wells MW-7S and MW-9D were damaged. The road box threads on monitoring well MW-7D are oval shape and no longer

accepted bolts. Monitoring well MW-8S is missing bolts, and monitoring well MW-9D has a broken tab on its road box but still sits flush with grade.

SVI monitoring completed in January 2020 meets the criteria established via the NYSDOH Decision Matrices and their subsequent addenda. The current SVI monitoring program meets the goals of the ROD.

5.2 OPERATION AND MAINTENANCE PLAN

Since November 2021, while the GWETS is temporarily shut down for the groundwater rebound evaluation, O&M has ceased. MACTEC continued to monitor groundwater on a quarterly basis to determine if the GWETS will need to be reactivated and/or decommissioned. If the GWETS will need to be reactivated, the measures necessary to operate, monitor, and maintain the system components of the GWETS are described in the O&M Manual (MACTEC, 2022a).

5.3 LONG TERM MONITORING PLAN

The next LTM sampling event will be conducted in February 2023. Sampling will consist of collecting VOC samples via PDBs (for wells associated with the LTM and quarterly groundwater rebound evaluation), and VOC and PFAS samples associated with solely the LTM will be collected via low flow purging methods.

5.4 EMERGING CONTAMINANT SAMPLING

At the request of the NYSDEC, MACTEC will continue to collect samples from nine on-site monitoring locations during the 2023 LTM sampling event for PFAS analyses.

5.5 SITE MANAGEMENT PLAN

The 2022 SMP was updated to reflect SM changes. Changes to the SMP included the addition of groundwater samples collected for emerging contaminants per- and polyfluoroalkyl substances to the Long-Term Monitoring program, modification of Operation and Maintenance site visit and sampling schedule, shutdown of the GWETS, and addition of quarterly sampling in and near the source area. The SMP will be updated after the completion of the rebound evaluation and future construction at the Site for the new tenant.

5.6 RECOMMENDATIONS

To continue optimizing system efficiency and remedial progress at the Site, the following are recommended.

5.6.1 Institutional Controls/Engineering Controls

Implementation and evaluation of existing IC/ECs should continue. Quarterly groundwater monitoring associated with the temporary shutdown of the GWETS and ongoing groundwater rebound evaluation will continue at the Site through June 2023.

Per the SMP, the conditions warranted the temporary discontinuation of active remediation included contaminant concentrations in groundwater has become asymptotic over an extended period of time.

5.6.2 Operation And Maintenance Plan

The SMP was updated in the April 2022 to reflect the ongoing groundwater rebound evaluation. The SMP will be updated after the completion of the rebound evaluation and future construction at the Site for the new tenant.

5.6.3 Long Term Monitoring Plan

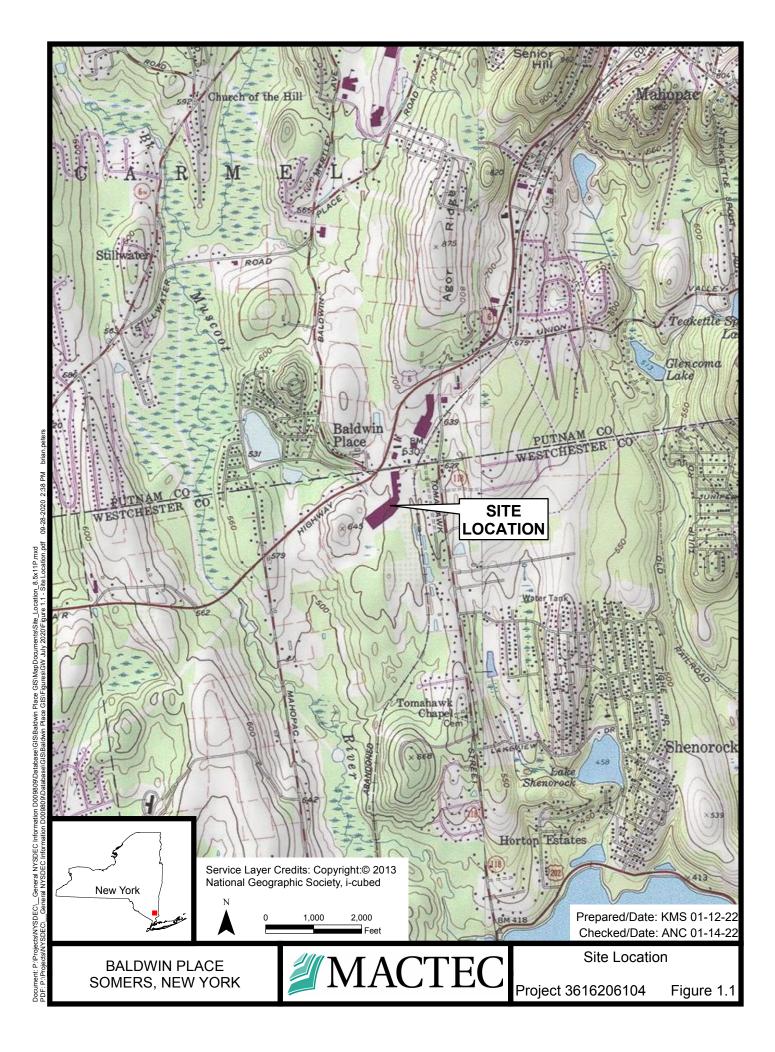
MACTEC recommends the following activities associated with the LTM:

- Replace the bolts on monitoring wells MW-7S and MW-8S to maintain integrity (i.e., reduce potential for precipitation and potentially contaminants from the parking lot to enter the wells).
- Complete LTM sampling utilizing PFAS-free hydrasleeves for monitoring locations associated with the LTM, except for monitoring locations currently utilized in the groundwater rebound evaluation. Utilizing hysdrasleeves will:
 - o Allow for sampling VOCs and PFAS simultaneously during future LTM events
 - Reduce time and costs of sampling (i.e. decrease in equipment required and labor hours spent).

6.0 REFERENCES

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- NYSDEC, 2022. CP-75 DEC Sustainability Policy, Prepared by NYSDEC.
- New York State Department of Health, 2006. Guidance for Evaluating Soil Vapor Intrusion in the State of New York. Prepared by NYSDOH
- Vincent Uhl Associates, 1994. Draft Remedial Investigation Baldwin Place Mall. Prepared for Big V Supermarkets, Inc., Florida, New York.

FIGURES



TABLES

Table 2.1: Site Management Requirements

Component	Action	Required Frequency	Comments/Recommendations
Groundwater Extraction and Treatment System			
GWETS Operation - Checklist	Inspection	Annually	Check water treatment operation: flow rates, meter readings, system components.
Extraction wells	Inspection	Annually	Check extraction wells, housing, control panels.
Ground Water Monitoring System	Inspection	15 Months	Visually inspect well pads/locks at site wells; repair as necessary to maintain integrity and security.
System Performance Monitoring			
Recovery Wells RW-1S and RW-2D	Influent water sampling	Not completed during the Groundwater Rebound Evaluation	Grab sample collected to evaluate and monitor GWETS system performance.
GWETS Performance Sampling	Influent & Effluent water sampling	Not completed during the Groundwater Rebound Evaluation	Grab sample collected from influent, mid-carbon, and effluent to evaluate and monitor GWETS system performance.
Environmental Monitoring			
Groundwater Monitoring Program	Groundwater sampling of 10 wells	15-month sampling interval	Samples collected from 10 on-site monitoring well locations
Unit 6 (former Home Goods) Air Sampling	Air sampling of 5 locations	3-year sampling interval	Air sampling of two sub slab soil vapor points, two indoor air locations, and one ambient (outside) sample location.

Table 2.2: Long Term Monitoring and Analyses Plan

Sample Type	Media	Location ID	Sampling Depth (feet bgs)	Sample ID	VOCs USEPA 8260	PFAS
Monitoring Well Sampling	5					
Monitoring Well	Groundwater	MW-4S	17	360023-MW004S017	1	1
Monitoring Well	Groundwater	MW-4D	75	360023-MW004D075	1	1
Monitoring Well	Groundwater	MW-5S	20	360023-MW005S020	1	
Monitoring Well	Groundwater	MW-7S	17	360023-MW007S017	1	1
Monitoring Well	Groundwater	MW-7D	73	360023-MW007D073	1	1
Monitoring Well	Groundwater	MW-8S	19	360023-MW008S019	1	
Monitoring Well	Groundwater	MW-9S	17	360023-MW009S017	1	1
Monitoring Well	Groundwater	MW-9D	75	360023-MW009D075	1	
Monitoring Well	Groundwater	MW-12S	33	360023-MW012S033	1	1
Monitoring Well	Groundwater	MW-101M	41	360023-MW101M041	1	1
Extraction Well	Groundwater	RW-1S	40	360023-RW001S040		1
Extraction Well	Groundwater	RW-2D	75	360023-RW002D075		1
Trip Blanks						
Trip Blank	DI Water	TB-01	NA	360023-TB01	1	

NOTES:

Sample ID: 360023 = NYSDEC Site No.

USEPA= Unites States Environmetal Protection Agency

USEPA 8260: Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

 $PFAS = Per\mbox{-}and \ Poly\mbox{-}fluoroal kynated \ Substances$

Created by: SEE 1/11/22 Reveiwed by: ANC 1/22/22

		Table 2	.3: Groundy	vater Rebound Evaluatio	n Sample Identi	fication and A	analyses Plan			
						ter through Th Sampling Even		Fourth thro	ıgh Sixth Qua Event	rter Sampling
Sample Type	Media	Location ID	Sampling Depth (feet bgs)	Sample ID	VOCs USEPA 8260	Sodium	Bromide & Fluoride	VOCs USEPA 8260	Sodium	Bromide & Fluoride
Monitoring Well	Groundwater	MW-5S	15	360023-MW005S015	1 1	1	<u> </u>	1	1	1 1
Monitoring Well	Groundwater	MW-5S	20	360023-MW005S020	1	1	1	1	1	1
Monitoring Well	Groundwater	MW-7S	12	360023-MW007S012	1	1	1			
Monitoring Well	Groundwater	MW-7S	17	360023-MW007S017	1	1	1	1	1	1
Monitoring Well	Groundwater	MW-7S	22	360023-MW007S022	1	1	1	1	1	1
Monitoring Well	Groundwater	MW-7D	63	360023-MW007D063	1	1	1			
Monitoring Well	Groundwater	MW-7D	68	360023-MW007D068	1	1	1			
Monitoring Well	Groundwater	MW-7D	73	360023-MW007D073	1	1	1			
Monitoring Well	Groundwater	MW-7D	78	360023-MW007D078	1	1	1			
Monitoring Well	Groundwater	MW-7D	83	360023-MW007D083	1	1	1	1	1	1
Monitoring Well	Groundwater	MW-7D	88	360023-MW007D088	1	1	1	1	1	1
Monitoring Well	Groundwater	MW-7M1	30	360023-MW007M1030	1	1	1	1	1	1
Monitoring Well	Groundwater	MW-7M2	40	360023-MW007M1030	+			1	1	1
Monitoring Well	Groundwater	MW-12S	33	360023-MW012S033	1	1	1	1	1	1
Monitoring Well	Groundwater	MW-12S	38	360023-MW012S038	1	1	1	1	1	1
Monitoring Well	Groundwater	MW-12SI	15	360023-MW012SI015	1	1	1	1	1	1
Monitoring Well	Groundwater	MW-12SI	20	360023-MW012SI020	1	1	1	1	1	1
Monitoring Well	Groundwater	MW-12M	42	360023-MW012M042	1	1	1	1	1	1
Monitoring Well	Groundwater	MW-12M	47	360023-MW012M047	1	1	1	1	1	1
Monitoring Well	Groundwater	MW-101M	41	360023-MW101M041	1	1	1	1	1	1
Monitoring Well	Groundwater	MW-101M MW-101M	46	360023-MW101M046	1	1	1	1	1	1
Extraction Well	Groundwater	RW-18	10	360023-RW001S010	1	1	1			
Extraction Well	Groundwater	RW-1S	15	360023-RW001S015	1	1	1	1	1	1
Extraction Well	Groundwater	RW-1S	20	360023-RW001S020	1	1	1	1	1	1
Extraction Well	Groundwater	RW-1S	25	360023-RW001S025	1	1	1	1	1	1
Extraction Well	Groundwater	RW-1S	30	360023-RW001S030	1	1	1	1	1	1
Extraction Well	Groundwater	RW-1S	35	360023-RW001S035	1	1	1	1	1	1
Extraction Well	Groundwater	RW-1S	40	360023-RW001S040	1	1	1	1	1	1
Extraction Well	Groundwater	RW-1S	45	360023-RW001S045	1	1	1	1	1	1
Extraction Well	Groundwater	RW-15	55	360023-RW001S045	1	1	1	1	1	1 1
Extraction Well	Groundwater	RW-2D	60	360023-RW002D053	1	1	1	1	1	1
Extraction Well	Groundwater	RW-2D	65	360023-RW002D065	1	1	1	1	1	1
Extraction Well	Groundwater	RW-2D	70	360023-RW002D003	1	1	1	1	1	1
Extraction Well	Groundwater	RW-2D	75	360023-RW002D075	1	1	1	1	1	1
Extraction Well	Groundwater	RW-2D	80	360023-RW002D073	1	1	1	1	1	1
Extraction wen	Groundwater	K W - 2D	ου	Trip Bl	anks	1	1	<u> </u>		<u> </u>
Trip Blank	DI Water	TB-01	NA	360023-ТВ01	1 1		Ī	1		T
THP DIGHK	ולם איז water	1D-01	11/71	300023-1 D 01	1		<u> </u>	1		

NOTES:

Sample ID: 360023 = NYSDEC Site No.

USEPA= Unites States Environmetal Protection Agency

USEPA 8260: Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

MACTEC Engineering and Geology, P.C., Project No. 3616206104

				Location	MW-101M	MW-101M	MW-101M	MW-101M	MW-101M	MW-101M
				Depth (ft)	41	41	41	41	41	46
				Sample ID	360023-MW101M041	360023-MW101M041	360023-MW101M041	360023-MW101M041	360023-MW101M041	360023-MW101M046
				Sample Date	11/16/21	03/02/22	06/02/22	09/01/22	12/01/22	11/16/21
				Qc Code	FS	FS	FS	FS	FS	FS
Class	Parameter	GA	GV	Units	Result Qualifier					
Metals	Sodium	20,000	NS	mg/L	93.3	130	130	140	130	112
VOCs	1,1-Dichloroethane	5	NS	ug/L	2 U	1 U	2 U	4 UD	4 U	2 U
VOCs	Acetone	NS	50	ug/L	20 U	50 U	100 U	200 UD	200 U	20 U
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	26	170	250	280 D	210 D	65
VOCs	Cyclohexane	NS	NS	ug/L	2 U					2 U
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	0.36 J	1 U	2 U	4 UD	4 U	2 U
VOCs	Tetrachloroethene	5	NS	ug/L	6.8	6.6	14	19 D	14 D	1.3 J
VOCs	Trichloroethene	5	NS	ug/L	1 J	5.6	9.4	11 D	5.6 D	1.1 J
VOCs	Vinyl chloride	2	NS	ug/L	2.5	4.3	6.2	12 D	2.4 JD	7.6
WC	Bromide	NS	2,000	mg/L	1 U	0.51	0.5 U	0.43	0.48	1 U
WC	Fluoride	1,500	NS	mg/L	0.25 U	0.094 J	0.1 U	0.1 UD	0.1 U	0.25 U

Notes:

GA = New York State Class GA Groundwater Standards

GV = New York State Guidance Values

ug/L = micrograms per liter or parts per billion

mg/L = miligrams per liter

Bold = analyte detected

Shaded = analyte exceeds standard

NS = not specified

Qualifier: \hat{U} = not detected; J = estimated; D = diluted

QC Code: FS = field sample; FD = field duplicate

*sample collected via purging with peristaltic pump

MACTEC Engineering and Geology, P.C., Project No. 3616206104

				Location	MW-10	1M	MW	-101M	MW-	-101M	MW	-12M	MW	-12M	MW	/-12M
				Depth (ft)	46			46	2	16	2	12	2	12	4	42
				Sample ID	360023-MW1	101M046	360023-M	W101M046	360023-M	W101M046	360023-M	W012M042	360023-M	W012M042	360023-M	W012M042
				Sample Date	03/02/2	22	06/	02/22	09/0	1/22	03/0)2/22	06/0)2/22	09/0	01/22
				Qc Code	FS]	FS	I	ES	1	ES	1	FS	l I	FS
Class	Parameter	GA	GV	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Metals	Sodium	20,000	NS	mg/L	140		140)	140		44		23		45	5
VOCs	1,1-Dichloroethane	5	NS	ug/L	1 U	ſ	2	2 U	2	UD	1	U	1	U	1	U
VOCs	Acetone	NS	50	ug/L	2.6 J		100	U	100	UD	2.3	J	50	U	50	U
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	150		220		220	D	1	U	1	U	0.99	J
VOCs	Cyclohexane	NS	NS	ug/L												
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	1 U	ſ	2	2 U	2	UD	1	U	1	U	1	U
VOCs	Tetrachloroethene	5	NS	ug/L	3.6		7.2	2	2	UD	0.68	J	1	J	0.45	5 J
VOCs	Trichloroethene	5	NS	ug/L	6		10)	5.9	D	1	U	0.4	J	0.6	J
VOCs	Vinyl chloride	2	NS	ug/L	4.7		10		15	D	2	U	2	U	2	2 U
WC	Bromide	NS	2,000	mg/L	0.51		10	U	0.43		0.1	U	0.5	U	0.1	U
WC	Fluoride	1,500	NS	mg/L	0.092 J		10	U	0.1	U	0.1	U	0.1	U	0.1	U

Notes:

GA = New York State Class GA Groundwater Standards

GV = New York State Guidance Values

ug/L = micrograms per liter or parts per billion

mg/L = miligrams per liter

Bold = analyte detected

Shaded = analyte exceeds standard

NS = not specified

Qualifier: U = not detected; J = estimated; D = diluted

QC Code: FS = field sample; FD = field duplicate

*sample collected via purging with peristaltic pump

				Location	MW-12M	MW-12M	MW-12M	MW-12M	MW-12S1	MW-12S1
				Depth (ft)	42	47	47	47	15	15
				Sample ID	360023-MW012M042	360023-MW012M047	360023-MW012M047	360023-MW012M047	360023-MW012S1015	360023-MW012S1015
				Sample Date	12/01/22	03/02/22	06/02/22	09/01/22	11/16/21	03/02/22
				Qc Code	FS	FS	FS	FS	FS	FS
Class	Parameter	GA	GV	Units	Result Qualifier	Result Qualifier				
Metals	Sodium	20,000	NS	mg/L	100	62	150	200	36	44
VOCs	1,1-Dichloroethane	5	NS	ug/L	1 U	1 U	1 U	1 U	1 U	1 U
VOCs	Acetone	NS	50	ug/L	50 U	3.2 J	50 U	50 U	10 U	50 U
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	12	1 U	9.0	0.82	1 U	0.55 J
VOCs	Cyclohexane	NS	NS	ug/L					0.93 J	
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	1 U	1 U	1 U	1 U	1 U	1 U
VOCs	Tetrachloroethene	5	NS	ug/L	1 U	0.91 J	1 U	0.82 J	64	31
VOCs	Trichloroethene	5	NS	ug/L	2.6	1 U	2.3	0.57 J	2.2	1.1
VOCs	Vinyl chloride	2	NS	ug/L	0.27 J	2 U	2 U	2 U	1 U	2 U
WC	Bromide	NS	2,000	mg/L	0.1 U	0.36	0.5 U	0.31	0.4 U	0.1 U
WC	Fluoride	1,500	NS	mg/L	0.1 U	0.095 J				

Notes:

GA = New York State Class GA Groundwater Standards

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ug/L = micrograms per liter or parts per billion

mg/L = miligrams per liter

Bold = analyte detected

Shaded = analyte exceeds standard

NS = not specified

Qualifier: U = not detected; J = estimated; D = diluted

QC Code: FS = field sample; FD = field duplicate

*sample collected via purging with peristaltic pump

				Location	MW-12S1	MW-12S1	MW-12S1	MW-12S1	MW-12S1	MW-12S1
				Depth (ft)	15	15	15	20	20	20
				Sample ID	360023-MW012S1015	360023-MW012S1015	360023-MW012S1015	360023-MW012S1020	360023-MW012S1020	360023-MW012S1020
				Sample Date	06/02/22	09/01/22	12/01/22	11/16/21	03/02/22	06/02/22
				Qc Code	FS	FS	FS	FS	FS	FS
Class	Parameter	GA	GV	Units	Result Qualifier					
Metals	Sodium	20,000	NS	mg/L	51	38	47	70.6	53	47
VOCs	1,1-Dichloroethane	5	NS	ug/L	1 U	1 U	1 U	2 U	1 U	1 U
VOCs	Acetone	NS	50	ug/L	50 U	50 U	50 U	20 U	50 U	50 U
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	0.83 J	2.6	2.4	2 U	0.89 J	1
VOCs	Cyclohexane	NS	NS	ug/L				2 U		
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	1 U	1 U	1 U	2 U	1 U	1 U
VOCs	Tetrachloroethene	5	NS	ug/L	46	81	64	65	38	56
VOCs	Trichloroethene	5	NS	ug/L	1.4	3.6	4	2.1	1.4	1.7
VOCs	Vinyl chloride	2	NS	ug/L	2 U	2 U	2 U	2 U	2 U	2 U
WC	Bromide	NS	2,000	mg/L	0.5 U	0.1 U	0.1 U	1 U	0.1 U	0.5 U
WC	Fluoride	1,500	NS	mg/L	0.1 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U

Notes:

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*sample collected via purging with peristaltic pump

				Location	MW-	-12S1	MV	V-12S	MW	7-12S	MW	-12S	MW	7-12S	MV	V-12S
				Depth (ft)	2	0		33] 3	33	3	3	3	3	3	33
				Sample ID	360023-MV	W012S1020	360023-M	IW012S033	360023-MW	012S033DUP	360023-M	W012S033	360023-M	W012S033	360023-M	IW012S033
				Sample Date	09/0	1/22	11/	16/21	11/1	6/21	03/0	2/22	06/0	2/22	09/0	01/22
				Qc Code	F	S]	FS	F	TD d	F	S	I	rs	1	FS
Class	Parameter	GA	GV	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Metals	Sodium	20,000	NS	mg/L	45		46.1				48		45		46	5
VOCs	1,1-Dichloroethane	5	NS	ug/L	1	U	100	U	100	U	40	U	40	U	20) UD
VOCs	Acetone	NS	50	ug/L	50	U	1,000	U	1,000	U	2000	U	2000	U	1000) UD
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	2		100	U	100	U	40	U	40	U	7	JD
VOCs	Cyclohexane	NS	NS	ug/L			100	U	100	U						
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	1	U	100	U	100	U	40	U	40	U	20) UD
VOCs	Tetrachloroethene	5	NS	ug/L	71		3,000		5,000		2100		2400		1900	D
VOCs	Trichloroethene	5	NS	ug/L	2.9		100	U	100	U	40	U	40	U	11	JD
VOCs	Vinyl chloride	2	NS	ug/L	2	U	100	U	100	U	80	U	80	U	40) UD
WC	Bromide	NS	2,000	mg/L	0.1	U	1	U			0.1	U	0.1	U	0.1	U
WC	Fluoride	1,500	NS	mg/L	0.1	U	0.25	U			0.1	U	0.1	U	0.1	U

Notes:

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May 2023

2022 Periodic Review Report NYSDEC - Site No. 360023 MACTEC Engineering and Geology, P.C., Project No. 3616206104

				Location	MW-12S	MW-12S	MW-12S	MW-12S	MW-4D	MW-4D
				Depth (ft)	33	38	38	38	75	75
				Sample ID	360023-MW012S033	360023-MW012S038	360023-MW012S038	360023-MW012S038	360023-MW004D075	360023-MW004D075DUI
				Sample Date	12/01/22	11/16/21	03/02/22	12/01/22	11/17/21	11/17/21
				Qc Code	FS	FS	FS	FS	FS	FD
Class	Parameter	GA	GV	Units	Result Qualifier					
Metals	Sodium	20,000	NS	mg/L	45	44	49	44		
VOCs	1,1-Dichloroethane	5	NS	ug/L	20 U	100 U	20 U	40 U	0.57 J	0.5 J
VOCs	Acetone	NS	50	ug/L	56 JD	1,000 U	2000 U	61 JD	24	26
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	18 J	100 U	10	40 U	1 U	1 U
VOCs	Cyclohexane	NS	NS	ug/L		100 U			1 U	1 U
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	20 U	100 U	20 U	40 U	28	27
VOCs	Tetrachloroethene	5	NS	ug/L	1300 D	6,000	2100	1600 D	1 U	1 U
VOCs	Trichloroethene	5	NS	ug/L	8 JD	100 U	8 J	8 JD	1 U	1 U
VOCs	Vinyl chloride	2	NS	ug/L	40 UD	100 U	40 U	80 U	1 U	1 U
WC	Bromide	NS	2,000	mg/L	0.1 U	1 U	0.1 U	0.1 U		
WC	Fluoride	1,500	NS	mg/L	0.1 U	0.25 U	0.1 U	0.1 U		

Notes:

GA = New York State Class GA Groundwater Standards

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*sample collected via purging with peristaltic pump

MACTEC Engineering and Geology, P.C., Project No. 3616206104

				Location	MW-4S	MW-12S	MW-12S	MW-5S	MW-5S	MW-5S
				Depth (ft)	17	38	38	15	15	15
				Sample ID	360023-MW004S017	360023-MW012S038	360023-MW012S038	360023-MW005S015	360023-MW005S015	360023-MW005S015
				Sample Date	11/17/21	06/02/22	09/01/22	11/16/21	03/02/22	06/02/22
				Qc Code	FS	FS	FS	FS	FS	FS
Class	Parameter	GA	GV	Units	Result Qualifier					
Metals	Sodium	20,000	NS	mg/L		45	47	13.2	5.9	12
VOCs	1,1-Dichloroethane	5	NS	ug/L	1 U	40 U	25 UD	1 U	1 U	1 U
VOCs	Acetone	NS	50	ug/L	10 U	2000 U	1200 UD	10 U	50 U	50 U
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	1 U	40 U	7.8 JD	1 U	1 U	4.4
VOCs	Cyclohexane	NS	NS	ug/L	1 U			0.86 J		
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	1 U	40 U	25 UD	1 U	1 U	1 U
VOCs	Tetrachloroethene	5	NS	ug/L	1 U	2400	2600 D	13	4	2.7
VOCs	Trichloroethene	5	NS	ug/L	1 U	40 U	16 JD	1.8	0.78 J	2.1
VOCs	Vinyl chloride	2	NS	ug/L	1 U	80 U	50 UD	1 U	2 U	2 U
WC	Bromide	NS	2,000	mg/L		0.5 U	0.1 U	0.4 U	0.1 U	0.5 U
WC	Fluoride	1,500	NS	mg/L		0.1 U	0.1 U	0.058 J	0.1	0.1 U

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*sample collected via purging with peristaltic pump

MACTEC Engineering and Geology, P.C., Project No. 3616206104

				Location	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S
				Depth (ft)	15	15	20	20	20	20
				Sample ID	360023-MW005S015	360023-MW005S015	360023-MW005S020	360023-MW005S020	360023-MW005S020	360023-MW005S020
				Sample Date	9/1/2022	12/1/2022	11/16/21 03/02/22		06/02/22	09/01/22
				Qc Code	FS	FS	FS	FS	FS	FS
Class	Parameter	GA	GV	Units	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier
Metals	Sodium	20,000	NS	mg/L	53	74	16.6	5.9	10	58
VOCs	1,1-Dichloroethane	5	NS	ug/L	1 U	1 U	1 U	1 U	1 U	1 U
VOCs	Acetone	NS	50	ug/L	50 U	50 U	10 U	50 U	50 U	50 U
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	13	5	1.8	0.26 J	7.2 J	13
VOCs	Cyclohexane	NS	NS	ug/L			1 U			
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	1 U	1 U	1 U	1 U	1 U	1 U
VOCs	Tetrachloroethene	5	NS	ug/L	0.39 J	6.3	12	3.9	1	1 U
VOCs	Trichloroethene	5	NS	ug/L	1 U	0.87	2.1	0.76 J	2.7	1 U
VOCs	Vinyl chloride	2	NS	ug/L	2 U	2 U	1 U	2 U	2 U	2 U
WC	Bromide	NS	2,000	mg/L	0.1 U	0.1 U	0.4 U	0.1 U	0.5 U	0.1 U
WC	Fluoride	1,500	NS	mg/L	0.1 U	0.1 U	0.06 J	0.1 U	0.1	0.1 U

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MACTEC Engineering and Geology, P.C., Project No. 3616206104

