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June 3, 2022

Mr. Payson Long, Project Manager
New York State Department of Environmental Conservation
Bureau E, Division of Remediation
625 Broadway
Albany, NY 12233-7017

Subject: **2022 Site Management Report**
Franklin Cleaners Site (NYSDEC Site No. 130050)
MACTEC Engineering and Geology, P.C., Project No. 3616206123

Dear Mr. Long,

MACTEC Engineering and Geology, P.C (MACTEC) is pleased to submit the 2022 Site Management Report for the New York State Department of Environmental Conservation (NYSDEC) Franklin Cleaners Site No. 130050 located in the Village of Hempstead, New York (hereinafter referred to as the "Site"). This report includes a summary of the following items:

- Site History
- Site Management Activity Summary for the Reporting Period (March 2021 through February 2022)
- Institutional Controls/Engineering Controls (ICs/ECs)
- Operation and Maintenance (O&M) Activities
- Long-Term Groundwater Monitoring
- Sustainability and Resiliency
- Cost Control Summary
- Recommendations for the Coming Year (2022/2023)

Based on activities completed from March 2021 through February 2022, the Site use and activities are in compliance with the Site Management Plan (SMP) requirements (D&B Engineers and

Architects, P.C., 2020a) and the ICs/ECs remain in-place and are effective in protecting the public health and environment.

SITE HISTORY

The Site is located in a mixed residential-commercial area at 206-208B South Franklin Street in the Incorporated Village of Hempstead, Nassau County, New York and operated as a dry cleaner from 1957 to 1991 and additionally as a laundromat beginning in 1987. A groundwater extraction and treatment system (GWETS) was installed approximately one mile downgradient of the Site at 1000 Hempstead Avenue in the Village of Rockville Centre, New York, to capture and treat chlorinated-solvent impacts in groundwater migrating to the south-southwest from the Site (**Figure 1** and **Figure 2**).

Remedial activities have been conducted at and downgradient of the Site in accordance with the March 1998 Record of Decision (ROD) for the Site (NYSDEC, 1998) to address chlorinated-solvent contamination associated with the historical use of the Site as a dry cleaner. The contaminants of concern (COCs) include 1,1-dichloroethene (1,1-DCE), tetrachloroethene (PCE), and trichloroethene (TCE). Remedial goals outlined in the ROD are instituted to protect human health and the environment and include:

- Reduce, control, or eliminate contaminated media to the extent practicable.
- Eliminate the threat to groundwater and indoor air by eliminating on-site soil contamination.
- Eliminate the potential for human exposure to the on-site contaminated soils.
- Eliminate the potential for exposure to contaminated groundwater.
- Provide for attainment of Standards, Criteria, and Guidance (SCGs) for groundwater, soil, and indoor air to the limits of the affected area, to the extent practicable.

The “source area” soil and groundwater contamination was remediated via a soil vapor extraction and air sparging (SVE/AS) system from 2004 to 2007. In February 2007, a sub-slab depressurization system (SSDS) was installed within the basement of the Site building to replace the SVE system (NYSDEC, 2012a). Operation of the SSDS is the responsibility of the property owner and inspection and maintenance activities are managed by the NYSDEC under a separate state-wide program.

A GWETS was installed approximately one mile south (downgradient) of the Site to capture and treat the chlorinated-solvent groundwater plume. Construction completed in September 2003 and the system began operating in September 2004. Between 2003 and 2004, a monitoring well network was installed in the vicinity of and downgradient of the GWETS to monitor the system's effectiveness at treating the plume. In July 2017, operation of the system was suspended as operational and performance data was approaching asymptomatic conditions and to allow for equilibrium of the subsurface environment (D&B Engineers and Architects, P.C., 2020a).

It is MACTEC's understanding that groundwater is not utilized at or downgradient of the Site for any purposes due to the availability of public water in the area and therefore does not act as a potential exposure pathway. Molloy College, located immediately downgradient of the groundwater plume, is serviced by a public water supply (D&B Engineers and Architects, P.C., 2020a).

SITE MANAGEMENT ACTIVITY SUMMARY FOR THE REPORTING PERIOD (MARCH 2021 THROUGH FEBRUARY 2022)

This report summarizes Site Management (SM) activities completed at the Site from March 2021 through February 2022. Activities to date are being implemented to address recommendations from the 2021 Periodic Review Report (PRR) (MACTEC, 2021) including:

- Continued implementation, review, and evaluation of the existing institutional controls/engineering controls (ICs/ECs), Operation and Maintenance (O&M) Plan, and groundwater monitoring program, as applicable.
- Continued general facility maintenance tasks
    - Routine inspections of emergency lighting, exit signs, and the fire extinguisher in the GWETS building.
    - Replacement of light bulbs for emergency and GWETS area lighting, as needed.

INSTITUTIONAL CONTROLS/ENGINEERING CONTROLS

ICs/ECs provide added measures of protection for potentially exposed receptors over and above natural attenuation mechanisms and source area remedial measures. ICs for the Site include an O&M Plan, a Monitoring and Sampling Plan, and an SMP. ECs for the Site include the GWETS, the groundwater monitoring well network (ASMW-1 through ASMW-7), an alternate water supply

(Molloy College deep irrigation well MCOL-1), and vapor mitigation. Note that groundwater monitoring well ASMW-7 is equipped with a pump for use as a supplemental source of irrigation water to MCOL-1, if needed, and access to this well is provided by Molloy College. Due to the availability of public water, it is not anticipated that Molloy College will utilize this well for irrigation purposes (D&B Engineers and Architects, P.C., 2020a).

The SMP dated February 2020 includes a Monitoring and Sampling Plan and an O&M Plan for the GWETS and acts as an IC for the Site. Soil and groundwater contamination within the "source area" was successfully remediated via an SVE/AS system and groundwater is not currently utilized at or downgradient of the Site due to availability of public water.

The GWETS, installed approximately one mile south (downgradient) of the Site at the leading edge of the groundwater plume, had effectively captured and treated the groundwater plume and was put into prolonged shutdown on July 17, 2017. The monitoring well network is currently used to monitor concentrations of volatile organic compounds (VOCs) in groundwater to evaluate if the GWETS can continue to remain shut down or if it needs to be restarted. At the request of the NYSDEC, samples are also collected from the monitoring well network to screen for emerging contaminants per- and polyfluoroalkyl substances (PFAS) and 1,4-dioxane.

Based on the requirements of the March 1998 ROD, an alternate water supply, a deep irrigation well designated as MCOL-1 (located on the Molloy College property approximately 980 feet south-southeast/downgradient of the GWETS), was installed to replace an existing shallow irrigation well to prevent the shallow well's potential to draw from the contaminated groundwater plume. MCOL-1 is not currently sampled as part of routine long-term groundwater monitoring and the current condition (i.e., active, abandoned, etc.) is unknown.

Although not a required EC as part of the selected remedy, an on-site SSDS for vapor mitigation was installed in February 2007 to address chlorinated VOCs that were detected beneath the former Franklin Cleaners Site's basement slab following the decommissioning of the SVE/AS system. Operation of the SSDS is the responsibility of the property owner and inspection and maintenance activities are managed by the NYSDEC under a separate state-wide program.

Fencing and security signage is utilized to prevent Site access within the vicinity of the GWETS and acts as an EC although not a requirement of the ROD.

Monthly inspections of the emergency lighting and fire extinguisher inside the GWETS building were conducted throughout the reporting period in adherence with the Institutional and Engineering Control Plan in the SMP. An annual maintenance inspection of the fire extinguisher inside the treatment building was performed by a professional fire protection company on March 25, 2021. Fire extinguisher labels were applied to the outer door of the treatment building and the area above the extinguisher to mark its location in case of emergency. Completed inspection forms are included in **Appendix B**.

O&M ACTIVITIES

The GWETS was shut down in July 2017 and was not in operation during the reporting period; therefore, routine and non-routine system maintenance activities outlined in the O&M Plan included in the SMP were not required. Although the system was not operational, the following general facility maintenance tasks were completed, as applicable, in adherence with the Site's O&M Plan:

- Replacement of the GWETS building's emergency exit sign and emergency light above the entry door.
- Snow removal, as needed.

Additional activities completed as part of O&M activities at the Site include:

- Enclosing exposed wires entering the telecom box in the treatment building with a conduit connector to resolve a violation identified in the 2020 Report of Inspection and Notice of Violation by the New York State Office of Fire Prevention and Control (OFPC) (OFPC, 2020).
- An inspection of the treatment building by a qualified inspector with the New York State OFPC on September 22, 2021. A violation of the New York State Uniform Fire Prevention and Building Code was identified on the inspector's report for lack of documentation of the annual power test of the battery-powered emergency lighting (OFPC, 2021). The annual power test was completed on May 18, 2021; however, it was incorrectly noted as a monthly inspection within the documentation on-site. The documentation was revised and

a copy was provided the NYSDEC project manager via email.

Removal of on-site overgrown vegetation did not appear to have occurred by the NYSDEC's call-out subcontractor during the reporting period as observed during monthly site visits. Overgrown vegetation obscured well covers at and delayed access to monitoring wells ASMW-1, ASMW-2, and ASMW-3 during sampling activities in July 2021. Photos of site vegetation are included in **Appendix B**.

Additional maintenance and modifications to the system are not necessary unless full-time operation resumes. Should the GWETS resume operation, the procedures and requirements of the O&M Plan included in the February 2020 SMP shall be adhered to. Additionally, a State Pollutant Discharge Elimination System (SPDES) permit equivalency is required for the discharge of treated groundwater from the GWETS to a Nassau County Department of Public Works (NCDPW) storm sewer located along Hempstead Avenue, east of the GWETS, should the system resume operation. The permit equivalency expired January 1, 2022 (NYSDEC, 2016).

LONG-TERM GROUNDWATER MONITORING

Long-term monitoring of the groundwater plume is accomplished through the groundwater monitoring well network located approximately one mile south-southwest of the Site. Well locations are presented on **Figure 3**. Monitoring wells ASMW-1, ASMW-2, and ASMW-3 are used to monitor contaminant concentrations of the groundwater plume in the area of the GWETS. Monitoring wells ASMW-4, ASMW-5, ASMW-6, and ASMW-7 are used to monitor groundwater contaminant concentrations downgradient of the GWETS and serve as sentinel wells for the Village of Rockville Centre water supply wells located to the south. Inactive GWETS extraction wells EW-1 and EW-2 are sampled (via sample ports in the GWETS building) as part of long-term monitoring and are located along the southern median of the Southern State Parkway (eastbound), just north (upgradient) of the historical plume boundary.

In February 2020, the sampling frequency of the groundwater monitoring network was reduced from quarterly to every fifth quarter (D&B Engineers and Architects, P.C., 2020a). A matrix for long-term monitoring sampling including sample locations, sampling frequency, analytical parameters, and sample description is presented in **Table 1**. Monitoring well details are provided in **Table 2**.

All wells sampled as part of long-term monitoring of the groundwater plume during the reporting period were accessible, and concrete well pads (where applicable), protective casings, surface seals, well IDs, well risers, well plugs, and locks were observed to be in good condition with the following exceptions:

- Cracking/heaving of concrete well pads at ASMW-4 and ASMW-5 (observation first recorded on the Monitoring Well Field Inspection Log from October 15, 2019 [MACTEC, 2021]).
- Well lid bolts missing at ASMW-1, ASMW-2, ASMW-3, ASMW-4, and ASMW-5 (originally observed in photographs included the July 14 and 15, 2020 Daily Inspection Reports [MACTEC, 2021]).

The most recent long-term monitoring sampling event was conducted in July 2021. Groundwater samples were collected and analyzed for VOCs and emerging contaminants (PFAS and 1,4-dioxane) from nine locations. Analytical results from the July 2021 sampling event for VOCs and emerging contaminants are presented in **Table 3** and **Table 4**, respectively. Laboratory results for samples were provided to NYSDEC in electronic document delivery format for loading into EQuIS. The data were reviewed in accordance with MACTEC's Quality Assurance Program Plan and Program Field Activities Plan (QAPP) Category A Review (MACTEC, 2020). The Category A Review Report is included in **Appendix A**. Field records from this event are included in **Appendix B**. A summary of PCE concentrations in the monitoring well network is provided below. Groundwater PCE concentrations from the July 2021 sampling event are depicted on **Figure 4**.

PCE was the only site COC detected in groundwater samples collected during the reporting period. Chloroform was detected in two wells (ASMW-1 and ASMW-3) but did not exceed the applicable standard, and it is not a site COC. Five of the nine wells sampled contained concentrations of PCE ranging from 0.48 micrograms per liter (µg/L) (ASMW-3) to 14 µg/L (EW-2). PCE concentrations exceeded the New York State Class GA Standard (Class GA standard) for PCE of 5 µg/L at two locations, ASMW-1 and EW-2, with results of 5.7 µg/L and 14 µg/L, respectively. Site COCs were not detected in downgradient monitoring wells ASMW-4, ASMW-5, ASMW-6, and ASMW-7. PCE concentrations in EW-1, EW-2, ASMW-1, ASMW-2, and ASMW-3 from July 2017 (system shutdown) to July 2021 are included in graphs in **Appendix C** and are discussed below. PCE concentration graphs were not created for ASMW-4, ASMW-5, ASMW-6, and ASMW-7 due to low or non-detect results from July 2017 to July 2021.

ASMW-1, which is used to monitor contaminant concentrations near the historical plume boundary, and EW-2 have historically contained PCE concentrations above the Class GA Standard for PCE (5 µg/L). A spike in PCE concentrations was observed in ASMW-1 following the shutdown of the GWETS in July 2017 (D&B Engineers and Architects, P.C., 2020b). Since January 2019, PCE concentrations in ASMW-1 have exhibited a decreasing trend, and concentrations in EW-2 have exhibited an overall decreasing trend since the system shutdown in July 2017.

Monitoring wells ASMW-2 and ASMW-3, which are also used to monitor contaminant concentrations near the historical plume boundary, contained PCE concentrations of 2.8 µg/L and 0.48 µg/L, respectively. A similar spike in PCE concentrations following GWETS shutdown was also observed at ASMW-2 in 2019. Since April 2019, PCE concentrations in ASMW-2 have exhibited an overall decreasing trend. PCE concentrations in ASMW-3 have been stable and below the Class GA Standard for PCE since the shutdown of the GWETS in July 2017.

Extraction well EW-1 contained a detection of PCE at 2.2 µg/L which is below the Class GA Standard of 5 µg/L for PCE. PCE concentrations in EW-1 have been stable and below the Class GA Standard for PCE since the system shutdown.

Site COCs were not detected in monitoring wells ASMW-4, ASMW-5, ASMW-6, and ASMW-7, which act as sentinel wells for the Village of Rockville Centre water supply wells. Site COCs have consistently not been observed in these wells following the shutdown of the GWETS in July 2017 with exception of ASMW-6 which contained a PCE detection of 0.52 µg/L in July 2018.

Groundwater concentrations of VOCs for the July 2021 groundwater sampling event continue to exhibit stable trends in groundwater compared to historical data and as reported in the 2021 PRR for the Site (MACTEC, 2021). Therefore, the system shutdown has not caused VOC concentrations to rebound in the wells in the vicinity of the GWETS.

Groundwater samples were also collected and analyzed for emerging contaminants PFAS and 1,4-dioxane as part of the July 2021 sampling event. Results in **Table 4** are compared to applicable screening levels established by the NYSDEC implemented under 6 NYCRR Part 375. Ambient Water Quality Standards and/or Guidance Values for PFAS or 1,4-dioxane have not been published by the NYSDEC.

The total PFAS concentration in each of the nine wells sampled was below the screening level for total concentration of PFAS of 500 nanograms per liter [ng/L]. Concentrations of individual PFAS perfluorooctanesulfonic acid (PFOS) were above the screening level for PFOS of 10 ng/L in wells ASMW-1, ASMW-2, ASMW-3, EW-1, and EW-2. Individual PFAS, perfluorooctanoic acid (PFOA), was detected at concentrations above the screening level for PFOA of 10 ng/L in wells ASMW-1, ASMW-2, ASMW-3, ASMW-4, ASMW-5, EW-1, and EW-2. Other individual PFAS were not detected at concentrations above applicable screening levels. 1,4-Dioxane was detected in five of the nine wells sampled with concentrations ranging from 0.11 µg/L (ASMW-2) to 0.73 µg/L (ASMW-3). No screening level, standard, or guidance value for which to compare 1,4-dioxane concentrations in groundwater has been published by the NYSDEC.

The nature and extent of emerging contaminants PFAS and 1,4-dioxane has not been characterized at the Site. At the request of the NYSDEC, PFAS are being evaluated at the Site in accordance with the January 2020 *Guidelines for Sampling and Analysis of PFAS Under NYSDEC's Part 375 Remedial Programs.* PFAS and 1,4-dioxane have not been identified as COCs for this Site.

VOC and emerging contaminant (PFAS and 1,4-dioxane) concentrations in groundwater will continue to be examined during long-term monitoring events conducted every fifth quarter. The next sampling event is scheduled to be conducted in October 2022.

SUSTAINABILITY AND RESILIENCY

Potential green/sustainable elements will be considered and/or implemented for future activities at the Site to reduce energy usage, waste generation, emissions, and water usage.

Current sustainability and resiliency elements and activities implemented at the Site include:

- Use of dedicated tubing in monitoring wells for groundwater sampling events, where applicable, to minimize waste.
- Utilizing local staff for routine site visits and carpooling, when possible, to minimize transportation impacts.

If the GWETS is returned to operational status as part of the remedy, an evaluation of carbon emissions will be conducted.

COST CONTROL SUMMARY

A cost summary for MACTEC's SM activities from March 2021 through February 2022 is provided below by task.

Task 1 (Scoping)	
Labor	$219
Lodging, Travel, and MI&E	$152
	$371
Task 2 (Site Management Plan)	
Labor	$0
	$0
Task 3 (Operation and Maintenance)	
Labor	$7,477
Lodging, Travel, and MI&E	$154
Supplies & Equipment	$279
Subcontractors	$92
Electricity	$3,169
	$11,171
Task 4 (Monitoring and Reporting)	
Labor	$44,681
Lodging, Travel, M&IE	$6
Shipping	$413
Supplies & Equipment	$1,490
Laboratory Services*	$4,073
	$50,663
Task 5 (Remedial System Optimization)	
Labor	$0

Notes:
*NYSDEC direct expense
M&IE = Meals and incidental expenses

RECOMMENDATIONS FOR THE COMING YEAR (2022/2023)

In an effort to continue optimizing efficiency and remedial progress of the GWETS, and to provide further cost savings at the Site, the following are recommended:

- Continued implementation, review, and evaluation of the existing ICs/ECs, O&M Plan, and groundwater monitoring program, as applicable.
- Continued general facility maintenance tasks.

  - Routine inspections of emergency lighting, exit signs, and the fire extinguisher in the GWETS building.
  - Replacement of light bulbs for emergency and GWETS area lighting, as needed.
  - Snow removal, as needed.
- Re-establish the completion of bimonthly landscaping activities (mowing, brush removal) in the vicinity of the treatment building and around monitoring wells ASMW-2 and ASMW-3 during the growing season by a NYSDEC call-out contractor.