				Location	MW-	7M1	MW	-7M2	MV	V-7D	MV	V-7D	MV	V-7D	MV	V-7D
				Depth (ft)	30	0	2	40	(63	(63	(63	(63
				Sample ID	360023-MW	/007M1030	360023-MV	W007M2030	360023-M	W007D063	360023-M	W007D063	360023-M	W007D063	360023-M	W007D063
				Sample Date	12/01	1/22	12/0)1/22	11/1	16/21	03/0	02/22	06/0	02/22	09/0)1/22
				Qc Code	FS	S	1	FS] 1	FS	I	FS] 1	FS	I	FS
Class	Parameter	GA	GV	Units	Result	`		Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Metals	Sodium	20,000	NS	mg/L	520	520 D			71.6		72		64		72	
VOCs	1,1-Dichloroethane	5	NS	ug/L	1 U		1	U	2	U	1	U	1	U	1	U
VOCs	Acetone	NS	50	ug/L	50 U		6.6	J	20	U	50	U	50	U	50	U
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	1 1	U	1	U	7.2		4.4		2.7		4.6	
VOCs	Cyclohexane	NS	NS	ug/L					2	U						
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	1 1	U	1	U	2	U	1	U	1	U	1	U
VOCs	Tetrachloroethene	5	NS	ug/L	4.5		1	U	2	U	1	U	1	U	1	U
VOCs	Trichloroethene	5	NS	ug/L	0.75 .	J	1	U	4.6)	2.1		1.4		1.6	
VOCs	Vinyl chloride	2	NS	ug/L	2 1	U	2	U	2	UJ	2	U	2	U	2	U
WC	Bromide	NS	2,000	mg/L	0.1 \	U	0.55		2	U	0.68		0.5	U	0.49	
WC	Fluoride	1,500	NS	mg/L	0.1 \	U	0.1	U	0.5	U	0.094	J	0.1	U	0.1	U

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*sample collected via purging with peristaltic pump

MACTEC Engineering and Geology, P.C., Project No. 3616206104

				Location	MW-7	7 D	MV	V-7D	MV	V-7D	MV	V-7D	MV	V-7D	MV	V-7D
				Depth (ft)	68		(8	(68	6	58	7	'3	7	73
				Sample ID	360023-MW	007D068	360023-M	W007D068	360023-M	W007D068	360023-M	W007D068	360023-M	W007D073	360023-M	W007D073
				Sample Date	11/16/2	21	03/0	2/22	06/0	02/22	09/0	1/22	11/1	6/21	03/0	02/22
				Qc Code	Result Qualifier] 1	r S	I	FS	F	7S	I	'S	I	F S
Class	Parameter	GA	GV	Units	•		Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Metals	Sodium	20,000	NS	mg/L	70.6		76		67	,	75		74.6		83	•
VOCs	1,1-Dichloroethane	5	NS	ug/L	1 U		1	U	1	U	1	U	1	U	1	U
VOCs	Acetone	NS	50	ug/L	10 U		50	U	50	U	50	U	10	U	5.8	J
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	7.4		3.3		2.5		3.7		3.3		5.8	
VOCs	Cyclohexane	NS	NS	ug/L	1 U	ſ							1	U		
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	1 U	ſ	1	U	1	U	0.22	J	1	U	1	U
VOCs	Tetrachloroethene	5	NS	ug/L	1 U	ſ	1	U	1	U	1	U	1	U	1	U
VOCs	Trichloroethene	5	NS	ug/L	4.4		1.4		0.94	J	1.1		2.0		2	
VOCs	Vinyl chloride	2	NS	ug/L	1 U	ſ	2	U	2	U	2	U	1	U	2	U
WC	Bromide	NS	2,000	mg/L	2 U	ſ	0.67		0.5	U	0.53		2	U	0.67	'
WC	Fluoride	1,500	NS	mg/L	0.5 U	ſ	0.098	J	0.1	U	0.1	U	0.5	U	0.1	

Notes:

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*sample collected via purging with peristaltic pump

				Location	MW-7D	MW-7D	MW-7D	MW-7D	MW-7D	MW-7D	MW-7D
				Depth (ft)	73	73	78	78	78	78	78
				Sample ID	360023-MW007D073	360023-MW007D073	360023-MW007D078	360023-MW007D078	360023-MW007D078DUP	360023-MW007D078	360023-MW007D078DUP
				Sample Date	06/02/22	09/01/22	11/16/21	03/02/22	03/02/22	06/02/22	06/02/22
				Qc Code	FS	FS	FS	FS	FD	FS	FD
Class	Parameter	GA	GV	Units	Result Qualifier	Result Qualifier	Result Qualifier				
Metals	Sodium	20,000	NS	mg/L	70	73	78.9	84		86	
VOCs	1,1-Dichloroethane	5	NS	ug/L	1 U	1 U	2 U	1 U	1 U	1 U	1 U
VOCs	Acetone	NS	50	ug/L	50 U	50 U	20 U	5.1 J	11 J	50 J	50 U
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	3.8	3.8	7.7	2.7	6.4	4.6	5.4
VOCs	Cyclohexane	NS	NS	ug/L			2 U				
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	1 U	0.24 J	2 U	1 U	1 U	1 U	0.19
VOCs	Tetrachloroethene	5	NS	ug/L	1 U	1 U	2 U	1 U	1 U	1 U	1 U
VOCs	Trichloroethene	5	NS	ug/L	1.3	1.1	3.0	1.1	1.9	1.3	1.3
VOCs	Vinyl chloride	2	NS	ug/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
WC	Bromide	NS	2,000	mg/L	0.5 U	0.52	2 U	0.64		0.5 U	
WC	Fluoride	1,500	NS	mg/L	0.1 U	0.1 U	0.5 U	0.1		0.1 U	

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				Location	MV	V-7D	MV	V-7D	MW	/-7D	MV	/-7D	MW	'-7D	MW	7-7D	MV	W-7D
				Depth (ft)	•	78	,	78	8	3	8	3	8	3	8	3	:	83
				Sample ID	360023-M	W007D078	360023-MW	007D078DUP	360023-M	W007D083	360023-M	W007D083	360023-MV	W007D083	360023-M	W007D083	360023-M	IW007D083
				Sample Date	09/0	01/22	09/0	01/22	11/1	6/21	03/0	2/22	06/0	2/22	09/0	1/22	12/0	01/22
				Qc Code	F	F D	I	F D	F	S	F	'S	F	S	F	S]	FS
Class	Parameter	GA	GV	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Metals	Sodium	20,000	NS	mg/L	79				80.4		90		72		89		87	1
VOCs	1,1-Dichloroethane	5	NS	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
VOCs	Acetone	NS	50	ug/L	50	U	50	U	10	U	6.7	J	50	U	50	U	50) U
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	4.1		4.1		5.9		5.3		2.7		5		4.6	•
VOCs	Cyclohexane	NS	NS	ug/L					1	U								
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	0.22	J	1	U	1	U	1	U	1	U	0.23	J	0.24	. J
VOCs	Tetrachloroethene	5	NS	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
VOCs	Trichloroethene	5	NS	ug/L	0.76	J	0.84	J	3.0		1.6		0.9		1.1		0.7	/ J
VOCs	Vinyl chloride	2	NS	ug/L	2	U	2	U	1	U	2	U	2	U	2	U	2	2 U
WC	Bromide	NS	2,000	mg/L	0.47				2	U	0.66		0.5	U	0.49		0.55	•
WC	Fluoride	1,500	NS	mg/L	0.1	U			0.5	U	0.11		0.1	U	0.1	U	0.1	U

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*sample collected via purging with peristaltic pump

MACTEC Engineering and Geology, P.C., Project No. 3616206104

				Location	MW-7D		MW-7D		MW	-7D	MW	-7D	MW	V-7S	MV	V-7S
				Depth (ft)	88		88		88	3	8	8	1	2	1	12
				Sample ID	360023-MW00'	7D088	360023-MW007D08	38	360023-MV	V007D088	360023-MV	W007D088	360023-M	W007S012	360023-M	W007S012
				Sample Date	11/16/21		03/02/22		06/02	2/22	09/0	1/22	11/1	6/21	03/0	02/22
				Qc Code	FS		FS		FS	S	F	S	F	S	F	FS
Class	Parameter	GA	GV	Units	Result Qu	ıalifier	Result Qualifi	er	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Metals	Sodium	20,000	NS	mg/L	80.2		88		76		87		425		610	
VOCs	1,1-Dichloroethane	5	NS	ug/L	1 U		1 U		1	U	1	U	1	U	1	U
VOCs	Acetone	NS	50	ug/L	1 U 10 U		6.9 J		50	U	50	U	10	U	50	U
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	5.2		6.4		5.9		6.0		1	U	1	U
VOCs	Cyclohexane	NS	NS	ug/L	0.89 J								1	U		
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	0.17 J		1 U		1	U	0.21	J	1	U	1	U
VOCs	Tetrachloroethene	5	NS	ug/L	1 U		1 U		1 7	U	1	U	2.5		4.6	
VOCs	Trichloroethene	5	NS	ug/L	2.2		1.6		1.1		0.72	J	1	U	0.63	J
VOCs	Vinyl chloride	2	NS	ug/L	1 U		2 U		2 1	U	2	U	1	U	2	U
WC	Bromide	NS	2,000	mg/L	2 U		0.66		0.5	U	0.55		1	U	0.44	
WC	Fluoride	1,500	NS	mg/L	0.5 U		0.1		0.1	U	0.1	U	0.25	U	0.1	U

Notes:

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NS = not specified

Qualifier: U = not detected; J = estimated; D = diluted

QC Code: FS = field sample; FD = field duplicate

*sample collected via purging with peristaltic pump

				Location	MW-7S	MW-7S	MW-7S	MW-7S	MW-7S	MW-7S
				Depth (ft)	12	12	17	17	17	17
				Sample ID	360023-MW007S012	360023-MW007S012	360023-MW007S017	360023-MW007S017	360023-MW007S017	360023-MW007S017
				Sample Date	06/02/22	09/01/22	11/16/21	03/02/22	06/02/22	12/01/22
				Qc Code	FS	FS	FS	FS	FS	\mathbf{FS}
Class	Parameter	GA	GV	Units	Result Qualifier					
Metals	Sodium	20,000	NS	mg/L	720	750 D	495	580	740	690
VOCs	1,1-Dichloroethane	5	NS	ug/L	1 U	1 U	1 U	1 U	1 U	1 U
VOCs	Acetone	NS	50	ug/L	50 U	2.2 J	10 U	50 U	50 U	50 U
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	1 U	1 U	1 U	1 U	1 U	1 U
VOCs	Cyclohexane	NS	NS	ug/L			1.4			
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	1 U	1 U	1 U	1 U	1 U	1 U
VOCs	Tetrachloroethene	5	NS	ug/L	5.4	4.1	5	4.6	6.5	5.4
VOCs	Trichloroethene	5	NS	ug/L	1 U	0.28 J	1.3	0.62 J	0.44 J	1 U
VOCs	Vinyl chloride	2	NS	ug/L	2 U	2 U	1 U	2 U	2 U	2 U
WC	Bromide	NS	2,000	mg/L	0.5 U	0.32	2 U	0.45	0.5 U	0.1 U
WC	Fluoride	1,500	NS	mg/L	0.1 U	0.1 U	0.5 U	0.1 U	0.1 U	0.1 U

Notes:

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*sample collected via purging with peristaltic pump

				Location	MW-8S	MW-9S	MW-9S	MW-7S	MW-7S	MW-7S
				Depth (ft)	19	17	75	17	22	22
				Sample ID	360023-MW0083019	360023-MW009S017	360023-MW009S075	360023-MW007S017	360023-MW007S022	360023-MW007S022
				Sample Date	11/18/21	11/17/21	11/17/21	09/01/22	11/16/21	03/02/22
				Qc Code	FS	FS	FS	FS	FS	FS
Class	Parameter	GA	GV	Units	Result Qualifier					
Metals	Sodium	20,000	NS	mg/L				790	721	660
VOCs	1,1-Dichloroethane	5	NS	ug/L	1 U	1 U	1 U	1 U	1 U	1 U
VOCs	Acetone	NS	50	ug/L	16	13	17	50 U	10 U	50 U
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	1 U	3.8	1.2	0.23 J	1 U	1 U
VOCs	Cyclohexane	NS	NS	ug/L	1.1	1 U	0.88 J		1.5	
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	1 U	0.29 J	1.1	1 U	1 U	1 U
VOCs	Tetrachloroethene	5	NS	ug/L	1 U	23	0.66 J	4.5	4.9	5.1
VOCs	Trichloroethene	5	NS	ug/L	1 U	4.2	3.5	1.6	1 U	0.25 J
VOCs	Vinyl chloride	2	NS	ug/L	1 U	1 U	1 U	2 U	1 U	2 U
WC	Bromide	NS	2,000	mg/L				0.37	4 U	0.6
WC	Fluoride	1,500	NS	mg/L				0.1 U	1 U	0.1 U

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*sample collected via purging with peristaltic pump

MACTEC Engineering and Geology, P.C., Project No. 3616206104

				Location	MW-7S	MW-7S	RW-1S	RW-1S	RW-1S	RW-1S
				Depth (ft)	22	22	10	10	10	15
				Sample ID	360023-MW007S022	360023-MW07S022	360023-RW001S010	360023-RW001S010	360023-RW001S010	360023-RW001S015
				Sample Date	06/02/22	09/01/22	03/02/22	06/02/22	09/01/22	03/02/22
				Qc Code	FS	FS	FS	FS	FS	\mathbf{FS}
Class	Parameter	GA	GV	Units	Result Qualifier					
Metals	Sodium	20,000	NS	mg/L	750	770 D	2500	27	13	2300
VOCs	1,1-Dichloroethane	5	NS	ug/L	1 U	1 U	1 U	1 U	1 U	1 U
VOCs	Acetone	NS	50	ug/L	50 U	50 U	9.8 J	2.5 J	50 U	9.1 J
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	1 U	1 U	44	11	18	43
VOCs	Cyclohexane	NS	NS	ug/L						
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	1 U	1 U	1 U	1 U	1 U	1 U
VOCs	Tetrachloroethene	5	NS	ug/L	6.0	5.2	120	77	26	130
VOCs	Trichloroethene	5	NS	ug/L	1 U	1 U	7.5	2.1	0.94 J	7.5
VOCs	Vinyl chloride	2	NS	ug/L	2 U	2 U	2 U	2 U	2 U	2 U
WC	Bromide	NS	2,000	mg/L	0.5 U	0.52	0.86	0.5 U	0.1 U	0.72
WC	Fluoride	1,500	NS	mg/L	0.1 U	0.1 U	1700	5.2	3.9	1600

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*sample collected via purging with peristaltic pump

MACTEC Engineering and Geology, P.C., Project No. 3616206104

				Location	RW-1S	RW-1S	RW-1S	RW-1S	RW-1S	RW-1S
				Depth (ft)	15	15	15	15	20	20
				Sample ID	360023-RW001S015	360023-RW001S015	360023-RW001S015	360023-RW001S015P*	360023-RW001S020	360023-RW001S020
				Sample Date	06/02/22	09/01/22	12/01/22	12/01/22	03/02/22	06/02/22
				Qc Code	FS	FS	FS	FS	FS	FS
Class	Parameter	GA	GV	Units	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier
Metals	Sodium	20,000	NS	mg/L	29	18	24		1900	26
VOCs	1,1-Dichloroethane	5	NS	ug/L	1 U	2 UD	2 U	2 U	1 U	2 U
VOCs	Acetone	NS	50	ug/L	100 U	100 UD	100 U	100 U	9.3 J	100 U
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	44	66 D	54	34	44	49
VOCs	Cyclohexane	NS	NS	ug/L						
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	2 U	2 UD	2 U	2 U	1 U	2 U
VOCs	Tetrachloroethene	5	NS	ug/L	210	150 D	180	180	140	260
VOCs	Trichloroethene	5	NS	ug/L	9.6	13 D	11	11	8	12
VOCs	Vinyl chloride	2	NS	ug/L	4 U	4 UD	4 U	4 U	2 U	4 U
WC	Bromide	NS	2,000	mg/L	0.5 U	0.1 U	0.1 U	0.1 U	0.56	0.5 U
WC	Fluoride	1,500	NS	mg/L	5.2	2.2	1.4	1.4	1300	5.1

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MACTEC Engineering and Geology, P.C., Project No. 3616206104

				Location	RW-	-1S	RV	V-1S	RV	V-1S	RW	7-1S	RV	V-1S	RV	W-1S
				Depth (ft)	20)		25	2	25	2	5		25		25
				Sample ID	360023-RW	V001S020	360023-R	W001S025	360023-R	W001S025	360023-R	W001S025	360023-R	W001S025	360023-RV	W001S025P*
				Sample Date	09/01	/22	03/	02/22	06/0)2/22	09/0	1/22	12/0	1/22	12/	01/22
				Qc Code	FS	S]	FS	I	FS .	F	S	1	FS .		FS
Class	Parameter	GA	GV	Units	Result	•		Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Metals	Sodium	20,000	NS	mg/L	28		1600)	33		31		32			
VOCs	1,1-Dichloroethane	5	NS	ug/L	2 UD		1	U	2	U	4	UD	4		۷	4 U
VOCs	Acetone	NS	50	ug/L	100 UD		7.8	3 J	100	U	200	UD	17		15	5
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	98 I	D	45	5	45		68	D	59		55	5
VOCs	Cyclohexane	NS	NS	ug/L												
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	2 U	UD	1	U	2	U	4	UD	4	U	۷	1 U
VOCs	Tetrachloroethene	5	NS	ug/L	240 I	D	140		240		270	D	230		220)
VOCs	Trichloroethene	5	NS	ug/L	23 I	D	7.9	•	12		16	D	15		13	3
VOCs	Vinyl chloride	2	NS	ug/L	4 U	UD	2	. U	4	U	8	UD	8	U	8	3 U
WC	Bromide	NS	2,000	mg/L	0.1 U	U	0.49)	0.5	U	0.1	U	0.1	U		
WC	Fluoride	1,500	NS	mg/L	3.3		1100		5.1		3.6		2			

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*sample collected via purging with peristaltic pump

MACTEC Engineering and Geology, P.C., Project No. 3616206104

				Location	RW-1	IS	RW-	·1S	RV	V-1S	RW	V-1S	RV	V-1S	RV	V-1S
				Depth (ft)	30		30)	3	30	3	35	3	35	3	35
				Sample ID	360023-RW(001S030	360023-RV	V001S030	360023-R	W001S030	360023-R	W001S035	360023-R	W001S035	360023-R	W001S035
				Sample Date	03/02/2	22	06/02	2/22	09/0	01/22	03/0	2/22	06/0	2/22	09/0	01/22
				Qc Code	FS		FS	3	I	FS	F	FS	I	Γ S	I	F S
Class	Parameter	GA	GV	Units	Result Qualifier		Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Metals	Sodium	20,000	NS	mg/L	1400		32		40		1600		33		37	,
VOCs	1,1-Dichloroethane	5	NS	ug/L	1 U		2 1	J	2	UD	1	U	2	U	2	UD
VOCs	Acetone	NS	50	ug/L	1 U 12 J		4.1 .	J	100	UD	8.4	J	100	U	100	UD
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	45		44		63	D	44		44		70	D
VOCs	Cyclohexane	NS	NS	ug/L												
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	1 U		2 1	J	2	UD	1	U	2	U	2	UD
VOCs	Tetrachloroethene	5	NS	ug/L	140		230		250	D	130		250		260	D
VOCs	Trichloroethene	5	NS	ug/L	7.7		11		16	D	7.6		12		17	' D
VOCs	Vinyl chloride	2	NS	ug/L	2 U	-	4 1	J	4	UD	2	U	4	U	4	· UD
WC	Bromide	NS	2,000	mg/L	0.46		0.5 t	J	0.1	U	0.63		0.5	U	0.1	U
WC	Fluoride	1,500	NS	mg/L	910		5.1		4.2		1100		5.4		4.2	}

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				Location	RV	V-1S	R	W-1S	RV	V-1S	RW-1S		RV	V-1S	RV	V-1S
				Depth (ft)	3	35		40	40		40		40			40
				Sample ID	360023-RV	V001S035P*	360023-I	RW001S040	360023-R	W0015040	360023-R	W001S040	360023-R	W001S040	360023-R	W001S040
				Sample Date	12/0	01/22	11.	18/21	02/0	08/22	03/0	2/22	06/02/22		09/0	01/22
				Qc Code	I	F S		FS	I	FS	F	S	1	FS] 1	FS
Class	Parameter	GA	GV	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Metals	Sodium	20,000	NS	mg/L			16	8	2000)	1400		33		40)
VOCs	1,1-Dichloroethane	5	NS	ug/L	4	· U					1	U	2	U	2	. UD
VOCs	Acetone	NS	50	ug/L	16	· •					28	J	100	U	100	UD
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	57	•					45		44		65	5 D
VOCs	Cyclohexane	NS	NS	ug/L												
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	4	· U					1	U	2	U	2	UD
VOCs	Tetrachloroethene	5	NS	ug/L	240						130		220		260	D
VOCs	Trichloroethene	5	NS	ug/L	14						7.7		10		16	5 D
VOCs	Vinyl chloride	2	NS	ug/L	8	U					2	U	4	U	4	UD
WC	Bromide	NS	2,000	mg/L				1 U	1.8		0.49		0.5	U	0.1	U
WC	Fluoride	1,500	NS	mg/L			8.	1	1700		890		5.5		4.1	÷

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*sample collected via purging with peristaltic pump

MACTEC Engineering and Geology, P.C., Project No. 3616206104

				Location	RW	-1S	RW	-1S	RV	V-1S	RV	V-1S	RV	V-1S	RW	V-2D
				Depth (ft)	45	45		45		45		45		45		55
				Sample ID	360023-RV	W001S045	360023-RV	V001S045	360023-R	W001S045	360023-RW001S045		360023-RW001S045P*		360023-R	W002D055
				Sample Date	03/02	2/22	06/0	2/22	09/0	01/22	12/0	1/22	12/	01/22	03/0	02/22
				Qc Code	FS	S	F	S	I	FS	I	FS]	FS	I	FS
Class	Parameter	GA	GV	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Metals	Sodium	20,000	NS	mg/L	1600		46		41		48				310)
VOCs	1,1-Dichloroethane	5	NS	ug/L	1	U	2	U	2	UD	4	U	4	ł U	50) U
VOCs	Acetone	NS	50	ug/L	7.9	J	100	U	100	UD	15		15	5	2500) U
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	46		42		72	D	64		71		3300	į.
VOCs	Cyclohexane	NS	NS	ug/L												
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	1	U	2	U	2	UD	4	U	0.76	5 J	50) U
VOCs	Tetrachloroethene	5	NS	ug/L	65		220		280	D	270		250		30	J
VOCs	Trichloroethene	5	NS	ug/L	5.5		10		18	D	19		21		18	J
VOCs	Vinyl chloride	2	NS	ug/L	2	U	4	U	4	UD	8	U	8	B U	100	U
WC	Bromide	NS	2,000	mg/L	0.59		0.5	U	0.1	U	0.1	U			740)
WC	Fluoride	1,500	NS	mg/L	1100		6.2		4.1		3.7				1.4	ŀ

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MACTEC Engineering and Geology, P.C., Project No. 3616206104

				Location	RW-2D		RV	W-2D	RW	V-2D	RV	V-2D	RV	/-2D	RV	V-2D
				Depth (ft)	55	55		55		55		55	60		(60
				Sample ID	360023-RW002	D055	360023-F	RW002D055	360023-R	W002D055	360023-RV	V002D055P*	360023-RW002D060		360023-R	W002D060
				Sample Date	06/02/22		09/	01/22	12/0	01/22	12/0	01/22	03/0	2/22	06/0	02/22
				Qc Code	FS			FS	I	FS] 1	FS	1	7S	I	FS
Class	Parameter	GA	GV	Units	Result Qua	alifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Metals	Sodium	20,000	NS	mg/L	200		30	0	45	,			300		210	
VOCs	1,1-Dichloroethane	5	NS	ug/L	5 U		2:	5 UD	50	U	50	U	40	U	5	U
VOCs	Acetone	NS	50	ug/L	250 U		1200) UD	140)	140		2000	U	12	
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	580 D		240	0 D	3300		3700		3500		590	
VOCs	Cyclohexane	NS	NS	ug/L												
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	5 U		2:	5 UD	50	U	50	U	40	U	5	U
VOCs	Tetrachloroethene	5	NS	ug/L	2.6 J		2:	5 UD	50	U	36		19	J	5.7	,
VOCs	Trichloroethene	5	NS	ug/L	5 U		2:	5 UD	50	U	50	U	15	J	5	U
VOCs	Vinyl chloride	2	NS	ug/L	100 UD		52	2 D	67	J	74	J	80	U	10	U
WC	Bromide	NS	2,000	mg/L	163		9.	3 D	7				770		154	
WC	Fluoride	1,500	NS	mg/L	0.95		0.13	3	0.12	r			1.3		0.94	

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MACTEC Engineering and Geology, P.C., Project No. 3616206104

				Location	RW-2D	RW-2D	RW-2D	RW-2D	RW-2D	RW-2D
				Depth (ft)	60	65	65	65	65	65
				Sample ID	360023-RW002D060	360023-RW002D065	360023-RW002D065	360023-RW002D065	360023-RW002D065	360023-RW002D065P*
				Sample Date	09/01/22	03/02/22	06/03/22	09/01/22	12/01/22	12/01/22
				Qc Code	FS	FS	FS	FS	FS	FS
Class	Parameter	GA	GV	Units	Result Qualifier					
Metals	Sodium	20,000	NS	mg/L	31	290	210	29	37	
VOCs	1,1-Dichloroethane	5	NS	ug/L	2 UD	10 U	5 U	2 UD	10 U	4 U
VOCs	Acetone	NS	50	ug/L	14 JD	37 J	250 U	20 JD	22 J	16 J
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	58 D	3300	540	87 D	760	320
VOCs	Cyclohexane	NS	NS	ug/L						
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	2 UD	10 U	5 U	2 UD	10 U	1.3
VOCs	Tetrachloroethene	5	NS	ug/L	1.9 JD	15	7.4	2 UD	10 U	1.5 J
VOCs	Trichloroethene	5	NS	ug/L	2 UD	12 D	5 U	2 UD	10 U	4 U
VOCs	Vinyl chloride	2	NS	ug/L	16 D	20 U	10 U	13 D	28	32
WC	Bromide	NS	2,000	mg/L	8.9 D	760	177	8.3 D	29	
WC	Fluoride	1,500	NS	mg/L	0.13	1.3	0.94	0.14	0.17	

Notes:

GA = New York State Class GA Groundwater Standards

GV = New York State Guidance Values

ug/L = micrograms per liter or parts per billion

mg/L = miligrams per liter

Bold = analyte detected

Shaded = analyte exceeds standard

NS = not specified

Qualifier: U = not detected; J = estimated; D = diluted

QC Code: FS = field sample; FD = field duplicate

*sample collected via purging with peristaltic pump

MACTEC Engineering and Geology, P.C., Project No. 3616206104

		Location		Location	RW-2	2D	RW	-2D	RW	V-2D	RW	V-2D	RV	V-2D	RV	V-2D
				Depth (ft)	70	70		70		70		75	75		75	
				Sample ID	360023-RW	002D070	360023-R	W002D070	360023-R	W002D070	360023-R	W002D075	360023-R	W002P075	360023-R	W002D075
				Sample Date	03/02/	/22	06/0	2/22	09/0)1/22	11/1	18/21	02/	08/22	03/0	02/22
				Qc Code	FS	;	I	S	F	ES	I	ES]	FS]	FS
Class	Parameter	GA	GV	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Metals	Sodium	20,000	NS	mg/L	300		210		30		89.8		490)	300)
VOCs	1,1-Dichloroethane	5	NS	ug/L	10 U	JD	5	U	2	UD					40) UD
VOCs	Acetone	NS	50	ug/L	40 J	D	250	U	12	JD					2000) UD
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	3200 D)	580		89	D					2800	
VOCs	Cyclohexane	NS	NS	ug/L												
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	10 U	JD	10	UD	2	UD					40) UD
VOCs	Tetrachloroethene	5	NS	ug/L	14		3.5		2	UD					19	
VOCs	Trichloroethene	5	NS	ug/L	11 D)	5	U	2	UD					14	L .
VOCs	Vinyl chloride	2	NS	ug/L	20 U	ЛD	10	U	24	D					80) UD
WC	Bromide	NS	2,000	mg/L	730		163		8.1	D	437		720	D	730)
WC	Fluoride	1,500	NS	mg/L	1.3		0.93		0.14		0.25	U	1.7	1	1.3	}

Notes:

GA = New York State Class GA Groundwater Standards

GV = New York State Guidance Values

ug/L = micrograms per liter or parts per billion

mg/L = miligrams per liter

Bold = analyte detected

Shaded = analyte exceeds standard

NS = not specified

Qualifier: U = not detected; J = estimated; D = diluted

QC Code: FS = field sample; FD = field duplicate

*sample collected via purging with peristaltic pump

Table 2.4: Groundwater Rebound Evaluation VOC Analytical Results

NYSDEC - Site No. 360023 MACTEC Engineering and Geology, P.C., Project No. 3616206104

2022 Periodic Review Report

				Location	RW-	-2D	RV	V-2D	RW	-2D	RV	/-2D	I	RW-2D	RW	V-2D	RV	V-2D
				Depth (ft)	75	5	,	75	7	5	1	75		80	8	30	8	80
				Sample ID	360023-RW	V002D075	360023-R	W002D075	360023-RV	W002D075	360023-RV	/002D075P*	360023	-RW002D080	360023-R	W002D080	360023-R	W002D080
				Sample Date	06/02	2/22	09/	01/22	12/0	1/22	12/0	1/22	0	3/02/22	06/0	02/22	09/0	01/22
				Qc Code	FS	S]	FS	F	S] 1	7S		FS	I	FS	I	FS
Class	Parameter	GA	GV	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Metals	Sodium	20,000	NS	mg/L	210		29)	38				3	80	200		30	
VOCs	1,1-Dichloroethane	5	NS	ug/L	5 U	U	2	2 UD	10	U	2	U		40 UD	5	U	2	UD
VOCs	Acetone	NS	50	ug/L	250 U	U	11	l JD	24		100	U	20	000 UD	250	U	16	JD
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	560		140) D	1100		92		28	800	560		100	D
VOCs	Cyclohexane	NS	NS	ug/L														
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	5 U	UD	2	2 UD	10	U	0.58			40 UD	5	U	2	UD
VOCs	Tetrachloroethene	5	NS	ug/L	5 U	U	2	2 UD	10	U	2	U		16	5	U	2	UD
VOCs	Trichloroethene	5	NS	ug/L	5 U	U	2	2 UD	10	U	2	U		12	5	U	2	UD
VOCs	Vinyl chloride	2	NS	ug/L	10 U	U	28	B D	31	D	23			80 UD	10	U	28	D
WC	Bromide	NS	2,000	mg/L	175		9) D	30				11	00	187		8.7	D
WC	Fluoride	1,500	NS	mg/L	0.95		0.14	ı	0.17				2	2.1	1.2		0.14	

Notes:

GA = New York State Class GA Groundwater Standards

GV = New York State Guidance Values

ug/L = micrograms per liter or parts per billion

mg/L = miligrams per liter

Bold = analyte detected

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NS = not specified

Qualifier: \hat{U} = not detected; J = estimated; D = diluted

QC Code: FS = field sample; FD = field duplicate

*sample collected via purging with peristaltic pump

APPENDICES

APPENDIX A ENGINEERING CONTROLS STANDBY CONSULTANT/CONTRACTOR CERTIFICATION FORM



Enclosure 1 Engineering Controls - Standby Consultant/Contractor Certification Form



Site No. 360023	Site Details		Box 1
Site Name Baldwin Place	Shopping Center (now Somers Commons)		
Site Address: 80 Route 6 City/Town: Baldwin Place County: Westchester Site Acreage: 28.0	Zip Code: 10505		
Reporting Period: January 3	31, 2022 to January 31, 2023		
January	1, 2022 to December 31, 2022 ANC		
		YES	NO
1. Is the information above	e correct?		X
If NO, include handwritte	en above or on a separate sheet.	See al	oove
	some or all of the site property been sold, subdivided, a tax map amendment during this Reporting Period?		X
To your knowledge has Reporting Period (see 6)	there been any change of use at the site during this NYCRR 375-1.11(d))?		X
	e any federal, state, and/or local permits (e.g., building, for or at the property during this Reporting Period?		X
	o questions 2 thru 4, include documentation or evidents been previously submitted with this certification fo		
5. To your knowledge is th	e site currently undergoing development?		X
			Box 2
		YES	NO
	onsistent with the use(s) listed below? Commercial, and Industrial	X	
7. Are all ICs/ECs in place	and functioning as designed?	X	
DEC PM regarding the deve	R QUESTION 6 OR 7 IS NO, sign and date below and constopment of a Corrective Measures Work Plan to address		sues.
Signature of Standby Consult	ant/Contractor Date		

SITE NO. 360023 Box 3

Description of Institutional Controls

Parcel Owner Institutional Control

4.20-1-11 UB SOMERS INC. (c/o Urstadt Biddle Prope

Monitoring Plan Site Management Plan

O&M Plan

A Long Term Monitoring and Operation and Maintenance Plan is in place.