The following was recommended in the 2021 PRR for the Site and will be implemented with NYSDEC approval:

- Repairs to groundwater monitoring wells, including but not limited to:
  - Surface seal integrity repairs (cracking, heaving) at ASMW-4 and ASMW-5.
  - Replacement of missing bolts on well lids at ASMW-1, ASMW-2, ASMW-3, ASMW-4, and ASMW-5.

Please feel free to contact us at (207) 775-5401 with questions on the material provided herein.

Sincerely,

MACTEC Engineering and Geology, P.C.

Katie Amann
Site Project Manager

Nicole Bonsteel, PE
Technical Reviewer

Enclosures (11)

Figure 1	Site Location Map
Figure 2	Site Plan - Off-Site
Figure 3	Monitoring Well Location Map
Figure 4	Groundwater PCE Concentration Map, 2021

Table 1	Long-Term Monitoring Sample Matrix
Table 2	Monitoring Well Details
Table 3	Groundwater Monitoring Results - Volatile Organic Compounds
Table 4	Groundwater Monitoring Results - Emerging Contaminants

Appendix A	Category A Review Report
Appendix B	Field Records
Appendix C	PCE Concentration Graphs

cc: File

REFERENCES

D&B Engineers and Architects, P.C., 2020a. Site Management Plan. Prepared for the New York State Department of Environmental Conservation. February 2020.

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MACTEC, 2021. 2021 Periodic Review Report. Prepared for the New York State Department of Environmental Conservation. June 2021.

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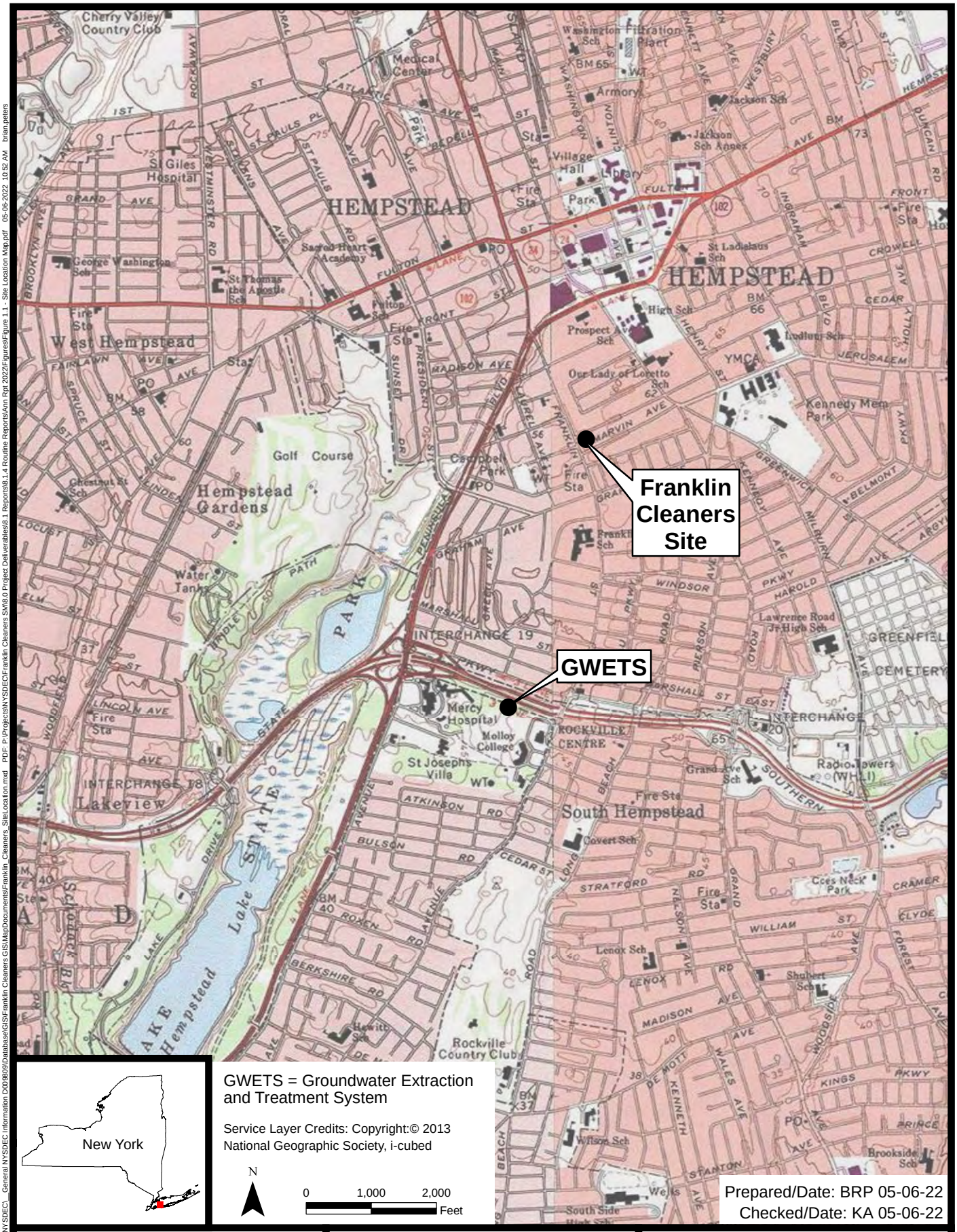
REFERENCES (CONTINUED)

OFPC, 2021. Report of Inspection and Notice of Violation. September 22, 2021.

OFPC, 2020. Report of Inspection and Notice of Violation. October 27, 2020.

FIGURES



GWETS = Groundwater Extraction and Treatment System

Prepared/Date: BRP 05-06-22
Checked/Date: KA 05-06-22

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Site Location Map

Project 3616206123 Figure 1

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2022 Site Management Report
Franklin Cleaners Site (130050)
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Site Plan - Off-Site

Project 3616206123 Figure 2

Image Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

EW-2
NM

ASMW-1
25.66

EW-1
NM

ASMW-2
26.18

ASMW-3
26.43

ASMW-4
23.57

ASMW-5
22.75

ASMW-7
NM

ASMW-6
22.03

Legend

- Monitoring Well
- Extraction Well
- Interpreted Groundwater Flow Direction

Water measurements collected
July 7, 2021 in feet above mean sea level

N

0 50 100
Feet

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2022 Site Management Report
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Monitoring Well Location Map

Project 3616206123 Figure 3

Document: P:\Projects\NYSDEC_General NYSDEC Information D009809\Database\GIS\Franklin Cleaners GIS\MapDocuments\Franklin_Cleaners_11x17P.mxd PDF: P:\Projects\NYSDEC\Franklin Cleaners SM\8.0 Project Deliverables\8.1 Reports\8.1.4 Routine Reports\SMRs\Figures\Figure 3 - MW Location Map.pdf 05-26-2022 9:02 AM brian.peters

Image Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

EW-2	
Date	Result (µg/L)
7/7/2021	14

EW-1	
Date	Result (µg/L)
7/7/2021	2.2

ASMW-1	
Date	Result (µg/L)
7/7/2021	5.7

ASMW-2	
Date	Result (µg/L)
7/7/2021	2.8

ASMW-3	
Date	Result (µg/L)
7/7/2021	0.48 J

ASMW-4	
Date	Result (µg/L)
7/7/2021	ND

ASMW-5	
Date	Result (µg/L)
7/7/2021	ND

ASMW-7	
Date	Result (µg/L)
7/7/2021	ND

ASMW-6	
Date	Result (µg/L)
7/7/2021	ND

Legend

- Monitoring Well
- Extraction Well

ND = Not detected

PCE = Tetrachloroethene

µg/L = Micrograms per liter

N

0 50 100 Feet

Prepared/Date: BRP 05-06-22
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2022 Site Management Report
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Groundwater PCE Concentration Map, 2021

Project 3616206123 Figure 4

Document: P:\Projects\NYSDEC_General NYSDEC Information D009809\Database\GIS\Franklin Cleaners GIS\MapDocuments\Franklin_PCE_2021_11x17P.mxd PDF: P:\Projects\NYSDEC\Franklin Cleaners SM\8.0 Project Deliverables\8.1 Reports\8.1.4 Routine Reports\Ann Rpt 2022\Figures\Figure 4 - GW PCE 2021.pdf 05-06-2022 11:16 AM brian.peters

TABLES

Table 1: Long-Term Monitoring Sample Matrix

Sample Location	Sampling Frequency	Analytical Parameters			Sample Description
	Every Fifth Quarter	VOCs (EPA Method 8260C)	1,4-Dioxane (EPA Method 8270E SIM)	PFAS (EPA Method 537 Modified)	
ASMW-1	X	X	X	X	Grab
ASMW-2	X	X	X	X	Grab
ASMW-3	X	X	X	X	Grab
ASMW-4	X	X	X	X	Grab
ASMW-5	X	X	X	X	Grab
ASMW-6	X	X	X	X	Grab
ASMW-7	X	X	X	X	Grab
EW-1 Influent	X	X	X	X	Grab
EW-2 Influent	X	X	X	X	Grab

Notes:

EPA = Environmental Protection Agency
PFAS = Per- and Polyfluoroalkyl substances
SIM = Selected ion monitoring
VOCs = Volatile organic compounds

Prepared by: KAA 05/10/2022
Checked by: NB 05/31/2022

Table 2: Monitoring Well Details

Well ID/Sampling Location	Measurement Point Elevation (ft. msl)	Well Depth (ft.)	Screened Interval (ft. bgs)	Monitoring Interval	Measurement Point Reference	DTW July 2021 (ft. btoc)	GW Elevation July 2021 (ft. msl)
ASMW-1	47.29	90.2	80.2 - 90.2	Overburden	TOR	21.63	25.66
ASMW-2	46.25	90	80 - 90	Overburden	TOR	20.07	26.18
ASMW-3	46.99	90	80 - 90	Overburden	TOR	20.56	26.43
ASMW-4	44.06	110	100 - 110	Overburden	TOR	20.49	23.57
ASMW-5	44.25	133	123 - 133	Overburden	TOR	21.50	22.75
ASMW-6	43.33	132	122 - 132	Overburden	TOR	21.30	22.03
ASMW-7	43.21	250	230 - 250	Overburden	TOR	NM	NM

Notes:

bgs = Below ground surface
btoc = Below top of casing
DTW = Depth to water
ft. = Feet
GW = Groundwater
msl = Mean sea level
NM = Not measured
TOR = Top of riser

Prepared by: KAA 05/25/2022
Checked by: NB 05/31/2022

Table 3: Groundwater Monitoring Results - Volatile Organic Compounds

			Location	ASMW-1		ASMW-1		ASMW-2		ASMW-3		ASMW-4		ASMW-5		ASMW-6		ASMW-7		EW-1		EW-2	
			Sample Date	7/7/2021		7/7/2021		7/7/2021		7/7/2021		7/7/2021		7/7/2021		7/7/2021		7/7/2021		7/7/2021		7/7/2021	
			Sample ID	ASMW-1		DUP-1		ASMW-2		ASMW-3		ASMW-4		ASMW-5		ASMW-6		ASMW-7		EW-1		EW-2	
			QC Code	FS		FD		FS		FS		FS		FS		FS		FS		FS		FS	
Parameter	**GA**	**GV**		Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
VOCs (µg/L)																							
1,1,1-Trichloroethane	5	NE		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1,2,2-Tetrachloroethane	5	NE		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	5	NE		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1,2-Trichloroethane	1	NE		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1-Dichloroethane	5	NE		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1-Dichloroethene	5	NE		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2,3-Trichlorobenzene	5	NE		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2,4-Trichlorobenzene	5	NE		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dibromo-3-chloropropane	0.04	NE		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dibromoethane	0.0006	NE		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichlorobenzene	3	NE		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichloroethane	0.6	NE		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichloropropane	1	NE		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,3-Dichlorobenzene	3	NE		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,4-Dichlorobenzene	3	NE		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
2-Butanone	NE	50		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2-Hexanone	NE	50		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
4-Methyl-2-pentanone	NE	NE		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Acetic acid, methyl ester	NE	NE		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Acetone	NE	50		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Benzene	1	NE		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromochloromethane	5	NE		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromodichloromethane	NE	50		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromoform	NE	50		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromomethane	5	NE		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Carbon disulfide	NE	60		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Carbon tetrachloride	5	NE		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chlorobenzene	5	NE		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloroethane	5	NE		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloroform	7	NE		**0.64**	J	**0.66**	J	1	U	**2.2**		1	U	1	U	1	U	1	U	1	U	1	U
Chloromethane	5	NE		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
cis-1,2-Dichloroethene	5	NE		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
cis-1,3-Dichloropropene	0.4	NE		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Cyclohexane	NE	NE		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Dibromochloromethane	NE	50		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Dichlorodifluoromethane	5	NE		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Ethylbenzene	5	NE		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U

Created by: WPC 05/04/2022
Checked by: KAA 05/05/2022

Table 3: Groundwater Monitoring Results - Volatile Organic Compounds

			Location	ASMW-1		ASMW-1		ASMW-2		ASMW-3		ASMW-4		ASMW-5		ASMW-6		ASMW-7		EW-1		EW-2	
			Sample Date	7/7/2021		7/7/2021		7/7/2021		7/7/2021		7/7/2021		7/7/2021		7/7/2021		7/7/2021		7/7/2021		7/7/2021	
			Sample ID	ASMW-1		DUP-1		ASMW-2		ASMW-3		ASMW-4		ASMW-5		ASMW-6		ASMW-7		EW-1		EW-2	
			QC Code	FS		FD		FS		FS		FS		FS		FS		FS		FS		FS	
Parameter	**GA**	**GV**		Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
VOCs (µg/L)																							
Isopropylbenzene	5	NE		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Methyl cyclohexane	NE	NE		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Methyl Tertbutyl Ether	NE	10		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Methylene chloride	5	NE		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Styrene	5	NE		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Tetrachloroethene	5	NE		**5.7**		**5.4**		**2.8**		**0.48**	J	1	U	1	U	1	U	1	U	**2.2**		**14**	
Toluene	5	NE		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
trans-1,2-Dichloroethene	5	NE		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
trans-1,3-Dichloropropene	0.4	NE		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Trichloroethene	5	NE		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Trichlorofluoromethane	5	NE		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Vinyl chloride	2	NE		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Xylene, o	5	NE		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Xylenes (m&p)	5	NE		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U

Notes:

Bold = Analyte detected
Bold = Exceedance of corresponding standard
GA = New York State Class GA Standard
GV = Guidance Value
FD = Field duplicate
FS = Field sample
NE = Not established
VOCs = Volatile organic compounds
J = Estimated value
U = Not detected
µg/l = Micrograms per liter

Created by: WPC 05/04/2022
Checked by: KAA 05/05/2022

Table 4: Groundwater Monitoring Results - Emerging Contaminants

				Location	ASMW-1	ASMW-1	ASMW-2	ASMW-3	ASMW-4	ASMW-5	ASMW-6	ASMW-7	EW-1	EW-2
				Sample Date	7/7/2021	7/7/2021	7/7/2021	7/7/2021	7/7/2021	7/7/2021	7/7/2021	7/7/2021	7/7/2021	7/7/2021
				Sample ID	ASMW-1	DUP-1	ASMW-2	ASMW-3	ASMW-4	ASMW-5	ASMW-6	ASMW-7	EW-1	EW-2
				QC Code	FS	FD	FS	FS	FS	FS	FS	FS	FS	FS
Parameter	**SL**	**GA**	**GV**		Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier
1,4-Dioxane (µg/L)														
1,4-Dioxane	NE	NE	NE		0.2 U	0.2 U	**0.11** J	**0.73**	0.2 U	**0.24**	**0.57**	**0.19** J	0.2 U	0.2 U
PFAS (ng/L)														
6:2 Fluorotelomer sulfonate (6:2 FTS)	100	NE	NE		4.34 U	4.21 U	4.09 U	4.45 U	4.14 U	4.38 U	4.13 U	3.94 U	4.38 U	4.16 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	100	NE	NE		1.74 U	1.68 U	1.64 U	1.78 U	1.65 U	1.75 U	1.65 U	1.58 U	**0.63** J	1.66 U
N-ethyl perfluorooctane-sulfonamidoacetic acid (N-EtFOSAA)	100	NE	NE		4.34 U	4.21 U	4.09 U	4.45 U	4.14 U	4.38 U	4.13 U	3.94 U	4.38 U	4.16 U
N-methyl perfluorooctane-sulfonamidoacetic acid (N-MeFOSAA)	100	NE	NE		4.34 U	4.21 U	4.09 U	4.45 U	4.14 U	4.38 U	4.13 U	3.94 U	4.38 U	4.16 U
Perfluorobutanesulfonic acid (PFBS)	100	NE	NE		**4.13**	**4.46**	**5.66**	**5.43**	**6.27**	**1.91**	**1.43** J	**0.52** J	**4**	**3.24**
Perfluorobutanoic acid (PFBA)	100	NE	NE		**6.57**	**6.3**	**6.94**	**6.35**	**8.34**	**5.23**	**5.67**	**2.15** J	**5.79**	**6.31**
Perfluorodecanesulfonic acid (PFDS)	100	NE	NE		1.74 U	1.68 U	1.64 U	1.78 U	1.65 U	1.75 U	1.65 U	1.58 U	1.75 U	1.66 U
Perfluorodecanoic acid (PFDA)	100	NE	NE		**0.39** J	**0.33** J	**0.37** J	**1.04** J	**0.33** J	1.75 U	1.65 U	1.58 U	**0.44** J	1.66 U
Perfluorododecanoic acid (PFDoA)	100	NE	NE		1.74 U	1.68 U	1.64 U	1.78 U	1.65 U	1.75 U	1.65 U	1.58 U	1.75 U	1.66 U
Perfluoroheptanesulfonic acid (PFHpS)	100	NE	NE		**0.53** J	**0.55** J	**0.61** J	**0.44** J	**0.34** J	1.75 U	1.65 U	1.58 U	**0.51** J	**0.4** J
Perfluoroheptanoic acid (PFHpA)	100	NE	NE		**8.95**	**9.83**	**10.2**	**6.82**	**7.45**	**5.62**	**2.45**	**0.19** J	**6.93**	**9.18**
Perfluorohexanesulfonic acid (PFHxS)	100	NE	NE		**6.51**	**6.73**	**10.8**	**6.19**	**3.76**	**4.05**	**1.54** J	1.58 U	**9.58**	**6.35**
Perfluorohexanoic acid (PFHxA)	100	NE	NE		**9.83**	**9.69**	**11.4**	**9.74**	**9.03**	**6.65**	**5.24**	**1.06** J	**8.77**	**9.87**
Perfluorononanoic acid (PFNA)	100	NE	NE		**2.18**	**2.3**	**3.23**	**11.7**	**1.87**	1.75 U	**0.23** J	1.58 U	**1.76**	**1.31** J
Perfluorooctanesulfonamide (FOSA)	100	NE	NE		1.74 U	1.68 U	1.64 U	1.78 U	1.65 U	1.75 U	1.65 U	1.58 U	1.75 U	1.66 U
Perfluorooctanesulfonic acid (PFOS)	10	NE	NE		**17.5**	**18.3**	**18.6**	**21.5**	**8.45**	**2.3**	**1.03** J	1.58 U	**17**	**12.3**
Perfluorooctanoic acid (PFOA)	10	NE	NE		**32.5**	**32.6**	**40.1**	**19.1**	**24.7**	**15.9**	**3.17**	1.58 U	**23.9**	**26.7**
Perfluoropentanoic acid (PFPeA)	100	NE	NE		**9.73**	**9.52**	**11.3**	**13.9**	**10.1**	**6.17**	**6.05**	**1.86**	**7.82**	**9.25**
Perfluorotetradecanoic acid (PFTeDA)	100	NE	NE		1.74 U	1.68 U	1.64 U	1.78 U	1.65 U	1.75 U	1.65 U	1.58 U	1.75 U	1.66 U
Perfluorotridecanoic acid (PFTrDA)	100	NE	NE		1.74 U	1.68 U	1.64 U	1.78 U	1.65 U	1.75 U	1.65 U	1.58 U	1.75 U	1.66 U
Perfluoroundecanoic acid (PFUnDA)	100	NE	NE		1.74 U	1.68 U	1.64 U	1.78 U	1.65 U	1.75 U	1.65 U	1.58 U	1.75 U	1.66 U
Sum PFAS*	500	NE	NE		**98.82**	**100.61**	**119.21**	**102.21**	**80.64**	**47.83**	**26.81**	**5.78**	**87.13**	**84.91**