4.20-1-11.6 UB Somer, Inc. c/o Urstadt Biddle Prop

IC/EC Plan

Ground Water Use Restriction

Site Management Plan

O&M Plan

Soil Management Plan Landuse Restriction Monitoring Plan

A deed restriction is in place for Unit #6 that requires adherence to the Site Management Plan, including allowing access by the Department, and includes a prohibition for use of the property for residential purposes, use of the groundwater without proper treatment and a provision to provide a periodic certification that states compliance with the institutional controls.

Box 4

Description of Engineering Controls

Parcel <u>Engineering Control</u>

4.20-1-11

Groundwater Treatment System

One groundwater pump and treat system (Plant 1)is currently in operation in the former source area to address residual contamination/shallow plume containment. A monitoring well system is in place to perform long-term groundwater monitoring. Vapor monitoring is required in Unit 6 (Home Goods store).

4.20-1-11.6

Groundwater Treatment System

Groundwater extraction system
Groundwater monitoring well system

		_
	\sim	-
_	LJA	-0

	Periodic Review Report (PRR) Certification Statements									
1.	I certify by checking "YES" below that:									
	 a) the Periodic Review report and all attachments were prepared under the direct reviewed by, the party making the certification, including data and material prepared contractors for the current certifying period, if any; 									
	 b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete. 									
		YES	NO							
		X								
2.	If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that following statements are true:									
	(a) the Institutional Control and/or Engineering Control(s) employed at this site is since the date that the Control was put in-place, or was last approved by the Dep		•							
	(b) nothing has occurred that would impair the ability of such Control, to protect the environment;	public h	ealth and							
	(c) nothing has occurred that would constitute a failure to comply with the Site M or equivalent if no Site Management Plan exists.	lanagem	nent Plan,							
	or equivalent if no site Management Flan exists.	YES	NO							
		X								
	IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and contact the DEC PM regarding the development of a Corrective Measures Work Plan to address the	ese issu	les.							
	Signature of Standby Consultant/Contractor Date									

IC/EC CERTIFICATIONS

Qualified Environmental Professional Signature

I certify that all information in Boxes 2 through 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I, Mark J. Stelmack, P.E. at MACTEC Engineering and Geology, P.C.

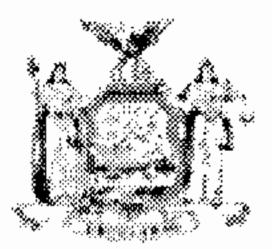
511 Congress Street, Suite 200, Portland, ME 04101,

Am certifying as a Qualified Environmental Professional.



January 31, 2023

APPENDIX B INSTITUTIONAL AND ENGINEERING CONTROLS PROPERTY OWNER SURVEY



Enclosure 1 Institutional and Engineering Controls - Property Owner Survey



Sit	e No. 360023	Site Details	Box 1
Sit	e Name Baldwin Place	Shopping Center (now Somers Commons)	
Cit Co	e Address: 80 Route 6 y/Town: Baldwin Place unty:Westchester e Acreage: 28.0	Zip Code: 10505	
Re	porting Period: January 3	31, 2022 to January 31, 2023	
			YES NO
1.	Is the information above	correct?	
	If NO, include handwritte	en above or on a separate sheet.	
2.		ite property been sold, subdivided, merged, or mendment during this Reporting Period?	
3.	Has there been any cha (see 6NYCRR 375-1.11	inge of use at the site during this Reporting Period (d))?	
4.	▼	and/or local permits (e.g., building, discharge) e property during this Reporting Period?	
	If you answered YES to with this form.	o questions 2, 3 or 4, include documentation	
5.	Is the site currently unde	ergoing development?	
			Box 2
			YES NO
6.		onsistent with the use(s) listed below? Commercial, and Industrial	
7.	Are all Institutional Cont	trols (ICs) in place and functioning as designed?	
	A STATE OF THE STA		7/2012
Šig	nature of Property Owner	<u>Jacobson 1 4</u> Date	

Box 3 SITE NO. 360023

Description of Institutional Controls

Parcel

<u>Owner</u>

Institutional Control

4.20-1-11.6

UB Somer, Inc. c/o Urstadt Biddle Prop

Ground Water Use Restriction

Soil Management Plan Landuse Restriction Monitoring Plan

Site Management Plan

O&M Plan IC/EC Plan

A deed restriction is in place for Unit #6 that requires adherence to the Site Management Plan, including allowing access by the Department, and includes a prohibition for use of the property for residential purposes, use of the groundwater without proper treatment and a provision to provide a periodic certification that states compliance with the institutional controls.

Box 4

Description of Engineering Controls

<u>Parcel</u>

Engineering Control

4.20-1-11.6

Groundwater Treatment System

Groundwater extraction system

Groundwater monitoring well system

Box 5

NO

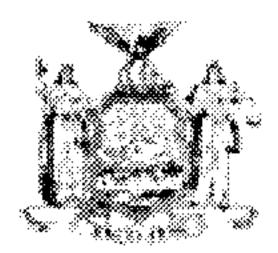
Periodic Review Report (PRR) Survey Statements

For each Institutional or Engineering control listed in Boxes 3 and/or 4, by checking "YES" below I believe all of the following statements to be true:

- (a) the Institutional Control(s) and/or Engineering Control(s) employed at this site remain unchanged since the date that the Control was put in-place, or was last approved by the Department;
 - (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;
- (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control; and
- (d) if a Site Management Plan (SMP) exists, nothing has occurred that would constitute a violation or failure to comply with the SMP for this Control.

Signature of Property Owner

Date



Enclosure 1 Institutional and Engineering Controls - Property Owner Survey



Site No	Site Details . 360023	Box 1
Site Na	me Baldwin Place Shopping Center (now Somers Commons)	
City/To	dress: 80 Route 6 Zip Code: 10505 wn: Baldwin Place Westchester reage: 28.0	
Reporti	ng Period: January 31, 2022 to January 31, 2023	
		YES NO
1. Is t	ne information above correct?	
If N	O, include handwritten above or on a separate sheet.	
	s some or all of the site property been sold, subdivided, merged, or ergone a tax map amendment during this Reporting Period?	
	there been any change of use at the site during this Reporting Period e 6NYCRR 375-1.11(d))?	
	ve any federal, state, and/or local permits (e.g., building, discharge) in issued for or at the property during this Reporting Period?	
•	ou answered YES to questions 2, 3 or 4, include documentation has form.	
5. Is t	ne site currently undergoing development?	
		Box 2
		YES NO
	ne current site use consistent with the use(s) listed below? stricted-Residential, Commercial, and Industrial	
7. Are	all Institutional Controls (ICs) in place and functioning as designed?	
Cinna and A	12 12 12 12 12 12 12 12 12 12 12 12 12 1	120122
Signatu	re of Property Owner Date	**,

SITE NO. 360023

Description of Institutional Controls

<u>Parcel</u>

Owner

Institutional Control

4.20-1-11

UB SOMERS INC. (c/o Urstadt Biddle Properties Inc.

Site Management Plan Monitoring Plan

O&M Plan

A Long Term Monitoring and Operation and Maintenance Plan is in place.

Box 4

Description of Engineering Controls

<u>Parcel</u>

Engineering Control

4.20-1-11

Groundwater Treatment System

One groundwater pump and treat system (Plant 1) is currently in operation in the former source area to addre residual contamination/shallow plume containment. A monitoring well system is in place to perform long-term groundwater monitoring. Vapor monitoring is required in Unit 6 (Home Goods store).

Box 5

Periodic Review Report (PRR) Survey Statements

For each Institutional or Engineering control listed in Boxes 3 and/or 4, by checking "YES" below I believe all of the following statements to be true:

- (a) the Institutional Control(s) and/or Engineering Control(s) employed at this site remain unchanged since the date that the Control was put in-place, or was last approved by the Department;
 - (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;
- (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control; and
- (d) if a Site Management Plan (SMP) exists, nothing has occurred that would constitute a violation or failure to comply with the SMP for this Control.

YES

NO

Signature of Property Owner

Date

APPENDIX C FIELD DATA RECORDS

APPENDIX C-1 QUARTERLY REBOUND EVALUATION FIELD DATA RECORDS

G RECORD - WATEI
n Place

SAMPLE TIME
8:30/8:35

LOCATION ID	DATE
MW-5S	3/2/2022
START TIME	END TIME
8:20	8:40
SITE NAME/INSTALLATION	PAGE
Baldwin Place	1 OF 1

	511 Congress		SAMPLE	ID		SAMPLE TI	ME	SITE NAME/INS	TALLATION	PAGE
	Suite 200 Portland, Maine			360023-MW005	SS	8:30/8	:35	Baldw	in Place	1 OF 1
SAMPL	<u> </u>		SURFACE WAT	TER STORM	WATER	DRINKING V	WATER	PORE WATER	OTHER:	
FIELD PAR	RAMETERS WITH	PROGRAM STA	ABILIZATION CRITI	ERIA (AS LISTED IN	THE QPP)					
TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O ₂ (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
8:40	6.87									
									TEMP.: nearest deg	rree (ex. 10.1 = 10)
	FI	NAL STABILIZ	ZED FIELD PARAM	IETERS (rounded to	appropriate sign	nificant figur	es)	T	COND.: 3 significan pH: nearest tenth (ex DO: nearest tenth (ex	nt figure (SF) max (ex. 1.686 = 1.69) x. 5.53 = 5.5) xx. 3.51 = 3.5)
									TURB : 3 SF max, n ORP : 2 SF $(44.1 = 4)$	earest tenth (6.19 = 6.2, 101 = 101) 44, 191 = 190)
PERIS' SUBM BLADI WATT HYDR X OTHEI	ERA ASLEEVE R PDB	X X I I I I I I I I I I I I I I I I I I	DECON FLUIDS USED ALCONOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER	SILICON TO HDPE TUBI LDPE TUBI X OTHER PDE OTHER	ING NG	S. STER	EL PUMP MAT JMP MATERIA ROBE SCREEN R	AL	X WL METE PID	QUIPMENT USED ER ETER NO TYPE
ANALYTIC	CAL PARAMETER PARAMET		METHOD NUMBER	ANALYTE I	1 18 1	FIELD LTERED	PRESERVA METHO	\/()	IE REQUIRED	QC COLLECTED
X X	VOC Sodium		8260 USEPA ICP 6010	Full List	<u> </u>	N N	HCL HNO3		250ml VOA	
X	Bromide & Flo	ouride	USEPA ICP 300.0			N	None		250ml	
PURGE OB	SERVATIONS				NOTE	S:				
PURGE WA' CONTAINEI NO-PURGE UTILIZED	RIZED YE		NUMBER OF GALL GENERATED	ONS	Gra	b Sample - No	parameters			
Sampler Sign	nature: Joshua	Minardi	Print Name:	Joshua Minardi	DEVIA	ATIONS FRO	M THE WOR	RK PLAN:		
Checked By:	Michael Ladny		Date: 1/5/2023							

GRAB SAMPLING RECORD - WATER PROJECT NAME LOCATION ID DATE **MACTEC** NYSDEC Baldwin Place MW-7S 3/2/2022 PROJECT NUMBER START TIME END TIME 3616206104.06.**** 16:00 511 Congress Street SAMPLE TIME SITE NAME/INSTALLATION SAMPLE ID **PAGE** Suite 200 16:15-16:40 360023-MW0007D Baldwin Place Portland, Maine 04101 **SAMPLE TYPE:** X GROUNDWATER SURFACE WATER STORM WATER DRINKING WATER PORE WATER OTHER: FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP) **TURBIDITY** DISS. O₂ (mg/L) REDOX **PUMP** CONDUCTANCE **PURGE RATE** TEMP. (°C) pH (units) (ntu) TIME DTW (FT) INTAKE **COMMENTS** $\pm 10\%$ or 3 values (mv) (mL/min) $\pm 3\%$ (mS/cm) ± 0.1 $\pm 10\%$ and < 10 ntu DEPTH (ft) <0.5 mg/L $\pm 10 \; mv$ or 3 values <5 ntu 16:45 11.05 **TEMP**.: nearest degree (ex. 10.1 = 10) FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures) **DO**: nearest tenth (ex. 3.51 = 3.5) **ORP**: 2 SF (44.1 = 44, 191 = 190) **EQUIPMENT DOCUMENTATION** DECON FLUIDS USED TYPE OF PUMP TUBING/PUMP/BLADDER MATERIALS PERISTALTIC SILICON TUBING ALCONOX S. STEEL PUMP MATERIAL X WL METER HDPE TUBING SUBMERSIBLE DEIONIZED WATER PVC PUMP MATERIAL PID BLADDER WQ METER LDPE TUBING GEOPROBE SCREEN POTABLE WATER WATTERA NITRIC ACID OTHER PDB TURB. METER OTHER HYDRASLEEVE HEXANE OTHER **OTHER PUMP** OTHER PDB **METHANOL OTHER OTHER** OTHER **FILTERS**

Checked By: Michael Ladny

Date: 1/5/2023

16:50

OF

1

PROJECT NAME	
NYSDEC Baldwin	n Place
PROJECT NUMBER	
3616206104.06.	****
SAMPLE ID	SAMPLE TIME
360023-MW0007S	15:20-15:30

GRAB SAMPLING RECORD - WATER									
T NAME		LOCATION ID	DATE						
NYSDEC Baldwin Plac	e	MW-7S	3/2/2022						
T NUMBER		START TIME	END TIME						
3616206104.06.****		15:15	15:35						
ID	SAMPLE TIME	SITE NAME/INSTALLATION	PAGE						
360023-MW0007S	15:20-15:30	Baldwin Place	1 OF 1						

		-		3616	206104.06.****			1	5:15	15:35
	511 Congress Street SAMPLE ID Suite 200 SAMPLE TIME SITE NAME/INSTALLATION Particip Place					STALLATION	PAGE			
	Suite 200 Portland, Maine			360023-MW00	07S	15:20-1	5:30	Baldv	vin Place	1 OF 1
	TYPE: X GR	OUNDWATER			M WATER	DRINKING V	WATER	PORE WATER	OTHER:	
FIELD PARA	METERS WITH	I PROGRAM S'	TABILIZATION C	CRITERIA (AS LISTED IN SP.	N THE QPP)		<u> </u>	TURBIDITY	T	
TIME	DTW (FT)	PURGE RAT (mL/min)	. (-		DISS. O ₂ (mg/L) ±10% or 3 values <0.5 mg/L	I DH (IIIIIS)	REDOX (mv) ±10 mv	(ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
15:35	9.93				_					
	FI	NAL STABIL	 IZED FIELD PA	RAMETERS (rounded t	o appropriate sig	nificant figure	es)		TEMP.: nearest degr COND.: 3 significan pH: nearest tenth (ex	at figure (SF) max (ex. $1.686 = 1.69$)
	OOCUMENTATI								DO: nearest tenth (ex	(3.51 = 3.5) earest tenth $(6.19 = 6.2, 101 = 101)$
PERISTA SUBMER BLADDE WATTER HYDRAS X OTHER	RSIBLE ER AA SLEEVE PDB	x x	DECON FLUIDS US ALCONOX DEIONIZED WATE POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER	SILICON THE HDPE TUE	BING BING	S. STEI	EL PUMP MA UMP MATERI ROBE SCREEI R	AL	X WL METE	ER NO TYPE
ANALYTICA	L PARAMETER PARAMET		METHOD NUMB	BER ANALYTE	LIST	FIELD ILTERED	PRESERVA METHO	\/(\)I I N	ME REQUIRED	QC COLLECTED
<u>X</u>	VOC		8260	Full Lis	st	N	HCL	x2 ·	40mL VOA	
X	Sodium		USEPA ICP 601	0		N	HNO	3	250ml	
<u>X</u>	Bromide & Flo	ouride	USEPA ICP 300.	.0		N	None	<u> </u>	250ml	
PURGE OBSE	ERVATIONS				NOT	ES:				
PURGE WATE CONTAINERIZ NO-PURGE M UTILIZED	ER YE		NUMBER OF O	GALLONS	Gr	ab Sample - No - 15:20, 17' - 15		30		
Sampler Signati	ure: Joshua	Minardi	Print Name	:: Joshua Minardi	DEVI	ATIONS FRO	M THE WO	RK PLAN:		
Checked By: M	Michael Ladny		Date: 1/5/2	2023						

GRAB SAMPLING RECORD - WATER PROJECT NAME LOCATION ID DATE **MACTEC** NYSDEC Baldwin Place MW-12M 3/2/2022 PROJECT NUMBER START TIME END TIME 3616206104.06.**** 10:25 10:40 511 Congress Street SAMPLE ID SAMPLE TIME SITE NAME/INSTALLATION **PAGE** Suite 200 360023-MW0012M 10:30/10:35 Baldwin Place OF Portland, Maine 04101 **SAMPLE TYPE:** X GROUNDWATER SURFACE WATER STORM WATER DRINKING WATER PORE WATER OTHER: FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP) SP. **TURBIDITY** REDOX DISS. O₂ (mg/L) **PUMP** CONDUCTANCE **PURGE RATE** TEMP. (°C) pH (units) (ntu) TIME DTW (FT) INTAKE **COMMENTS** $\pm 10\%$ or 3 values (mv) (mL/min) $\pm 3\%$ (mS/cm) ± 0.1 $\pm 10\%$ and ${<}10$ ntu <0.5 mg/L DEPTH (ft) $\pm 10 \text{ mv}$ or 3 values <5 ntu 10:40 9.53 **TEMP**.: nearest degree (ex. 10.1 = 10) **COND.**: 3 significant figure (SF) max (ex. 1.686 = 1.69) **pH**: nearest tenth (ex. 5.53 = 5.5) FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures) **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** TUBING/PUMP/BLADDER MATERIALS TYPE OF PUMP DECON FLUIDS USED **EQUIPMENT USED** SILICON TUBING S. STEEL PUMP MATERIAL WL METER PERISTALTIC ALCONOX HDPE TUBING PVC PUMP MATERIAL SUBMERSIBLE DEIONIZED WATER PID LDPE TUBING WQ METER BLADDER POTABLE WATER GEOPROBE SCREEN NITRIC ACID OTHER PDB OTHER TURB. METER WATTERA HEXANE HYDRASLEEVE OTHER OTHER **PUMP** OTHER PDB **METHANOL** OTHER OTHER OTHER **FILTERS** TYPE ANALYTICAL PARAMETERS **FIELD** PRESERVATION **PARAMETER** METHOD NUMBER ANALYTE LIST VOLUME REQUIRED QC COLLECTED **FILTERED METHOD** N VOC 8260 Full List HCL x2 40mL VOA USEPA ICP 6010 N HNO3 250ml Sodium N Bromide & Flouride USEPA ICP 300.0 None 250ml

NOTES:

Grab Sample - No parameters

DEVIATIONS FROM THE WORK PLAN:

PURGE OBSERVATIONS

NO-PURGE METHOD

Checked By: Michael Ladny

NO

NO

YES

Joshua Minardi

NUMBER OF GALLONS

Print Name:

Date: 1/5/2023

Joshua Minardi

GENERATED

PURGE WATER

UTILIZED

CONTAINERIZED

Sampler Signature:

GRAB SAMPLING RECORD - WATER PROJECT NAME LOCATION ID DATE **MACTEC** NYSDEC Baldwin Place MW-12S 3/2/2022 PROJECT NUMBER START TIME END TIME 3616206104.06.**** 11:05 11:25 511 Congress Street SITE NAME/INSTALLATION SAMPLE ID SAMPLE TIME **PAGE** Suite 200 11:15/11:20 360023-MW0012S Baldwin Place OF Portland, Maine 04101 **SAMPLE TYPE:** X GROUNDWATER SURFACE WATER STORM WATER DRINKING WATER PORE WATER OTHER: FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP) SP. **TURBIDITY** REDOX DISS. O₂ (mg/L) **PUMP PURGE RATE** CONDUCTANCE TEMP. (°C) pH (units) (ntu) DTW (FT) TIME INTAKE **COMMENTS** $\pm 10\%$ or 3 values (mv) (mL/min) $\pm 3\%$ (mS/cm) ± 0.1 $\pm 10\%$ and ≤ 10 ntu DEPTH (ft) <0.5 mg/L $\pm 10\;mv$ or 3 values <5 ntu 11:25 10.96 **TEMP**.: nearest degree (ex. 10.1 = 10) **COND.**: 3 significant figure (SF) max (ex. 1.686 = 1.69) **pH**: nearest tenth (ex. 5.53 = 5.5) FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures) **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** S. STEEL PUMP MATERIAL WL METER PERISTALTIC SILICON TUBING ALCONOX DEIONIZED WATER HDPE TUBING PVC PUMP MATERIAL SUBMERSIBLE PID LDPE TUBING WQ METER BLADDER POTABLE WATER GEOPROBE SCREEN OTHER PDB NITRIC ACID OTHER TURB. METER WATTERA HYDRASLEEVE HEXANE OTHER OTHER **PUMP** OTHER PDB **METHANOL** OTHER **OTHER** OTHER **FILTERS** TYPE ANALYTICAL PARAMETERS PRESERVATION **FIELD PARAMETER** METHOD NUMBER ANALYTE LIST VOLUME REQUIRED QC COLLECTED FILTERED **METHOD** N VOC 8260 Full List HCL x2 40mL VOA Sodium USEPA ICP 6010 N HNO3 250ml N Bromide & Flouride USEPA ICP 300.0 None 250ml **PURGE OBSERVATIONS NOTES:** PURGE WATER NO NUMBER OF GALLONS Grab Sample - No parameters YES CONTAINERIZED GENERATED

DEVIATIONS FROM THE WORK PLAN:

NO-PURGE METHOD

Checked By: Michael Ladny

UTILIZED

Sampler Signature:

YES

Joshua Minardi

NO

Print Name:

Date: 1/5/2023

Joshua Minardi

GRAB SAMPLING RECORD - WATER						
PROJECT NAME						
NYSDEC Baldwir	1 Place					
PROJECT NUMBER						
3616206104.06.	****					
SAMPLE ID	SAMPLE TIME					
360023-MW0012S1	10:05/10:10					

	In . mn						
LOCATION ID	DATE						
MW-12S1	3/2/2022						
START TIME	END TIME						
10:00	10:15						
SITE NAME/INSTALLATION	PAGE						
Baldwin Place	1 OF 1						

511 Congress Street Suite 200 Portland, Maine 04101		SAMF	PLE ID 360023-MW0012	2S1	SAMPLE TIME 10:05/10:10 SITE NAME/INSTALLATION PAGE Baldwin Place 1 OI			PAGE 1 OF 1		
SAMPI	L E TYPE: X GR		R SURFACE V	WATER STORM	1 WATER	DRINKING V	WATER	PORE WATER	OTHER:	
FIELD PAR	AMETERS WITH	PROCRAM	STABILIZATION CI	RITERIA (AS LISTED IN	THE OPP)					
TIME	DTW (FT)	PURGE RA	ATE TEMP. (°C)	SP.	DISS. O ₂ (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
10:15	6.02									
	FII	NAL STABI	LIZED FIELD PAR	RAMETERS (rounded to	appropriate sign	nificant figure	es)	T	TEMP.: nearest deg COND.: 3 significan pH: nearest tenth (e: DO: nearest tenth (e)	nt figure (SF) max (ex. 1.686 = 1.69) x. 5.53 = 5.5)
									TURB: 3 SF max, n	earest tenth $(6.19 = 6.2, 101 = 101)$
EQUIPMENT	Γ DOCUMENTATI	ON						<u> </u>	ORP : 2 SF (44.1 = 4	44, 191 = 190)
	TYPE OF PUMP		DECON FLUIDS USI	<u>ED</u>	TUBING/PUMP/	BLADDER MAT	ΓERIALS		<u>E</u> 6	QUIPMENT USED
	TALTIC	X	ALCONOX	SILICON T			EL PUMP MAT		X WL METE	ER
SUBM BLAD	ERSIBLE	X	DEIONIZED WATER POTABLE WATER	HDPE TUB			JMP MATERIA OBE SCREEN		PID	ED
WATT		— <u> </u>	NITRIC ACID	x OTHER PD			CODE SCREEN		TURB. MI	ERETER
HYDR	RASLEEVE		HEXANE	OTHER		OTHER	2		PUMP	
X OTHE	R PDB		METHANOL			OTHER	R		OTHER _	NO. TUDE
	~		OTHER_						FILTERS	NO TYPE
ANALYTIC	CAL PARAMETER PARAMET		METHOD NUMBE	ER ANALYTE	1 10 1	FIELD LTERED	PRESERVA METHO	V()	ME REQUIRED	QC COLLECTED
X	VOC		8260	Full Lis	t	N	HCL	x2 4	40mL VOA	
X	Sodium		USEPA ICP 6010	<u> </u>		N	HNO3	<u> </u>	250ml	
X	Bromide & Flo	ouride	USEPA ICP 300.0			N	None		250ml	;
PURGE OR	SERVATIONS				NOTE					
PURGE WA CONTAINE NO-PURGI	TER YES		NUMBER OF G. GENERATED	ALLONS		b Sample - No	parameters			
UTILIZED					DEM	ATIONS EDO	M THE WA	DIZ DI ANI.		
Sampler Sigi		Minardi	Print Name:	Joshua Minardi	DEVI	ATIONS FRO	W THE WU	XX PLAN:		
Checked By:	Michael Ladny		Date: 1/5/20	023						

PROJECT NAME	
NYSDEC Baldw	rin Place
PROJECT NUMBER	
3616206104.0	5.****
SAMPLE ID	SAMPLE TIME
360023-MW0101M	9:25/9:30

GRAB SAMPLING RECORD - WATER										
NAME			LOCATION ID	DATE	DATE					
NYSDEC Baldwin Place		MW-101M	3/2/2022							
NUMBER			START TIME END TIME		ME					
3616206104.06.****			9:20		9:35					
ID	SAMPLE TIME		SITE NAME/INSTALLATION	PAGE						
360023-MW0101M	9:25/9:30		Baldwin Place	1	OF	1				

		-	T KOJEC	.1 NUMBER 36162	06104.06.****			START TIME	9:20	9:35	
	511 Congress	Street	SAMPL		00104.00.	SAMPLE TI	ME	SITE NAME/INS		PAGE	
	Suite 200 Portland, Maine			360023-MW0101	360023-MW0101M 9:25/9:30				vin Place	1 OF 1	
	<u> </u>							_			
SAMPL	E TYPE: X GR	ROUNDWATER	SURFACE WA	TER STORM	WATER	DRINKING V	WATER	PORE WATER	OTHER:		
FIELD PAR	AMETERS WITH	H PROGRAM ST	CABILIZATION CRIT	ERIA (AS LISTED IN	ГНЕ QPP)						
		PURGE RAT	E TEMP (%C)	SP. CONDUCTANCE	DISS. O ₂ (mg/L)H (i+s)	REDOX	TURBIDITY	PUMP		
TIME	DTW (FT)	(mL/min)	E TEMP. (°C) ±3%	(mS/cm)	±10% or 3 values <0.5 mg/L	pH (units) ±0.1	(mv) ±10 mv	(ntu) $\pm 10\%$ and <10 ntu		COMMENTS	
				±3%	∼0.3 mg/L		±10 IIIV	or 3 values <5 ntu	DEI III (II)		
9:35	8.57										
	F	INAL STABILI	IZED FIELD PARA	METERS (rounded to	appropriate sig	nificant figure	es)			nt figure (SF) max (ex. $1.686 = 1.69$)	
							í I		pH: nearest tenth (ex DO: nearest tenth (ex	ex. $3.51 = 3.5$)	
									TURB : 3 SF max, n ORP : 2 SF (44.1 = 4	tearest tenth (6.19 = 6.2, 101 = 101) 44, 191 = 190)	
-	DOCUMENTAT	ION							_		
	<u>FYPE OF PUMP</u> FALTIC	X	DECON FLUIDS USED ALCONOX	SILICON TU	•	S. STE	<u>TERIALS</u> EL PUMP MAT	ΓERIAL	X WL METE	<u>QUIPMENT USED</u> ER	
	ERSIBLE		DEIONIZED WATER	HDPE TUBI			JMP MATERL		PID WQ METER TURB. METER		
WATT:	DER ERA		POTABLE WATER NITRIC ACID	x OTHER PDE		OTHER	ROBE SCREEN R	1			
HYDR	ASLEEVE		HEXANE	OTHER	_	OTHER	₹		PUMP		
X OTHE	R <u>PDB</u>	<u> —</u> Н	METHANOL OTHER			ОТНЕБ	<u> </u>		OTHER FILTERS	NO. TYPE	
ANALYTIC	CAL PARAMETEI		-	_						<u> </u>	
	PARAMET	TER	METHOD NUMBER	ANALYTE I	LIST F	FIELD ILTERED	PRESERVA METHO	V()	ME REQUIRED	QC COLLECTED	
X	VOC		8260	Full List		N	HCL	x2 -	40mL VOA		
X	Sodium		USEPA ICP 6010			N	HNO3	3	250ml		
X	Bromide & Fl	ouride	USEPA ICP 300.0	_		N	None		250ml		
							-				
				_							
	SERVATIONS				NOT						
PURGE WA' CONTAINEI		S NO	NUMBER OF GALI GENERATED	LONS	Gr	rab Sample - No	parameters				
	E METHOD YE	ES NO									
UTILIZED											
					DEV	IATIONS FRO	M THE WOI	RK PLAN:			
Sampler Sign	ature: Joshua	Minardi	Print Name:	Joshua Minardi							
1 0											
Checked By:	Michael Ladny		Date: 1/5/2023								

GRAB SAMPLING REC	CORD - WATER
PROJECT NAME	
NYSDEC Baldwin Place	
PROJECT NUMBER	
3616206104.06.****	
SAMPLE ID	SAMPLE TIME
360023-RW001S	13:40-14:15

LOCATION ID	DATE
RW-1S	3/2/2022
START TIME	END TIME
13:35	14:20
SITE NAME/INSTALLATION	PAGE
Baldwin Place	1 OF 1

	511 Congress Street Suite 200 Portland, Maine 04101		SAMPLE		S	SAMPLE TI N 13:40-14		SITE NAME/INS	STALLATION vin Place	PAGE 1 OF 1			
SAMP	LE TYPE: X GR	OUNDWATER	SURFACE WAT	TER STORM	WATER	DRINKING W	WATER	PORE WATER	OTHER:				
FIELD PA	RAMETERS WITH	PROGRAM S	STABILIZATION CRITE	ERIA (AS LISTED IN	THE QPP)								
TIME	DTW (FT)	PURGE RA (mL/min)	TE TEMP. (°C)	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O ₂ (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	(ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS			
14:20	6.65												
	FI	 NAL STABII		ETERS (rounded to	appropriate sign	ificant figure	es)		TEMP.: nearest degre COND.: 3 significant pH: nearest tenth (ex.	figure (SF) max (ex. $1.686 = 1.69$)			
									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)				
PERIS SUBM BLAI WAT HYD	T DOCUMENTATE TYPE OF PUMP STALTIC MERSIBLE DDER TERA RASLEEVE ER PDB	X X	DECON FLUIDS USED ALCONOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER	SILICON TU HDPE TUBI LDPE TUBI X OTHER PDE OTHER	NG NG	S. STEE	EL PUMP MAT JMP MATERIA ROBE SCREEN R	A L	X WL METER PID				
ANALYTI	CAL PARAMETER PARAMET		METHOD NUMBER	ANALYTE I	TCT.	FIELD LTERED	PRESERVA METHO	V/() I I N/	ME REQUIRED	QC COLLECTED			
X	VOC		8260	Full List	<u> </u>	N	HCL		40mL VOA				
X	Sodium Bromide & Fle		USEPA ICP 6010 USEPA ICP 300.0			N N	HNO3 None		250ml 250ml				
ΙН		· · · · · · · · · · · · · · · · · · ·											
PURGE WA	ERIZED EE METHOD YE		NUMBER OF GALL GENERATED	ONS		b Sample - No p		0, 25' - 13:55, 30' - 1	4:00, 35' - 14:05, 4	0' - 14:10, 45' - 14:15			
Sampler Sig	nature: Joshua	Minardi	Print Name:	Joshua Minardi	DEVIA	ATIONS FROM	M THE WOR	RK PLAN:					
Checked By	r: Michael Ladny		Date: 1/5/2023										

GRAB SAMPLING RECORD - WATER PROJECT NAME LOCATION ID **MACTEC** NYSDEC Baldwin Place PROJECT NUMBER START TIME 3616206104 06 ****

-		-			361620	06104.06.*	***			12	2:05		12:40	
	511 Congress S			SAMPLE I	ID		S	AMPLE TI	ME	SITE NAME/INS	TALLATION	PAGE		
	Suite 200 Portland, Maine				360023-RW002I)		12:10-12	2:35	Baldw	in Place	1	OF	1
	Portiand, Maine	04101					I							
SAMPL	E TYPE: X GRO	OUNDWA	TER SUF	RFACE WAT	ER STORM	WATER	D	RINKING W	VATER	PORE WATER	OTHER:			
FIELD PAR	AMETERS WITH	PROGRA	M STABILIZAT	TION CRITE	CRIA (AS LISTED IN	THE QPP)								
TIME	(mL/min)			MP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	(mS/cm) $ = 10\% \text{ or 3 values} $ $< 0.5 \text{ mg/L} $		pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	INTAKE DEPTH (ft)	COMMENTS		rs .
12:40	10.48													
			+								 			
											 			
		LAI CEAL		D D / D / 3.6					<u> </u>		TEMP.: nearest degr			
	FIN	NAL STAI	BILIZED FIEL	LD PARAM	ETERS (rounded to	appropria	te signifi	cant figure	es)		COND.: 3 significant pH: nearest tenth (ex	5.53 = 5.5	(ex. 1.686 = 1)	.69)
										DO : nearest tenth (ex. 3.51 = 3.5) TURB : 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)				
FOLLIDMENT	DOCUMENTATION	ON									ORP : $2 \text{ SF } (44.1 = 4)$			
PERIS' SUBM BLADI WATT HYDR X OTHEI	TYPE OF PUMP FALTIC ERSIBLE DER ERA ASLEEVE		DECON FLU ALCONOX DEIONIZED POTABLE V NITRIC ACI HEXANE METHANOI OTHER	O WATER VATER D	SILICON TU HDPE TUBIN LDPE TUBIN X OTHER PDB OTHER ANALYTE L	JBING NG NG	PUMP/BLA	PVC PU GEOPR OTHER OTHER	EL PUMP MAT IMP MATERIA OBE SCREEN	TION	X WL METE PID WQ METE TURB. ME PUMP OTHER FILTERS	TERNO.	TYPE	TED.
	TAKAMETI	LK	METHOD.	NOMBEK	ANALTIEL	ЛЗТ	FILT	ERED	METHO:	D VOLON	IE REQUIRED	QC	COLLECT	LD
X	VOC		826	60	Full List		1	1	HCL	x2_4	10mL VOA			
X	Sodium		USEPA I	CP 6010			1	N	HNO3		250ml			
X	Bromide & Flo	ouride	USEPA IO	CP 300.0			1	N	None		250ml			
PURGE OB	SERVATIONS	-					NOTES:				-			
PURGE WA' CONTAINEI NO-PURGE UTILIZED	RIZED		NUMBE GENERA	CR OF GALLO	ONS		55' - 12		:15, 65' - 12:20	0, 70' - 12:25, 75' - 1	2:30, 80' - 12:35			
Sampler Sign	ature: Joshua N	Minardi	Prin	t Name:	Joshua Minardi		DEVIAT	IONS FROM	M THE WOR	RK PLAN:				
Checked By:	Michael Ladny		Date	e: 1/5/2023										

DATE

END TIME

3/2/2022

RW-2D

GRAB SAMPLING RECORD - WATER PROJECT NAME LOCATION ID DATE **MACTEC** NYSDEC Baldwin Place MW-12S 6/2/2022 PROJECT NUMBER START TIME END TIME 3616206104.06.**** 1006 943 511 Congress Street SITE NAME/INSTALLATION SAMPLE ID SAMPLE TIME **PAGE** Suite 200 360023-RW001S 0943/0948 Baldwin Place OF Portland, Maine 04101 **SAMPLE TYPE:** X GROUNDWATER SURFACE WATER STORM WATER DRINKING WATER PORE WATER OTHER: FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP) SP. **TURBIDITY** REDOX DISS. O₂ (mg/L) **PUMP PURGE RATE** CONDUCTANCE TEMP. (°C) pH (units) (ntu) DTW (FT) TIME INTAKE **COMMENTS** $\pm 10\%$ or 3 values (mv) (mL/min) $\pm 3\%$ (mS/cm) ± 0.1 $\pm 10\%$ and ≤ 10 ntu DEPTH (ft) <0.5 mg/L $\pm 10\;mv$ or 3 values <5 ntu 940 10.75 **TEMP**.: nearest degree (ex. 10.1 = 10) **COND.**: 3 significant figure (SF) max (ex. 1.686 = 1.69) **pH**: nearest tenth (ex. 5.53 = 5.5) FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures) **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** S. STEEL PUMP MATERIAL WL METER PERISTALTIC SILICON TUBING ALCONOX HDPE TUBING PVC PUMP MATERIAL SUBMERSIBLE DEIONIZED WATER PID LDPE TUBING WQ METER BLADDER POTABLE WATER GEOPROBE SCREEN NITRIC ACID OTHER PDB OTHER TURB. METER WATTERA HYDRASLEEVE HEXANE OTHER OTHER **PUMP** OTHER PDB **METHANOL** OTHER **OTHER** OTHER **FILTERS** TYPE ANALYTICAL PARAMETERS PRESERVATION **FIELD PARAMETER** METHOD NUMBER ANALYTE LIST VOLUME REQUIRED QC COLLECTED FILTERED **METHOD** N VOC 8260 Full List HCL x2 40mL VOA Sodium USEPA ICP 6010 N HNO3 250ml N Bromide & Flouride USEPA ICP 300.0 None 250ml **PURGE OBSERVATIONS NOTES:** PURGE WATER NO NUMBER OF GALLONS Grab Sample - No parameters YES CONTAINERIZED GENERATED NO-PURGE METHOD YES NO

DEVIATIONS FROM THE WORK PLAN:

UTILIZED

Sampler Signature:

Checked By: Michael Ladny

Joshua Minardi

Print Name:

Date: 1/5/2023

Joshua Minardi

GRAB SAMPLING	G RECORD - WATE
PROJECT NAME	
NYSDEC Baldwi	n Place
PROJECT NUMBER	
3616206104.06	. ****
SAMPLE ID	SAMPLE TIME
360023-MW005S	7:35/7:41

LOCATION ID	DATE
MW-5S	6/2/2022
START TIME	END TIME
7:30	7:50
SITE NAME/INSTALLATION	PAGE
Baldwin Place	1 OF 1

511 Congress Street Suite 200 Portland, Maine 04101		SAMI	PLE ID 360023-MW00.	5S	7:35/7:		SITE NAME/INS Baldw	TALLATION vin Place	PAGE 1 OF 1	
SAMPI	LE TYPE: X GR		ER SURFACE	WATER STORM	I WATER	DRINKING V	WATER	PORE WATER	OTHER:	
FIFI D DAI	AMETEDS WITH	DDOCDAM	STABILIZATION C	RITERIA (AS LISTED IN	THE ODD)					
TIME	DTW (FT)	PURGE R. (mL/mi	ATE TEMP. (°C)	SP.	DISS. O ₂ (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	(ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
7:50	7.05									
	FI	NAL STAB	ILIZED FIELD PAR	RAMETERS (rounded to	appropriate sign	nificant figure	es)		TEMP.: nearest deg COND.: 3 significar pH: nearest tenth (e: DO: nearest tenth (e)	nt figure (SF) max (ex. 1.686 = 1.69) x. 5.53 = 5.5)
									TURB: 3 SF max, n	earest tenth $(6.19 = 6.2, 101 = 101)$
EQUIPMENT	Γ DOCUMENTATI	ON							ORP : 2 SF (44.1 = 4	44, 191 = 190)
	TYPE OF PUMP		DECON FLUIDS US	<u>ED</u>	TUBING/PUMP/	BLADDER MAT	ΓERIALS		<u>E0</u>	QUIPMENT USED
	TALTIC	X	ALCONOX	SILICON T			EL PUMP MAT		X WL METE	ER
SUBM BLAD	ERSIBLE DER	X	DEIONIZED WATER POTABLE WATER	HDPE TUB			JMP MATERIA OBE SCREEN		PID WO METI	ER
WATI			NITRIC ACID	x OTHER PD			RR		TURB. MI	ETER
	ASLEEVE		HEXANE	OTHER		OTHER	t		PUMP	
X OTHE	R PDB		METHANOL			OTHER	·		OTHER	NO TYPE
ANIAI X/TI			OTHER_						<u>FILTERS</u>	NO TYPE
ANALYTIC	CAL PARAMETER PARAMET		METHOD NUMBE	ER ANALYTE	1 10 1	FIELD LTERED	PRESERVA METHO	V()	ME REQUIRED	QC COLLECTED
X	VOC		8260	Full Lis	<u> </u>	N	HCL	x2_4	40mL VOA	
X	Sodium		USEPA ICP 6010	<u> </u>		N	HNO3	<u> </u>	250ml	
X	Bromide & Flo	ouride	USEPA ICP 300.0	0		N	None		250ml	
DIDCE OF	SERVATIONS				NOTE					
PURGE WA CONTAINE	TER YE		NUMBER OF G GENERATED	ALLONS		b Sample - No	parameters			
UTILIZED										
Sampler Sign	nature: Joshua 1	Minardi	Print Name:	Joshua Minardi	DEVI	ATIONS FRO	M THE WOR	RK PLAN:		
Checked By:	Michael Ladny		Date: 1/5/20	023						

GRAB SAMPLING RE	CORD - WATER
PROJECT NAME	
NYSDEC Baldwin Plac	e
PROJECT NUMBER	
3616206104.06.****	
SAMPLE ID	SAMPLE TIME
360023-MW0007D	14:45-15:19

LOCATION ID	DATE
MW-7D	6/2/2022
START TIME	END TIME
14:36	15:24
SITE NAME/INSTALLATION	PAGE
Baldwin Place	1 OF 1

	511 Congress Street Suite 200 Portland, Maine 04101			SAMPLE ID 360023-MW0007D			SAMPLE TIME 14:45-15:19			SITE NAME/INSTALLATION Baldwin Place			PAGE 1	OF	1
SAMPLI	E TYPE: X GRO	OUNDWATER	SURF	ACE WAT	ER STORM	WATER	DRIN	IKING W	VATER	PORE WATER		OTHER:			_
FIELD PARA	AMETERS WITH	PROGRAM S	STABILIZATIO	ON CRITE	RIA (AS LISTED IN T	THE OPP)									
TIME	(mL/min)		те тем	E TEMP. (°C) COND		DISS. O ₂ (mg ±10% or 3 valu <0.5 mg/L	3 values PH (un		REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	IN	UMP FAKE PTH (ft)	COMMENTS		
15:22	10.75														
	FI	NAL STABI	LIZED FIELI) PARAM	ETERS (rounded to	appropriate s	ignifican	t figure:	s)	<u> </u>	COND pH: ne	.: nearest degree .: 3 significant arest tenth (ex.		ex. 1.686 = 1.69)	
											TURB		arest tenth (6.19 =	6.2, 101 = 101)	
T PERIST SUBME BLADD WATTE HYDRA	ERSIBLE DER	X X	DECON FLUI ALCONOX DEIONIZED V POTABLE WA NITRIC ACID HEXANE METHANOL OTHER	VATER	SILICON TO HDPE TUBI LDPE TUBI X OTHER PDE OTHER	ING NG	MP/BLADE	S. STEE PVC PU	EL PUMP MAT JMP MATERIA OBE SCREEN	AL	X	WL METER	R TER		
ANALYTICA	AL PARAMETER PARAMETI		METHOD N	UMBER	ANALYTE I	LIST	FIELD FILTERI		PRESERVA METHO	V/()	ME REO	QUIRED	QC (COLLECTED	ı
X	VOC		8260)	Full List	<u> </u>	N		HCL		40mL V	/OA			
X	Sodium		USEPA IC	P 6010	_		N		HNO3	<u> </u>	250ml	·			
<u>X</u>	Bromide & Flo	ouride	USEPA IC	P 300.0			N		None		250ml	· · · · · · · · · · · · · · · · · · ·			
								<u> </u>							<u> </u>
PURGE ORS	SERVATIONS						TES:								
PURGE WAT CONTAINER NO-PURGE UTILIZED	TER YES		NUMBER GENERAT		ONS		Grab Samj 63' - 14:45 QAQC col	, 68' - 14 lected fro	om 78' interval		15:13, 8	8' - 15:19			
Sampler Signa	ature: Joshua N	Minardi	Print N	Name:	Joshua Minardi	DE	VIATION	NS FROI	M THE WOF	KK PLAN:					
Checked By:	Michael Ladny		Date:	1/5/2023											

PROJECT NAME	
NYSDEC Baldwi	n Place
PROJECT NUMBER	
3616206104.06	****
SAMPLE ID	SAMPLE TIME
360023-MW0007S	14:00-14:22

GRAB SAMPLING RE	CORD - WATE	CR	
NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		MW-7S	6/2/2022
NUMBER		START TIME	END TIME
3616206104.06.****		14:00	14:36
D	SAMPLE TIME	SITE NAME/INSTALLATION	PAGE
360023-MW0007S	14:00-14:22	Baldwin Place	1 OF 1

	511 Congress Suite 200 Portland, Maine) e 04101	SAMPLE	360023-MW000		SAMPLE TIN 14:00-14	1:22	SITE NAME/INS Baldw	rin Place	PAGE 1 OF 1
SAMPL	LE TYPE: X GR	OUNDWATER	SURFACE WAT	TER STORM	WATER	DRINKING W	VATER	PORE WATER	OTHER:	
FIELD PAR	RAMETERS WITH DTW (FT)	PURGE RATE (mL/min)	E TEMP. (°C) ±3%	ERIA (AS LISTED IN SP. CONDUCTANCE (mS/cm) ±3%	THE QPP) DISS. O ₂ (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
14:30	9.6			-5.0						
	FI	NAL STABILIZ	ZED FIELD PARAM	IETERS (rounded to	appropriate sign	nificant figure	es)		pH: nearest tenth (ex.DO: nearest tenth (ex.	figure (SF) max (ex. 1.686 = 1.69) 5.53 = 5.5) 3.51 = 3.5) arest tenth (6.19 = 6.2, 101 = 101)
PERIS' SUBM BLAD WATT HYDR		X	DECON FLUIDS USED ALCONOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER	SILICON TO HDPE TUBI LDPE TUBI X OTHER PDI OTHER	ING NG	S. STEE PVC PU	EL PUMP MAT IMP MATERIA OBE SCREEN	A L	EQI X WL METER PID	UIPMENT USED R FER
ANALYTIC	CAL PARAMETER PARAMET VOC		METHOD NUMBER 8260	ANALYTE I	FII FII	FIELD LTERED N	PRESERVA' METHO HCL	D VOLUM	IE REQUIRED	QC COLLECTED
X X	Sodium Bromide & Fl		USEPA ICP 6010 USEPA ICP 300.0	T till Elsi		N N	HNO3 None		250ml 250ml	
PURGE WA	RIZED E METHOD YE		NUMBER OF GALL GENERATED	ONS		S: b Sample - No p - 14:00, 17' - 14		2		
Sampler Sign	nature: Joshua	Minardi	Print Name:	Joshua Minardi	DEVIA	ATIONS FROM	M THE WOR	RK PLAN:		
Checked By:	Michael Ladny		Date: 1/5/2023							

GRAB SAMPLING RECORD - WATER PROJECT NAME LOCATION ID DATE **MACTEC** NYSDEC Baldwin Place MW-12S 6/2/2022 PROJECT NUMBER START TIME END TIME 3616206104.06.**** 9:43 10:06 511 Congress Street SITE NAME/INSTALLATION SAMPLE ID SAMPLE TIME **PAGE** Suite 200 360023-MW0012S 9:43/9:48 Baldwin Place OF 1 Portland, Maine 04101 **SAMPLE TYPE:** X GROUNDWATER SURFACE WATER STORM WATER DRINKING WATER PORE WATER OTHER: FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP) **TURBIDITY** DISS. O₂ (mg/L) REDOX **PUMP** CONDUCTANCE **PURGE RATE** TEMP. (°C) pH (units) (ntu) TIME DTW (FT) INTAKE **COMMENTS** $\pm 10\%$ or 3 values (mv) (mL/min) $\pm 3\%$ (mS/cm) ± 0.1 $\pm 10\%$ and < 10 ntu DEPTH (ft) <0.5 mg/L $\pm 10 \; mv$ or 3 values <5 ntu 9:40 10.75 **TEMP**.: nearest degree (ex. 10.1 = 10) COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69) pH: nearest tenth (ex. 5.53 = 5.5) FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures) **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** SILICON TUBING PERISTALTIC S. STEEL PUMP MATERIAL ALCONOX X WL METER HDPE TUBING SUBMERSIBLE DEIONIZED WATER PVC PUMP MATERIAL PID LDPE TUBING WQ METER BLADDER GEOPROBE SCREEN POTABLE WATER TURB. METER WATTERA NITRIC ACID OTHER PDB OTHER **HEXANE** HYDRASLEEVE OTHER **OTHER PUMP** OTHER PDB **METHANOL OTHER OTHER** OTHER **FILTERS** TYPE ANALYTICAL PARAMETERS PRESERVATION **FIELD PARAMETER** METHOD NUMBER VOLUME REQUIRED QC COLLECTED ANALYTE LIST **METHOD FILTERED** VOC 8260 Full List N HCL x2 40mL VOA Sodium USEPA ICP 6010 N HNO3 250ml Bromide & Flouride USEPA ICP 300.0 N 250ml None

NOTES:

Grab Sample - No parameters

DEVIATIONS FROM THE WORK PLAN:

NUMBER OF GALLONS

Print Name:

Date: 1/5/2023

Joshua Minardi

GENERATED

NO

NO

YES

Joshua Minardi

PURGE OBSERVATIONS

NO-PURGE METHOD

Checked By: Michael Ladny

PURGE WATER

UTILIZED

CONTAINERIZED

Sampler Signature:

GRAB SAMPLING	G RECORD - WATE
PROJECT NAME	
NYSDEC Baldwin	n Place
PROJECT NUMBER	
3616206104.06.	****
SAMPLE ID	SAMPLE TIME
360023-MW0012S1	8:42/8:48

LOCATION ID	DATE
MW-12S1	6/2/2022
START TIME	END TIME
8:38	9:10
SITE NAME/INSTALLATION	PAGE
Baldwin Place	1 OF 1

						206104.06.****				3:38	9:1	10
	511 Congress Suite 200			SAMPLE			SAMPLE TI		SITE NAME/INS		PAGE	
	Portland, Maine				360023-MW0012	2S1	8:42/8:	:48	Baldv	vin Place	1 O	F 1
SAMPI	LE TYPE: X GR		ER	SURFACE WAT	TER STORM	WATER	DRINKING V	WATER	PORE WATER	OTHER:		
EIELD DAE		I DDOCD A I	A CTADILI	ZATION CDITI	EDIA (AC LICTED IN	THE OPP)						
FIELD PAR	AMETERS WITH	PROGRAM	VI STABILIZ	ZATION CRITE	ERIA (AS LISTED IN SP.			DEDON	TURBIDITY	DV-145		
TIME	DTW (FT)	PURGE F (mL/m		ΓΕΜΡ. (°C) ±3%	CONDUCTANCE (mS/cm) ±3%	DISS. O ₂ (mg/L ±10% or 3 values <0.5 mg/L		REDOX (mv) ±10 mv	(ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMM	IENTS
9:10	6.25											
	FI	 NAL STAF	 BILIZED F	IELD PARAM	 IETERS (rounded to	appropriate sig	nificant figure	es)		TEMP.: nearest degree COND.: 3 significant pH: nearest tenth (ex.	t figure (SF) max (ex. 1.6	586 = 1.69)
										DO : nearest tenth (ex.	3.51 = 3.5) arest tenth $(6.19 = 6.2, 1)$	101 = 101)
EQUIPMENT	Γ DOCUMENTAT	ION				•	.		•	0111.2 51 (1.11	,,,,,,	
	TYPE OF PUMP	_		FLUIDS USED			BLADDER MAT			EQ	UIPMENT USED	
	TALTIC IERSIBLE	X		OX ZED WATER	SILICON TO HDPE TUB			EL PUMP MAT JMP MATERL		X WL METER PID	R	
BLAD				LE WATER	LDPE TUBI	NG		ROBE SCREEN		WQ METEI	R	
WATT			NITRIC		x OTHER PDI	3	OTHER			I UKB. ME	IEK	
X OTHE	RASLEEVE R PDB		HEXAN METHA		OTHER_		OTHER OTHER			PUMP OTHER		_
			OTHER		_			-		FILTERS	NO. TYPE	<u> </u>
ANALYTIC	CAL PARAMETER	RS					EIEL D	DDECEDA	TION			
	PARAMET	ER	METH	OD NUMBER	ANALYTE	F	FIELD ILTERED	PRESERVA METHO	DD VOLUM	ME REQUIRED	QC COLI	LECTED
X	VOC		HIGE	8260	Full Lis	<u> </u>	<u>N</u>	HCL		40mL VOA		
X	Sodium Bromide & Fl			PA ICP 6010 PA ICP 300.0			N N	HNO3		250ml 250ml		
	SERVATIONS					NOT						
PURGE WA CONTAINE		S NO		MBER OF GALL ERATED	ONS	G1	ab Sample - No	parameters				
	E METHOD YE	S NO	GEN	EKATED								
UTILIZED												
						DEV	IATIONS FRO	M THE WO	RK PLAN:			
Sampler Sign	nature: Joshua	Minardi		Print Name:	Joshua Minardi							
Checked By:	Michael Ladny			Date: 1/5/2023								

PROJECT NAME	
NYSDEC Baldwin	1 Place
PROJECT NUMBER	
3616206104.06.	****
SAMPLE ID	SAMPLE TIME
360023-MW0101M	8:11/8:17

GRAB SAMPLING REC	CORD - WATE	ER	
NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		MW-101M	6/2/2022
NUMBER		START TIME	END TIME
3616206104.06.***		8:10	8:35
ID	SAMPLE TIME	SITE NAME/INSTALLATION	PAGE
360023-MW0101M	8:11/8:17	Baldwin Place	1 OF 1