Notes:
***** = Total PFAS concentration (including PFOA and PFOS) screening level (500 ng/L) established by NYSDEC DER implemented under 6 NYCRR Part 375.
Bold = Detection of corresponding NYSDEC Screening Level
Bold = Exceedance of corresponding NYSDEC Screening Level
GA = New York State Class GA Standard
GV = Guidance Value
SL = Screening Level
FD = Field duplicate
FS = Field sample
NE = Not established
PFAS = Per- and Polyfluoroalkyl Substances
J = Estimated value
U = Not detected
µg/L = Micrograms per liter
ng/L = Nanograms per liter

Created by: WPC 05/04/2022
Checked by: KAA 05/05/2022

APPENDIX A
CATEGORY A REVIEW REPORT

CATEGORY A REVIEW REPORT
JULY 2021 GROUNDWATER SAMPLING
FRANKLIN CLEANERS
HEMPSTEAD, NEW YORK

1.0 INTRODUCTION

Groundwater samples were collected in July 2021 at Franklin Cleaners in Hempstead, New York, and analyzed by TestAmerica Edison Laboratory (TA-ED) located in Amherst, New York, and TestAmerica Vermont Laboratory (TALVT) located in Burlington, Vermont. Samples were analyzed by one or more of the following United States Environmental Protection Agency (USEPA) methods:

- Volatile Organic Compounds (VOCs) by Method 8260C
- 1,4-Dioxane by Method 8270E-SIM
- Per- and Polyflourinated Alkyl Substances (PFAS) by Method 537 Modified

Results were reported in the following sample delivery groups (SDGs):

- 460-238426-1

Sample event information included in this chemistry review is presented in the following Tables:

- Table 1 – Summary of Samples and Analytical Methods
- Table 2 – Summary of Analytical Results

A summary of table notes applicable to Tables 1 and 2 is presented just before Table 1.

Laboratory deliverables included:

- Category B deliverable as defined in the New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocols (NYSDEC, 2005).

The Category A review included the following evaluations. Data review checklists are provided as Attachment A.

- Lab Report Narrative Review
- Data Package Completeness and COC records (Table 1 verification)
- Sample Preservation and Holding Times
- QC Blanks
- Laboratory Control Samples (LCS)
- Matrix Spike and Matrix Spike Duplicate (MS/MSD) (as applicable)
- Field Duplicates (as applicable)
- Surrogates (as applicable)
- Reporting Limits
- Electronic Data Qualification and Verification

The following laboratory data qualifiers or data review qualifiers are used in the final data presentation:

U = target analyte is not detected at or above the reporting limit
J = concentration is estimated

Results are interpreted to be usable as reported by the laboratory or as qualified in the following section.

2.0 POTENTIAL DATA LIMITATIONS

Based on the Category A Review the data meet the data quality objectives for all analytical methods.

Reference:

NYSDEC, 2005. "Analytical Services Protocols"; July 2005.

NYSDEC, 2010. "Technical Guidance for Site Investigation and Remediation-Appendix 2B"; DER-10; Division of Environmental Remediation; May 2010.

NYSDEC, 2019. “Data Review Guidelines for Analysis of PFAS in Non-Potable Water and Solids; October 2019.

USEPA, 2014. "Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8260B and 8260C”; HW-24, Revision 4; USEPA Region II Hazardous Waste Support Section; September 2014.

USEPA, 2010. "Validating Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8270D”; HW-22, Revision 5; USEPA Region II Hazardous Waste Support Branch; December 2010.

Data Validator: Casey Cormier

Date: September 24, 2021

Reviewed by: Julie Ricardi

Date: September 30, 2021

Standard Table Notes:

Sample Type (QC Code)

FS – field sample

FD – field duplicate

TB – trip blank

EB – equipment blank

FB – field blank

Matrix

GW – ground water

BW – blank water

TW – tap water

SV – soil vapor

SED - sediment

Units

mg/L – milligrams per liter

ng/L – nanograms per liter

µg/L – micrograms per liter

mg/kg – milligrams per kilogram

µg/kg – micrograms per kilogram

µg/m^3 – micrograms per cubic meter

Qualifiers

U – not detected above quantitation limit

J – estimated quantity

J+ - estimated quantity, biased high

J- - estimated quantity, biased low

R – data unusable

Fraction

T – total

D – dissolved

N – normal

Qualification Reason Codes

BL1 – method blank qualifier

BL2 – field or trip blank qualifier

CCV – continuing calibration verification recovery outside limits

CCV%D – continuing calibration verification percent difference exceeds goal

CCVRRF – continuing calibration relative response factor low

CI – chromatographic interference present

DCPD – dual column percent difference exceeds limit

E – result exceeds calibration range

FD – field duplicate precision goal exceeded

FP – false positive interference

HT – holding time for prep or analysis exceeded

HTG – holding time for prep or analysis grossly exceeded

ICV – initial calibration verification recovery outside limit

ICVRRF – initial calibration verification relative response factor low

ICVRSD – initial calibration verification % relative standard deviation exceeds goal

ISH – internal standard response greater than limit

ISL – internal standard response less than limit

LCSH – laboratory control sample recovery high

LCSL – laboratory control sample recovery low

LCSRPD – laboratory control sample/duplicate relative % difference precision goal exceeded

LD – lab duplicate precision goal exceeded

MSH – matrix spike and/or MS duplicate recovery high

MSL – matrix spike and/or MS duplicate recovery low

MSRPD – matrix spike/duplicate relative % difference precision goal exceeded

N – analyte identification is not certain

PEM – performance evaluation mixture exceeds limit

PM – sample percent moisture exceeds EPA guideline

SD – serial dilution result exceeds percent difference limit

SP – sample preservation/collection does not meet method requirement

SSH – surrogate recovery high

SSL – surrogate recovery low

TD – dissolved concentration exceeds total

TABLE 1 -- SUMMARY OF SAMPLES AND ANALYTICAL METHODS
CATEGORY A REVIEW REPORT
JULY 2021 GROUNDWATER SAMPLING
FRANKLIN CLEANERS SITE
HEMPSTEAD, NEW YORK

					Lab ID	TA-ED	TA-ED	TALVT
					Method Class	VOCs	1,4-Dioxane	PFAS
					Analysis Method	SW8260D	SW8270E SIM	537 Mod
					Fraction	N	N	N
Lab SDG	**Location**	**Sample ID**	**Media**	**Sample Date**	**Qc Code**	Param_Ct	Param_Ct	Param_Ct
460-238426-1	ASMW-1	ASMW-1	GW	7/7/2021	FS	51	1	21
460-238426-1	ASMW-1	DUP-1	GW	7/7/2021	FD	51	1	21
460-238426-1	ASMW-2	ASMW-2	GW	7/7/2021	FS	51	1	21
460-238426-1	ASMW-3	ASMW-3	GW	7/7/2021	FS	51	1	21
460-238426-1	ASMW-4	ASMW-4	GW	7/7/2021	FS	51	1	21
460-238426-1	ASMW-5	ASMW-5	GW	7/7/2021	FS	51	1	21
460-238426-1	ASMW-6	ASMW-6	GW	7/7/2021	FS	51	1	21
460-238426-1	ASMW-7	ASMW-7	GW	7/7/2021	FS	51	1	21
460-238426-1	EW-1	EW-1	GW	7/7/2021	FS	51	1	21
460-238426-1	EW-2	EW-2	GW	7/7/2021	FS	51	1	21

Created by: KMS 9/19/2021
Checked by: CLC 9/23/2021

TABLE 2 -- SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW REPORT
JULY 2021 GROUNDWATER SAMPLING
FRANKLIN CLEANERS SITE
HEMPSTEAD, NEW YORK

		SDG	460-238426-1		460-238426-1		460-238426-1		460-238426-1		460-238426-1	
		Location	ASMW-1		ASMW-1		ASMW-2		ASMW-3		ASMW-4	
		Sample Date	7/7/2021		7/7/2021		7/7/2021		7/7/2021		7/7/2021	
		Sample ID	ASMW-1		DUP-1		ASMW-2		ASMW-3		ASMW-4	
		QC Code	FS		FD		FS		FS		FS	
Method	**Parameter**	**Unit**	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier
537 Mod	6:2 Fluorotelomer sulfonate (6:2 FTS)	ng/l	4.34	U	4.21	U	4.09	U	4.45	U	4.14	U
537 Mod	8:2 Fluorotelomer sulfonate (8:2 FTS)	ng/l	1.74	U	1.68	U	1.64	U	1.78	U	1.65	U
538 Mod	N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	ng/l	4.34	U	4.21	U	4.09	U	4.45	U	4.14	U
539 Mod	N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	ng/l	4.34	U	4.21	U	4.09	U	4.45	U	4.14	U
540 Mod	Perfluorobutanesulfonic acid (PFBS)	ng/l	4.13		4.46		5.66		5.43		6.27	
541 Mod	Perfluorobutanoic acid (PFBA)	ng/l	6.57		6.3		6.94		6.35		8.34	
542 Mod	Perfluorodecanesulfonic acid (PFDS)	ng/l	1.74	U	1.68	U	1.64	U	1.78	U	1.65	U
543 Mod	Perfluorodecanoic acid (PFDA)	ng/l	0.39	J	0.33	J	0.37	J	1.04	J	0.33	J
544 Mod	Perfluorododecanoic acid (PFDoA)	ng/l	1.74	U	1.68	U	1.64	U	1.78	U	1.65	U
545 Mod	Perfluoroheptanesulfonic acid (PFHpS)	ng/l	0.53	J	0.55	J	0.61	J	0.44	J	0.34	J
546 Mod	Perfluoroheptanoic acid (PFHpA)	ng/l	8.95		9.83		10.2		6.82		7.45	
547 Mod	Perfluorohexanesulfonic acid (PFHxS)	ng/l	6.51		6.73		10.8		6.19		3.76	
548 Mod	Perfluorohexanoic acid (PFHxA)	ng/l	9.83		9.69		11.4		9.74		9.03	
549 Mod	Perfluorononanoic acid (PFNA)	ng/l	2.18		2.3		3.23		11.7		1.87	
550 Mod	Perfluorooctanesulfonamide (FOSA)	ng/l	1.74	U	1.68	U	1.64	U	1.78	U	1.65	U
551 Mod	Perfluorooctanesulfonic acid (PFOS)	ng/l	17.5		18.3		18.6		21.5		8.45	
552 Mod	Perfluorooctanoic acid (PFOA)	ng/l	32.5		32.6		40.1		19.1		24.7	
553 Mod	Perfluoropentanoic acid (PFPeA)	ng/l	9.73		9.52		11.3		13.9		10.1	
554 Mod	Perfluorotetradecanoic acid (PFTeDA)	ng/l	1.74	U	1.68	U	1.64	U	1.78	U	1.65	U
555 Mod	Perfluorotridecanoic acid (PFTrDA)	ng/l	1.74	U	1.68	U	1.64	U	1.78	U	1.65	U
556 Mod	Perfluoroundecanoic acid (PFUnDA)	ng/l	1.74	U	1.68	U	1.64	U	1.78	U	1.65	U
SW8260D	1,1,1-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8260D	1,1,2,2-Tetrachloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8260D	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	ug/l	1	U	1	U	1	U	1	U	1	U
SW8260D	1,1,2-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8260D	1,1-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8260D	1,1-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8260D	1,2,3-Trichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U

Created by: WCG 1/7/2022
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TABLE 2 -- SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW REPORT
JULY 2021 GROUNDWATER SAMPLING
FRANKLIN CLEANERS SITE
HEMPSTEAD, NEW YORK

		SDG	460-238426-1		460-238426-1		460-238426-1		460-238426-1		460-238426-1	
		Location	ASMW-1		ASMW-1		ASMW-2		ASMW-3		ASMW-4	
		Sample Date	7/7/2021		7/7/2021		7/7/2021		7/7/2021		7/7/2021	
		Sample ID	ASMW-1		DUP-1		ASMW-2		ASMW-3		ASMW-4	
		QC Code	FS		FD		FS		FS		FS	
Method	**Parameter**	**Unit**	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier
SW8260D	1,2,4-Trichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8260D	1,2-Dibromo-3-chloropropane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8260D	1,2-Dibromoethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8260D	1,2-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8260D	1,2-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8260D	1,2-Dichloropropane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8260D	1,3-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8260D	1,4-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8260D	2-Butanone	ug/l	5	U	5	U	5	U	5	U	5	U
SW8260D	2-Hexanone	ug/l	5	U	5	U	5	U	5	U	5	U
SW8260D	4-Methyl-2-pentanone	ug/l	5	U	5	U	5	U	5	U	5	U
SW8260D	Acetic acid, methyl ester	ug/l	5	U	5	U	5	U	5	U	5	U
SW8260D	Acetone	ug/l	5	U	5	U	5	U	5	U	5	U
SW8260D	Benzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8260D	Bromochloromethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8260D	Bromodichloromethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8260D	Bromoform	ug/l	1	U	1	U	1	U	1	U	1	U
SW8260D	Bromomethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8260D	Carbon disulfide	ug/l	1	U	1	U	1	U	1	U	1	U
SW8260D	Carbon tetrachloride	ug/l	1	U	1	U	1	U	1	U	1	U
SW8260D	Chlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8260D	Chloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8260D	Chloroform	ug/l	0.64	J	0.66	J	1	U	2.2		1	U
SW8260D	Chloromethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8260D	cis-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8260D	cis-1,3-Dichloropropene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8260D	Cyclohexane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8260D	Dibromochloromethane	ug/l	1	U	1	U	1	U	1	U	1	U

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TABLE 2 -- SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW REPORT
JULY 2021 GROUNDWATER SAMPLING
FRANKLIN CLEANERS SITE
HEMPSTEAD, NEW YORK

		SDG	460-238426-1		460-238426-1		460-238426-1		460-238426-1		460-238426-1	
		Location	ASMW-1		ASMW-1		ASMW-2		ASMW-3		ASMW-4	
		Sample Date	7/7/2021		7/7/2021		7/7/2021		7/7/2021		7/7/2021	
		Sample ID	ASMW-1		DUP-1		ASMW-2		ASMW-3		ASMW-4	
		QC Code	FS		FD		FS		FS		FS	
Method	**Parameter**	**Unit**	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier
SW8260D	Dichlorodifluoromethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8260D	Ethylbenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8260D	Isopropylbenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8260D	Methyl cyclohexane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8260D	Methyl Tertbutyl Ether	ug/l	1	U	1	U	1	U	1	U	1	U
SW8260D	Methylene chloride	ug/l	1	U	1	U	1	U	1	U	1	U
SW8260D	Styrene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8260D	Tetrachloroethene	ug/l	5.7		5.4		2.8		0.48	J	1	U
SW8260D	Toluene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8260D	trans-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8260D	trans-1,3-Dichloropropene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8260D	Trichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8260D	Trichlorofluoromethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8260D	Vinyl chloride	ug/l	1	U	1	U	1	U	1	U	1	U
SW8260D	Xylene, o	ug/l	1	U	1	U	1	U	1	U	1	U
SW8260D	Xylenes (m&p)	ug/l	1	U	1	U	1	U	1	U	1	U
SW8270E S	1,4-Dioxane	ug/l	0.2	U	0.2	U	0.11	J	0.73		0.2	U

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CATEGORY A REVIEW REPORT
JULY 2021 GROUNDWATER SAMPLING
FRANKLIN CLEANERS SITE
HEMPSTEAD, NEW YORK

			SDG	460-238426-1		460-238426-1		460-238426-1		460-238426-1		460-238426-1	
			Location	ASMW-5		ASMW-6		ASMW-7		EW-1		EW-2	
			Sample Date	7/7/2021		7/7/2021		7/7/2021		7/7/2021		7/7/2021	
			Sample ID	ASMW-5		ASMW-6		ASMW-7		EW-1		EW-2	
			QC Code	FS		FS		FS		FS		FS	
Method	**Parameter**	**Unit**		Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier
537 Mod	6:2 Fluorotelomer sulfonate (6:2 FTS)	ng/l		4.38	U	4.13	U	3.94	U	4.38	U	4.16	U
537 Mod	8:2 Fluorotelomer sulfonate (8:2 FTS)	ng/l		1.75	U	1.65	U	1.58	U	0.63	J	1.66	U
538 Mod	N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	ng/l		4.38	U	4.13	U	3.94	U	4.38	U	4.16	U
539 Mod	N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	ng/l		4.38	U	4.13	U	3.94	U	4.38	U	4.16	U
540 Mod	Perfluorobutanesulfonic acid (PFBS)	ng/l		1.91		1.43	J	0.52	J	4		3.24	
541 Mod	Perfluorobutanoic acid (PFBA)	ng/l		5.23		5.67		2.15	J	5.79		6.31	
542 Mod	Perfluorodecanesulfonic acid (PFDS)	ng/l		1.75	U	1.65	U	1.58	U	1.75	U	1.66	U
543 Mod	Perfluorodecanoic acid (PFDA)	ng/l		1.75	U	1.65	U	1.58	U	0.44	J	1.66	U
544 Mod	Perfluorododecanoic acid (PFDoA)	ng/l		1.75	U	1.65	U	1.58	U	1.75	U	1.66	U
545 Mod	Perfluoroheptanesulfonic acid (PFHpS)	ng/l		1.75	U	1.65	U	1.58	U	0.51	J	0.4	J
546 Mod	Perfluoroheptanoic acid (PFHpA)	ng/l		5.62		2.45		0.19	J	6.93		9.18	
547 Mod	Perfluorohexanesulfonic acid (PFHxS)	ng/l		4.05		1.54	J	1.58	U	9.58		6.35	
548 Mod	Perfluorohexanoic acid (PFHxA)	ng/l		6.65		5.24		1.06	J	8.77		9.87	
549 Mod	Perfluorononanoic acid (PFNA)	ng/l		1.75	U	0.23	J	1.58	U	1.76		1.31	J
550 Mod	Perfluorooctanesulfonamide (FOSA)	ng/l		1.75	U	1.65	U	1.58	U	1.75	U	1.66	U
551 Mod	Perfluorooctanesulfonic acid (PFOS)	ng/l		2.3		1.03	J	1.58	U	17		12.3	
552 Mod	Perfluorooctanoic acid (PFOA)	ng/l		15.9		3.17		1.58	U	23.9		26.7	
553 Mod	Perfluoropentanoic acid (PFPeA)	ng/l		6.17		6.05		1.86		7.82		9.25	
554 Mod	Perfluorotetradecanoic acid (PFTeDA)	ng/l		1.75	U	1.65	U	1.58	U	1.75	U	1.66	U
555 Mod	Perfluorotridecanoic acid (PFTrDA)	ng/l		1.75	U	1.65	U	1.58	U	1.75	U	1.66	U
556 Mod	Perfluoroundecanoic acid (PFUnDA)	ng/l		1.75	U	1.65	U	1.58	U	1.75	U	1.66	U
SW8260D	1,1,1-Trichloroethane	ug/l		1	U	1	U	1	U	1	U	1	U
SW8260D	1,1,2,2-Tetrachloroethane	ug/l		1	U	1	U	1	U	1	U	1	U
SW8260D	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	ug/l		1	U	1	U	1	U	1	U	1	U
SW8260D	1,1,2-Trichloroethane	ug/l		1	U	1	U	1	U	1	U	1	U
SW8260D	1,1-Dichloroethane	ug/l		1	U	1	U	1	U	1	U	1	U
SW8260D	1,1-Dichloroethene	ug/l		1	U	1	U	1	U	1	U	1	U
SW8260D	1,2,3-Trichlorobenzene	ug/l		1	U	1	U	1	U	1	U	1	U