	511 Congress Suite 200		SAMPLE			SAMPLE TI		SITE NAME/INS		PAGE
	Portland, Maine			360023-MW0101	1M	8:11/8:	17	Baldw	rin Place	1 OF 1
SAMPL	E TYPE: X GR	OUNDWATER	SURFACE WAT	TER STORM	WATER	DRINKING V	VATER	PORE WATER	OTHER:	
FIELD PAR	RAMETERS WITH	PROGRAM S	STABILIZATION CRIT	ERIA (AS LISTED IN	THE QPP)					
ТІМЕ	DTW (FT)	PURGE RA (mL/min)	- (-)	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O ₂ (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	(ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
8:35	8.8									
	FI	NAL STABII	LIZED FIELD PARAM	IETERS (rounded to	appropriate sign	nificant figure	es)		pH: nearest tenth (ex	nt figure (SF) max (ex. 1.686 = 1.69) x. 5.53 = 5.5)
									DO : nearest tenth (e: TURB : 3 SF max, no ORP : 2 SF (44.1 = 4	earest tenth $(6.19 = 6.2, 101 = 101)$
PERIS' SUBM BLAD' WATT HYDR X OTHE	ERA ASLEEVE	x x	DECON FLUIDS USED ALCONOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER METHOD NUMBER	SILICON TU HDPE TUBI LDPE TUBI X OTHER PDE OTHER	NG NG 3	S. STEE	EL PUMP MA' UMP MATERI OBE SCREE	ATION VOLUM	X WL METE	QUIPMENT USED ER ETER NO TYPE QC COLLECTED
X	VOC		8260	Full List		N	HCL		0mL VOA	
X	Sodium		USEPA ICP 6010	_		N	HNO:	3	250ml	
X	Bromide & Flo	ouride	USEPA ICP 300.0			N	None	;	250ml	
	SERVATIONS				NOTE					
PURGE WA CONTAINE NO-PURGE UTILIZED	RIZED YE		NUMBER OF GALL GENERATED	ONS		b Sample - No լ				
Sampler Sign	nature: Joshua	Minardi	Print Name:	Joshua Minardi	DEVI	ATIONS FRO	M THE WO	RK PLAN:		
Checked By:	Michael Ladny		Date: 1/5/2023							

GRAB SAMPLING R	ECORD - WATE
PROJECT NAME	
NYSDEC Baldwin Plac	ce
PROJECT NUMBER	
3616206104.06.****	•
SAMPLE ID	SAMPLE TIME
360023-RW001S	10:17-10:56

LOCATION ID	DATE
RW-1S	6/2/2022
START TIME	END TIME
10:06	12:07
SITE NAME/INSTALLATION	PAGE
Baldwin Place	1 OF 1

	511 Congress Suite 200 Portland, Maine) : 04101	SAMPLE			SAMPLE TIN 10:17-10		SITE NAME/INS	STALLATION vin Place	PAGE 1 OF 1
SAMPI	LE TYPE: X GR	OUNDWATER	SURFACE WAT	TER STORM	WATER	DRINKING W	VATER	PORE WATER	OTHER:	
FIELD PAR	DTW (FT)	PURGE RA' (mL/min)		SP. CONDUCTANCE (mS/cm) ±3%	THE QPP) DISS. O ₂ (mg/L) ±10% or 3 values <0.5 mg/L	pH (units)	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
10:06	7.4									
	FI	NAL STABII	IZED FIELD PARAM	IETERS (rounded to	appropriate sign	ificant figure	es)		pH: nearest tenth (ex. DO: nearest tenth (ex. TURB: 3 SF max, nearest tenth)	figure (SF) max (ex. 1.686 = 1.69) 5.53 = 5.5) 3.51 = 3.5) arest tenth (6.19 = 6.2, 101 = 101)
PERIS SUBM BLAD WATT HYDR		X X	DECON FLUIDS USED ALCONOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER	SILICON TO HDPE TUBI LDPE TUBI X OTHER PDE OTHER	NG NG	S. STEE	EL PUMP MAT IMP MATERIA OBE SCREEN	AL	X WL METER PID WQ METER TURB. METER PUMP OTHER	UIPMENT USED R
X X X	PARAMETER PARAMET VOC Sodium Bromide & Flo	ER -	METHOD NUMBER 8260 USEPA ICP 6010 USEPA ICP 300.0	ANALYTE I Full List	FII FII	FIELD LTERED N N N	PRESERVA METHO HCL HNO3 None	D VOLUN	40mL VOA 250ml 250ml	QC COLLECTED
PURGE WA CONTAINE	RIZED E METHOD YE		NUMBER OF GALL GENERATED	ONS	10' -	b Sample - No p	:22, 20' - 10:2		0:36, 35' - 10:43, 4	90' - 10:50, 45' - 10:56
Sampler Sign Checked By:	nature: Joshua Michael Ladny	Minardi	Print Name: Date: 1/5/2023	Joshua Minardi	DEVIA	MIONO FROI	WITHE WOR	AK I LAN.		

PROJECT NAME	
NYSDEC Baldwi	n Place
PROJECT NUMBER	
3616206104.06	****
SAMPLE ID	SAMPLE TIME
360023-RW002D	12:13-12:39

GRAB SAMPLING REC	CORD - WATE	ER	
NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		RW-2D	6/2/2022
NUMBER		START TIME	END TIME
3616206104.06.****		12:07	13:18
D	SAMPLE TIME	SITE NAME/INSTALLATION	PAGE
360023-RW002D	12:13-12:39	Baldwin Place	1 OF 1

	511 Congress Suite 200 Portland, Maine)	SAMPLE	SAMPLE ID 360023-RW002D SAMPLE TIME 12:13-12:39				SITE NAME/INS	TALLATION vin Place	PAGE 1 OF 1
SAMP	LE TYPE: X GR	OUNDWATER	SURFACE WAT	TER STORM	WATER	DRINKING W	VATER	PORE WATER	OTHER:	
FIELD PAI	RAMETERS WITH		TABILIZATION CRITE	ERIA (AS LISTED IN SP. CONDUCTANCE	THE QPP) DISS. O ₂ (mg/L)	.H (.242)	REDOX	TURBIDITY	PUMP	
TIME	DTW (FT)	PURGE RAT	. (-)	(mS/cm) ±3%	±10% or 3 values <0.5 mg/L	pH (units) ±0.1	(mv) ±10 mv	(ntu) ±10% and <10 ntu or 3 values <5 ntu	INTAKE DEPTH (ft)	COMMENTS
12:07	10.95									
		NAL GEARY	AGEN FIELD DATE AND						TEMP.: nearest degre	
	F1	NAL STABIL	IZED FIELD PARAM	ETERS (rounded to	appropriate sign	lificant figure	es)		pH: nearest tenth (ex.DO: nearest tenth (ex.	
									ORP : 2 SF (44.1 = 44)	
PERIS SUBM	PERISTALTIC X ALCONOX SUBMERSIBLE X DEIONIZE BLADDER POTABLE		DECON FLUIDS USED ALCONOX DEIONIZED WATER POTABLE WATER NITRIC ACID	SILICON TUBING HDPE TUBING VATER LDPE TUBING		PVC PU	EL PUMP MAT JMP MATERIA LOBE SCREEN	A L	X WL METER PID	UIPMENT USED R TER
HYDI	RASLEEVE ER PDB		HEXANE METHANOL OTHER	OTHER		OTHER OTHER			PUMP OTHER FILTERS	
ANALYTI	CAL PARAMETER	RS							TETERS	
	PARAMET	ER	METHOD NUMBER	ANALYTE I	FII	FIELD LTERED	PRESERVA METHO	D VOLUN	ME REQUIRED	QC COLLECTED
X		VOC 8260 Sodium USEPA ICP 6010		Full List		N H			40mL VOA 250ml	
X	Bromide & Flo	ouride	USEPA ICP 300.0			N	None		250ml	
PURGE WA	ERIZED E METHOD YE		NUMBER OF GALL GENERATED	ONS		b Sample - No p	•	4, 70' - 12:30, 75' - 1	2:34, 80' - 12:39	
Sampler Sig	nature: Joshua	Minardi	Print Name:	Joshua Minardi	DEVIA	ATIONS FROM	M THE WOR	RK PLAN:		
Checked By	: Michael Ladny		Date: 1/5/2023							

GRAB SAMPLING RECORD - WATER PROJECT NAME LOCATION ID DATE MACTEC NYSDEC Baldwin Place MW-12S 9/2/2022 PROJECT NUMBER START TIME END TIME 3616206104.06.**** 10:52 10:30 511 Congress Street SITE NAME/INSTALLATION SAMPLE ID SAMPLE TIME **PAGE** Suite 200 10:35/10:38 360023-MW0012S Baldwin Place OF Portland, Maine 04101 **SAMPLE TYPE:** X GROUNDWATER SURFACE WATER STORM WATER DRINKING WATER PORE WATER OTHER: FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP) SP. **TURBIDITY** REDOX DISS. O₂ (mg/L) **PUMP PURGE RATE** CONDUCTANCE TEMP. (°C) pH (units) (ntu) DTW (FT) TIME INTAKE **COMMENTS** $\pm 10\%$ or 3 values (mv) (mL/min) $\pm 3\%$ (mS/cm) ± 0.1 ±10% and <10 ntu DEPTH (ft) <0.5 mg/L $\pm 10\;mv$ or 3 values <5 ntu 10:50 14.55 **TEMP**.: nearest degree (ex. 10.1 = 10) **COND.**: 3 significant figure (SF) max (ex. 1.686 = 1.69) **pH**: nearest tenth (ex. 5.53 = 5.5) FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures) **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** S. STEEL PUMP MATERIAL WL METER PERISTALTIC SILICON TUBING ALCONOX HDPE TUBING PVC PUMP MATERIAL SUBMERSIBLE DEIONIZED WATER PID LDPE TUBING WQ METER BLADDER POTABLE WATER GEOPROBE SCREEN OTHER PDB NITRIC ACID OTHER TURB. METER WATTERA HYDRASLEEVE HEXANE OTHER OTHER **PUMP** OTHER PDB **METHANOL** OTHER **OTHER** OTHER **FILTERS** TYPE ANALYTICAL PARAMETERS PRESERVATION **FIELD PARAMETER** METHOD NUMBER ANALYTE LIST VOLUME REQUIRED QC COLLECTED FILTERED **METHOD** N VOC 8260 Full List HCL x2 40mL VOA Sodium USEPA ICP 6010 N HNO3 250ml N Bromide & Flouride USEPA ICP 300.0 None 250ml **PURGE OBSERVATIONS NOTES:** PURGE WATER NO NUMBER OF GALLONS YES Grab Sample - No parameters CONTAINERIZED GENERATED

DEVIATIONS FROM THE WORK PLAN:

NO-PURGE METHOD

UTILIZED

Sampler Signature:

Checked By: JJM

YES

Michael Ladny

NO

Print Name:

Date: 1/5/2023

Michael Ladny

GRAB SAMPLING	G RECORD - WATE
PROJECT NAME	
NYSDEC Baldwi	in Place
PROJECT NUMBER	
3616206104.06	.****
SAMPLE ID	SAMPLE TIME
360023-MW005S	8:53/8:57

LOCATION ID	DATE								
MW-5S	9/2/2022								
START TIME	END TIME								
8:49	9:15								
SITE NAME/INSTALLATION	PAGE								
Baldwin Place	1 OF 1								

	511 Congress S Suite 200		SAMPLE	ID		SAMPLE TI	ME	SITE NAME/INS	FALLATION	PAGE	
	Portland, Maine			360023-MW005	S	8:53/8:	:57	Baldw	in Place	1 OF 1	
SAMPLE TYPE: X GROUNDWATER SURFACE WATER STORM WATER				WATER	DRINKING V	WATER	PORE WATER	OTHER:			
FIELD PAR	AMETERS WITH	PROGRAM	STABILIZATION CRIT		THE QPP)						
TIME	DTW (FT)	PURGE RA	. (- /	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O ₂ (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS	
9:00	10.5										
		LA CEAD	I IZED EVEL D DADAN		• . •				TEMP.: nearest degre	ee (ex. 10.1 = 10)	
	FIL	NAL STABI	LIZED FIELD PARAM	TETERS (rounded to	appropriate sign	uficant figure	es)		pH: nearest tenth (ex.		
										arest tenth $(6.19 = 6.2, 101 = 101)$	
EQUIPMENT	DOCUMENTATI	ON		l	ı			1	ORP : 2 SF (44.1 = 44	<u>, 191 = 190)</u>	
	TYPE OF PUMP		DECON FLUIDS USED		TUBING/PUMP/I					<u>UIPMENT USED</u>	
	ΓALTIC ERSIBLE	X	ALCONOX DEIONIZED WATER	SILICON TU HDPE TUBI		S. STEEL PUMP MATERIAL PVC PUMP MATERIAL			X WL METER PID		
BLADI	DER		POTABLE WATER	LDPE TUBI	NG	GEOPR	OBE SCREEN		WQ METER		
WATT			NITRIC ACID HEXANE	x OTHER PDE OTHER	3	OTHER OTHER			TURB. MET PUMP	ſER	
X OTHER	ASLEEVE R PDB		METHANOL	UTHEK		OTHER			OTHER		
			OTHER_	-					FILTERS	NO. TYPE	
ANALYTIC	AL PARAMETER				,	FIELD	PRESERVA'	TION			
	PARAMETI	ER	METHOD NUMBER	ANALYTE I		LTERED	METHO	V/()	E REQUIRED	QC COLLECTED	
X	VOC		8260	Full List	<u> </u>	N	HCL	x2 4	0mL VOA		
X	Sodium		USEPA ICP 6010			N	HNO3		250ml		
X	Bromide & Flo	ouride	USEPA ICP 300.0			N	None		250ml		
				<u> </u>							
				_							
				_							
				<u> </u>							
	SERVATIONS TED VEG	- NO	MIN MED OF CALL	ONIG .	NOTE						
PURGE WA' CONTAINE		S NO	NUMBER OF GALL GENERATED	ONS	—— Gra	b Sample - No j	parameters				
NO-PURGE	<u> </u>	S NO									
UTILIZED											
					DEVI	ATIONS FRO	M THE WOR	RK PLAN:			
Sampler Sign	ature: Michael	Ladny	Print Name:	Michael Ladny							
ol 1 15	TIM.		Date: 1/5/2023								
Checked By:	LHVI		Date: 1/5/2023								

GRAB SAMPLING RE	CORD - WATE
PROJECT NAME	
NYSDEC Baldwin Place	
PROJECT NUMBER	
3616206104.06.****	
SAMPLE ID	SAMPLE TIME
360023-MW0007D	14:14-14:49

LOCATION ID	DATE							
MW-7D	9/2/2022							
START TIME	END TIME							
14:11	15:10							
SITE NAME/INSTALLATION	PAGE							
Baldwin Place	1 OF 1							

	511 Congress Suite 200			SAMPL				SA	MPLE TI		SITE	NAME/INS			PAGE		
	Portland, Maine				36	0023-MW000	MW0007D 14:14-14:49 Baldwi			ın Pla	ace	1	OF	<u>l</u>			
SAMPL	E TYPE: X GR	OUNDWA	TER	SURFACE WA	TER	STORM	I WATER	D)	RINKING V	VATER [POR	E WATER		OTHER:			
FIELD PAR	AMETERS WITH	PROGRA	M STAI	BILIZATION CRIT	TERIA (AS	S LISTED IN SP.	THE QPP)			1	- ADI	DDIDIEN					
TIME	DTW (FT)	PURGE (mL/1		TEMP. (°C) ±3%		DUCTANCE mS/cm) ±3%	DISS. O ₂ (mg ±10% or 3 val <0.5 mg/L	lues	bH (units) ±0.1	(mv) ±10 mv	±10%	(ntu) % and <10 ntu values <5 ntu	IN	PUMP NTAKE PTH (ft)		COMMENT	ΓS
14:55	14.5												<u> </u>				
													<u> </u>				
													lacksquare				
	FI	NAL STA	ABILIZE	ED FIELD PARA	 METERS	(rounded to	appropriate	signific	ant figure	es)			CONI pH: n	P.: nearest degre D.: 3 significant nearest tenth (ex. nearest tenth (ex.	figure (SF) ma $5.53 = 5.5$)		1.69)
												TURI	B : 3 SF max, nea: 2 SF (44.1 = 44	arest tenth (6.1	9 = 6.2, 101 = 1	101)	
PERIS' SUBM BLADI WATT HYDR X OTHEI	ERA ASLEEVE	as	X AL X DE PO NI' HE MH OT	ECON FLUIDS USED CONOX EIONIZED WATER TABLE WATER TRIC ACID EXANE ETHANOL THER TETHOD NUMBER	X	SILICON T HDPE TUB LDPE TUB OTHER PD OTHER	ING ING B	FIE	S. STEE PVC PU GEOPR OTHER OTHER OTHER	EL PUMP M JMP MATEI OBE SCRE	PUMP MATERIAL P MATERIAL E SCREEN		X X	WL METER	WQ METER TURB. METER PUMP OTHER FILTERS NO. TYPE		
X	VOC			8260		Full Lis		FILTE N		METH HC			40mL				
X X	Sodium Bromide & Flo			USEPA ICP 6010 USEPA ICP 300.0				N		No			250m	,			
PURGE OB PURGE WA' CONTAINED NO-PURGE UTILIZED	RIZED			NUMBER OF GAL GENERATED	LONS			63 Q <i>a</i>	AQC collect	' - 14:18, 73 ed from 78'	3' - 14:26, interval (VOC only)	33' - 14	4:44, 88' - 14:	49		
Sampler Sign		l Ladny		Print Name:	Michael	Ladny	Di	EVIATI	ONS FROM	M THE W	ORK PL	AN:					

GRAB SAMPLING RECORD - WATER PROJECT NAME LOCATION ID DATE MACTEC NYSDEC Baldwin Place MW-7S 9/2/2022 PROJECT NUMBER START TIME END TIME 3616206104.06.**** 13:40 14:10 511 Congress Street SITE NAME/INSTALLATION SAMPLE ID SAMPLE TIME **PAGE** Suite 200 360023-MW0007S 13:41-13:53 Baldwin Place OF Portland, Maine 04101 **SAMPLE TYPE:** X GROUNDWATER SURFACE WATER STORM WATER DRINKING WATER PORE WATER OTHER: FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP) SP. **TURBIDITY** REDOX DISS. O₂ (mg/L) **PUMP PURGE RATE** CONDUCTANCE TEMP. (°C) pH (units) (ntu) DTW (FT) TIME INTAKE **COMMENTS** $\pm 10\%$ or 3 values (mv) (mL/min) $\pm 3\%$ (mS/cm) ± 0.1 ±10% and <10 ntu DEPTH (ft) <0.5 mg/L $\pm 10\;mv$ or 3 values <5 ntu 14:00 12.08 **TEMP**.: nearest degree (ex. 10.1 = 10) **COND.**: 3 significant figure (SF) max (ex. 1.686 = 1.69) **pH**: nearest tenth (ex. 5.53 = 5.5) FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures) **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** S. STEEL PUMP MATERIAL WL METER PERISTALTIC SILICON TUBING ALCONOX HDPE TUBING PVC PUMP MATERIAL SUBMERSIBLE DEIONIZED WATER PID LDPE TUBING WQ METER BLADDER POTABLE WATER GEOPROBE SCREEN OTHER PDB NITRIC ACID OTHER TURB. METER WATTERA HYDRASLEEVE HEXANE OTHER OTHER **PUMP** OTHER PDB **METHANOL** OTHER **OTHER** OTHER **FILTERS** TYPE ANALYTICAL PARAMETERS PRESERVATION **FIELD PARAMETER** METHOD NUMBER ANALYTE LIST VOLUME REQUIRED QC COLLECTED FILTERED **METHOD** N VOC 8260 Full List HCL x2 40mL VOA Sodium USEPA ICP 6010 N HNO3 250ml N Bromide & Flouride USEPA ICP 300.0 None 250ml **PURGE OBSERVATIONS NOTES:** PURGE WATER NO NUMBER OF GALLONS YES Grab Sample - No parameters CONTAINERIZED GENERATED

DEVIATIONS FROM THE WORK PLAN:

NO-PURGE METHOD

UTILIZED

Sampler Signature:

Checked By: JJM

YES

Michael Ladny

NO

Print Name:

Date: 1/5/2023

Michael Ladny

GRAB SAMPLING RECORD - WATER PROJECT NAME LOCATION ID DATE MACTEC NYSDEC Baldwin Place MW-12M 9/2/2022 PROJECT NUMBER START TIME END TIME 3616206104.06.**** 10:05 10:27 511 Congress Street SAMPLE TIME SITE NAME/INSTALLATION SAMPLE ID **PAGE** Suite 200 10:11/10:13 360023-MW0012M Baldwin Place OF Portland, Maine 04101 **SAMPLE TYPE:** X GROUNDWATER SURFACE WATER STORM WATER DRINKING WATER PORE WATER OTHER: FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP) **TURBIDITY** REDOX DISS. O₂ (mg/L) **PUMP** CONDUCTANCE **PURGE RATE** TEMP. (°C) pH (units) (ntu) DTW (FT) TIME INTAKE **COMMENTS** $\pm 10\%$ or 3 values (mv) (mL/min) $\pm 3\%$ (mS/cm) ± 0.1 ±10% and <10 ntu DEPTH (ft) <0.5 mg/L $\pm 10 \; mv$ or 3 values <5 ntu 10:20 12.72 **FEMP**.: nearest degree (ex. 10.1 = 10) COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69) pH: nearest tenth (ex. 5.53 = 5.5) FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures) **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** DECON FLUIDS USED TYPE OF PUMP TUBING/PUMP/BLADDER MATERIALS **EQUIPMENT USED** WL METER SILICON TUBING S. STEEL PUMP MATERIAL PERISTALTIC ALCONOX HDPE TUBING SUBMERSIBLE DEIONIZED WATER PVC PUMP MATERIAL PID WQ METER BLADDER LDPE TUBING GEOPROBE SCREEN POTABLE WATER WATTERA NITRIC ACID OTHER PDB TURB. METER OTHER HYDRASLEEVE HEXANE OTHER **OTHER PUMP** OTHER PDB **METHANOL OTHER** OTHER OTHER **FILTERS** TYPE ANALYTICAL PARAMETERS **FIELD** PRESERVATION PARAMETER METHOD NUMBER ANALYTE LIST VOLUME REQUIRED QC COLLECTED **FILTERED METHOD** N VOC 8260 Full List HCL x2 40mL VOA Sodium USEPA ICP 6010 N HNO3 250ml Bromide & Flouride USEPA ICP 300.0 N 250ml None **PURGE OBSERVATIONS NOTES:**

Grab Sample - No parameters

DEVIATIONS FROM THE WORK PLAN:

NUMBER OF GALLONS

Print Name:

Date: 1/5/2023

Michael Ladny

GENERATED

NO

NO

YES

YES

Michael Ladny

PURGE WATER

UTILIZED

CONTAINERIZED

Sampler Signature:

Checked By: JJM

NO-PURGE METHOD

GRAB SAMPLING F	RECORD - WATER
PROJECT NAME	
NYSDEC Baldwin P	lace
PROJECT NUMBER	
3616206104.06.**	**
SAMPLE ID	SAMPLE TIME
360023-MW0012S1	9:47/9:49

LOCATION ID	DATE						
MW-12S1	9/2/2022						
START TIME	END TIME						
9:45	10:00						
SITE NAME/INSTALLATION	PAGE						
Baldwin Place	1 OF 1						

	511 Congress Suite 200		SAMPLE	ID 360023-MW0012	001	SAMPLE TIN 9:47/9:		SITE NAME/INSTALLATION PAGE Baldwin Place 1 OF			
SAMPLI	Portland, Maine E TYPE: X GR		SURFACE WAT			DRINKING WATER PORE WATER OTHE				1 Or 1	
FIELD PARA	DTW (FT)	PURGE RATE (mL/min)		RIA (AS LISTED IN T SP. CONDUCTANCE (mS/cm) ±3%	DISS. O ₂ (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS	
9:57	9.72										
	F	INAL STABILIZ	EED FIELD PARAM	ETERS (rounded to	appropriate sign	ificant figures	s)		pH : nearest tenth (ex DO : nearest tenth (ex	t figure (SF) max (ex. 1.686 = 1.69) 5. 5.53 = 5.5) 6. 3.51 = 3.5) earest tenth (6.19 = 6.2, 101 = 101)	
SUBMERSIBLE x BLADDER WATTERA HYDRASLEEVE OTHER PDB		x D PO N H	LCONOX EIONIZED WATER OTABLE WATER ITRIC ACID EXANE IETHANOL THER	D WATER HDPE TUBING WATER LDPE TUBING CID x OTHER PDB OTHER		S. STEEL PUMP PVC PUMP MAT GEOPROBE SCR OTHER OTHER OTHER		ΔL	X WL METE PID WQ METE TURB. ME PUMP OTHER	ER	
ANALYTICA	AL PARAMETER PARAMET	RS	METHOD NUMBER	ANALYTE I	1 18 1	FIELD LTERED	PRESERVA METHO	\/(\) \	ME REQUIRED	QC COLLECTED	
X	VOC		8260			N HCL			40mL VOA		
X	Sodium Bromide & Fl		USEPA ICP 6010 USEPA ICP 300.0			N N	HNO3 None		250ml 250ml		
PURGE OBS PURGE WAT CONTAINER NO-PURGE UTILIZED	RIZED		NUMBER OF GALLO GENERATED	ONS	NOTE Gra	S: b Sample - No p	parameters				
	ature: Michae		Print Name:	Michael Ladny	DEVI	ATIONS FROM	M THE WOR	RK PLAN:			
Sampler Signa Checked By:		. Launy	Date: 1/5/2023	Michael Launy							

Checked By: JJM

RECORD - WATER
n Place

SAMPLE TIME
9:22/9:27
ľ

LOCATION ID	DATE
MW-101M	9/2/2022
START TIME	END TIME
9:20	9:30
SITE NAME/INSTALLATION	PAGE
Baldwin Place	1 OF 1

					361620	06104.06.****			9	:20	9:30	1
	511 Congress S Suite 200			SAMPLE II	D		SAMPLE TI	ME	SITE NAME/INS	TALLATION	PAGE	
	Portland, Maine				360023-MW0101	M	9:22/9:	27	Baldw	in Place	1 OF	1
SAMPLI	E TYPE: X GRO		SURF	FACE WATE	STORM	WATER	DRINKING W	VATER	PORE WATER	OTHER:		
FIELD PARA	AMETERS WITH	PROGRAM S	TABILIZATI	ON CRITE	RIA (AS LISTED IN T	THE QPP)						
TIME	DTW (FT)	PURGE RAT		P. (°C)	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O ₂ (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	СОММЕ	ENTS
9:29	11.85											
	FI	 NAL STABIL	IZED FIELI) PARAME	ETERS (rounded to	appropriate sign	l nificant figure	s)		TEMP.: nearest degree COND.: 3 significant f pH: nearest tenth (ex. 5	figure (SF) max (ex. 1.68	6 = 1.69)
										DO: nearest tenth (ex. TURB: 3 SF max, near	3.51 = 3.5) rest tenth $(6.19 = 6.2, 10)$	1 = 101)
EQUIDMENT	DOCUMENTATION	OM								ORP : $2 \text{ SF } (44.1 = 44,$		
PERIST SUBME BLADD WATTE	ERSIBLE DER ERA ASLEEVE	X X	DECON FLUI ALCONOX DEIONIZED V POTABLE WA NITRIC ACID HEXANE METHANOL OTHER	WATER ATER	SILICON TU HDPE TUBIN LDPE TUBIN X OTHER PDB OTHER	NG NG	S. STEE PVC PU	EL PUMP MA' IMP MATERI OBE SCREEN	AL	X WL METER PID	DIPMENT USED R CER NO TYPE	
ANALYTICA	AL PARAMETER	S				,	EIEL D	DDECEDIA	ATION			
	PARAMETI	ER	METHOD N	UMBER	ANALYTE L	ICT:	FIELD LTERED	PRESERVA METHO	V()	ME REQUIRED	QC COLLI	ECTED
X	VOC		8260)	Full List		N	HCL		40mL VOA		
X	Sodium		USEPA IC				N	HNO		250ml		
		 -						•		•		
X	Bromide & Flo	ouride	USEPA IC	P 300.0			N	None	<u> </u>	250ml	-	 -
PURGE OBS	SERVATIONS					NOTE	S:					
PURGE WAT CONTAINER NO-PURGE UTILIZED	RIZED		NUMBER GENERA	OF GALLO ΓED	NS		Grab Sample -	No paramete	ers			
Sampler Signa	ature: Michael	Ladny	Print 1	Name: N	Michael Ladny	DEVIA	ATIONS FROM	M THE WO	RK PLAN:			

MACTEC 511 Congress Street

GRAB SAMPLING RECORD - WATER						
PROJECT NAME		LOC				
NYSDEC Baldwin Place						
PROJECT NUMBER		STAI				
3616206104.06.****						
SAMPLE ID	SAMPLE TIME	SITE				
360023-RW001S	11:24-12:01					

LOCATION ID	DATE
RW-1S	9/2/2022
START TIME	END TIME
11:22	12:39
SITE NAME/INSTALLATION	PAGE
Baldwin Place	1 OF 1

	Suite 200 Portland, Maine				360023-RW001	S	11:24-1	2:01	Baldw	vin Place	1 OF 1
SAMPL	E TYPE: X GR		SURFA	ACE WAT	ER STORM	WATER	DRINKING V	WATER	PORE WATER	OTHER:	
TELD PAR	AMETERS WITH	I PROGRAM ST	TABILIZATIO	N CRITE	RIA (AS LISTED IN	ТНЕ ОРР)					
TIME	DTW (FT)	PURGE RAT (mL/min)		. (°C)	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O ₂ (mg/L ±10% or 3 values <0.5 mg/L	· I DH (IIDITE)	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
12:07	8.51										
	FI	INAL STABIL	IZED FIELD	PARAM	ETERS (rounded to	appropriate sig	nificant figure	es)			figure (SF) max (ex. $1.686 = 1.69$)
										pH: nearest tenth (ex. DO: nearest tenth (ex. TURB: 3 SF max, nea ORP: 2 SF (44.1 = 44	3.51 = 3.5) wrest tenth $(6.19 = 6.2, 101 = 101)$
BLADE WATTE HYDRA OTHER	ERSIBLE DER ERA ASLEEVE R PDB	X X	ALCONOX DEIONIZED W POTABLE WA' NITRIC ACID HEXANE METHANOL OTHER		SILICON TU HDPE TUBI LDPE TUBI X OTHERPDE OTHER	ING NG	PVC PU	<u> </u>	L	PID	R TER NO TYPE
NALYTIC.	AL PARAMETER PARAMET		METHOD NU	JMBER	ANALYTE I	LIST F	FIELD ILTERED	PRESERVAT METHOL	\/()	ME REQUIRED	QC COLLECTED
X	VOC		8260		Full List	<u> </u>	N N	HCL		10mL VOA	
X	Sodium Bromide & Fl.		USEPA ICP				N N	HNO3 None		250ml 250ml	
PURGE WAT			NUMBER (GENERATI		ONS		ab Sample - No		., 25' - 11:39, 30' - 1	1:45, 35' - 11:48, 40)'- 11:54, 45'- 12:01
Sampler Signa	ature: Michael	l Ladny	Print N	ame:	Michael Ladny	DEV	IATIONS FRO	M THE WOR	K PLAN:		
Checked By:			Date:	1/5/2023							

MACTEC 511 Congress Street

PROJECT NAME	
NYSDEC Baldwin Place	
PROJECT NUMBER	
3616206104.06.****	
SAMPLE ID	SAMPLE TIME
360023-RW002D	12:43-13:10

GRAB SAMPLING	RECORD - WATI	ER	
NAME		LOCATION ID	DATE
NYSDEC Baldwir	1 Place	RW-2D	9/2/2022
NUMBER		START TIME	END TIME
3616206104.06.	***	12:40	13:35
D	SAMPLE TIME	SITE NAME/INSTALLATION	PAGE
360023-RW002D	12:43-13:10	Baldwin Place	1 OF 1

	Suite 200 Portland, Maine			360023-RW002	D	12:43-1	3:10	Baldw	vin Place	1 OF 1
SAMPI	L E TYPE: X GR	OUNDWATEI	SURFACE W.	ATER STORM	WATER	DRINKING V	WATER	PORE WATER	OTHER:	
FIELD PAR	RAMETERS WITH	PROGRAM	STABILIZATION CRI	TERIA (AS LISTED IN	THE QPP)					
TIME	DTW (FT)	PURGE RA (mL/min	TE TEMP. (°C)	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O ₂ (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	(ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
13:15	10.5									
	FI	NAL STABII	LIZED FIELD PARA	METERS (rounded to	appropriate sign	nificant figur	res)		pH : nearest tenth (ex. DO : nearest tenth (ex.	figure (SF) max (ex. 1.686 = 1.69) 5.53 = 5.5) 3.51 = 3.5)
									TURB : 3 SF max, nea ORP : 2 SF (44.1 = 44	arest tenth (6.19 = 6.2, 101 = 101) 4. 191 = 190)
PERIS SUBM BLAD WATT HYDR X OTHE	T DOCUMENTATI TYPE OF PUMP TALTIC IERSIBLE DER TERA RASLEEVE R PDB CAL PARAMETER PARAMET	x x	DECON FLUIDS USED ALCONOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER METHOD NUMBER	SILICON TO HDPE TUBI LDPE TUBI OTHER PDI	ING ING B	S. STE. PVC PU GEOPH OTHEL	EL PUMP MAT UMP MATERIA ROBE SCREEN R R	TION VOLUM	X WL METER	NO. TYPEQC COLLECTED
X	VOC		8260	Full List	<u> </u>	N	HCL	x2_4	40mL VOA	
X	Sodium Bromide & Flo		USEPA ICP 6010 USEPA ICP 300.0			N N	HNO3 None		250ml 250ml	
	SERVATIONS				NOTE					
PURGE WA CONTAINE NO-PURGI UTILIZED	ERIZED YE		NUMBER OF GAI GENERATED	LLUNS	55'	·	2:48, 65' - 12:5	5, 70' - 12:58, 75' - 1	13:06, 80' - 13:10	
Sampler Sign		Ladny	Print Name:	Michael Ladny	DEVIZ	A HUNS FKU	OM THE WOR	KK PLAN:		
Checked By:	JJM		Date: 1/5/2023	5						

GRAB SAMPLING RECORD - WATER PROJECT NAME LOCATION ID DATE MACTEC NYSDEC Baldwin Place MW-5S 12/1/2022 PROJECT NUMBER START TIME END TIME 3616206104.06.**** 9:30 9:35 511 Congress Street SITE NAME/INSTALLATION SAMPLE ID SAMPLE TIME **PAGE** Suite 200 360023-MW005S015 9:33 Baldwin Place OF Portland, Maine 04101 SAMPLE TYPE: X GROUNDWATER SURFACE WATER STORM WATER DRINKING WATER PORE WATER OTHER: FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP) **TURBIDITY** DISS. O₂ (mg/L) REDOX **PUMP** PURGE RATE CONDUCTANCE TEMP. (°C) pH (units) (ntu) DTW (FT) TIME $\pm 10\%$ or 3 values INTAKE **COMMENTS** (mv) (mL/min) $\pm 3\%$ (mS/cm) ± 0.1 $\pm 10\%$ and ≤ 10 ntu DEPTH (ft) <0.5 mg/L $\pm 10\;mv$ or 3 values <5 ntu 9:08 7.90 **TEMP**.: nearest degree (ex. 10.1 = 10) **COND.**: 3 significant figure (SF) max (ex. 1.686 = 1.69) **pH**: nearest tenth (ex. 5.53 = 5.5) FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures) **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** S. STEEL PUMP MATERIAL WL METER PERISTALTIC SILICON TUBING ALCONOX HDPE TUBING PVC PUMP MATERIAL SUBMERSIBLE DEIONIZED WATER PID LDPE TUBING BLADDER POTABLE WATER GEOPROBE SCREEN WQ METER WATTERA OTHER PDB TURB. METER NITRIC ACID OTHER HYDRASLEEVE HEXANE OTHER OTHER **PUMP** OTHER Passive Diffusion Bag **METHANOL** OTHER **OTHER** OTHER **FILTERS** TYPE ANALYTICAL PARAMETERS **FIELD PRESERVATION** VOLUME REQUIRED **PARAMETER** METHOD NUMBER ANALYTE LIST QC COLLECTED FILTERED **METHOD** N VOC 8260 Full List HCL x3 40mL VOA Sodium USEPA ICP 6010 N HNO3 N Bromide & Flouride USEPA ICP 300.0 None **PURGE OBSERVATIONS NOTES:**

DEVIATIONS FROM THE WORK PLAN:

PURGE WATER

UTILIZED

CONTAINERIZED

NO-PURGE METHOD

Checked By: Michael ladny

Sampler Signature: JOSHUA MINARDI

NO

NO

YES

YES

NUMBER OF GALLONS

Print Name:

Date: 1/5/2023

JJM

GENERATED

PROJECT NAME	
NYSDEC Baldwin	Place
PROJECT NUMBER	
3616206104.06.*	****
SAMPLE ID	SAMPLE TIME
360023-MW007D083	13:01

GRAB SAMPLING REC	CORD - WATE	R				
T NAME			LOCATION ID	DATE		
NYSDEC Baldwin Place			MW-7D		12/1/2022	
T NUMBER			START TIME	END TIMI	E	
3616206104.06.****			13:00		13:30	
E ID	SAMPLE TIME		SITE NAME/INSTALLATION	PAGE		
360023-MW007D083	13:01		Baldwin Place	1	OF	1

	-11 ~	~			06104.06.****	_			3:00		5:30
	511 Congress Suite 200		SAMPLE			SAMPLE TIN		SITE NAME/INS		PAGE	
	Portland, Maine			360023-MW007D	083	13:01		Baldw	rin Place	1 O)F 1
SAMPL	LE TYPE: X GR	OUNDWATER	SURFACE WAT	ER STORM	WATER	DRINKING W	/ATER	PORE WATER	OTHER:		
FIELD PAR	RAMETERS WITH	PROGRAM STABI	LIZATION CRITE	RIA (AS LISTED IN T	THE QPP)						
TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O ₂ (mg/L) ±10% or 3 values <0.5 mg/L	I DH (IIDIE)	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMN	MENTS
13:01	14.35										
	FI	NAL STABILIZEI) FIELD PARAM	ETERS (rounded to	appropriate sign	nificant figures	s)		TEMP.: nearest degre COND.: 3 significant pH: nearest tenth (ex. DO: nearest tenth (ex.	figure (SF) max (ex. 1. $5.53 = 5.5$)	686 = 1.69)
									TURB: 3 SF max, nea ORP: 2 SF (44.1 = 44	rest tenth $(6.19 = 6.2,$	101 = 101)
BLAD: WATT	ERA ASLEEVE	X POTA NITR HEX	HANOL	HDPE TUBI LDPE TUBI X OTHER PDE OTHER	NG			L	WQ METER	RETER TYP	
ANALYTIC	CAL PARAMETER PARAMET		THOD NUMBER	ANALYTE I	181	FIELD ILTERED	PRESERVAT METHOL	V/() N	1E REQUIRED	QC COL	LECTED
X	VOC		8260	Full List		N	HCL		10mL VOA	Y	
X	Sodium		SEPA ICP 6010			N	HNO3				
X	Bromide & Flo	ouride O	SEPA ICP 300.0			N	None				
PURGE WA	RIZED YES	G	UMBER OF GALLO	ONS	NOT	£S:					
Sampler Sigr	nature: <i>JOSHUA MI</i> N	<i>IARDI</i>	Print Name:	JJM		ATIONS FROM AQC for VOCs or		K PLAN:			
Checked By:	Michael Ladny		Date: 1/5/2023								

GRAB SAMPLING RECORD - WATER **MACTEC**

PROJECT NAME	
NYSDEC Baldwin	Place
PROJECT NUMBER	
3616206104.06.*	***
SAMPLE ID	SAMPLE TIME
360023-MW007M1030	12:39

LOCATION ID	DATE						
MW-7M1	12/1/2022						
START TIME	END TIME						
12:35	12:45						
SITE NAME/INSTALLATION	PAGE						
Baldwin Place	1 OF 1						

					3616206104.06.****						12	12:45				
511 Congress Street Suite 200					SAMPLE ID				AMPLE TI	ME	SITE NAME/INS	TALLATION	PAGE			
Suite 200 Portland, Maine 04101					360023-MW007M1030				12:39			rin Place	1	OF	1	
SAN	MPLE TYPE: X GR		ATER	SURFACE '	WATER	STORM	WATER	D:	RINKING W	VATER	PORE WATER	OTHER:				
FIELD 1	PARAMETERS WITH	PROGR	AM ST	ABILIZATION CI	RITERI	A (AS LISTED IN T SP.	THE QPP)			1	THE DIDITION AND ADDRESS OF THE PROPERTY.					
TIME	DTW (FT) PURGE RA (mL/min)			TEMP. (°C)) (CONDUCTANCE (mS/cm) ±3%	DISS. O ₂ (mg) ±10% or 3 valu <0.5 mg/L	lues	pH (units) ±0.1	REDOX (mv) ±10 mv	turbility (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS		ΓS	
12:39	12.8															
FINAL STABILIZED FIELD PARAMETERS (rounded to appropri									ate significant figures)				TEMP.: nearest degree (ex. 10.1 = 10) COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69) pH: nearest tenth (ex. 5.53 = 5.5)			
												DO : nearest tenth (ex. TURB : 3 SF max, nea ORP : 2 SF (44.1 = 44	3.51 = 3.5) arest tenth (6.19)	= 6.2, 101 = 1	101)	
EQUIPM	ENT DOCUMENTAT	ION														
PERISTALTIC X A SUBMERSIBLE II BLADDER X F WATTERA N HYDRASLEEVE F X OTHER Passive Diffusion Bag		DECON FLUIDS US ALCONOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER		SILICON TU HDPE TUBI LDPE TUBI X OTHERPDE OTHER	JBING ING NG	MP/BLA	MP/BLADDER MATERIALS S. STEEL PUMP MATERIAL PVC PUMP MATERIAL GEOPROBE SCREEN OTHER OTHER OTHER		AL	X WL METER PID WQ METER TURB. MET PUMP OTHER FILTERS	R					
ANALY	TICAL PARAMETER	RS		<u> </u>												
			METHOD NUMB	ER	ANALYTE I	LIST	FIELD PRESERV FILTERED METH			\/() N	QC	COLLECT	TED			
X	X VOC			8260		Full List	<u> </u>	1	1	HCL	x3 4	10mL VOA				
X	K Sodium			USEPA ICP 6010	0			1	HNC		<u> </u>					
X	X Bromide & Flouride			USEPA ICP 300.	0			1	1	None						
PURGE	OBSERVATIONS					-	NO	OTES:								
CONTA	WATER YE INERIZED RGE METHOD YE IED			NUMBER OF G GENERATED	ALLON	S										
- 1 ILIZ							DI	EVIAT	ONS FRO	M THE WOF	RK PLAN:					
Sampler	Signature: JOSHUA MIN	NARDI		Print Name:	JJ	M										
Checked By: Michael Ladny Date: 1/5/2023																

GRAB SAMPLING RECORD - WATER PROJECT NAME LOCATION ID DATE MACTEC NYSDEC Baldwin Place MW-7M2 12/1/2022 PROJECT NUMBER START TIME END TIME 3616206104.06.**** 12:48 12:52 511 Congress Street SITE NAME/INSTALLATION SAMPLE ID SAMPLE TIME **PAGE** Suite 200 360023-MW007M2040 12:50 Baldwin Place OF Portland, Maine 04101 SAMPLE TYPE: X GROUNDWATER SURFACE WATER STORM WATER DRINKING WATER PORE WATER OTHER: FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP) **TURBIDITY** DISS. O₂ (mg/L) REDOX **PUMP** PURGE RATE CONDUCTANCE TEMP. (°C) pH (units) (ntu) DTW (FT) TIME $\pm 10\%$ or 3 values INTAKE **COMMENTS** (mv) (mL/min) $\pm 3\%$ (mS/cm) ± 0.1 $\pm 10\%$ and < 10 ntu DEPTH (ft) <0.5 mg/L $\pm 10\;mv$ or 3 values <5 ntu 12:50 13.6 **TEMP**.: nearest degree (ex. 10.1 = 10) COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69) pH: nearest tenth (ex. 5.53 = 5.5) FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures) **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** WL METER PERISTALTIC SILICON TUBING S. STEEL PUMP MATERIAL ALCONOX HDPE TUBING PVC PUMP MATERIAL SUBMERSIBLE DEIONIZED WATER PID LDPE TUBING GEOPROBE SCREEN BLADDER POTABLE WATER WQ METER WATTERA OTHER PDB TURB. METER NITRIC ACID OTHER HYDRASLEEVE HEXANE OTHER OTHER **PUMP** OTHER Passive Diffusion Bag **METHANOL** OTHER **OTHER** OTHER **FILTERS** TYPE ANALYTICAL PARAMETERS **FIELD PRESERVATION** VOLUME REQUIRED **PARAMETER** METHOD NUMBER ANALYTE LIST QC COLLECTED FILTERED **METHOD** N VOC 8260 Full List HCL x3 40mL VOA Sodium USEPA ICP 6010 N HNO3 N Bromide & Flouride USEPA ICP 300.0 None **PURGE OBSERVATIONS NOTES:**

DEVIATIONS FROM THE WORK PLAN:

PURGE WATER

UTILIZED

CONTAINERIZED

NO-PURGE METHOD

Checked By: Michael Ladny

Sampler Signature: JOSHUA MINARDI

NO

NO

YES

YES

NUMBER OF GALLONS

Print Name:

Date: 1/5/2023

JJM

GENERATED

MACTEC

PROJECT NAME						
NYSDEC Baldwin Place						
PROJECT NUMBER						
3616206104.06.****						
SAMPLE ID	SAMPLE TIME					
360023-MW007S017	12:26					

GRAB SAMPLING REC	CORD - WATE	R	
CT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		MW-7S	12/1/2022
CT NUMBER		START TIME	END TIME
3616206104.06.****		12:20	12:28
E ID	SAMPLE TIME	SITE NAME/INSTALLATION	PAGE
360023-MW007S017	12:26	Baldwin Place	1 OF 1

	511 Congress S			SAMPLE ID				SAMPLE TIME SITE NAME/IN				NSTALLATION PAGE				
	Suite 200 Portland, Maine			360023-MW007S017				12:26 Baldy			ıldwin P	dwin Place 1 OF			1	
SAMPL	E TYPE: X GRO		R SURFA	ACE WATER STORM WATER				DRINKING '	WATER [PORE WATER	R	OTHER:				
FIELD PAR	AMETERS WITH	PROGRAM S	STABILIZATIO	N CRITE	RIA (AS I	LISTED IN T	THE QPP)									
TIME	DTW (FT)	PURGE RA (mL/min)	те темр	. (°C)	COND (n	SP. JUCTANCE nS/cm) ±3%	DISS. O ₂ (n ±10% or 3 v <0.5 mg/	alues	pH (units) ±0.1	(mv) ±10 mv	(ntu)	ntu D	PUMP INTAKE EPTH (ft)	C	COMMENTS	
12:26	12.71															
										 						
	FI	NAL STABI	LIZED FIELD	PARAM	ETERS ((rounded to	appropriate	signif	icant figure	es)		CO	MP.: nearest degr ND.: 3 significan : nearest tenth (ex	t figure (SF) max	0) x (ex. 1.686 = 1.69	9)
												TU		earest tenth (6.19	= 6.2, 101 = 101	.)
EQUIPMENT	T DOCUMENTATI	ON			l							OR	P : 2 SF (44.1 = 4	4, 191 = 190)		
PERIST SUBMI BLADI WATTI	ASLEEVE		DECON FLUID ALCONOX DEIONIZED WAT POTABLE WAT NITRIC ACID HEXANE METHANOL OTHER	ATER	X	SILICON TO HDPE TUB LDPE TUB OTHER PDI OTHER	UBING ING ING		PVC PI GEOPI	EL PUMP M UMP MATEI ROBE SCRE	RIAL	X	WL METE PID WQ METE TURB. ME PUMP OTHER			
ANALYTIC	CAL PARAMETER PARAMETI		METHOD NU	JMBER		ANALYTE	LIST		IELD	PRESERV	V/()I	UME R	REQUIRED	QC	C COLLECTE	D
X	VOC		8260			Full Lis	t	FIL	TERED N	METH HC		x3 40m]	LVOA			
X	Sodium		USEPA ICP			Tull Lis	<u> </u>		N	HNO		X3 40III	LVOA			
X	Bromide & Flo	ouride	USEPA ICP						N	Nor						
											<u> </u>					
PURGE OBS	SERVATIONS							NOTES	:							
PURGE WAT CONTAINER		S NO	NUMBER C GENERATE		NS											
	E METHOD YES	S NO	GLIVERATI	LD .												
UTILIZED																
Sampler Sign	nature: <i>JOSHUA MIN</i>	'ARDI	Print Na	ame:	JJM			DEVIA	TIONS FRO	M THE W	ORK PLAN:					
Checked By:	Michael Ladny		Date:	1/5/2023												

GRAB SAMPLING RECORD - WATER PROJECT NAME LOCATION ID DATE **MACTEC** NYSDEC Baldwin Place MW-12M 12/1/2022 PROJECT NUMBER START TIME END TIME 3616206104.06.**** 10:24 10:28 511 Congress Street SAMPLE ID SITE NAME/INSTALLATION SAMPLE TIME PAGE Suite 200 360023-MW12M042 10:26 Baldwin Place OF 1 1 Portland, Maine 04101 **SAMPLE TYPE:** X GROUNDWATER SURFACE WATER STORM WATER DRINKING WATER PORE WATER OTHER: FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP) SP. **TURBIDITY** DISS. O₂ (mg/L) REDOX **PUMP** CONDUCTANCE **PURGE RATE** TEMP. (°C) pH (units) (ntu) TIME DTW (FT) INTAKE **COMMENTS** $\pm 10\%$ or 3 values (mv) (mL/min) $\pm 3\%$ (mS/cm) ± 0.1 $\pm 10\%$ and ≤ 10 ntu DEPTH (ft) <0.5 mg/L $\pm 10 \; mv$ or 3 values <5 ntu 10:26 10.5 **FEMP**.: nearest degree (ex. 10.1 = 10) **COND.**: 3 significant figure (SF) max (ex. 1.686 = 1.69) **pH**: nearest tenth (ex. 5.53 = 5.5) FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures) **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** DECON FLUIDS USED **EQUIPMENT USED** TYPE OF PUMP TUBING/PUMP/BLADDER MATERIALS PERISTALTIC SILICON TUBING WL METER ALCONOX S. STEEL PUMP MATERIAL HDPE TUBING PVC PUMP MATERIAL SUBMERSIBLE DEIONIZED WATER PID LDPE TUBING BLADDER GEOPROBE SCREEN WQ METER POTABLE WATER WATTERA TURB. METER NITRIC ACID OTHER PDB OTHER HEXANE OTHER Hydrosleeve HYDROSLEEVE OTHER **PUMP** OTHER Passive Diffusion Bag **METHANOL** OTHER OTHER OTHER **FILTERS** TYPE ANALYTICAL PARAMETERS **FIELD** PRESERVATION **PARAMETER** METHOD NUMBER ANALYTE LIST VOLUME REQUIRED QC COLLECTED **FILTERED METHOD** N VOC 8260 Full List HCL x3 40mL VOA USEPA ICP 6010 N HNO3 Sodium Bromide & Flouride USEPA ICP 300.0 N None **PURGE OBSERVATIONS NOTES:**

DEVIATIONS FROM THE WORK PLAN:

PURGE WATER

UTILIZED

CONTAINERIZED

NO-PURGE METHOD

Checked By: Michael Ladny

Sampler Signature: JOSHUA MINARDI

NUMBER OF GALLONS

Print Name:

Date: 1/5/2023

JJM

GENERATED

NO

NO

YES

GRAB SAMPLING RECORD - WATER PROJECT NAME LOCATION ID DATE MACTEC NYSDEC Baldwin Place MW-12S 12/1/2022 PROJECT NUMBER START TIME END TIME 3616206104.06.**** 10:51 11:05 511 Congress Street SITE NAME/INSTALLATION SAMPLE ID SAMPLE TIME **PAGE** Suite 200 360023-MW0012S033,038 10:52/11:00 Baldwin Place OF Portland, Maine 04101 **SAMPLE TYPE:** X GROUNDWATER SURFACE WATER STORM WATER DRINKING WATER PORE WATER OTHER: FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP) **TURBIDITY** DISS. O₂ (mg/L) REDOX **PUMP** CONDUCTANCE **PURGE RATE** TEMP. (°C) pH (units) (ntu) DTW (FT) TIME $\pm 10\%$ or 3 values INTAKE **COMMENTS** (mv) (mL/min) $\pm 3\%$ (mS/cm) ± 0.1 $\pm 10\%$ and < 10 ntu DEPTH (ft) <0.5 mg/L $\pm 10\;mv$ or 3 values <5 ntu 11:00 12.5 **TEMP**.: nearest degree (ex. 10.1 = 10) COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69) pH: nearest tenth (ex. 5.53 = 5.5) FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures) **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** WL METER PERISTALTIC SILICON TUBING S. STEEL PUMP MATERIAL ALCONOX HDPE TUBING PVC PUMP MATERIAL SUBMERSIBLE DEIONIZED WATER PID LDPE TUBING BLADDER POTABLE WATER GEOPROBE SCREEN WQ METER WATTERA OTHER PDB TURB. METER NITRIC ACID OTHER HYDRASLEEVE HEXANE OTHER OTHER **PUMP** OTHER Passive Diffusion Bag **METHANOL** OTHER **OTHER** OTHER **FILTERS** TYPE ANALYTICAL PARAMETERS **FIELD PRESERVATION PARAMETER** METHOD NUMBER ANALYTE LIST VOLUME REQUIRED QC COLLECTED FILTERED **METHOD** N VOC 8260 Full List HCL x3 40mL VOA Sodium USEPA ICP 6010 N HNO3 N Bromide & Flouride USEPA ICP 300.0 None **PURGE OBSERVATIONS NOTES:** PURGE WATER NO NUMBER OF GALLONS YES CONTAINERIZED GENERATED

DEVIATIONS FROM THE WORK PLAN:

NO-PURGE METHOD

Checked By: Michael Ladny

Sampler Signature: JOSHUA MINARDI

UTILIZED

YES

NO

Print Name:

Date: 1/5/2023

JJM

MACTEC

GRAB SAMPLING	RECORD - WATER
PROJECT NAME	
NYSDEC Baldwin	Place
PROJECT NUMBER	
3616206104.06.	****
SAMPLE ID	SAMPLE TIME
360023-MW0012SI15	10:20

LOCATION ID	DATE
MW-12SI	12/1/2022
START TIME	END TIME
10:19	10:22
SITE NAME/INSTALLATION	PAGE
Baldwin Place	1 OF 1

	511 Congress S		SAMPLE	ID		SAMPLE TI	ME	SITE NAME/INS	TALLATION	PAGE
	Suite 200 Portland, Maine			360023-MW0012S	SI15	10:20	0	Baldw	in Place	1 OF 1
SAMPL	LE TYPE: X GROUNDWATER SURFACE WATER STORM WATER DRINKING WATER PORE WATER OTHER:									
FIELD PAR	RAMETERS WITH	PROGRAM S	STABILIZATION CRIT		THE QPP)					
ТІМЕ	DTW (FT)	PURGE RA (mL/min)		SP. CONDUCTANCE (mS/cm) ±3%	DISS. O ₂ (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	(ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
10:20	7.3									
	 FII	 NAL STABII	LIZED FIELD PARAM	 IETERS (rounded to	appropriate sign	 nificant figure	es)		TEMP.: nearest degr COND.: 3 significant pH: nearest tenth (ex	t figure (SF) max (ex. $1.686 = 1.69$)
									DO: nearest tenth (ex	3.51 = 3.5 earest tenth $(6.19 = 6.2, 101 = 101)$
_	T DOCUMENTATI TYPE OF PUMP	ON	DECON FLUIDS USED		TUBING/PUMP/I	DI ADDED MAT	redial c		EC	OLIIDMENT LICED
	TALTIC	X	ALCONOX	SILICON TU			<u>ierials</u> EL PUMP MAT	TERIAL	X WL METE	<u>DUIPMENT USED</u> R
SUBM BLADI	ERSIBLE	X	DEIONIZED WATER POTABLE WATER	HDPE TUBI			JMP MATERIA ROBE SCREEN		PID	R
WATT		^	NITRIC ACID	X OTHER PDE			ROBE SCREEN		TURB. ME	TER
	ASLEEVE		HEXANE	OTHER					PUMP _	
X OTHEI	R Passive Diffusion	on Bag	METHANOL OTHER			OTHER	·		OTHER FILTERS	NO. TYPE
ANALYTIC	CAL PARAMETER	as	<u> </u>							
	PARAMET	ER	METHOD NUMBER	ANALYTE I	LIST FII	FIELD LTERED	PRESERVA METHO	DD VOLUN	ME REQUIRED	QC COLLECTED
X	VOC		8260	Full List	<u> </u>	N	HCL		10mL VOA	
X	Sodium Dramida & Ela		USEPA ICP 6010			N N	HNO3	•		
X	Bromide & Flo	buride	USEPA ICP 300.0			IN	None			
ΙП										
PURGE OB	SERVATIONS				NOTE	S:				
PURGE WA' CONTAINEI NO-PURGE UTILIZED	RIZED YES		NUMBER OF GALL GENERATED	ONS						
	<u></u>				DEVI	ATIONS FRO	M THE WOR	RK PLAN:		
Sampler Sign	nature: <i>JOSHUA MIN</i>	JARDI	Print Name:	JJM						
Checked By:	Michael Ladny		Date: 1/5/2023							