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Checked by: CLC 1/7/2022

TABLE 2 -- SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW REPORT
JULY 2021 GROUNDWATER SAMPLING
FRANKLIN CLEANERS SITE
HEMPSTEAD, NEW YORK

			SDG	460-238426-1		460-238426-1		460-238426-1		460-238426-1		460-238426-1	
			Location	ASMW-5		ASMW-6		ASMW-7		EW-1		EW-2	
			Sample Date	7/7/2021		7/7/2021		7/7/2021		7/7/2021		7/7/2021	
			Sample ID	ASMW-5		ASMW-6		ASMW-7		EW-1		EW-2	
			QC Code	FS		FS		FS		FS		FS	
Method	**Parameter**	**Unit**		Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier
SW8260D	1,2,4-Trichlorobenzene	ug/l		1	U	1	U	1	U	1	U	1	U
SW8260D	1,2-Dibromo-3-chloropropane	ug/l		1	U	1	U	1	U	1	U	1	U
SW8260D	1,2-Dibromoethane	ug/l		1	U	1	U	1	U	1	U	1	U
SW8260D	1,2-Dichlorobenzene	ug/l		1	U	1	U	1	U	1	U	1	U
SW8260D	1,2-Dichloroethane	ug/l		1	U	1	U	1	U	1	U	1	U
SW8260D	1,2-Dichloropropane	ug/l		1	U	1	U	1	U	1	U	1	U
SW8260D	1,3-Dichlorobenzene	ug/l		1	U	1	U	1	U	1	U	1	U
SW8260D	1,4-Dichlorobenzene	ug/l		1	U	1	U	1	U	1	U	1	U
SW8260D	2-Butanone	ug/l		5	U	5	U	5	U	5	U	5	U
SW8260D	2-Hexanone	ug/l		5	U	5	U	5	U	5	U	5	U
SW8260D	4-Methyl-2-pentanone	ug/l		5	U	5	U	5	U	5	U	5	U
SW8260D	Acetic acid, methyl ester	ug/l		5	U	5	U	5	U	5	U	5	U
SW8260D	Acetone	ug/l		5	U	5	U	5	U	5	U	5	U
SW8260D	Benzene	ug/l		1	U	1	U	1	U	1	U	1	U
SW8260D	Bromochloromethane	ug/l		1	U	1	U	1	U	1	U	1	U
SW8260D	Bromodichloromethane	ug/l		1	U	1	U	1	U	1	U	1	U
SW8260D	Bromoform	ug/l		1	U	1	U	1	U	1	U	1	U
SW8260D	Bromomethane	ug/l		1	U	1	U	1	U	1	U	1	U
SW8260D	Carbon disulfide	ug/l		1	U	1	U	1	U	1	U	1	U
SW8260D	Carbon tetrachloride	ug/l		1	U	1	U	1	U	1	U	1	U
SW8260D	Chlorobenzene	ug/l		1	U	1	U	1	U	1	U	1	U
SW8260D	Chloroethane	ug/l		1	U	1	U	1	U	1	U	1	U
SW8260D	Chloroform	ug/l		1	U	1	U	1	U	1	U	1	U
SW8260D	Chloromethane	ug/l		1	U	1	U	1	U	1	U	1	U
SW8260D	cis-1,2-Dichloroethene	ug/l		1	U	1	U	1	U	1	U	1	U
SW8260D	cis-1,3-Dichloropropene	ug/l		1	U	1	U	1	U	1	U	1	U
SW8260D	Cyclohexane	ug/l		1	U	1	U	1	U	1	U	1	U
SW8260D	Dibromochloromethane	ug/l		1	U	1	U	1	U	1	U	1	U

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TABLE 2 -- SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW REPORT
JULY 2021 GROUNDWATER SAMPLING
FRANKLIN CLEANERS SITE
HEMPSTEAD, NEW YORK

			SDG	460-238426-1		460-238426-1		460-238426-1		460-238426-1		460-238426-1	
			Location	ASMW-5		ASMW-6		ASMW-7		EW-1		EW-2	
			Sample Date	7/7/2021		7/7/2021		7/7/2021		7/7/2021		7/7/2021	
			Sample ID	ASMW-5		ASMW-6		ASMW-7		EW-1		EW-2	
			QC Code	FS		FS		FS		FS		FS	
Method	**Parameter**	**Unit**		Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier
SW8260D	Dichlorodifluoromethane	ug/l		1	U	1	U	1	U	1	U	1	U
SW8260D	Ethylbenzene	ug/l		1	U	1	U	1	U	1	U	1	U
SW8260D	Isopropylbenzene	ug/l		1	U	1	U	1	U	1	U	1	U
SW8260D	Methyl cyclohexane	ug/l		1	U	1	U	1	U	1	U	1	U
SW8260D	Methyl Tertbutyl Ether	ug/l		1	U	1	U	1	U	1	U	1	U
SW8260D	Methylene chloride	ug/l		1	U	1	U	1	U	1	U	1	U
SW8260D	Styrene	ug/l		1	U	1	U	1	U	1	U	1	U
SW8260D	Tetrachloroethene	ug/l		1	U	1	U	1	U	2.2		14	
SW8260D	Toluene	ug/l		1	U	1	U	1	U	1	U	1	U
SW8260D	trans-1,2-Dichloroethene	ug/l		1	U	1	U	1	U	1	U	1	U
SW8260D	trans-1,3-Dichloropropene	ug/l		1	U	1	U	1	U	1	U	1	U
SW8260D	Trichloroethene	ug/l		1	U	1	U	1	U	1	U	1	U
SW8260D	Trichlorofluoromethane	ug/l		1	U	1	U	1	U	1	U	1	U
SW8260D	Vinyl chloride	ug/l		1	U	1	U	1	U	1	U	1	U
SW8260D	Xylene, o	ug/l		1	U	1	U	1	U	1	U	1	U
SW8260D	Xylenes (m&p)	ug/l		1	U	1	U	1	U	1	U	1	U
SW8270E S	1,4-Dioxane	ug/l		0.24		0.57		0.19	J	0.2	U	0.2	U

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CATEGORY A REVIEW REPORT
JULY 2021 GROUNDWATER SAMPLING
FRANKLIN CLEANERS
HEMPSTEAD, NEW YORK

ATTACHMENT A

VOCs and 1,4-Dioxane

PROJECT CATEGORY A REVIEW RECORD
Project: Franklin Cleaners
Method : SW-846 8260C and 8270E-SIM
Laboratory: TAL Edison **SDG(s): 460-238426-1**
Date: 9/13/2021
Reviewer: Casey Cormier
Review Level [X] CATEGORY A

1. ☑ **Case Narrative Review and COC/Data Package Completeness** COMMENTS
   Were problems noted? Yes, see attached

   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ **Holding time and Sample Collection**
   All samples were analyzed within the 14 day holding time. YES NO (circle one)
3. ☑ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)

   Are Trip blanks free of contamination? YES NO (circle one) Trip blank not submitted

   Are Rinse blanks free of contamination? YES NO NA (circle one)

4. ☑ **Matrix Spike** - Region II limits (water and soil 70-130%, water RPD 20, soil RPD 35)
   Were MS/MSDs submitted/analyzed? YES NO

   Were all results within the Region II limits? YES NO NA (circle one) High bias, ND: No Qual
5. ☑ **Laboratory Control Sample Results** - Region II (Water and soil 70-130%)

   Were all results were within Region II control limits? YES NO (circle one) High bias, ND: No Qual

6. ☑ **Surrogate Recovery** - Region II limits (water 80-120%, soil 70-130%)

   Were all results within Region II limits? YES NO (circle one)

7. ☑ **Field Duplicates** - Region II Limits (water RPD 50, soil RPD 100)
   Were Field Duplicates submitted/analyzed? YES NO

   Were all results within Region II Limits? YES NO NA (circle one)

8. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)
   TAL originally reported sample results to the RL rather than the MDL; a revised report and EDD were received 12/21/21
9. ☑ **Electronic Data Review and Edits**
   Does the EDD match the Form Is? YES NO (circle one)

10. ☑ **Table Review**
    Table 1 (Samples and Analytical Methods)
    Table 2 (Analytical Results) No Qual, Table 3 not produced
    Table 3 (Qualification Actions)
    Were all tables produced and reviewed? YES NO (circle one)

    Table 4 (TICs) Did lab report TICs? YES NO (circle one)

PFAS

NYSDEC PROJECT CATEGORY A REVIEW RECORD
Project: Franklin Cleaners
Method : Modified 537
Laboratory and SDG(s): TAL VT **SDG# 460-238426-1**
Date: 12/10/2021
Reviewer: Casey Cormier
Review Level [X] CATEGORY A

1. [X] **Case Narrative Review and Data Package Completeness** COMMENTS
   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. [X] **Holding time and Sample Collection**
   Were all water samples extracted within the 14 day holding time, and extracts analyzed within 28 days? YES NO (circle one)

3. [X] **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)

   Are field reagent blanks free of contamination? YES NO NA (circle one)

4. [X] **Laboratory Control Sample Results** (70-130)
   Were all results within limits? YES NO (circle one)

5. [X] **Matrix Spike** (water & soil limits: 70-130)
   Were MS/MSDs submitted/analyzed? YES NO

   Were all results were within limits? YES NO NA (circle one)

6. [X] **Surrogate Recovery (**Extracted Isotope Dilution Standards**)** (50-150)
   Were all results within limits? YES NO (circle one)
   Were any recoveries < 10%? (use professional judgment)

7. [X] **Field Duplicates** (RPD limits = water:30, soil:30)
   Were Field Duplicates submitted/analyzed? YES NO

   Were RPDs within criteria. YES NO NA (circle one)

8. [X] **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

9. [X] **Electronic Data Review and Edits**: Does the EDD match the Form I's? YES NO (circle one)

10. [X] **Table Review**
    Table 1 (Samples and Analytical Methods)
    Table 2 (Analytical Results)
    Table 3 (Qualification Actions)
    Were all tables produced and reviewed? YES NO (circle one)

CASE NARRATIVE

Client: New York State D.E.C.

Project: Franklin Cleaners

Report Number: 460-238426-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 07/08/2021; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples ASMW-1 (460-238426-1), ASMW-2 (460-238426-2), ASMW-3 (460-238426-3), ASMW-4 (460-238426-4), ASMW-5 (460-238426-5), ASMW-6 (460-238426-6), ASMW-7 (460-238426-7), EW-1 (460-238426-8), EW-2 (460-238426-9) and DUP-1 (460-238426-10) were analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260D. The samples were analyzed on 07/15/2021.

The continuing calibration verification (CCV) analyzed in batch 460-790351 was outside the method criteria for the following analyte(s): 1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene (biased high); Dichlorodifluoromethane (biased low). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample (LCS) for analytical batch 460-790351 recovered outside control limits for the following analyte: 1,2,4-Trichlorobenzene. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

1,2,4-Trichlorobenzene failed the recovery criteria high for LCS 460-790351/3. Refer to the QC report for details.

1,2,4-Trichlorobenzene failed the recovery criteria high for the MS/MSD of sample ASMW-6MS/MSD (460-238426-6) in batch 460-790351.

Refer to the QC report for details.

No other difficulties were encountered during the Volatiles analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS - SELECTED ION MODE (SIM) - ISOTOPE DILUTION - 1,4 DIOXANE

Samples ASMW-1 (460-238426-1), ASMW-2 (460-238426-2), ASMW-3 (460-238426-3), ASMW-4 (460-238426-4), ASMW-5 (460-238426-5), ASMW-6 (460-238426-6), ASMW-7 (460-238426-7), EW-1 (460-238426-8), EW-2 (460-238426-9) and DUP-1 (460-238426-10) were analyzed for semivolatile organic compounds - Selected Ion Mode (SIM) - Isotope Dilution - 1,4 Dioxane in accordance with EPA SW-846 Method 8270E SIM 1,4Dioxane. The samples were prepared on 07/13/2021 and analyzed on 07/14/2021.

No difficulties were encountered during the 1,4 Dioxane analysis.

All quality control parameters were within the acceptance limits.

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-790351/3
Matrix: Water
Analysis Batch: 790351

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	% Rec Limits: 70 - 130
Styrene	20.0	20.7		ug/L		104	75 - 127	
m-Xylene & p-Xylene	20.0	19.6		ug/L		98	78 - 123	
o-Xylene	20.0	19.9		ug/L		100	78 - 122	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	20.3		ug/L		101	59 - 142	
Methyl tert-butyl ether	20.0	18.9		ug/L		95	65 - 131	
Cyclohexane	20.0	19.4		ug/L		97	67 - 133	
Ethylene Dibromide	20.0	20.3		ug/L		101	69 - 126	
1,3-Dichlorobenzene	20.0	20.6		ug/L		103	80 - 121	
1,4-Dichlorobenzene	20.0	20.4		ug/L		102	80 - 118	
1,2-Dichlorobenzene	20.0	21.1		ug/L		105	79 - 122	
Dichlorodifluoromethane	20.0	14.7		ug/L		73	31 - 150	
1,2,4-Trichlorobenzene	20.0	33.4	*+	ug/L		167	64 - 132	ND No Qual
1,2,3-Trichlorobenzene	20.0	26.5		ug/L		133	53 - 144	ND No Qual
1,2-Dibromo-3-Chloropropane	20.0	22.0		ug/L		110	41 - 143	
Chlorobromomethane	20.0	21.5		ug/L		107	73 - 126	
Isopropylbenzene	20.0	20.0		ug/L		100	79 - 125	
Methyl acetate	40.0	40.5		ug/L		101	70 - 127	
Methylcyclohexane	20.0	19.4		ug/L		97	60 - 139	

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 123*
Toluene-d8 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene	*109*		*76 - 120*
Dibromofluoromethane (Surr)	*97*		*77 - 124*

Lab Sample ID: 460-238426-6 MS
Matrix: Water
Analysis Batch: 790351

Client Sample ID: ASMW-6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	ND		20.0	20.7		ug/L		104	38 - 150
Bromomethane	ND		20.0	22.9		ug/L		114	43 - 150
Vinyl chloride	ND		20.0	21.9		ug/L		110	61 - 144
Chloroethane	ND		20.0	23.2		ug/L		116	50 - 150
Methylene Chloride	ND		20.0	19.2		ug/L		96	74 - 127
Acetone	ND		100	84.9		ug/L		85	61 - 134
Carbon disulfide	ND		20.0	19.4		ug/L		97	64 - 138
Trichlorofluoromethane	ND		20.0	21.0		ug/L		105	61 - 140
1,1-Dichloroethene	ND		20.0	19.2		ug/L		96	68 - 133
1,1-Dichloroethane	ND		20.0	19.3		ug/L		97	73 - 130
trans-1,2-Dichloroethene	ND		20.0	19.6		ug/L		98	74 - 126
cis-1,2-Dichloroethene	ND		20.0	19.7		ug/L		99	78 - 121
Chloroform	ND		20.0	19.7		ug/L		98	78 - 125
1,2-Dichloroethane	ND		20.0	18.4		ug/L		92	75 - 121
2-Butanone (MEK)	ND		100	100		ug/L		100	69 - 128
1,1,1-Trichloroethane	ND		20.0	18.8		ug/L		94	68 - 128
Carbon tetrachloride	ND		20.0	19.7		ug/L		98	56 - 131
Dichlorobromomethane	ND		20.0	19.6		ug/L		98	72 - 121

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 460-238426-6 MS
Matrix: Water
Analysis Batch: 790351

Client Sample ID: ASMW-6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	%Rec Limits: 70 - 130
1,2-Dichloropropane	ND		20.0	20.0		ug/L		100	76 - 126	
cis-1,3-Dichloropropene	ND		20.0	20.8		ug/L		104	74 - 125	
Trichloroethene	ND		20.0	19.8		ug/L		99	71 - 121	
Chlorodibromomethane	ND		20.0	19.6		ug/L		98	58 - 130	
1,1,2-Trichloroethane	ND		20.0	20.0		ug/L		100	74 - 125	
Benzene	ND		20.0	20.7		ug/L		104	78 - 126	
trans-1,3-Dichloropropene	ND		20.0	19.7		ug/L		98	66 - 127	
Bromoform	ND		20.0	20.2		ug/L		101	38 - 144	
4-Methyl-2-pentanone (MIBK)	ND		100	106		ug/L		106	69 - 128	
2-Hexanone	ND		100	103		ug/L		103	74 - 127	
Tetrachloroethene	ND		20.0	22.1		ug/L		110	70 - 127	
1,1,2,2-Tetrachloroethane	ND		20.0	18.7		ug/L		93	63 - 139	
Toluene	ND		20.0	20.3		ug/L		102	78 - 119	
Chlorobenzene	ND		20.0	20.0		ug/L		100	80 - 119	
Ethylbenzene	ND		20.0	19.8		ug/L		99	78 - 120	
Styrene	ND		20.0	19.9		ug/L		100	75 - 127	
m-Xylene & p-Xylene	ND		20.0	19.9		ug/L		100	78 - 123	
o-Xylene	ND		20.0	20.1		ug/L		100	78 - 122	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20.0	18.8		ug/L		94	59 - 142	
Methyl tert-butyl ether	ND		20.0	18.6		ug/L		93	65 - 131	
Cyclohexane	ND		20.0	18.9		ug/L		95	67 - 133	
Ethylene Dibromide	ND		20.0	19.1		ug/L		96	69 - 126	
1,3-Dichlorobenzene	ND		20.0	19.8		ug/L		99	80 - 121	
1,4-Dichlorobenzene	ND		20.0	19.6		ug/L		98	80 - 118	
1,2-Dichlorobenzene	ND		20.0	20.1		ug/L		101	79 - 122	
Dichlorodifluoromethane	ND		20.0	15.2		ug/L		76	31 - 150	
1,2,4-Trichlorobenzene	ND	F1 *+	20.0	29.4	F1	ug/L		147	64 - 132	ND No Qual
1,2,3-Trichlorobenzene	ND		20.0	23.0		ug/L		115	53 - 144	
1,2-Dibromo-3-Chloropropane	ND		20.0	17.9		ug/L		90	41 - 143	
Chlorobromomethane	ND		20.0	19.7		ug/L		99	73 - 126	
Isopropylbenzene	ND		20.0	19.8		ug/L		99	79 - 125	
Methyl acetate	ND		40.0	37.3		ug/L		93	70 - 127	
Methylcyclohexane	ND		20.0	18.6		ug/L		93	60 - 139	