GRAB SAMPLING RECORD - WATER PROJECT NAME LOCATION ID DATE **MACTEC** NYSDEC Baldwin Place MW-101M 12/1/2022 PROJECT NUMBER START TIME END TIME 3616206104.06.**** 9:59 10:04 511 Congress Street SITE NAME/INSTALLATION SAMPLE ID SAMPLE TIME **PAGE** Suite 200 360023-MW101M041 10:00 Baldwin Place OF 1 Portland, Maine 04101 **SAMPLE TYPE:** X GROUNDWATER DRINKING WATER PORE WATER OTHER: SURFACE WATER STORM WATER FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP) **TURBIDITY** DISS. O₂ (mg/L) REDOX **PUMP** CONDUCTANCE **PURGE RATE** TEMP. (°C) pH (units) (ntu) TIME DTW (FT) INTAKE **COMMENTS** $\pm 10\%$ or 3 values (mv) (mL/min) $\pm 3\%$ (mS/cm) ± 0.1 $\pm 10\%$ and < 10 ntu DEPTH (ft) <0.5 mg/L $\pm 10 \; mv$ or 3 values <5 ntu 10:00 10.45 **TEMP**.: nearest degree (ex. 10.1 = 10) COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69) pH: nearest tenth (ex. 5.53 = 5.5) DO: nearest tenth (ex. 3.51 = 3.5) FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures) **TURB**: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)**ORP**: 2 SF (44.1 = 44, 191 = 190) **EQUIPMENT DOCUMENTATION EQUIPMENT USED** TYPE OF PUMP DECON FLUIDS USED TUBING/PUMP/BLADDER MATERIALS SILICON TUBING PERISTALTIC ALCONOX S. STEEL PUMP MATERIAL X WL METER HDPE TUBING PVC PUMP MATERIAL SUBMERSIBLE DEIONIZED WATER PID LDPE TUBING WQ METER BLADDER GEOPROBE SCREEN POTABLE WATER TURB. METER WATTERA NITRIC ACID OTHER PDB OTHER HYDRASLEEVE **HEXANE** OTHER **OTHER PUMP** OTHER Passive Diffusion Bag **METHANOL OTHER** OTHER OTHER **FILTERS** TYPE ANALYTICAL PARAMETERS **FIELD** PRESERVATION **PARAMETER** METHOD NUMBER ANALYTE LIST VOLUME REQUIRED QC COLLECTED **METHOD FILTERED** VOC 8260 Full List N HCL x3 40mL VOA Sodium USEPA ICP 6010 N HNO3 Bromide & Flouride USEPA ICP 300.0 N None **PURGE OBSERVATIONS NOTES:**

DEVIATIONS FROM THE WORK PLAN:

PURGE WATER

UTILIZED

CONTAINERIZED

NO-PURGE METHOD

Checked By: Michael Ladny

Sampler Signature: JOSHUA MINARDI

NUMBER OF GALLONS

Print Name:

Date: 1/5/2023

JJM

GENERATED

NO

NO

YES

GRAB SAMPLING RECORD - WATER PROJECT NAME LOCATION ID DATE **MACTEC** NYSDEC Baldwin Place RW-1S PROJECT NUMBER START TIME END TIME 3616206104.06.**** 8:00 511 Congress Street SITE NAME/INSTALLATION SAMPLE ID SAMPLE TIME **PAGE** Suite 200 Baldwin Place 360023-RW001S015,025,035,045 see comments Portland, Maine 04101 **SAMPLE TYPE:** X GROUNDWATER SURFACE WATER STORM WATER DRINKING WATER PORE WATER OTHER: FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP) **TURBIDITY** REDOX DISS. O₂ (mg/L) **PUMP CONDUCTANCE PURGE RATE** TEMP. (°C) pH (units) (ntu) TIME DTW (FT) $\pm 10\%$ or 3 values INTAKE **COMMENTS** (mv) ± 0.1 (mL/min) $\pm 3\%$ (mS/cm) ±10% and <10 ntu DEPTH (ft) <0.5 mg/L $\pm 10 \; mv$ or 3 values <5 ntu 8:22 9.31 **TEMP**.: nearest degree (ex. 10.1 = 10) COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69) pH: nearest tenth (ex. 5.53 = 5.5) DO: nearest tenth (ex. 3.51 = 3.5) FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures) **TURB**: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)**ORP**: 2 SF (44.1 = 44, 191 = 190)**EQUIPMENT DOCUMENTATION EQUIPMENT USED** TYPE OF PUMP DECON FLUIDS USED TUBING/PUMP/BLADDER MATERIALS S. STEEL PUMP MATERIAL WL METER PERISTALTIC SILICON TUBING ALCONOXSUBMERSIBLE HDPE TUBING PID DEIONIZED WATER PVC PUMP MATERIAL LDPE TUBING WQ METER BLADDER POTABLE WATER GEOPROBE SCREEN OTHER PDB TURB. METER WATTERA NITRIC ACID OTHER HYDRASLEEVE HEXANE OTHER OTHER **PUMP** OTHER Passive Diffusion Bag **METHANOL OTHER** OTHER OTHER **FILTERS** ANALYTICAL PARAMETERS **FIELD** PRESERVATION ANALYTE LIST **PARAMETER** METHOD NUMBER VOLUME REQUIRED QC COLLECTED

Full List

VOC

Sodium

Bromide & Flouride

Checked By: Michael Ladny

8260

USEPA ICP 6010

USEPA ICP 300.0

Date: 1/5/2023

PURGE OBSERVATIONS	NOTES:
PURGE WATER YES NO NUMBER OF GALLONS CONTAINERIZED GENERATED GENERATED NO-PURGE METHOD YES NO UTILIZED GENERATED	015:0801 025:0806 035:0814 045:0822
Sampler Signature: JOSHUA MINARDI Print Name: JJM	DEVIATIONS FROM THE WORK PLAN:

FILTERED

N

N

N

METHOD

HCL

HNO3

None

x3 40mL VOA

12/1/2022

8:20

OF

TYPE

GRAB SAMPLING RECORD - WATER PROJECT NAME LOCATION ID DATE MACTEC NYSDEC Baldwin Place RW-2D 12/1/2022 PROJECT NUMBER START TIME END TIME 3616206104.06.**** 8:55 9:08 511 Congress Street SITE NAME/INSTALLATION SAMPLE ID SAMPLE TIME **PAGE** Suite 200 360023-RW002D055,065,075 Baldwin Place OF see comments Portland, Maine 04101 **SAMPLE TYPE:** X GROUNDWATER SURFACE WATER STORM WATER DRINKING WATER PORE WATER OTHER: FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP) SP. **TURBIDITY** DISS. O₂ (mg/L) REDOX **PUMP** CONDUCTANCE **PURGE RATE** TEMP. (°C) pH (units) (ntu) DTW (FT) TIME INTAKE **COMMENTS** $\pm 10\%$ or 3 values (mv) (mL/min) $\pm 3\%$ (mS/cm) ± 0.1 ±10% and <10 ntu DEPTH (ft) <0.5 mg/L $\pm 10\;mv$ or 3 values <5 ntu 9:08 12:30 **TEMP**.: nearest degree (ex. 10.1 = 10) COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69) pH: nearest tenth (ex. 5.53 = 5.5) FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures) **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** SILICON TUBING WL METER PERISTALTIC S. STEEL PUMP MATERIAL ALCONOX HDPE TUBING PVC PUMP MATERIAL SUBMERSIBLE DEIONIZED WATER PID POTABLE WATER LDPE TUBING BLADDER GEOPROBE SCREEN WQ METER WATTERA OTHER PDB NITRIC ACID OTHER TURB. METER HYDRASLEEVE HEXANE OTHER OTHER **PUMP** OTHER Passive Diffusion Bag **METHANOL** OTHER **OTHER** OTHER **FILTERS** TYPE ANALYTICAL PARAMETERS **FIELD PRESERVATION PARAMETER** METHOD NUMBER ANALYTE LIST VOLUME REQUIRED QC COLLECTED FILTERED **METHOD** N VOC 8260 Full List HCL x3 40mL VOA Sodium USEPA ICP 6010 N HNO3 N Bromide & Flouride USEPA ICP 300.0 None **PURGE OBSERVATIONS NOTES:** PURGE WATER NO NUMBER OF GALLONS 055:0858 YES GENERATED 065:0904 CONTAINERIZED

075:0908

DEVIATIONS FROM THE WORK PLAN:

NO-PURGE METHOD

Checked By: Michael Ladny

Sampler Signature: JOSHUA MINARDI

UTILIZED

YES

NO

Print Name:

Date: 1/5/2023

JJM



Date:

GRAB SAMPLING RE	CORD - WATER
PROJECT NAME	
NYSDEC Baldwin Place	
PROJECT NUMBER	
3616206104.06.****	
SAMPLE ID	SAMPLE TIME
360023-RW001S015P	11:40

LOCATION ID	DATE
RW-1S	12/1/2022
START TIME	END TIME
11:00	11:40
SITE NAME/INSTALLATION	PAGE
Baldwin Place	1 OF 1

				3616206104.06.****					1:00	11:40
	511 Congress Suite 200		SAMPLE						STALLATION	PAGE
	Portland, Maine			360023-RW001S0	15P	11:40	0	Baldv	vin Place	1 OF 1
SAMPL	MPLE TYPE: X GROUNDWATER SURFACE WATER STORM WATER DRINKING WATER PORE WATER OTHER:									
FIELD PAR	AMETERS WITH	PROGRAM STA	BILIZATION CRIT	ERIA (AS LISTED IN	THE QPP)	T				
TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O ₂ (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
11:05	11.63	300	7.99	0.806	3.38	7.15	106.6	8.29	15	
11:10	11.74	300	10.12	0.676	3.87	7.21	128.5	9.46	15	
11:15	11.86	300	9.89	0.668	4.13	7.21	149.9	11.0	15	
11:20	11.94	300	10.17	0.669	4.37	7.21	166.6	12.7	15	
11:25	12.04	300	10.67	0.669	4.50	7.19	181.0	13.1	15	
11:30	12.14	300	10.37	0.674	4.70	7.21	191.9	14.6	15	
11:35	12.25	300	10.35	0.675 4.84		7.20	201.5	11.8	15	
FINAL STABILIZED FIELD PARAMETERS (rounded to approp				appropriate sign	nificant figur	es)		TEMP.: nearest degree COND.: 3 significant f pH: nearest tenth (ex. 5)	figure (SF) max (ex. $1.686 = 1.69$)	
	10 0.675			4.8	7.2	202	12	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)		
PERIST SUBMI BLADI WATTI	ERA ASLEEVE	DI A D PO N H M	ECON FLUIDS USED LCONOX EIONIZED WATER DTABLE WATER ITRIC ACID EXANE IETHANOL THER	SILICON TU HDPE TUBI LDPE TUBI OTHER PDE OTHER	NG NG	S. STEE	EL PUMP MAT JMP MATERL OBE SCREEN	AL	X WL METER PID WQ METER TURB. MET PUMP OTHER FILTERS	₹
ANALYTIC	AL PARAMETER	RS			1	EIEL D	DDECEDA	TION		
X	PARAMET VOC Sodium Bromide & Flo		8260 USEPA ICP 6010 USEPA ICP 300.0	ANALYTE I Full List	LIS I FII	FIELD LTERED N N N	PRESERVA METHO HCL HNO3 None	DD	ME REQUIRED 40mL VOA	QC COLLECTED
PURGE OBS PURGE WAT CONTAINED NO-PURGE	RIZED X		NUMBER OF GALI GENERATED	LONS	NOTE	S:				
UTILIZED					DEVIA	ATIONS FROM	M THE WOI	RK PLAN:		
Sampler Sign	ature: Meril Benny		Print Name:	Meril Benny						



Date:

GRAB SAMPLING RE	CORD - WATER
PROJECT NAME	
NYSDEC Baldwin Place	
PROJECT NUMBER	
3616206104.06.****	
SAMPLE ID	SAMPLE TIME
360023-RW001S025P	10:55

LOCATION ID	DATE
RW-1S	12/1/2022
START TIME	END TIME
10:06	10:55
SITE NAME/INSTALLATION	PAGE
Baldwin Place	1 OF 1

•				3616206104.06.****					10:06			10:55		
	511 Congress Suite 200		SAMPLE	SAMPLE ID SAMPLE				E SITE NAME/INSTALLATION		PAGE		,		
Portland, Maine 04101				360023-RW001S025P 10:55			5	Baldw	vin Place	1	OF	1		
SAMPI	L e type: X GR	OUNDWATER	SURFACE WA	TER STORM	WATER	DRINKING V	WATER	PORE WATER	OTHER:					
FIELD PAR	RAMETERS WITH	PROGRAM STA	BILIZATION CRIT	ERIA (AS LISTED IN	THE QPP)	_	_							
TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O ₂ (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	(COMMENT	'S		
10:20	11.84	210	9.03	0.893	2.15	7.1	109.7	9.00	25					
10:25	11.85	210	9.48	0.878	2.08	7.15	109.3	6.07	25					
10:30	11.85	210	8.85	0.877	2.18	7.16	112.1	5.44	25					
10:35	11.76	150	7.57	0.881	2.16	7.2	110.9	4.16	25					
10:40	11.76	150	7.65	0.868	2.23	7.11	115.8	4.07	25					
10:45	11.75	150	8.13	0.872	2.17	7.18	108.7	4.25	25					
10:50	11.7	200	7.37	0.865	1.87	7.14	108.6	7.78	25					
	FIN	NAL STABILIZ	ED FIELD PARAM	IETERS (rounded to	appropriate sig	nificant figur	es)		TEMP.: nearest degree COND.: 3 significant	t figure (SF) max		.69)		
					T	-			pH: nearest tenth (ex. DO: nearest tenth (ex.					
			7	0.865	1.9	7.1	109	7.8	TURB : 3 SF max, ne ORP : 2 SF (44.1 = 4.4)	earest tenth (6.19	= 6.2, 101 = 1	01)		
TYPE OF PUMP PERISTALTIC SUBMERSIBLE BLADDER WATTERA HYDRASLEEVE OTHER DECON FLUIDS USED SILICON TUBING ALCONOX SILICON TUBING BLADDER HYDRASLEEVE HEXANE OTHER OTHER DECON FLUIDS USED TUBING SILICON TUBING HOPE TUBING OTHER OTHER OTHER OTHER			ING NG	S. STEE	EL PUMP MAT JMP MATERIA OBE SCREEN	AL	X WL METER PID WQ METE TURB. ME PUMP OTHER FILTERS	RTER						
ANALYTI(CAL PARAMETER		VETTIOD NI II VIDED		LOT	FIELD	PRESERVA	TION WOLLD	(E DEOLUDED	0.0		TED.		
	PARAMET	ER N	IETHOD NUMBER	ANALYTE I	FI	LTERED	METHO	DD VOLUM	ME REQUIRED	QC	C COLLECT	ED		
X	VOC Sodium		8260 USEPA ICP 6010	Full List	<u> </u>	N N	HCL HNO3		40mL VOA					
	Bromide & Flo		USEPA ICP 300.0	-		N None								
														
PURGE OR					NOTE									
PURGE WA	ATER YESTERIZED X E METHOD YESTERIZED		NUMBER OF GALI GENERATED	LONS										
Sampler Sign	nature: Meril Benny		Print Name:	Meril Benny	DEVI	ATIONS FRO	M THE WOR	RK PLAN:						



Date:

GRAB SAMPLING RECORD - WATE					
PROJECT NAME					
NYSDEC Baldwin Plac	e				
PROJECT NUMBER					
3616206104.06.****					
SAMPLE ID	SAMPLE TIME				
360023-RW001S035P	10:05				

LOCATION ID	DATE						
RW-1S	12/1/2022						
START TIME	END TIME						
9:30	10:15						
SITE NAME/INSTALLATION	PAGE						
Baldwin Place	1 OF 1						

511 Congress Street			CAMPLE	3616206104.06.****					9:30	10:15
Suite 200			SAMPLE	SAMPLE ID 360023-RW001S035P			SAMPLE TIME 10:05 SITE NAME/INS Baldy		STALLATION vin Place	PAGE 1 OF 1
Portland, Maine 04101				300023-ICW 00130		10.0.		Daidy	viii i iacc	l Or 1
SAMPL	E TYPE: X GR	OUNDWATER	SURFACE WA	TER STORM	WATER	DRINKING V	VATER	PORE WATER	OTHER:	
FIELD PAR	AMETERS WITH	PROGRAM STA	ABILIZATION CRIT	TERIA (AS LISTED IN	THE QPP)			1		
TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O ₂ (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	(ntu) ±10% and <10 ntu or 3 values <5 ntu		COMMENTS
9:30	11.02	400	12.25	0.951	1.97	7.15	45.8	11.50	35	
9:35	11.22	400	12.41	0.927	2.1	7.19	57	8.16	35	
9:40	11.45	400	12.39	0.918	2.12	7.20	77.8	8.92	35	
9:45	11.65	400	12.73	0.911	2.12	7.21	90.9	5.96	35	
9:50	11.85	400	12.40	0.912	2.10	7.21	99.4	9.03	35	
9:55	12.00	400	12.22	0.909	2.10	7.19	103.6	7.04	35	
10:00	12.12	400	11.75	0.91	2.11	7.20	103.1	7.66	35	
	FI	NAL STABILIZ	ED FIELD PARAM	IETERS (rounded to	appropriate sig	nificant figur	es)			Figure (SF) max (ex. $1.686 = 1.69$)
									pH : nearest tenth (ex. 5 DO : nearest tenth (ex. 3	3.51 = 3.5)
			12	0.91	2.0	7.3	103	7.7	TURB : 3 SF max, near ORP : 2 SF $(44.1 = 44,$	rest tenth (6.19 = 6.2, 101 = 101) , 191 = 190)
TYPE OF PUMP PERISTALTIC SUBMERSIBLE BLADDER WATTERA HYDRASLEEVE OTHER OTHER DECON FLUIDS USED TUBING/ ALCONOX SILICON TUBING HEXANE HDPE TUBING OTHER OTHER OTHER OTHER DECON FLUIDS USED TUBING/ ALCONOX SILICON TUBING HDPE TUBING HDPE TUBING OTHER PDB OTHER OTHER OTHER			ING NG	S. STER	EL PUMP MAT JMP MATERIA COBE SCREEN	AL	X WL METER PID WQ METER TURB. METI PUMP OTHER FILTERS			
ANALYTIC	CAL PARAMETER					FIELD	PRESERVA'	TION		
X	X VOC 820		METHOD NUMBER 8260 USEPA ICP 6010	Full List		ILTERED METHOD VOLU		ME REQUIRED 40mL VOA	QC COLLECTED	
	Bromide & Flo	ouride	USEPA ICP 300.0			N	None			
NUDGEGE	CEDV//PIONG									
PURGE WA' CONTAINEI			NUMBER OF GALI GENERATED	LONS	NOTE					
					DEVI	ATIONS FRO	M THE WOR	RK PLAN:		
Sampler Sign	ature: Meril Benny		Print Name:	Meril Benny						



Date:

GRAB SAMPLING	RECORD - WAT	ER
PROJECT NAME		7 [
NYSDEC Baldwin I	Place	
PROJECT NUMBER		1 i
3616206104.06.**	***	
SAMPLE ID	SAMPLE TIME	1
360023-RW001S045P	9:25	

LOCATION ID	DATE					
RW-1S	12/1/2022					
START TIME	END TIME					
8:30	9:30					
SITE NAME/INSTALLATION	PAGE					
Baldwin Place	1 OF 1					

511 Canana Shart				3616206104.06.**** SAMPLE ID SAMPLE TIME					3:30	9:30		
	511 Congress Suite 200		SAMPLE					SITE NAME/INSTALLATION		PAGE		
	Portland, Maine			360023-RW001S045P 9:25				Baldy	vin Place	1 OF 1		
SAMPL	LE TYPE: X GR	OUNDWATER	SURFACE WA	TER STORM	WATER	DRINKING W	VATER _	PORE WATER	OTHER:			
FIELD PAR	RAMETERS WITH	PROGRAM STA	ABILIZATION CRIT	ERIA (AS LISTED IN	THE QPP)		_					
TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O ₂ (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS		
8:50	9.23	400	12.84	0.984	4.52	7.31	104.2	8.29	45			
8:55	9.20	400	12.86	0.986	3.02	7.30	81.7	9.46	45			
9:00	9.91	400	13.19	0.986	2.30	7.30	65.4	11.0	45			
9:05	10.31	370	13.21	0.986	2.02	7.29	67.5	12.7	45			
9:10	10.50	370	13.11	0.985	1.95	7.29	56.6	13.1	45			
9:15	10.70	370	13.13	0.984	1.89	7.29	46.5	14.6	45			
9:20	10.92	370	13.09	0.985	1.86	7.30	40.4	11.8	45			
	FI	NAL STABILIZ	ED FIELD PARAM	TETERS (rounded to	appropriate sign	nificant figur	es)			figure (SF) max (ex. $1.686 = 1.69$)		
				<u> </u>	<u> </u>	<u> </u>	Ī		pH : nearest tenth (ex. DO : nearest tenth (ex.	3.51 = 3.5)		
			13	0.985	1.9	7.3	40	12	TURB : 3 SF max, nea ORP : 2 SF (44.1 = 44	rest tenth (6.19 = 6.2, 101 = 101) 4, 191 = 190)		
PERIS' SUBM BLADI WATT	ERA ASLEEVE	DEIONIZED WATER HDPE TUBING PVC P POTABLE WATER LDPE TUBING GEOP NITRIC ACID OTHER PDB OTHE HEXANE OTHER OTHE			S. STEE	EL PUMP MA JMP MATER OBE SCREE	IAL	X WL METER PID WQ METER TURB. MET PUMP OTHER FILTERS	3			
ANALYTIC	CAL PARAMETER PARAMET		METHOD NUMBER	ANALYTE I	ISI	FIELD LTERED	PRESERVA METH	VOLUN	ME REQUIRED	QC COLLECTED		
X	VOC Sodium		8260 USEPA ICP 6010	Full List		N N	HCI HNO		40mL VOA			
	Bromide & Flo		USEPA ICP 300.0			N	None					
PURGE OB	SERVATIONS				NOTE	S:						
PURGE WA' CONTAINEI NO-PURGE UTILIZED	RIZED X E METHOD YE		NUMBER OF GALI GENERATED	LONS								
Sampler Sign	nature: Meril Benny		Print Name:	Meril Benny	DEVIA	ATIONS FROM	M THE WO	ORK PLAN:				



Date:

GRAB SAMPLING	RECORD - WATI	ER
PROJECT NAME		
NYSDEC Baldwin F	Place	
PROJECT NUMBER		
3616206104.06.**	**	
SAMPLE ID	SAMPLE TIME	
360023-RW002D55P	14:10	

LOCATION ID	DATE						
RW-2D	12/1/2022						
START TIME	END TIME						
13:30	14:10						
SITE NAME/INSTALLATION	PAGE						
Baldwin Place	1 OF 1						

511.0				06104.06.****			13:30		14:10	
	511 Congress Suite 200		SAMPLE	SAMPLE ID SAME						PAGE
	Portland, Maine 04101			360023-RW002D55P 14:10)	Baldwin Place 1		1 OF 1
SAMPL	LE TYPE: X GR	OUNDWATER	SURFACE WA	TER STORM	WATER	DRINKING W	VATER	PORE WATER	OTHER:	
FIELD PAR	RAMETERS WITH	PROGRAM STA	BILIZATION CRIT	ERIA (AS LISTED IN	THE QPP)			_		
TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O ₂ (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	1 DEPIH (II) 1	COMMENTS
13:35	14.41	320	10.82	0.931	0.39	8.27	-191.0	13.7	55	
13:40	14.55	320	11.20	0.836	0.31	8.34	-202.5	16.2	55	
13:45	14.61	320	11.11	0.834	0.29	8.38	-257.3	17.1	55	
13:50	14.70	320	11.00	0.834	0.28	8.36	-200.2	20.4	55	
13:55	14.80	320	11.20	0.837	0.27	8.38	-207.3	19.7	55	
14:00	14.90	320	11.25	0.839	0.27	8.38	-196.3	17.7	55	
14:05	14.92	320	11.14	0.845	0.26	8.37	-249.6	19.5	55	
	FI	NAL STABILIZI	ED FIELD PARAM	IETERS (rounded to	appropriate sig	nificant figur	es)		TEMP.: nearest degree COND.: 3 significant f pH: nearest tenth (ex. 5	figure (SF) max (ex. $1.686 = 1.69$)
			11	0.845	0.26	8.4	-250	20	DO : nearest tenth (ex. 3 TURB : 3 SF max, near ORP : 2 SF (44.1 = 44,	rest tenth $(6.19 = 6.2, 101 = 101)$
PERIS' SUBM BLADI WATT HYDR	TYPE OF PUMP PERISTALTIC SUBMERSIBLE BLADDER WATTERA HYDRASLEEVE OTHER DECON FLUIDS USED ALCONOX SILICON TUBING DEIONIZED WATER HDPE TUBING DEIONIZED WATER HDPE TUBING OTHER OTHER OTHER OTHER OTHER			NG NG	S. STEE	L PUMP MA' IMP MATERI OBE SCREEN	AL	X WL METER PID WQ METER TURB. MET PUMP OTHER FILTERS		
ANALYTIC	CAL PARAMETER	RS			1	FIELD	PRESERV <i>A</i>	ATION		
	PARAMET	ER M	IETHOD NUMBER	ANALYTE I	LIS I FII	LTERED	METHO	DD VOLUN	ME REQUIRED	QC COLLECTED
X	VOC Sodium		8260 USEPA ICP 6010	Full List		N N	HCL HNO3		40mL VOA	
	Bromide & Flo		USEPA ICP 300.0			N None				
ΙН				· -						
								<u> </u>		
PURGE WA	RIZED X E METHOD YE		NUMBER OF GALI GENERATED	LONS	NOTE					
Sampler Sign	nature: Meril Benny		Print Name:	Meril Benny	DEVI	ATIONS FROM	M THE WO	RK PLAN:		



Date:

GRAB SAMPLING RECORD - WATE					
PROJECT NAME		ſ			
NYSDEC Baldwin Pla	ace				
PROJECT NUMBER		-			
3616206104.06.***	*				
SAMPLE ID	SAMPLE TIME	-			
360023-RW002D065P	13:30				

LOCATION ID	DATE						
RW-2D	12/1/2022						
START TIME	END TIME						
12:55	13:30						
SITE NAME/INSTALLATION	PAGE						
Baldwin Place	1 OF 1						