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 123*
Toluene-d8 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene	*108*		*76 - 120*
Dibromofluoromethane (Surr)	*96*		*77 - 124*

Lab Sample ID: 460-238426-6 MSD
Matrix: Water
Analysis Batch: 790351

Client Sample ID: ASMW-6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	% Rec Limits: 70 - 130 RPD	RPD Limit
Chloromethane	ND		20.0	20.7		ug/L		104	38 - 150	0	30
Bromomethane	ND		20.0	27.9		ug/L	ND No Qual	139	43 - 150	20	30
Vinyl chloride	ND		20.0	22.9		ug/L		115	61 - 144	4	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 460-238426-6 MSD
Matrix: Water
Analysis Batch: 790351

Client Sample ID: ASMW-6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloroethane	ND		20.0	23.7		ug/L		118	50 - 150	2	30
Methylene Chloride	ND		20.0	19.9		ug/L		100	74 - 127	4	30
Acetone	ND		100	85.8		ug/L		86	61 - 134	1	30
Carbon disulfide	ND		20.0	20.3		ug/L		102	64 - 138	5	30
Trichlorofluoromethane	ND		20.0	22.0		ug/L		110	61 - 140	5	30
1,1-Dichloroethene	ND		20.0	21.1		ug/L		105	68 - 133	9	30
1,1-Dichloroethane	ND		20.0	19.7		ug/L		99	73 - 130	2	30
trans-1,2-Dichloroethene	ND		20.0	20.5		ug/L		103	74 - 126	5	30
cis-1,2-Dichloroethene	ND		20.0	20.0		ug/L		100	78 - 121	1	30
Chloroform	ND		20.0	20.0		ug/L		100	78 - 125	2	30
1,2-Dichloroethane	ND		20.0	18.9		ug/L		95	75 - 121	3	30
2-Butanone (MEK)	ND		100	100		ug/L		100	69 - 128	0	30
1,1,1-Trichloroethane	ND		20.0	20.0		ug/L		100	68 - 128	6	30
Carbon tetrachloride	ND		20.0	20.9		ug/L		105	56 - 131	6	30
Dichlorobromomethane	ND		20.0	19.8		ug/L		99	72 - 121	1	30
1,2-Dichloropropane	ND		20.0	20.4		ug/L		102	76 - 126	2	30
cis-1,3-Dichloropropene	ND		20.0	20.4		ug/L		102	74 - 125	2	30
Trichloroethene	ND		20.0	20.9		ug/L		104	71 - 121	5	30
Chlorodibromomethane	ND		20.0	20.3		ug/L		102	58 - 130	4	30
1,1,2-Trichloroethane	ND		20.0	20.0		ug/L		100	74 - 125	0	30
Benzene	ND		20.0	21.1		ug/L		105	78 - 126	2	30
trans-1,3-Dichloropropene	ND		20.0	20.1		ug/L		100	66 - 127	2	30
Bromoform	ND		20.0	20.3		ug/L		101	38 - 144	0	30
4-Methyl-2-pentanone (MIBK)	ND		100	109		ug/L		109	69 - 128	2	30
2-Hexanone	ND		100	103		ug/L		103	74 - 127	0	30
Tetrachloroethene	ND		20.0	22.5		ug/L		113	70 - 127	2	30
1,1,2,2-Tetrachloroethane	ND		20.0	18.5		ug/L		93	63 - 139	1	30
Toluene	ND		20.0	20.9		ug/L		104	78 - 119	3	30
Chlorobenzene	ND		20.0	20.7		ug/L		103	80 - 119	3	30
Ethylbenzene	ND		20.0	20.6		ug/L		103	78 - 120	4	30
Styrene	ND		20.0	20.2		ug/L		101	75 - 127	2	30
m-Xylene & p-Xylene	ND		20.0	20.4		ug/L		102	78 - 123	2	30
o-Xylene	ND		20.0	20.4		ug/L		102	78 - 122	2	30
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20.0	20.2		ug/L		101	59 - 142	7	30
Methyl tert-butyl ether	ND		20.0	18.3		ug/L		91	65 - 131	2	30
Cyclohexane	ND		20.0	19.9		ug/L		100	67 - 133	5	30
Ethylene Dibromide	ND		20.0	19.8		ug/L		99	69 - 126	4	30
1,3-Dichlorobenzene	ND		20.0	20.5		ug/L		103	80 - 121	3	30
1,4-Dichlorobenzene	ND		20.0	19.9		ug/L		100	80 - 118	2	30
1,2-Dichlorobenzene	ND		20.0	20.8		ug/L		104	79 - 122	3	30
Dichlorodifluoromethane	ND		20.0	16.2		ug/L		81	31 - 150	6	30
1,2,4-Trichlorobenzene	ND	F1 *+	20.0	30.9	F1	ug/L	ND No Qual	155	64 - 132	5	30
1,2,3-Trichlorobenzene	ND		20.0	24.6		ug/L		123	53 - 144	7	30
1,2-Dibromo-3-Chloropropane	ND		20.0	18.5		ug/L		92	41 - 143	3	30
Chlorobromomethane	ND		20.0	21.5		ug/L		107	73 - 126	9	30
Isopropylbenzene	ND		20.0	20.4		ug/L		102	79 - 125	3	30
Methyl acetate	ND		40.0	34.6		ug/L		87	70 - 127	8	30
Methylcyclohexane	ND		20.0	19.7		ug/L		99	60 - 139	6	30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-238426-1

SDG No.:

Client Sample ID: ASMW-1 Lab Sample ID: 460-238426-1

Matrix: Water Lab File ID: O75224.D

Analysis Method: 8260D Date Collected: 07/07/2021 14:50

Sample wt/vol: 5(mL) Date Analyzed: 07/15/2021 00:01

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 790351 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
74-87-3	Chloromethane	ND		1.0	
74-83-9	Bromomethane	ND		1.0	
75-01-4	Vinyl chloride	ND		1.0	
75-00-3	Chloroethane	ND		1.0	
75-09-2	Methylene Chloride	ND		1.0	
67-64-1	Acetone	ND		5.0	
75-15-0	Carbon disulfide	ND		1.0	
75-69-4	Trichlorofluoromethane	ND		1.0	
75-35-4	1,1-Dichloroethene	ND		1.0	
75-34-3	1,1-Dichloroethane	ND		1.0	
156-60-5	trans-1,2-Dichloroethene	ND		1.0	
156-59-2	cis-1,2-Dichloroethene	ND		1.0	
67-66-3	Chloroform	ND		1.0	
107-06-2	1,2-Dichloroethane	ND		1.0	
78-93-3	2-Butanone (MEK)	ND		5.0	
71-55-6	1,1,1-Trichloroethane	ND		1.0	
56-23-5	Carbon tetrachloride	ND		1.0	
75-27-4	Dichlorobromomethane	ND		1.0	
78-87-5	1,2-Dichloropropane	ND		1.0	
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	
79-01-6	Trichloroethene	ND		1.0	
124-48-1	Chlorodibromomethane	ND		1.0	
79-00-5	1,1,2-Trichloroethane	ND		1.0	
71-43-2	Benzene	ND		1.0	
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	
75-25-2	Bromoform	ND		1.0	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	
591-78-6	2-Hexanone	ND		5.0	
127-18-4	Tetrachloroethene	5.7		1.0	
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	
108-88-3	Toluene	ND		1.0	
108-90-7	Chlorobenzene	ND		1.0	
100-41-4	Ethylbenzene	ND		1.0	
100-42-5	Styrene	ND		1.0	
179601-23-1	m-Xylene & p-Xylene	ND		1.0	
95-47-6	o-Xylene	ND		1.0	

APPENDIX B
FIELD RECORDS

EMERGENCY LIGHTING AND EXIT SIGN TEST LOGS

Franklin Cleaners GWE and TS Site
Site No. 130050
Emergency Lighting and Exit Sign Test Log

Date: 3-25-21
Serial Number:
Initials: MB

Test Date	Annual or Monthly (A or M)	Unit Number	Start Time	Stop Time	Pass/Fail	Explanation for failure and planned corrective action
3-25-21	M		17:07	17:08	P	
3-25-21	M		17:09	17:09	P	
3-25-21	M		17:10	17:10	F	Test button on light doesn't work but when interior light breaker switch is turned on the light does turn on. Light needs to be repaired or replaced.

Franklin Cleaners GWE and TS Site
Site No. 130050
Emergency Lighting and Exit Sign Test Log

Date: 4/28/21
Serial Number:
Initials:

Test Date	Annual or Monthly (A or M)	Unit Number	Start Time	Stop Time	Pass/Fail	Explanation for failure and planned corrective action
4/28/21	M	1 (Door)	10:50	12:30	Pass	
4/28/21	M	2 (northwall)	10:50	12:30	Pass	
4/28/21	M	3 (southwall)	10:50	12:30	Pass	
4/28/21	M	Exit	10:50	12:30	Pass	

Franklin Cleaners GWE and TS Site
Site No. 130090
Emergency Lighting and Exit Sign Test Log

Date: 5/18/21
Serial Number:
Initials: [illegible]

Test Date	Annual or Monthly (A or M)	Unit Number	Start Time	Stop Time	Pass/Fail	Explanation for failure and planned corrective action
5/18/21	~~M~~ A	Exit	10:00	12:00	P	Replaced
5/18/21	~~M~~ A	① Above door	10:00	12:00	P	East Wall
5/18/21	~~M~~ A	② Wall Above AHC	10:00	12:00	P	South Wall
5/18/21	~~M~~ A	③ Wall Above Carbon tank	10:00	12:00	P	North Wall
	9/28/21 [illegible]					

Franklin Cleaners GWE and TS Site
Site No. 130050
Emergency Lighting and Exit Sign Test Log

Date: 6-10-21
Serial Number:
Initials: MB

Test Date	Annual or Monthly (A or M)	Unit Number	Start Time	Stop Time	Pass/Fail	Explanation for failure and planned corrective action
6-10-21	M		10:37	10:37	P	
6-10-21	M		10:39	10: 0	P	
6-10-21	M		10: 2	10: 3	P	

Franklin Cleaners GWE and TS Site
Site No. 130050
Emergency Lighting and Exit Sign Test Log

Date: 7-7-21
Serial Number:
Initials: MB

Test Date	Annual or Monthly (A or M)	Unit Number	Start Time	Stop Time	Pass/Fail	Explanation for failure and planned corrective action
7-7-21	M		17:30	17:31	P	
7-7-21	M		17:33	17:33	P	
7-7-21	M		17:37	17:38	P	

Franklin Cleaners GWE and TS Site
Site No. 130050
Emergency Lighting and Exit Sign Test Log

Date: 8-6-21
Serial Number:
Initials: MB

Test Date	Annual or Monthly (A or M)	Unit Number	Start Time	Stop Time	Pass/Fail	Explanation for failure and planned corrective action
8-6-21	M		17:05	17:05	P	
8-6-21	M		17:07	17:08	P	
8-6-21	M		17:08	17:08	P	

Franklin Cleaners GWE and TS Site
Site No. 130050
Emergency Lighting and Exit Sign Test Log

Date: 9-22-21
Serial Number:
Initials: MB

Test Date	Annual or Monthly (A or M)	Unit Number	Start Time	Stop Time	Pass/Fail	Explanation for failure and planned corrective action
9-22-21	M		13:22	13:23	P	
9-22-21	M		13:24	13:24	P	
9-22-21	M		13:25	13:25	P	

Franklin Cleaners GWE and TS Site
Site No. 130050
Emergency Lighting and Exit Sign Test Log

Date: 10-22-21
Serial Number:
Initials: AB

Test Date	Annual or Monthly (A or M)	Unit Number	Start Time	Stop Time	Pass/Fail	Explanation for failure and planned corrective action
10-22-21	M	Above door	1610	1610	P	
10-22-21	M	Above RTC	1611	1612	P	
10-22-21	M	Above VPC1	1613	1613	P	

Franklin Cleaners GWE and TS Site
Site No. 130050
Emergency Lighting and Exit Sign Test Log

Date: 11-17-21
Serial Number:
Initials: AM B

Test Date	Annual or Monthly (A or M)	Unit Number	Start Time	Stop Time	Pass/Fail	Explanation for failure and planned corrective action
11/17/21	M	Above Door	1718	1718	P	
11/17/21	M	Above RMC	1720	1721	P	
11/17/21	M	Above Copier	1722	1722	P	

Franklin Cleaners GWE and TS Site
Site No. 130050
Emergency Lighting and Exit Sign Test Log

Date: 12-15-21
Serial Number:
Initials: MB

Test Date	Annual or Monthly (A or M)	Unit Number	Start Time	Stop Time	Pass/Fail	Explanation for failure and planned corrective action
12/15/21	M	Above Door	1050	1050	P	
12/15/21	M	Above RM C	1052	1053	P	
12/15/21	M	Above PC1	1055	1055	P	

Franklin Cleaners GWE and TS Site
Site No. 130050
Emergency Lighting and Exit Sign Test Log

Date: ~~1-13-22~~ 1/12/22 -Reviewed and revised by KAA on 5/23/22
Serial Number:
Initials: MB

Test Date	Annual or Monthly (A or M)	Unit Number	Start Time	Stop Time	Pass/Fail	Explanation for failure and planned corrective action
1/13/21	M	Above Door	1420	1421	P	
1/13/21	M	Above RHC	1423	1432	P	
1/13/21	M	Above PCI	1425	1423	P	

Franklin Cleaners GWE and TS Site
Site No. 130050
Emergency Lighting and Exit Sign Test Log

Date: 2/3/22
Serial Number:
Initials: MB

Test Date	Annual or Monthly (A or M)	Unit Number	Start Time	Stop Time	Pass/Fail	Explanation for failure and planned corrective action
2/3/22	M	Above Door	12:25	12:26	P	
2/3/22	M	Above RMC	12:27	12:27	P	
2/3/22	M	Above PCL	12:28	12:28	P	

MONTHLY INSPECTION OF FIRE EXTINGUISHER FORMS

Franklin Cleaners GWE and TS Site
Site No. 130050
Monthly Inspection of Fire Extinguisher

Date: 3-25-21
Serial Number:
Initials: MB

	Yes	No	N/A
1. Is the extinguisher located in its designated location?	X		
2.) Is it clear of obstructions to access or visibility?	X		
3.) Are operating instructions on the name plate legible and facing outward?	X		
4.) Is the extinguisher full?	X		
5.) Pressure gauge (or indicator) in the operable range?	X		
6.) Are safety seals and/or tamper indicators in place and functional?	X		
7.) Is the extinguisher in good physical condition?	X		
8.) Has the extinguisher inspection tag been initialed for the current month?	X		

Franklin Cleaners GWE and TS Site
Site No. 130050
Monthly Inspection of Fire Extinguisher

Date: 4/28/21
Serial Number: E5866085
Initials: WTW

	Yes	No	N/A
1. Is the extinguisher located in its designated location?	X		
2.) Is it clear of obstructions to access or visibility?	X		
3.) Are operating instructions on the name plate legible and facing outward?	X		
4.) Is the extinguisher full?	X		
5.) Pressure gauge (or indicator) in the operable range?	X		
6.) Are safety seals and/or tamper indicators in place and functional?	X		
7.) Is the extinguisher in good physical condition?	X		
8.) Has the extinguisher inspection tag been initialed for the current month?	X		

Franklin Cle GWE and TS Site
Site No. 130050
Monthly Inspection of Fire Extinguisher

Date: 5/18/21
Serial Number: FBX66608J
Initials: MTW

	Yes	No	N/A
1. Is the extinguisher located in its designated location?	X		
2.) Is it clear of obstructions to access or visibility?	X		
3.) Are operating instructions on the name plate legible and facing outward?	X		
4.) Is the extinguisher full?	X		
5.) Pressure gauge (or indicator) in the operable range?	✓		
6.) Are safety seals and/or tamper indicators in place and functional?	X		
7.) Is the extinguisher in good physical condition?	X		
8.) Has the extinguisher inspection tag been initialed for the current month?	X		

Franklin Cleaners GWE and TS Site
Site No. 130050
Monthly Inspection of Fire Extinguisher

Date: 6-10-21
Serial Number:
Initials: MB

	Yes	No	N/A
1. Is the extinguisher located in its designated location?	X		
2.) Is it clear of obstructions to access or visibility?	X		
3.) Are operating instructions on the name plate legible and facing outward?	X		
4.) Is the extinguisher full?	X		
5.) Pressure gauge (or indicator) in the operable range?	X		
6.) Are safety seals and/or tamper indicators in place and functional?	X		
7.) Is the extinguisher in good physical condition?	X		
8.) Has the extinguisher inspection tag been initialed for the current month?	X		

Franklin Cleaners GWE and TS Site
Site No. 130050
Monthly Inspection of Fire Extinguisher

Date: 7-7-21
Serial Number:
Initials: MB

	Yes	No	N/A
1. Is the extinguisher located in its designated location?	X		
2.) Is it clear of obstructions to access or visibility?	X		
3.) Are operating instructions on the name plate legible and facing outward?	X		
4.) Is the extinguisher full?	X		
5.) Pressure gauge (or indicator) in the operable range?	X		
6.) Are safety seals and/or tamper indicators in place and functional?	X		
7.) Is the extinguisher in good physical condition?	X		
8.) Has the extinguisher inspection tag been initialed for the current month?	X		

Franklin Cleaners GWE and TS Site
Site No. 130050
Monthly Inspection of Fire Extinguisher

Date: 8-6-21
Serial Number:
Initials: MB

	Yes	No	N/A
1. Is the extinguisher located in its designated location?	X		
2.) Is it clear of obstructions to access or visibility?	X		
3.) Are operating instructions on the name plate legible and facing outward?	X		
4.) Is the extinguisher full?	X		
5.) Pressure gauge (or indicator) in the operable range?	X		
6.) Are safety seals and/or tamper indicators in place and functional?	X		
7.) Is the extinguisher in good physical condition?	X		
8.) Has the extinguisher inspection tag been initialed for the current month?	X		

Franklin Cleaners GWE and TS Site
Site No. 130050
Monthly Inspection of Fire Extinguisher