Sample Type: Groundwather Surface water Storm water Drinking wat		511 C	G			.06104.06.****	Ta			2:55	13:30	
THELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)		Suite 200)	SAMPLE)65P					PAGE 1 OF 1	1
TIME	SAMPI	LE TYPE: X GR	OUNDWATER	SURFACE WA	TER STORM	WATER	DRINKING V	VATER	PORE WATER	OTHER:		_
TIME DTW (FT) PURGE RATE (ml./min) 243% CONDUCTANCE (mS/cm) color of volume color mine	FIELD PAR	RAMETERS WITH	I PROGRAM STA	ABILIZATION CRIT	ERIA (AS LISTED IN	N THE QPP)						
13:00 13:68 260 12:12 1.112 0.49 8.19 -134.0 18.2 65 13:05 13:81 260 12:19 1.113 0.44 8.20 -131.0 22.9 65 13:10 13:95 260 12:12 1.114 0.41 8.21 -145.0 20.6 65 13:15 14:04 260 12:23 1.115 0.42 8.21 -159.2 21.2 65 13:20 14:20 260 12:00 1.113 0.39 8.21 -172.7 21.3 65 13:25 14:3 260 12:10 1.109 0.37 8.22 -189.6 19.9 65 13:25 14:3 260 12:10 1.109 0.37 8.22 -189.6 19.9 65 14:20 14:20 12:10 1.109 0.37 8.2 19.9 20 1.118 1.109			PURGE RATE	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	DISS. O_2 (mg/L) ±10% or 3 values	pri (umis)	(mv)	(ntu) ±10% and <10 ntu	INTAKE	COMMENTS	
13:05 13:81 260 12:19 1.113 0.44 8:20 -131.0 22:9 65 13:10 13:95 260 12:12 1.114 0.41 8:21 -145.0 20.6 65 13:15 14:04 260 12:23 1.115 0.42 8:21 -159.2 21:2 65 13:20 14:20 260 12:00 1.113 0.39 8:21 -172.7 21:3 65 13:25 14:3 260 12:10 1.109 0.37 8:22 -189.6 19:9 65 13:25 14:3 260 12:10 1.109 0.37 8:22 -189.6 19:9 65 13:25 14:3 260 12:10 1.109 0.37 8:2 -190 20 TIRR: 35F max, narrest entry (cs. 13:1-10) FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures) 12 1.10 0.37 8:2 -190 20 TIRR: 35F max, narrest entry (cs. 13:1-8) FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures) 12 1.10 0.37 8:2 -190 20 TIRR: 35F max, narrest entry (cs. 13:1-8) FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures) 10 10 10 10 10 10 10 1	12:55	13.5	260	11.28	1.115	0.73	8.02	-174.9	19.9	65		
13:10 13:95 260 12.12 1.114 0.41 8.21 -145.0 20.6 65 13:15 14.04 260 12.23 1.115 0.42 8.21 -159.2 21.2 65 13:20 14:20 260 12.00 1.113 0.39 8.21 -172.7 21.3 65 13:25 14:3 260 12.10 1.109 0.37 8.22 -189.6 19.9 65	13:00	13.68	260	12.12	1.112	0.49	8.19	-134.0	18.2	65		
13:15	13:05	13.81	260	12.19	1.113	0.44	8.20	-131.0	22.9	65		
13:20	13:10	13.95	260	12.12	1.114	0.41	8.21	-145.0	20.6	65		
13:25	13:15	14.04	260	12.23	1.115	0.42	8.21	-159.2	21.2	65		
TEMP: nearest degree (ex. 10.1 = 10) COND: 3 significant figures	13:20	14.20	260	12.00	1.113	0.39	8.21	-172.7	21.3	65		
FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures) 12 1.10 0.37 8.2 -190 20 TURE: 3 Spr max, nearest tenth (ex. 5.53 = 5.5) DO: nearest tenth (ex. 5.54 = 5.54) DO: nearest tenth (ex.	13:25	14.3	260	12.10	1.109	0.37	8.22	-189.6	19.9			
PH: nearest tenth (cs. 5.53 = 5.5)		FII	NAL STABILIZI	ED FIELD PARAM	TETERS (rounded to	o appropriate sign	nificant figur	es)		COND.: 3 significant f	figure (SF) max (ex. $1.686 = 1.69$)	
TYPE OF PUMP PERISTALTIC ALCONOX SUBMERSIBLE DEIONIZED WATER HOPE TUBING POTABLE WATERA NITRIC ACID OTHERPOB OTHER OTH						1			20	DO: nearest tenth (ex. 3 TURB: 3 SF max, near	3.51 = 3.5) rest tenth $(6.19 = 6.2, 101 = 101)$	
PARAMETER METHOD NUMBER ANALYTE LIST FIELD PRESERVATION METHOD VOLUME REQUIRED QC COLLECT X VOC 8260 Full List N HCL x2 40mL VOA Sodium USEPA ICP 6010 N HNO3	PERIS SUBM BLAD WATT HYDR	STALTIC MERSIBLE DDER FERA RASLEEVE	A D P P N H M	ALCONOX DEIONIZED WATER OTABLE WATER SITRIC ACID IEXANE METHANOL	HDPE TUBI LDPE TUBI OTHERPDE	JBING NG NG	S. STEE PVC PU GEOPR OTHER OTHER	EL PUMP MAT JMP MATERIA OBE SCREEN	AL	X WL METER PID WQ METER TURB. MET PUMP OTHER	WL METER PID WQ METER TURB. METER PUMP OTHER	
X VOC 8260 Full List N HCL x2 40mL VOA Sodium USEPA ICP 6010 N HNO3	ANALYTIC			METHOD NUMBER	ANALYTE I	101			V()	ME REQUIRED	QC COLLECTED	
	X	VOC		8260	Full List					40mL VOA		
Bromide & Flouride USEPA ICP 300.0 N None												
		Bromide & Flo	ouride	USEPA ICP 300.0				None				
					-							
PURGE OBSERVATIONS PURGE WATER YES NO NUMBER OF GALLONS CONTAINERIZED X GENERATED NO-PURGE METHOD YES NO UTILIZED	PURGE WA CONTAINE NO-PURG	ATER YEERIZED X E METHOD YE			LONS	NOTE	S:					
Sampler Signature: Meril Benny Print Name: Meril Benny DEVIATIONS FROM THE WORK PLAN:	Sampler Sign	nature: Meril Benny	_	Print Name:	Meril Benny	DEVIA	ATIONS FROM	M THE WOF	RK PLAN:			



Date:

GRAB SAMPLING RI	ECORD - WATER
PROJECT NAME	
NYSDEC Baldwin Plac	e
PROJECT NUMBER	
3616206104.06.****	
SAMPLE ID	SAMPLE TIME
360023-RW002D075P	12:40

LOCATION ID	DATE							
RW-2D	12/1/2022							
START TIME	END TIME							
12:00	12:35							
SITE NAME/INSTALLATION	PAGE							
Baldwin Place	1 OF 1							

		-		36162	06104.06.****			12	2:00		12:35	
	511 Congress		SAMPLE 1	ID		SAMPLE TI	ME	SITE NAME/INS	TALLATION	PAGE		
	Suite 200 Portland, Maine			360023-RW002D0	75P	12:40)	Baldw	in Place	1	OF	1
SAMPL	E TYPE: X GR		SURFACE WA	TER STORM	WATER	DRINKING V	VATER	PORE WATER	OTHER:			
FIELD PAR	AMETERS WITH	PROGRAM STA	BILIZATION CRIT	ERIA (AS LISTED IN	THE QPP)		,					
TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O ₂ (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	C	OMMENTS	S
12:05	12.50	350	13.32	1.115	0.50	7.99	-117.8	13.6	75			
12:10	12.56	350	13.42	1.136	0.47	7.99	-133.5	15.6	75			
12:15	12.8	350	13.40	1.139	0.46	8.01	-157.8	14.0	75			
12:20	12.97	350	13.40	1.139	0.55	8.02	-166.9	15.7	75			
12:25	13.24	350	13.51	1.139	0.64	8.03	-140.3	14.7	75			
12:30	13.43	350	13.5	1.139	0.56	8.05	-138.4	16.0	75			
12:35	13.62	350	13.53	1.140	0.54	8.05	-134.8	15.5	75			
	FI	NAL STABILIZI	ED FIELD PARAM	IETERS (rounded to	appropriate sign	nificant figur	es)		TEMP.: nearest degr COND.: 3 significan pH: nearest tenth (ex	t figure (SF) max		.69)
			14	1.14	0.54	8	-135	12	DO : nearest tenth (ex TURB : 3 SF max, ne ORP : 2 SF (44.1 = 4	earest tenth (6.19 =	= 6.2, 101 = 10)1)
PERIST SUBMI BLADI WATTI	ERA ASLEEVE	DI Ai D PO N H M	ECON FLUIDS USED LCONOX EIONIZED WATER OTABLE WATER ITRIC ACID EXANE IETHANOL THER	SILICON TU HDPE TUBI LDPE TUBI OTHER PDE OTHER	NG NG	S. STEE PVC PU	EL PUMP MAT JMP MATERIA OBE SCREEN	A L	EQUIPMENT USED X WL METER PID WQ METER TURB. METER PUMP OTHER FILTERS NO. TYPE			
ANALYTIC	AL PARAMETER	RS			1	EIEI D	DDECEDIA	TION				
X	PARAMET VOC Sodium		8260 USEPA ICP 6010	ANALYTE I Full List	FII FII	FIELD LTERED N N	PRESERVA METHO HCL HNO3	D VOLUM x2 4	1E REQUIRED	QC	COLLECTI	ED
	Bromide & Flo		USEPA ICP 300.0			N	None					
PURGE OBS PURGE WA' CONTAINER NO-PURGE UTILIZED	RIZED X		NUMBER OF GALI GENERATED	LONS	NOTE							
Sampler Sign	ature: Meril Benny		Print Name:	Meril Benny	DEVIA	ATIONS FRO	M THE WOR	RK PLAN:				

APPENDIX C-2 TREATMENT SYSTEM INSPECTION FORM- SEPTEMBER 2022

New York Department of Environmental Conservation Inactive Hazardous Waste Site Inspection Form-Treatment Systems

Site Name: Baldwin Place			NYSDE	EC Site Nu	mber:	NYSDEC PM:			
			<i>36002</i> .	3		Robert Strang			
Site Location: 80 US 6, Baldwin Place, NY			Site Cla	assification	#: 4	Primary Site Contact:			
						Robert Strang			
Site Inspection Date: September 1st, 2022	Purpose of Inspection: 15-me					nspection			
Name of Inspector: J. Minardi		Title: Env. Tech. II	Agency	/Company	•	Address: 511 Congress Street, Suite 200			
Phone Number: 413-374-3583			MACT	EC		Portland, ME 04101			
	Treat	ment Systems	S						
System Status		•			Genera	al Observations: Historical staining			
System in operation during visit?	Yes		No		from p	revious leak observed during			
Manned on a fulltime basis?	105	No	110		inspection. Sump pump in working				
Pump on?	Yes		No			ion, but MACTEC Personnel			
Condition of Operational Controls						mend replacement in future due to			
Condition of gauges?	Good	Po		NE	age rei	ated deteriorating.			
Condition of flow meters	Good	Po		NE					
Condition of effluent pipe?	Good	Po		NE					
Condition of flow pipes and hoses?	Good	Po	or	NE					
Pipes labeled with direction of flow and contents?		No		NE					
Condition of valves?	Good	Po		NE					
Evidence of leaking?	Yes	N		NE					
Condition of sump pump?	Good Yes	Po N		NE NE					
Lighting in Work Areas Adequate? Collection Vault	res	IV.	<u>o</u>	NE					
RW-1 & RW-2 Vault condition - ground surface	Good	Po	or	NE					
KW-1 & KW-2 Vault Condition - ground surface		e Features	<u>. </u>	T/L					
Site Security and Fence	210				Genera	al Observations:			
Condition of the access gates and locks?	Good	Ро	or	NE		continues to show signs of			
Condition of building?	Good	Po		NE NE		ower damage. Needs mowing inside.			
Condition of the perimeter fence	Good	Po		NE NE					
Is vegetation infringing on the fence?	Yes	N		NE					
Was a monitoring well inspection completed?	Yes	- see attached		No					
NE- not evaluated, provide explanation									
Additional Observation Notes:									

New York Department of Environmental Conservation Inactive Hazardous Waste Site Inspection Form-Treatment Systems

Previously observed: Review and comment as to status (include photo documentation)
Slight vegetation buildup in effluent pipe. Has been cleared since.
Tree related damage to fence.
Photograph Log: See Attached
Performance Monitoring
Were check samples collected during this visit? No
Sample type collected <i>(circle or write in other)</i> : N/A
List Parameters/Methods Collected Per Media:
Analytical Laboratory/Location:
Sample Observations:

Site Name/Location: Baldwin Place, 80 US 6, Baldwin Place, NY

Inspection Date/Initials: 9/1/22 JM/ML

Reviewed By/Date: ANC 1/15/23

Reviewed By/Date:	ANC 1/15/23														
Location ID	Measuring Point Elevation (ft. above msl)	Measurement Reference Point Marked (Y/N)	Protective Casing Stickup (ft.)	TOC-TOR Difference (ft.)	Depth to Water (ft.)	Depth to BOW (ft.)	Well ID Clearly Labeled (Y/N)	Guard Posts (G/F/P)	Well Lock/Cap (G/F/P)	Protective Casing (G/F/P)	Water in Annular Space (Y/N)	Concrete Pad (G/F/P)	Well Riser/Cap (G/F/P)	Well Obstruction (Y/N)	Comments
RW-1S ¹	602.03	NM	NM	NM	9.31	NA	NA	NA	NA	G	N	NA	NA	N	From top of vault
RW-2D ¹	602.02	NM	NM	NM	12.30	NA	NA	NA	NA	G	N	NA	NA	N	From top of vault
MW-2S	604.05	Y	2.78	0.35	3.02	16.62	Y	NA	G	G	N	G	G	N	
MW-2D	603.41	N	2.2	0.6	9.76	61.30	Y	NA	G	G	N	G	G	N	
MW-3D	604.23	N	NA	0.28	11.83	87.22	N	NA	F	G	N	G	F	N	
MW-3DD	604.21	N	NA	0.55	12.93	200.15	N	NA	F	G	N	G	G	N	
MW-4S	611.64	N	0.95	2.23"	5.35	24.42	N	NA	G	G	N	NA	G	N	
MW-4D	611.84	N	2.35	NA	9.85	91.70	N	NA	G	G	N	NA	P	N	
MW-5S	605.47	N	2.2	0.14	7.90	24.00	Y	NA	G	G	N	NA	G	N	
MW-7S	602.23	N	NA	0.34	12.71	25.95	N	NA	G	G	N	G	G	N	Needs new bolts
MW-7M1	602.17	Y	NA	0.39	12.80	35.25	Y	NA	G	G	N	G	G	N	
MW-7M2	602.26	Y	NA	0.28	13.60	44.28	Y	NA	G	G	N	G	G	N	
MW-7D	602.31	N	NA	0.62	14.35	92.20	N	NA	G	G	N	G	G	N	bolt holes oblong, need new road box
MW-8S	618.02	N	NA	0.01	5.64	22.00	N	NA	G	F	N	NA	F	N	Needs new bolts
MW-9S	595.99	N	NA	0.75	6.76	28.36	N	NA	G	G	N	NA	G	N	
MW-9D	595.68	N	NA	0.66	6.85	89.91	N	NA	G	G	N	F	G	N	one broken ear, road box still flush
MW-10D	600.22	N	NA	0.80	11.42	89.45	N	NA	G	G	N	G	G	N	annular space filled with soil
MW-12S	606.35	N	3.04	NM	12.50	44.19	Y	NA	G	G	N	NA	G	N	DTW from TOR:15.80, well kinked
MW-12S1	604.01	Y	NA	0.42	7.30	20.50	Y	NA	G	G	N	G	G	N	
MW-12M	603.94	Y	NA	0.05	10.50	46.44	Y	NA	G	G	N	G	G	N	
MW-101M	603.43	N	NA	8.84"	10.45	47.40	Y	NA	G	G	N	G	G	N	soft bottom
MW-101D	603.77	N	NA	0.06	24.98	55.77	Y	NA	G	G	N	G	G	N	soft bottom
	1						-				1	·			·

Notes:

MW= Monitoring Well
msl = mean sea level
ft. = feet
TOC = top of casing

TOR = top of riser
F = Fair
G = Good
N = No
P = Poor
Y = yes

Poor or notable observations require input into "Comments" in. = inches

BOW = bottom of well

1 = Both RW-1S and RW-2D have transducers installed within, and transducer depths below top of casing are 42.7 ft for RW-1S and 56 ft for RW-2D. Water levels in these wells are monitored with the submerged transducer and the depth of water above the transducer is displayed in the treatment building. Due to possibility of faulted transducer readings, no water elevation data is presented from these wells.

APPENDIX C-3 SITE INSPECTION PHOTO LOG SEPTEMBER 2022

Client: NYSDEC Project Number: 3616206104

Site Name: Saldwin Place Site Location: Somers, NY

Photographer:

Joshua Minardi

Date:

9/1/2022

Photograph: 1

Direction:

n/a

Description:

Influent sampling ports.



Photographer:

Joshua Minardi

Date:

9/1/2022

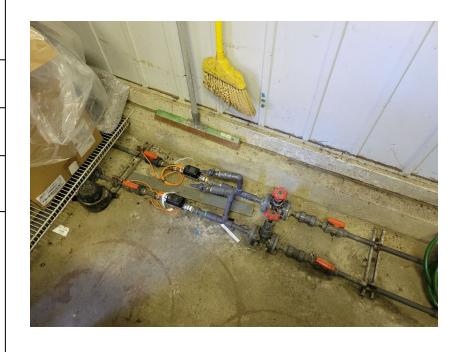
Photograph: 2

Direction:

n/a

Description:

Influent valves/piping.



Client: NYSDEC Project Number: 3616206104

Site Name: Saldwin Place Site Location: Somers, NY

Photographer:

Joshua Minardi

Date:

9/1/2022

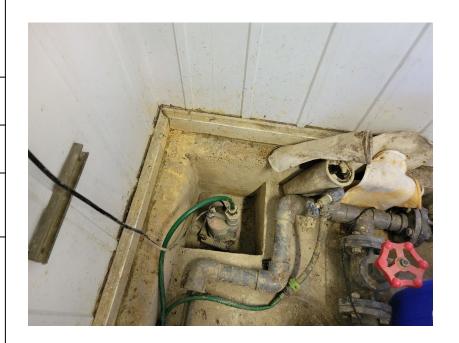
Photograph: 3

Direction:

n/a

Description:

Sump pump.



Photographer:

Joshua Minardi

Date:

9/1/2022

Photograph: 4

Direction:

n/a

Description:

Bag filter number 1 and valves/piping.



Client: NYSDEC Project Number: 3616206104

Site Name: Saldwin Place Site Location: Somers, NY

Photographer:

Joshua Minardi

Date:

9/1/2022

Photograph: 5

Direction:

n/a

Description:

Bag filter number 1 and piping.



Photographer:

Joshua Minardi

Date:

9/1/2022

Photograph: 6

Direction:

n/a

Description:

Effluent valve and piping.



Client: NYSDEC Project Number: 3616206104

Site Name: Saldwin Place Site Location: Somers, NY

Photographer:

Joshua Minardi

Date:

9/1/2022

Photograph: 7

Direction:

n/a

Description:

Bag filter number 2.



Photographer:

Joshua Minardi

Date:

9/1/2022

Photograph: 8

Direction:

n/a

Description:

GAC unit overview.



Client: NYSDEC Project Number: 3616206104

Site Name: Saldwin Place Site Location: Somers, NY

Photographer:

Joshua Minardi

Date:

9/1/2022

Photograph: 9

Direction:

n/a

Description:

Mid GAC unit sampling port.



Photographer:

Joshua Minardi

Date:

9/1/2022

Photograph: 10

Direction:

n/a

Description:

Discharge pipe and ditch.



Client: NYSDEC Project Number: 3616206104

Site Name: Saldwin Place Site Location: Somers, NY

Photographer:

Joshua Minardi

Date:

9/1/2022

Photograph: 11

Direction:

n/a

Description:

Dent in front fence



Photographer:

Joshua Minardi

Date:

9/1/2022

Photograph: 12

Direction:

n/a

Description:

Gap in front fence on right corner.



Client: NYSDEC Project Number: 3616206104

Site Name: Saldwin Place Site Location: Somers, NY

Photographer:

Joshua Minardi

Date:

9/1/2022

Photograph: 13

Direction:

n/a

Description:

Dent in rear fence from tree encroachment



Photographer:

Joshua Minardi

Date:

9/1/2022

Photograph: 14

Direction:

n/a

Description:

GAC to effluent piping



APPENDIX D FIGURES AND TABLES FROM 2021 LTM

APPENDIX D-1 LTM FIGURES- NOVEMBER 2021

APPENDIX D-2 LTM TABLES- NOVEMBER 2021

Table 2.3: Groundwater Elevation Summary - November 2021

Location ID	Northing	Easting	Ground Elevation	Measuring Point Elevation	Screening Interval (ft bgs)	Screen or Open Hole	Screen Location	Measurement Reference Point Marked (Y/N)	Protective Casing Stickup (ft.)	TOC-TOR Difference (ft.)	Depth to Water 11/16/2021 (ft bmp)	Depth to Bottom 11/16/2021 (ft bmp)	Water Elevation (ft msl)
RW-1S ²	NA	NA	NA	602.03	8 - 47.5	Screen	Overburden	NA	NA	NA	34.86	NA	NA
RW-2D ²	NA	NA	NA	602.02	48 - 82.5	Screen	Competent Rock	NA	NA	NA	45.91	NA	NA
MW-2S1	489208.54	657911.87	601.53	604.05	1 -14	Screen	Overburden	N	NM	NM	3.02	16.62	601.03
MW-2D1	489201.58	657911.87	601.66	603.41	60 - 90	Screen	Overburden	N	NM	NM	9.76	61.30	593.65
MW-3D ¹	489928.54	658517.37	602.25	604.23	60 - 90	Screen	Overburden and Weathered Rock	N	NA	NM	11.83	87.22	592.40
MW-3DD ¹	489916.33	658522.03	602.22	604.21	170 - 200	Open Hole	Competent Rock	N	NA	NM	9.41	200.15	594.80
MW-4S1	490472.33	658342.09	609.68	611.64	3.6 - 23.6	Screen	Overburden	N	NM	NM	5.35	24.42	604.26
MW-4D ¹	490472.33	658348.70	609.72	611.84	58.4 - 90.5	Open Hole	Competent Rock	N	NM	NA	9.85	91.70	600.58
MW-5S³	915252.51	696420.56	603.45	605.47	3 - 23	Screen	Shallow Overburden	N	2.15	0.13	7.29	24.00	596.54
MW-7S ³	915251.45	696205.63	602.58	602.23	5 - 25	Screen	Overburden	N	NA	0.42	34.86	25.00	590.50
MW-7M1 ³	915244.46	696209.25	602.54	602.17	25.5 - 35.5	Screen	Weathered Rock	N	NA	NM	10.80	35.25	591.37
MW-7M2 ³	915244.46	696209.25	602.54	602.26	39.6 - 44.6	Screen	Competent Rock	N	NA	NM	10.65	44.28	591.61
MW-7D³	915199.02	696219.69	602.86	602.31	60 - 90	Open Hole	Competent Rock	N	NA	0.62	11.95	92.13	590.36
MW-8S1	490494.34	658582.67	618.28	618.02	4 - 24	Screen	Overburden	N	NA	0.00	5.64	22.00	612.38
MW-9S1	489830.91	657691.12	596.21	595.99	10.5 - 30.5	Screen	Weathered and Competent Rock	N	NA	0.14	6.76	28.36	589.23
MW-9D1	489839.13	657686.69	595.99	595.68	60 - 90	Open Hole	Competent Rock	N	NA	0.67	11.42	89.91	584.26
MW-10D1	489705.74	657883.78	600.52	600.22	59.5 - 90	Open Hole	Competent Rock	N	NA	NM	11.42	89.45	NA
MW-12S ³	915251.73	696371.52	603.99	606.35	20 - 39.75	Screen	Overburden	N	NM	0.79	15.92	44.19	593.69
MW-12S1 ³	915273.58	696371.16	604.41	604.01	12.2 - 22.2	Screen	Shallow Overburden	N	NA	NM	7.95	20.50	596.06
MW-12M ³	915273.58	696371.16	604.41	603.94	39 - 49	Screen	Deep Overburden	N	NA	NM	17.16	46.44	586.78
MW-101M ³	915277.71	696405.45	604.19	603.43	37.8 - 47.8	Screen	Deep Overburden	N	NA	NM	18.78	87.40	584.65
MW-101D ³	915277.71	696405.45	604.19	603.77	52 - 57	Screen	Overburden and Weathered Rock	N	NA	NM	24.98	55.77	578.79

MW = monitoring well; RW = recovery (extraction) well

ft bgs = feet below ground surface

ft bmp = feet below measuring point

msl = mean sea level

NM = not measured

NA = not available

Y/N = Yes/No

1 = Northing/Easting = North American Datum 1927 NYSPCS East (US Survey ft); Elevations = National Geodetic Vertical Datum 1929 (US survey ft)

2 = Both RW-15 and RW-2D have transducers installed within, and transducer depths below top of casting are 42.7 ft for RW-15 and 56 ft for RW-2D.

Water levels in these wells are monitored with the submerged transducer and the depth of water above the transducer is displayed in the treatment building. Due to possibility of faulted transducer readings, no water elevation data is presented from these wells.

 $3 = Northing/Easting = North\ American\ Datum\ 83 - NYSPCS\ EAST\ (US\ survey\ ft);\ Elevations = North\ American\ Vertical\ Datum\ 88\ (US\ survey\ ft);\ Elevations = North\ American\ Vertical\ Datum\ 88\ (US\ survey\ ft);\ Elevations = North\ American\ Vertical\ Datum\ 88\ (US\ survey\ ft);\ Elevations = North\ American\ Vertical\ Datum\ 88\ (US\ survey\ ft);\ Elevations = North\ American\ Vertical\ Datum\ 88\ (US\ survey\ ft);\ Elevations = North\ American\ Vertical\ Datum\ 88\ (US\ survey\ ft);\ Elevations = North\ American\ Vertical\ Datum\ 88\ (US\ survey\ ft);\ Elevations = North\ American\ Vertical\ Datum\ 88\ (US\ survey\ ft);\ Elevations = North\ American\ Vertical\ Datum\ 88\ (US\ survey\ ft);\ Elevations = North\ American\ Vertical\ Datum\ 88\ (US\ survey\ ft);\ Elevations = North\ American\ Vertical\ Datum\ 88\ (US\ survey\ ft);\ Elevations = North\ American\ Vertical\ Datum\ 88\ (US\ survey\ ft);\ Elevations = North\ American\ Vertical\ Datum\ 88\ (US\ survey\ ft);\ Elevations = North\ American\ Vertical\ Datum\ 88\ (US\ survey\ ft);\ Elevations = North\ American\ Vertical\ Datum\ 88\ (US\ survey\ ft);\ Elevations = North\ American\ Vertical\ Datum\ 88\ (US\ survey\ ft);\ Elevations = North\ American\ Vertical\ Datum\ 88\ (US\ survey\ ft);\ Elevations = North\ American\ Vertical\ Datum\ 88\ (US\ survey\ ft);\ Elevations = North\ American\ Vertical\ Datum\ 88\ (US\ survey\ ft);\ Elevations = North\ American\ Vertical\ Datum\ 88\ (US\ survey\ ft);\ Elevations = North\ American\ Vertical\ Datum\ 88\ (US\ survey\ ft);\ Elevations = North\ American\ Vertical\ Datum\ 88\ (US\ survey\ ft);\ Elevations = North\ American\ Vertical\ Datum\ 88\ (US\ survey\ ft);\ Elevations = North\ American\ Porth\ North\ Nort$

Table 2.4: Monitoring Well Inspection Summary - November 2021

Location ID	Northing	Easting	Screening Interval (ft bgs)	Screen or Open Hole	Screen Location	Well ID Clearly Labeled (Y/N)	Well Lock/Cap (G/F/P)	Protective Casing (G/F/P)	Water in Annular Space (Y/N)	Concrete Pad (G/F/P)	Well Riser/Cap (G/F/P)	Well Obstruction (Y/N)	Comments	Recommended Repairs
			eport, August 1					•						
RW-1S ²	NA	NA	8 - 47.5	Screen	Overburden	N	G	G	NA	NA	G	N		
RW-2D ²	NA	NA	48 - 82.5	Screen	Competent Rock	N	G	G	N	NA	G	N		
MW-2S	489208.54	657911.87	1 -14	Screen	Overburden	Y	G	G	N	G	G	N		
MW-2D	489201.58	657911.87	60 - 90	Screen	Overburden	Y	G	G	N	G	G	N		
MW-3D	489928.54	658517.37	60 - 90	Screen	Overburden and Weathered Rock	N	G	F	N	G	F	N	Needs new bolts	
MW-3DD	489916.33	658522.03	170 - 200	Open Hole	Competent Rock	N	F	F	N	G	G	N	Needs new bolts	
MW-4S	490472.33	658342.09	3.6 - 23.6	Screen	Overburden	N	G	G	N	NA	G	N		
MW-4D	490472.33	658348.70	58.4 - 90.5	Open Hole	Competent Rock	N	G	G	N	NA	NA	N	Steel casing - no PVC riser	
MW-8S	490494.34	658582.67	4 - 24	Screen	Overburden	N	G	F	Y	NA	F	N		
MW-9S	489830.91	657691.12	10.5 - 30.5	Screen	Weathered and Competent Rock	N	G	G	N	NA	G	N		
MW-9D	489839.13	657686.69	60 - 90	Open Hole	Competent Rock	N	G	G	N	F	G	N		
MW-10D	489705.74	657883.78	59.5 - 90	Open Hole	Competent Rock	N	G	G	N	G	P	N		
Data from Jur	ne 2015 ³ Surve	y												
MW-5S	915252.51	696420.56	3 - 23	Screen	Shallow Overburden	Y	G	G	N	NA	G	N		
MW-7S	915251.45	696205.63	5 - 25	Screen	Overburden	N	G	G	N	G	G	N		
MW-7M1	915244.46	696209.25	25.5 - 35.5	Screen	Weathered Rock	Y	G	G	N	G	G	N		
MW-7M2	915244.46	696209.25	39.6 - 44.6	Screen	Competent Rock	Y	G	G	N	G	G	N		
MW-7D	915199.02	696219.69	60 - 90	Open Hole	Competent Rock	N	G	G	N	G	G	N		
MW-12S	915251.73	696371.52	20 - 39.75	Screen	Overburden	Y	G	G	N	NA	G	N	DTW from TOC.	
MW-12S1	915273.58	696371.16	12.2 - 22.2	Screen	Shallow Overburden	Y	G	G	N	G	G	N		
MW-12M	915273.58	696371.16	39 - 49	Screen	Deep Overburden	Y	G	G	N	G	G	N		
MW-101M	915277.71	696405.45	37.8 - 47.8	Screen	Deep Overburden	Y	G	G	N	G	G	N		
MW-101D	915277.71	696405.45	52 - 57	Screen	Overburden and Weathered Rock	Y	G	G	N	G	G	N		

Notes:

 $MW = monitoring \ well; \ RW = recovery \ (extraction) \ well$

ft bgs = feet below ground surface

ft bmp = feet below measuring point

msl = mean sea level

NA = not available

G/F/P = Good/Fair/Poor

Y/N = Yes/No

- 1 = Northing/Easting = North American Datum 1927 NYSPCS East (US Survey ft); Elevations = National Geodetic Vertical Datum 1929 (US survey ft)
- 2 = Both RW-1S and RW-2D have transducers installed within, and transducer depths below top of
- 3 = Northing/Easting = North American Datum 83 NYSPCS EAST (US survey ft); Elevations = North