Date: 9-22-21
Serial Number:
Initials: MB

	Yes	No	N/A
1. Is the extinguisher located in its designated location?	X		
2.) Is it clear of obstructions to access or visibility?	X		
3.) Are operating instructions on the name plate legible and facing outward?	X		
4.) Is the extinguisher full?	X		
5.) Pressure gauge (or indicator) in the operable range?	X		
6.) Are safety seals and/or tamper indicators in place and functional?	X		
7.) Is the extinguisher in good physical condition?	X		
8.) Has the extinguisher inspection tag been initialed for the current month?	X		

Franklin Cleaners GWE and TS Site
Site No. 130050
Monthly Inspection of Fire Extinguisher

Date: 10-22-21
Serial Number:
Initials: MB

	Yes	No	N/A
1. Is the extinguisher located in its designated location?	X		
2.) Is it clear of obstructions to access or visibility?	X		
3.) Are operating instructions on the name plate legible and facing outward?	X		
4.) Is the extinguisher full?	X		
5.) Pressure gauge (or indicator) in the operable range?	X		
6.) Are safety seals and/or tamper indicators in place and functional?	X		
7.) Is the extinguisher in good physical condition?	X		
8.) Has the extinguisher inspection tag been initialed for the current month?	X		

Franklin Cleaners GWE and TS Site
Site No. 130050
Monthly Inspection of Fire Extinguisher

Date: 11/17/21
Serial Number: _____
Initials: MB

	Yes	No	N/A
1. Is the extinguisher located in its designated location?	✓		
2.) Is it clear of obstructions to access or visibility?	✓		
3.) Are operating instructions on the name plate legible and facing outward?	✓		
4.) Is the extinguisher full?	✓		
5.) Pressure gauge (or indicator) in the operable range?	✓		
6.) Are safety seals and/or tamper indicators in place and functional?	✓		
7.) Is the extinguisher in good physical condition?	✓		
8.) Has the extinguisher inspection tag been initialed for the current month?	✓		

Franklin Cleaners GWE and TS Site
Site No. 130050
Monthly Inspection of Fire Extinguisher

Date: 12/15/21
Serial Number:
Initials: MB

	Yes	No	N/A
1. Is the extinguisher located in its designated location?	✓		
2.) Is it clear of obstructions to access or visibility?	✓		
3.) Are operating instructions on the name plate legible and facing outward?	✓		
4.) Is the extinguisher full?	✓		
5.) Pressure gauge (or indicator) in the operable range?	✓		
6.) Are safety seals and/or tamper indicators in place and functional?	✓		
7.) Is the extinguisher in good physical condition?	✓		
8.) Has the extinguisher inspection tag been initialed for the current month?	✓		

Franklin Cleaners GWE and TS Site
Site No. 130050
Monthly Inspection of Fire Extinguisher

1-12-22

Date: ~~1-13-22~~ MB
Serial Number:
Initials: MB

	Yes	No	N/A
1. Is the extinguisher located in its designated location?	✓		
2.) Is it clear of obstructions to access or visibility?	✓		
3.) Are operating instructions on the name plate legible and facing outward?	✓		
4.) Is the extinguisher full?	✓		
5.) Pressure gauge (or indicator) in the operable range?	✓		
6.) Are safety seals and/or tamper indicators in place and functional?	✓		
7.) Is the extinguisher in good physical condition?	✓		
8.) Has the extinguisher inspection tag been initialed for the current month?	✓		

Franklin Cleaners GWE and TS Site
Site No. 130050
Monthly Inspection of Fire Extinguisher

Date: 2/3/22
Serial Number:
Initials: MB

	Yes	No	N/A
1. Is the extinguisher located in its designated location?	✓		
2.) Is it clear of obstructions to access or visibility?	✓		
3.) Are operating instructions on the name plate legible and facing outward?	✓		
4.) Is the extinguisher full?	✓		
5.) Pressure gauge (or indicator) in the operable range?	✓		
6.) Are safety seals and/or tamper indicators in place and functional?	✓		
7.) Is the extinguisher in good physical condition?	✓		
8.) Has the extinguisher inspection tag been initialed for the current month?			

PHOTOGRAPH LOGS

Monthly Inspection Photograph Log

Client:	NYSDEC	***Project Number:***	3616206123
Site Name:	Franklin Cleaners	***Site Location:***	Rockville Centre, New York

Photographer:

Mike Bates

Date:

March 25, 2021

Photograph: 1

Direction:

Not applicable

Description:

New inspection tag on fire extinguisher following annual inspection of fire extinguisher by Coastal Fire Systems.

Photographer:

Mike Bates

Date:

March 25, 2021

Photograph: 2

Direction:

Northwest

Description:

Sticker added to control panel door marking location of fire extinguisher.

Monthly Inspection Photograph Log

Client:	NYSDEC	***Project Number:***	3616206123
Site Name:	Franklin Cleaners	***Site Location:***	Rockville Centre, New York

Photographer:

Mike Bates

Date:

March 25, 2021

Photograph: 3

Direction:

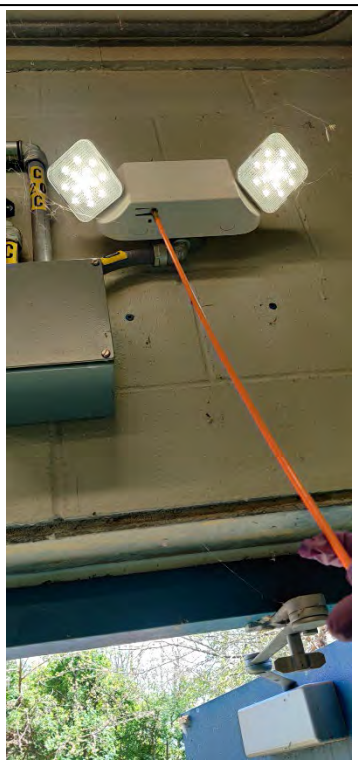
North

Description:

"Fire Extinguisher Inside" Sticker added to door to treatment building.

Monthly Inspection Photograph Log

Client:	NYSDEC	***Project Number:***	3616206123
Site Name:	Franklin Cleaners	***Site Location:***	Rockville Centre, New York

Photographer: William T. Whitacre ***Date:*** April 28, 2021 ***Photograph:*** 1 ***Direction:*** Southeast ***Description:*** Monthly test of emergency lighting in treatment building. Unit above building door.	
Photographer: William T. Whitacre ***Date:*** April 28, 2021 ***Photograph:*** 2 ***Direction:*** Northeast ***Description:*** Monthly test of emergency lighting in treatment building. Unit on building's north wall.	

Monthly Inspection Photograph Log

Client:	NYSDEC	***Project Number:***	3616206123
Site Name:	Franklin Cleaners	***Site Location:***	Rockville Centre, New York

Photographer:
William T. Whitacre

Date:
April 28, 2021

Photograph: 3

Direction:
Southwest

Description:
Monthly test of emergency lighting in treatment building. Unit on building's south partial wall.

Photographer:
William T. Whitacre

Date:
April 28, 2021

Photograph: 4

Direction:
Southwest

Description:
Short section of wires exiting top of comms box were enclosed in conduit to address violation identified in past fire inspection.

Monthly Inspection Photograph Log

Client:	NYSDEC	***Project Number:***	3616206123
Site Name:	Franklin Cleaners	***Site Location:***	Rockville Centre, New York

Photographer:

William T. Whitacre

Date:

April 28, 2021

Photograph: 5

Direction:

Southwest

Description:

Short section of wires exiting top of comms box were enclosed in conduit to address violation identified in past fire inspection.

Monthly Inspection Photograph Log

Client:	NYSDEC	***Project Number:***	3616206123
Site Name:	Franklin Cleaners	***Site Location:***	Rockville Centre, New York

Photographer:
William T. Whitacre

Date:
May 18, 2021

Photograph: 1

Direction:
Southeast

Description:
New exit sign installed and bulb in emergency light replaced (located above treatment building's entry door).

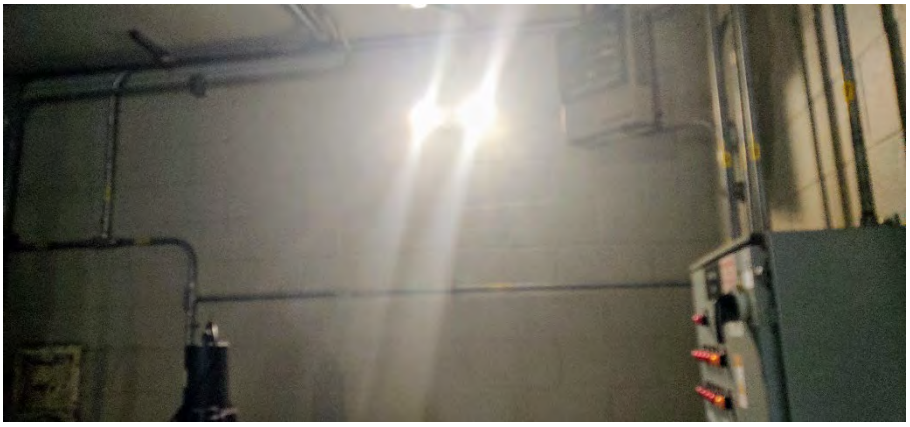
Photographer:
William T. Whitacre

Date:
May 18, 2021

Photograph: 2

Direction:
Northeast

Description:
Emergency lighting test, north wall of treatment building.



Monthly Inspection Photograph Log

Client:	NYSDEC	***Project Number:***	3616206123
Site Name:	Franklin Cleaners	***Site Location:***	Rockville Centre, New York

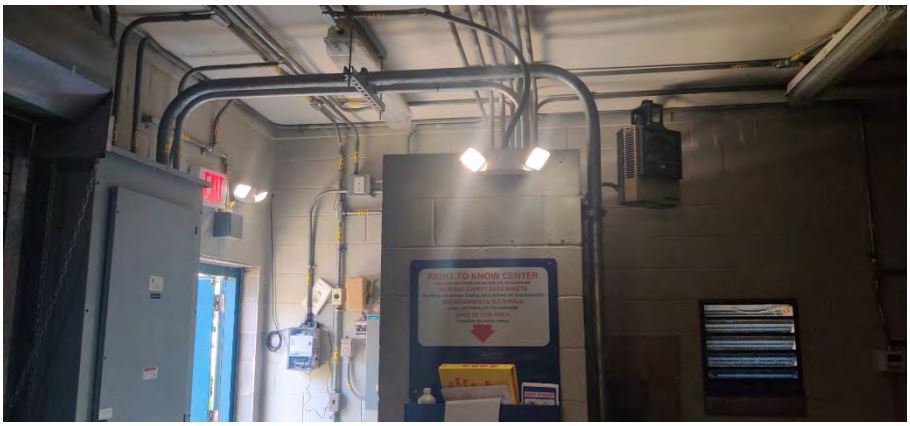
Photographer:
William T. Whitacre

Date:
May 18, 2021

Photograph: 3

Direction:
Southwest

Description:
Emergency lighting test, south partial wall of treatment building.



Photographer:
William T. Whitacre

Date:
May 18, 2021

Photograph: 4

Direction:
Southeast

Description:
Emergency lights at end of annual illumination test.

Monthly Inspection Photograph Log

Client:	NYSDEC	***Project Number:***	3616206123
Site Name:	Franklin Cleaners	***Site Location:***	Rockville Centre, New York

Photographer:

William T. Whitacre

Date:

May 18, 2021

Photograph: 5

Direction:

Not applicable

Description:

Fire extinguisher tag. Monthly inspection completed for May.

Monthly Inspection Photograph Log

Client:	NYSDEC	***Project Number:***	3616206123
Site Name:	Franklin Cleaners	***Site Location:***	Rockville Centre, New York

Photographer:

Mike Bates

Date:

June 10, 2021

Photograph: 1

Direction:

Not applicable

Description:

View of fire extinguisher charge gauge. Monthly inspection completed for June.

Monthly Inspection Photograph Log

Client:	NYSDEC	***Project Number:***	3616206123
Site Name:	Franklin Cleaners	***Site Location:***	Rockville Centre, New York

Photographer:
Mike Bates

Date:
July 7, 2021

Photograph: 1

Direction:
Not applicable

Description:
Fire extinguisher charge gauge.

Photographer:
Mike Bates

Date:
July 7, 2021

Photograph: 2

Direction:
Not applicable

Description:
Fire extinguisher tag. Monthly inspection completed for July.

Monthly Inspection Photograph Log

Client:	NYSDEC	***Project Number:***	3616206123
Site Name:	Franklin Cleaners	***Site Location:***	Rockville Centre, New York

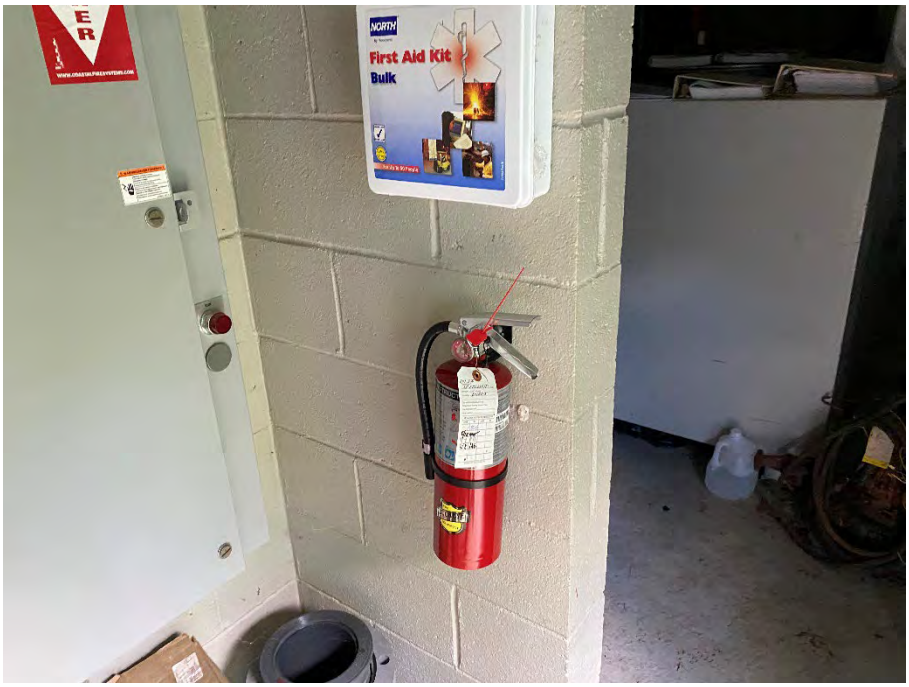
Photographer:
Mike Bates

Date:
August 6, 2021

Photograph: 1

Direction:
North

Description:
General view of fire extinguisher in treatment building.



Photographer:
Mike Bates

Date:
August 6, 2021

Photograph: 2

Direction:
North

Description:
View of fire extinguisher charge gauge. Monthly inspection of fire extinguisher completed for August.

Monthly Inspection Photograph Log

Client:	NYSDEC	***Project Number:***	3616206123
Site Name:	Franklin Cleaners	***Site Location:***	Rockville Centre, New York

Photographer:
Mike Bates

Date:
August 6, 2021

Photograph: 3

Direction:
Southeast

Description:
View of overgrown vegetation along access way to treatment building.

Photographer:
Mike Bates

Date:
August 6, 2021

Photograph: 4

Direction:
Northwest

Description:
View of overgrown vegetation at treatment building property.

Monthly Inspection Photograph Log

Client:	NYSDEC	***Project Number:***	3616206123
Site Name:	Franklin Cleaners	***Site Location:***	Rockville Centre, New York

Photographer:
Mike Bates

Date:
September 22, 2021

Photograph: 1

Direction:
North

Description:
View of fire extinguisher charge gauge.

Photographer:
Mike Bates

Date:
September 22, 2021

Photograph: 2

Direction:
North

Description:
Fire extinguisher tag. Monthly inspection completed for September.

Monthly Inspection Photograph Log

Client:	NYSDEC	***Project Number:***	3616206123
Site Name:	Franklin Cleaners	***Site Location:***	Rockville Centre, New York

Photographer:
Mike Bates

Date:
September 22, 2021

Photograph: 3

Direction:
Southeast

Description:
View of overgrown vegetation along access way to treatment building.

Photographer:
Mike Bates

Date:
September 22, 2021

Photograph: 4

Direction:
Northwest

Description:
View of overgrown vegetation at treatment building property.

Monthly Inspection Photograph Log

Client:	NYSDEC	***Project Number:***	3616206123
Site Name:	Franklin Cleaners	***Site Location:***	Rockville Centre, New York

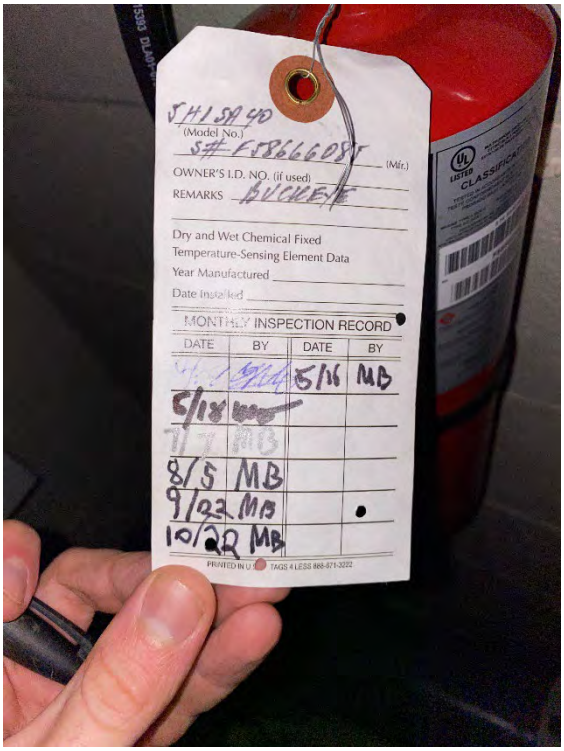
Photographer:
Mike Bates

Date:
October 22, 2021

Photograph: 1

Direction:
Not applicable

Description:
Fire extinguisher tag. Monthly inspection complete for October.



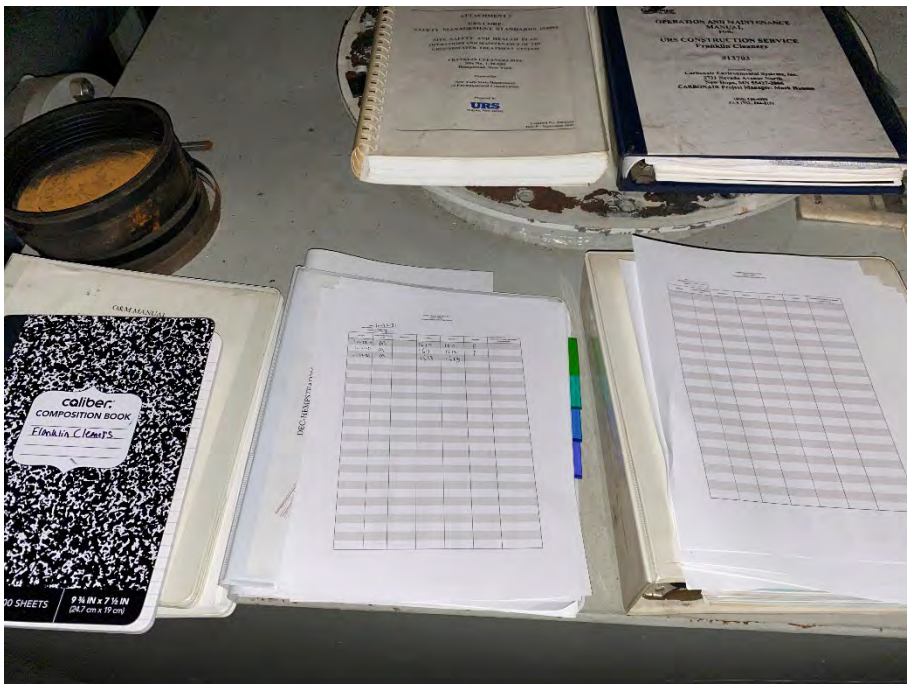
Photographer:
Mike Bates

Date:
October 22, 2021

Photograph: 2

Direction:
North

Description:
Location of forms, field notebook, and other site documentation in treatment building atop former vapor phase carbon vessel housing.



Monthly Inspection Photograph Log

Client:	NYSDEC	***Project Number:***	3616206123
Site Name:	Franklin Cleaners	***Site Location:***	Rockville Centre, New York

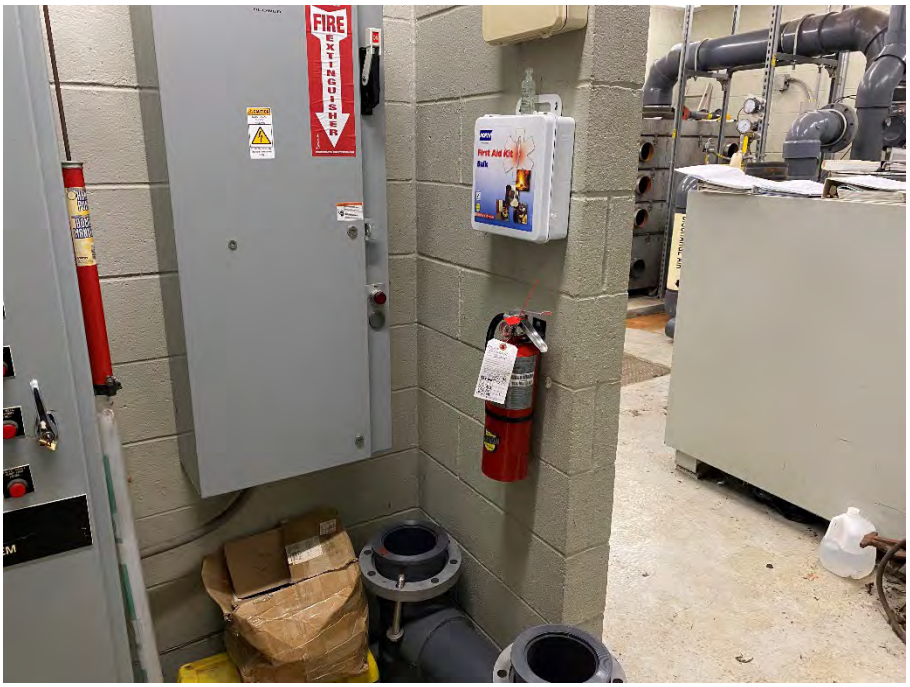
Photographer:
Mike Bates

Date:
November 17, 2021

Photograph: 1

Direction:
Northwest

Description:
General view of fire extinguisher located in treatment building.



Photographer:
Mike Bates

Date:
November 17, 2021

Photograph: 2

Direction:
North

Description:
Fire extinguisher tag. Monthly inspection completed for November.

Monthly Inspection Photograph Log

Client:	NYSDEC	***Project Number:***	3616206123
Site Name:	Franklin Cleaners	***Site Location:***	Rockville Centre, New York

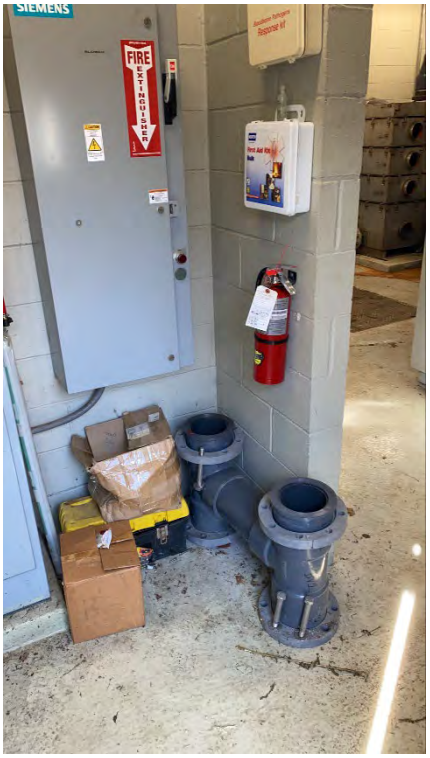
Photographer:
Mike Bates

Date:
December 15, 2021

Photograph: 1

Direction:
Northwest

Description:
General view of fire extinguisher located in treatment building.



Photographer:
Mike Bates

Date:
December 15, 2021

Photograph: 2

Direction:
North

Description:
View of fire extinguisher charge gauge.

Monthly Inspection Photograph Log

Client:	NYSDEC	***Project Number:***	3616206123
Site Name:	Franklin Cleaners	***Site Location:***	Rockville Centre, New York

Photographer:
Mike Bates

Date:
December 15, 2021

Photograph: 3

Direction:
Not applicable

Description:
Fire extinguisher tag. Monthly inspection completed for December.

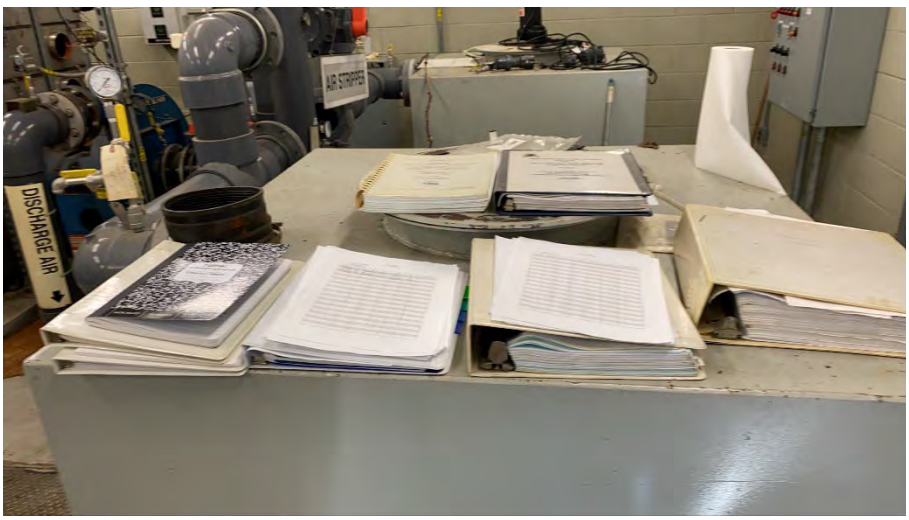
Photographer:
Mike Bates

Date:
December 15, 2021

Photograph: 4

Direction:
Northeast

Description:
Location of forms, field notebook, and other site documentation in treatment building atop former vapor phase carbon vessel housing.



Monthly Inspection Photograph Log

Client:	NYSDEC	***Project Number:***	3616206123
Site Name:	Franklin Cleaners	***Site Location:***	Rockville Centre, New York

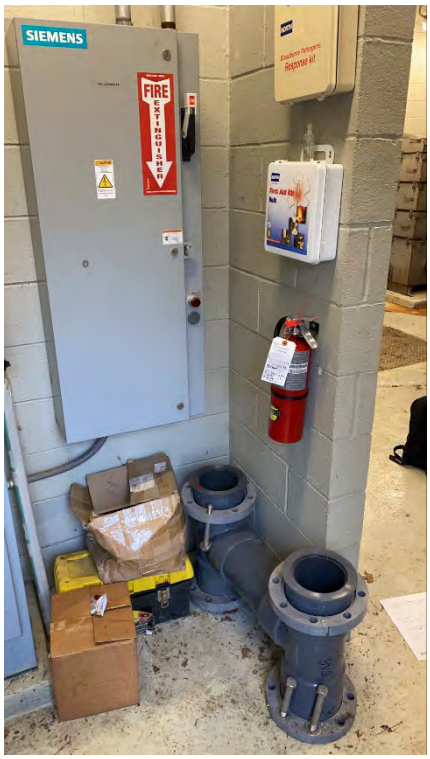
Photographer:
Mike Bates

Date:
January 13, 2022

Photograph: 1

Direction:
Northwest

Description:
General view of fire extinguisher in treatment building.



Photographer:
Mike Bates

Date:
January 13, 2022

Photograph: 2

Direction:
North

Description:
View of fire extinguisher charge gauge.

Monthly Inspection Photograph Log

Client:	NYSDEC	***Project Number:***	3616206123
Site Name:	Franklin Cleaners	***Site Location:***	Rockville Centre, New York

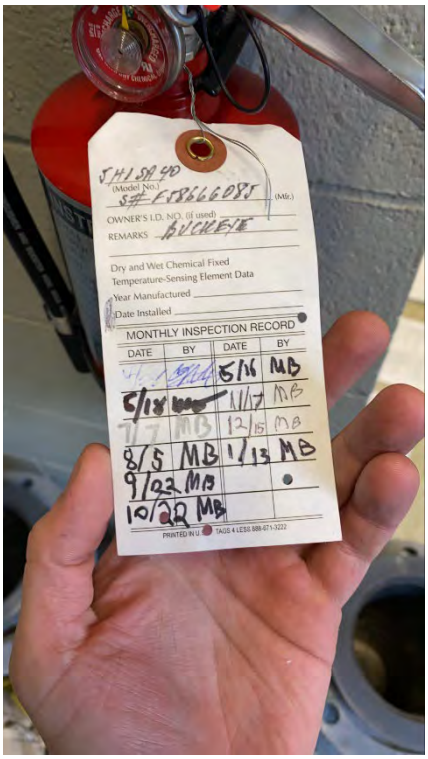
Photographer:
Mike Bates

Date:
January 13, 2022

Photograph: 3

Direction:
Not applicable

Description:
Fire extinguisher tag. Monthly inspection completed for January.



Photographer:
Mike Bates

Date:
January 13, 2022

Photograph: 4

Direction:
Northeast

Description:
Location of forms, field notebook, and other site documentation in treatment building atop former vapor phase carbon vessel housing.

Monthly Inspection Photograph Log

Client:	NYSDEC	***Project Number:***	3616206123
Site Name:	Franklin Cleaners	***Site Location:***	Rockville Centre, New York

Photographer:
Mike Bates

Date:
February 3, 2022

Photograph: 1

Direction:
Northwest

Description:
General view of fire extinguisher in treatment building.

Photographer:
Mike Bates

Date:
February 3, 2022

Photograph: 2

Direction:
North

Description:
View of fire extinguisher charge gauge.

Monthly Inspection Photograph Log

Client:	NYSDEC	***Project Number:***	3616206123
Site Name:	Franklin Cleaners	***Site Location:***	Rockville Centre, New York

Photographer:
Mike Bates

Date:
February 3, 2022

Photograph: 3

Direction:
Not applicable

Description:
Fire extinguisher tag. Monthly inspection completed for February.

Photographer:
Mike Bates

Date:
February 3, 2022

Photograph: 4

Direction:
Northeast

Description:
Location of forms, field notebook, and other site documentation in treatment building atop former vapor phase carbon vessel housing.

Monthly Inspection Photograph Log

Client:	NYSDEC	***Project Number:***	3616206123
Site Name:	Franklin Cleaners	***Site Location:***	Rockville Centre, New York

Photographer:

Mike Bates

Date:

February 3, 2022

Photograph: 5

Direction:

Northwest

Description:

Path shoveled around treatment building following recent snowstorm.

SITE ACTIVITIES LOGS

FRANKLIN CLEANERS SITE, NYSDEC SITE NO. 1-30-050
SITE ACTIVITIES LOG

PERSONNEL ON-SITE	DATE/TIME ON-SITE	TIME OFFSITE	REASON FOR SITE VISIT (CHECK BOX BELOW)			
Mike Bates	3/25/2021			Monitoring		Maintenance
				Sampling	X	Other (Provide Description)
				Alarm Response		

Description:
MACTEC provided oversight of the annual fire extinguisher inspection in the treatment building complete by Coastal Fire Systems. The fire extinguisher was in working order and a new yearly inspection tag was added to the fire extinguisher. Stickers were applied to the outer door of the treatment building and the area above the extinguisher to mark its location in case of emergency. MACTEC also conducted the emergency light inspection. Two of the three emergency lights passed inspection and one did not.

William T. Whitacre	4/28/2021			Monitoring		Maintenance
				Sampling	X	Other (Provide Description)
				Alarm Response		

Description:

Performed monthly inspections of emergency lighting and fire extinguisher in treatment building. Battery is exit sign is exhausted and one bulb has burned out LEDs. Enclosed exposed wires coming out of top of comms box with conduit connector.

William T Whitacre	18 MAY 21 / 0900	1400		Monitoring		Maintenance
				Sampling	X	Other (Provide Description)
				Alarm Response		

Description:
All Emergency Egress Lights remained illuminated for in excess of 2 hours during the replacement of the one over the exit door. This was due to the fact it was discovered that it was necessary to replace one single conductor going to the replacement light because the length of the existing one was insufficient to allow the junction box cover to be closed due to the physical configuration of the new light. This necessitated that the breaker for the emergency egress lights remain turned off while a short length of wire was procured and replaced.

FRANKLIN CLEANERS SITE, NYSDEC SITE NO. 1-30-050
SITE ACTIVITIES LOG

PERSONNEL ON-SITE	DATE/TIME ON-SITE	TIME OFFSITE	REASON FOR SITE VISIT (CHECK BOX BELOW)			
Mike Bates	6/10/2021 / 1030	1115		Monitoring		Maintenance
				Sampling	X	Other (Provide Description)
				Alarm Response		Emergency Exit Light replacement

Description:

Conducted monthly inspection of emergency lights and fire extinguisher.

Mike Bates	7/7/2021 / 0800	1745		Monitoring		Maintenance
Emili Puccio	7/7/2021 / 0800	1745	X	Sampling	X	Other (Provide Description)
				Alarm Response		

Description:

Performed long-term groundwater monitoring sampling event. Conducted monthly inspection of emergency lights and fire extinguisher.

Mike Bates	8/6/2021 / 1450	1720		Monitoring		Maintenance
				Sampling	X	Other (Provide Description)
				Alarm Response		

Description:

Conducted monthly inspection of emergency lights and fire extinguisher. Yard around treatment building has not been maintained.

FRANKLIN CLEANERS SITE, NYSDEC SITE NO. 1-30-050
SITE ACTIVITIES LOG

PERSONNEL ON-SITE	DATE/TIME ON-SITE	TIME OFFSITE	REASON FOR SITE VISIT (CHECK BOX BELOW)			
Mike Bates	9/22/2021 / 1110	1445		Monitoring		Maintenance
				Sampling	X	Other (Provide Description)
				Alarm Response		

Description:

Conducted monthly inspection of emergency lights and fire extinguisher. Yard inside gate has not been maintained. Fire inspector and NYSDEC project manager completed fire inspection of the treatment building earlier in the day.

Mike Bates	10/22/2021 / 1600	1640		Monitoring		Maintenance
				Sampling	X	Other (Provide Description)
				Alarm Response		

Description:

Conducted monthly inspection of emergency lights and fire extinguisher. Yard around treatment building has not been maintained.

Mike Bates	11/17/2021 / 1710	1840		Monitoring		Maintenance
				Sampling	X	Other (Provide Description)
				Alarm Response		

Description:

Conducted monthly inspection of emergency lights and fire extinguisher. Yard around treatment building has not been maintained.

FRANKLIN CLEANERS SITE, NYSDEC SITE NO. 1-30-050
SITE ACTIVITIES LOG

PERSONNEL ON-SITE	DATE/TIME ON-SITE	TIME OFFSITE	REASON FOR SITE VISIT (CHECK BOX BELOW)			
Mike Bates	12/15/2021 / 1030	1130		Monitoring		Maintenance
				Sampling	X	Other (Provide Description)
				Alarm Response		

Description:

Conducted monthly inspection of emergency lights and fire extinguisher. Yard around treatment building has not been maintained.

Mike Bates	1/12/2022 / 1330	1445		Monitoring		Maintenance
				Sampling	X	Other (Provide Description)
				Alarm Response		

Description:

Conducted monthly inspection of emergency lights and fire extinguisher.

Mike Bates	2/3/2022 / 1200	1330		Monitoring		Maintenance
				Sampling	X	Other (Provide Description)
				Alarm Response		

Description:

Conducted monthly inspection of emergency lights and fire extinguisher. Cleared snow from around treatment building and access gates.

JULY 2021 LONG-TERM GROUNDWATER MONITORING FIELD RECORDS

FIELD INSTRUMENTATION CALIBRATION RECORD

PROJECT NAME	Franklin Cleaners	TASK NO	.04
PROJECT NUMBER	3616206123	DATE	7/7/21
PROJECT LOCATION	Hempstead, NY	MACTEC CREW	Emil Curcio, Michael Bates
WEATHER CONDITIONS (AM)	81°F, sunny, wind 7mph SW	SAMPLER NAME	Michael Bates
WEATHER CONDITIONS (PM)	90°F, sunny, wind 14mph SW	SAMPLER SIGNATURE	MB
		CHECKED BY	[signature] DATE 8/11/21

MULTI-PARAMETER WATER QUALITY METER

METER TYPE: YSI
MODEL NO: 556 MPS
UNIT ID NO: M05-07

AM CALIBRATION — Start Time 0900 / End Time 0930

POST CALIBRATION CHECK — Start Time 1700 / End Time 1715

	Units	Standard Value	Meter Value	*Acceptance Criteria (AM)	Standard Value	Meter Value	*Acceptance Criteria (PM)
pH (4)	SU	4.0	4.60	+/- 0.1 pH Units			
pH (7)	SU	7.0	7.00	+/- 0.1 pH Units	7.0	7.23	+/- 0.3 pH Units
pH (10)	SU	10.0	—	+/- 0.1 pH Units			
Redox	+/- mV	240	240.0	+/- 10 mV	240	233	+/- 10 mV
Conductivity	mS/cm	1.413	1.413	+/- 0.5 % of standard	1.413	1.398	+/- 5% of standard
DO (saturated)	%	100	100.2	+/- 2% of standard			
DO (saturated)	mg/L[1] (see Chart 1)	8.09	8.11	+/- 0.2 mg/L	8.09	8.16	+/- 0.5 mg/L of standard
DO (<0.1)	mg/L	<0.1	<0.1	< 0.5 mg/L			
Temperature	°C		26.34			26.34	
Baro. Press.	mmHg		760.2			760.2	

TURBIDITY METER

METER TYPE: Hach
MODEL NO: 2100Q
UNIT ID NO: M024-31

	Units	Standard Value	Meter Value	Standard Value	Meter Value	*Acceptance Criteria (PM)
~~0.1~~ 10 Standard	NTU	~~0.1~~ 10	10.3	~~0.1~~ 10	10.1	+/- 0.3 NTU of stan.
20 Standard	NTU	20	20.5	20	19.7	+/- 5% of standard
100 Standard	NTU	100	105	100	99.6	+/- 5% of standard
800 Standard	NTU	800	796	800	799	+/- 5% of standard

PHOTOIONIZATION DETECTOR

METER TYPE: MiniRae
MODEL NO: 2000
UNIT ID NO: M001-62

	Units	Standard Value	Meter Value	Standard Value	Meter Value	*Acceptance Criteria (PM)
Background	ppmv	<0.1	0.0	<0.1	0.2	within 5 ppmv of BG
Span Gas	ppmv	100	100	100	100	+/- 10% of standard

O_2-LEL 4 GAS METER

METER TYPE:
MODEL NO.
UNIT ID NO.

	Units	Standard Value	Meter Value	Standard Value	Meter Value	*Acceptance Criteria (PM)
Methane	%	50		50		+/- 10% of standard
O_2	%	20.9		20.9		+/- 10% of standard
H_2S	ppmv	25		25		+/- 10% of standard
CO	ppmv	50		50		+/- 10% of standard

OTHER METER

METER TYPE
MODEL NO.
UNIT ID NO.

See Notes Below for Additional Information

[✓] Equipment calibrated within the Acceptance Criteria specified for each of the parameters listed above.

[ ] Equipment (not) calibrated within the Acceptance Criteria specified for each of the parameters listed above**.

MATERIALS RECORD

Deionized Water Source: Portland FOS
Lot#/Date Produced:
Trip Blank Source:
Sample Preservatives Source:
Disposable Filter Type: 0.45µm cellulose
Calibration Fluids / Standard Source:
- DO Calibration Fluid (<0.1 mg/L) Portland FOS
- Other
- Other
- Other

	Cal. Standard Lot Number	Exp. Date
pH (4)	OGJ904	10/22
pH (7)	OGJ268	10/22
pH (10)	—	
ORP	OGJ306	7/21
Conductivity	OGJ968	10/21
~~0.1~~ 10 Turb. Stan.	A1013	Apr 22
20 Turb. Stan.	A1013	Apr 22
100 Turb. Stan.	A1020	May 22
800 Turb. Stan.	A1020	May 22
PID Span Gas	50054	Sep 2021
O_2-LEL Span Gas		
Other		

NOTES:

* = Unless otherwise noted, calibration procedures and acceptance criteria are in general accordance with USEPA Region 1 SOPs for Field Instrument Calibration (EQASOP-FieldCalibrat) and Low Stress Purging and Sampling (EQASOP-GW001), each dated 1/19/2010. Additional acceptance criteria obtained from instrument specific manufacturer recommendations.
** = If meter reading is not within acceptance criteria, clean/replace probe and re-calibrate, or use calibrated back-up meter if available. If project requirements necessitate use of the instrument, clearly document any deviations from acceptance criteria on all data sheets and log book entries.
1 = DO Saturated standard value is calculated based on Oxygen Solubility at Indicated Pressure Chart from the USEPA Region 1 SOP for Field Instrument Calibration (EQASOP-FieldCalibrat), dated 1/19/2010.

MACTEC
511 Congress Street, Portland Maine 04101

FIELD INSTRUMENTATION CALIBRATION RECORD

PROJECT NAME: Franklin Cleaners
PROJECT NUMBER: 3616206123
PROJECT LOCATION: Hempstead, NY
WEATHER CONDITIONS (AM): 81°F, Sunny, wind 7mph SW
WEATHER CONDITIONS (PM): 90°F, Sunny, Wind 14mph SSW

TASK NO: .04 DATE: 7/7/21
MACTEC CREW: Emil Ruccio, Michael Bates
SAMPLER NAME: Emil Ruccio
SAMPLER SIGNATURE: Emil Ruccio
CHECKED BY: RB DATE: 8/11/21

MULTI-PARAMETER WATER QUALITY METER

METER TYPE: YSI
MODEL NO.: 556 MPS
UNIT ID NO.: MO15-13

AM CALIBRATION Start Time 0900 /End Time 0930

POST CALIBRATION CHECK Start Time 1700 /End Time 1715

	Units	Standard Value	Meter Value	*Acceptance Criteria (AM)	Standard Value	Meter Value	*Acceptance Criteria (PM)
pH (4)	SU	4.0	4.00	+/- 0.1 pH Units			
pH (7)	SU	7.0	7.00	+/- 0.1 pH Units	7.0	7.04	+/- 0.3 pH Units
pH (10)	SU	10.0	—	+/- 0.1 pH Units			
Redox	+/- mV	240	240.0	+/- 10 mV	240	241.6	+/- 10 mV
Conductivity	mS/cm	1.413	1.413	+/- 0.5 % of standard	1.413	1.413	+/- 5% of standard
DO (saturated)	%	100	100.1	+/- 2% of standard			
DO (saturated)	mg/L [1 (see Chart 1)]	8.09	8.10	+/- 0.2 mg/L	8.09	8.12	+/- 0.5 mg/L of standard
DO (<0.1)	mg/L	<0.1	<0.1	< 0.5 mg/L			
Temperature	°C		26.34			26.34	
Baro. Press.	mmHg		760.2			760.2	

TURBIDITY METER

METER TYPE: Hach
MODEL NO.: 2100Q
UNIT ID NO.: MO24-27

	Units	Standard Value	Meter Value	Standard Value	Meter Value	*Acceptance Criteria (PM)
10 ~~<0.1~~ Standard	NTU	10 ~~<0.1~~	10.1	10 ~~<0.1~~	10.2	5% +/- ~~0.1~~ NTU of stan.
20 Standard	NTU	20	20.5	20	19.5	+/- 5% of standard
100 Standard	NTU	100	105	100	103	+/- 5% of standard
800 Standard	NTU	800	800	800	806	+/- 5% of standard

PHOTOIONIZATION DETECTOR

METER TYPE: ~~RAE~~ Mini Rae 2000
MODEL NO.: 2000
UNIT ID NO.: MO01-62

	Units	Standard Value	Meter Value	Standard Value	Meter Value	*Acceptance Criteria (PM)
Background	ppmv	<0.1	0.0	<0.1	0.0	within 5 ppmv of BG
Span Gas	ppmv	100	100	100	100	+/- 10% of standard

O_2-LEL 4 GAS METER

METER TYPE: _____
MODEL NO.: _____
UNIT ID NO.: _____

	Units	Standard Value	Meter Value	Standard Value	Meter Value	*Acceptance Criteria (PM)
Methane	%	50		50		+/- 10% of standard
O_2	%	20.9		20.9		+/- 10% of standard
H_2S	ppmv	25		25		+/- 10% of standard
CO	ppmv	50		50		+/- 10% of standard

OTHER METER

METER TYPE: _____
MODEL NO.: _____
UNIT ID NO.: _____

See Notes Below for Additional Information

☑ Equipment calibrated within the Acceptance Criteria specified for each of the parameters listed above.
☐ Equipment (not) calibrated within the Acceptance Criteria specified for each of the parameters listed above**.

MATERIALS RECORD

Deionized Water Source: Portland FOS
Lot#/Date Produced: _____
Trip Blank Source: _____
Sample Preservatives Source: _____
Disposable Filter Type: 0.45µm cellulose
Calibration Fluids / Standard Source:
- DO Calibration Fluid (<0.1 mg/L): Portland FOS
- Other: _____
- Other: _____
- Other: _____

	Cal. Standard Lot Number	Exp. Date
pH (4)	OGJ904	10/22
pH (7)	OGJ268	10/22
pH (10)	—	
ORP	OGJ306	7/21
Conductivity	OGJ968	10/21
10 ~~0.1~~ Turb. Stan.	A1013	Apr 22
20 Turb. Stan.	A1013	Apr 22
100 Turb. Stan.	A1020	May 22
800 Turb. Stan.	A1020	May 22
PID Span Gas	50054	Sep 2021
O_2-LEL Span Gas		
Other		

NOTES:

* = Unless otherwise noted, calibration procedures and acceptance criteria are in general accordance with USEPA Region 1 SOPs for Field Instrument Calibration (EQASOP-FieldCalibrat) and Low Stress Purging and Sampling (EQASOP-GW001), each dated 1/19/2010. Additional acceptance criteria obtained from instrument specific manufacturer recommendations.
** = If meter reading is not within acceptance criteria, clean/replace probe and re-calibrate, or use calibrated back-up meter if available. If project requirements necessitate use of the instrument, clearly document any deviations from acceptance criteria on all data sheets and log book entries.
1 = DO Saturated standard value is calculated based on Oxygen Solubility at Indicated Pressure Chart from the USEPA Region 1 SOP for Field Instrument Calibration (EQASOP-FieldCalibrat), dated 1/19/2010.

MACTEC
511 Congress Street, Portland Maine 04101

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	Franklin Cleaners	LOCATION ID	ASMW-1
PROJECT NUMBER	3616206123.00	DATE	7/7/21
SAMPLE ID	ASMW-1	START TIME	1345
SAMPLE TIME	1450	END TIME	1515
SITE NAME/NUMBER	Franklin Cleaners	PAGE	1 OF 1

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

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

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

WELL INTEGRITY

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

INITIAL DTW (BMP)	21.63 FT	FINAL DTW (BMP)	21.73 FT	PROT. CASING STICKUP (AGS)	NA FT	TOC/TOR DIFFERENCE	NM FT
WELL DEPTH (BMP)	~~91.77~~ 90.00 FT	SCREEN LENGTH	10 FT	PID AMBIENT AIR	0.0 PPM	REFILL TIMER SETTING	— SEC
WATER COLUMN	68.37 FT	DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041)	.0164 GAL	PID WELL MOUTH	0.3 PPM	DISCHARGE TIMER SETTING	— SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	11.25 GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	1.95 GAL	DRAWDOWN/ TOTAL PURGED	0.0084	PRESSURE TO PUMP	— PSI

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

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
	BEGIN PURGING									
1415	21.73	250	15.63	0.383	5.84	3.86	13.3	240.7	85	
1420	21.74	|	15.63	0.382	5.84	3.40	9.64	231.9	|	
1425	21.73	|	15.54	0.382	5.84	3.30	9.04	231.0	|	
1430	21.73	|	15.48	0.381	5.85	3.28	9.65	225.6	|	
1435	21.73	|	15.46	0.382	6.41	3.25	11.4	220.5	|	
1440	21.73	|	15.48	0.381	6.51	3.25	11.5	217.4	|	
1445	21.73	|	15.42	0.381	6.66	3.26	11.3	212.5	|	
			15	0.381	6.7	3.3	11.3	210		
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])								~~210~~		
1445			~~15.42~~	~~0.381~~	~~6.66~~	~~3.26~~	11.3	~~212.5~~		

TEMP: nearest degree (ex. 10.1 = 10)
COND: 3 SF max (ex. 3331 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED
☑ PERISTALTIC	☐ LIQUINOX	☑ SILICON TUBING	☐ S. STEEL PUMP MATERIAL	☑ WL METER —
☐ SUBMERSIBLE	☐ DEIONIZED WATER	☐ TEFLON TUBING	☐ PVC PUMP MATERIAL	☑ PID MiniRae 2000
☐ BLADDER	☐ POTABLE WATER	☐ TEFLON LINED TUBING	☐ GEOPROBE SCREEN	☑ WQ METER YSI 556 MPS
	☐ NITRIC ACID	☑ HDPE TUBING	☐ TEFLON BLADDER	☑ TURB. METER HACH 2100Q
☐ WATTERA	☐ HEXANE	☐ LDPE TUBING	☐ OTHER	☑ PUMP —
☐ OTHER	☐ METHANOL	☐ OTHER	☐ OTHER	☐ OTHER
☐ OTHER	☑ OTHER Alconox	☐ OTHER	☐ OTHER	☐ FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
☒	SVOCs	8270						
☒	Metals	6010B/7470A						
☑	VOCs	8260D	N	HCl	120 mL	✓	✓	DUP-1
☑	PFAS	537	N	ice	500 mL	✓	✓	DUP-1
☒	Water Chemistry	See Notes		~~HCl~~	~~500~~			
☑	1,4-dioxane	8270E SIM	N	ice	500 mL	✓	✓	DUP-1

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES ~~☒~~ NO ☒

NUMBER OF GALLONS GENERATED: ~2

NO-PURGE METHOD UTILIZED: YES ☐ NO ☒

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

SKETCH/NOTES

Water Chemistry = TCL VOCs - USEPA 8260, SVOCs - USEPA 8270, TAL Metals - USEPA 6010, Mercury - USEPA 7470, Total PCBs - USEPA 8082, Pesticides/Herbicides - USEPA 8081, Total suspended solids - SM2540D, Total dissolved solids - USEPA 160.1, Bacterial oxygen demand - SM5210B, free chlorine - SM4500-Cl, salinity - ASTM D2977, oil and grease - USEPA 1664A, Total organic content - USEPA 415.1, pH - USEPA 9040, Total Cyanide 9012A

Duplicate DUP-1 taken here

NM = Not measured

Sampler Signature: [signature] Print Name: Michael Bates

Checked By: [signature] 8/11/21 Date: 7/7/21

MACTEC

311 Congress Street, Portland Maine 04101

FIGURE 4.17
LOW FLOW GROUNDWATER SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	Franklin Cleaners	LOCATION ID	ASMW-2
PROJECT NUMBER	3616206123.00	START TIME	1600
SAMPLE ID	ASMW-2	SAMPLE TIME	1645
SITE NAME/NUMBER	Franklin Cleaners	DATE	7/7/21
		END TIME	1645
		PAGE	1 OF 1

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

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

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

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

INITIAL DTW (BMP)	20.07 FT	FINAL DTW (BMP)	20.16 FT	PROT. CASING STICKUP (AGS)	NA FT	TOC/TOR DIFFERENCE	NM FT
WELL DEPTH (BMP)	90.00 FT	SCREEN LENGTH	10 FT	PID AMBIENT AIR	0.1 PPM	REFILL TIMER SETTING	— SEC
WATER COLUMN	69.93 FT	DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041)	-.01976 GAL	PID WELL MOUTH	0.3 PPM	DISCHARGE TIMER SETTING	— SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	11.47 GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	2.34 GAL	DRAWDOWN/ TOTAL PURGED	-0.0063	PRESSURE TO PUMP	— PSI

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

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
	BEGIN PURGING									
1610	20.14	300	16.88	0.331	7.00	3.25	3.53	221.9	85	
1615	20.15	"	16.66	0.345	7.51	1.85	1.37	208.2	"	
1620	20.15	"	16.54	0.364	7.60	1.71	1.12	196.3	"	
1625	20.15	"	16.48	0.377	7.73	1.65	1.21	188.1	"	
1630	20.16	"	16.60	0.384	7.69	1.74	1.61	178.0	"	
1635	20.16	"	16.44	0.390	7.78	1.81	1.52	172.0	"	
1640	20.16	"	16.61	0.389	7.79	1.92	2.13	166.5	"	
			17	0.389	7.8	1.9	2.1	170		

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

1640	16.61	0.389	7.79	1.92	2.13	166.5

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

EQUIPMENT DOCUMENTATION

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

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

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

EQUIPMENT USED: ☑ WL METER — ☑ PID Mini Rae 2000 ☑ WQ METER YSI 556 MPS ☑ TURB. METER LaMotte 2100Q ☑ PUMP ☐ OTHER ☑ FILTERS NO ___ TYPE ___

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
☑	SVOCs	8270						
☑	Metals	6010B/7470A						
☑	VOCs	8260D	N	HCl	1 ↔ 120mL			
☑	PFAS	537	N	ice	1 ↔ 500mL			
☑	Water Chemistry	See Notes						
☑	1,4-dioxane	8270ESIM	N	ice	1 ↔ 500mL			

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: ☐ YES ☑ NO

NO-PURGE METHOD UTILIZED: ☐ YES ☐ NO

NUMBER OF GALLONS GENERATED: ~2.5

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

SKETCH/NOTES

Water Chemistry = TCL VOCs - USEPA 8260, SVOCs - USEPA 8270, TAL Metals - USEPA 6010, Mercury - USEPA 7470, Total PCBs - USEPA 8082, Pesticides/Herbicides - USEPA 8081, Total suspended solids - SM2540D, Total dissolved solids - USEPA 160.1, Bacterial oxygen demand - SM5210B, free chlorine - SM4500-Cl, salinity - ASTM D2187, oil and grease - USEPA 1664A, Total organic content - USEPA 415.1, pH - USEPA 9040, Total Cyanide 9012A

NM = Not Measured

Sampler Signature: Michael C. Bakes Print Name: Michael Bakes

Checked By: J Ranliff 8/11/21 Date: 7/7/21

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FIGURE 4.17
LOW FLOW GROUNDWATER SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME: Franklin Cleaners	LOCATION ID: ASMW-3
PROJECT NUMBER: 36162061230.00	DATE: 07/07/2021
SAMPLE ID: ASMW-3	SAMPLE TIME: 1630
	START TIME: 1601
	END TIME: 1625
	SITE NAME/NUMBER: Franklin Cleaners
	PAGE: 1 OF 1

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

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

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

WELL INTEGRITY

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

INITIAL DTW (BMP)	20.56 FT	FINAL DTW (BMP)	20.54 FT	PROT. CASING STICKUP (AGS)	NM FT	TOC/TOR DIFFERENCE	NM FT
WELL DEPTH (BMP)	90 FT	SCREEN LENGTH	10 FT	PID AMBIENT AIR	0 PPM	REFILL TIMER SETTING	— SEC
WATER COLUMN	69.44 FT	DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041)	-0.003 GAL	PID WELL MOUTH	0 PPM	DISCHARGE TIMER SETTING	— SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	11.39 GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	0.65 GAL	DRAWDOWN/ TOTAL PURGED	-0.0046	PRESSURE TO PUMP	— PSI

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

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1601	BEGIN PURGING									
1605	20.56	100	15.71	0.288	5.57	9.76	1.60	164.9	85	
1610	20.53	100	15.48	0.293	5.57	9.90	0.40	162.1	85	
1615	20.54	100	15.37	0.311	5.60	10.49	0.60	161.8	85	
1620	20.54	100	15.38	0.316	5.63	10.69	1.22	161.8	85	
1625	20.54	100	15.25	0.317	5.63	10.79	0.54	162.7	85	
			15	0.317	5.6	10.8	0.5	160		

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

1625	15.25	0.317	5.63	10.79	0.54	162.7

TEMP: nearest degree (ex. 10.1 = 10)
COND: 3 SF max (ex. 3333 = 3330, 0.698 = 0.699)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 101 = 100)

EQUIPMENT DOCUMENTATION

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

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

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

EQUIPMENT USED: ✓ WL METER —; ✓ PID MiniRae 2000; ✓ WQ METER YSI 556 MPS; ✓ TURB. METER HACH 2100Q; ✓ PUMP —; ☐ OTHER; ☐ FILTERS NO ___ TYPE ___

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
☐	SVOCs	8270						
☐	Metals	6010B/7470A						
✓	VOCs	82600	N	HCl	120mL	✓	—	
✓	PFAS	537	N	ice	500mL	✓	—	
☐	Water Chemistry	See Notes						
✓	1,4-dioxane	8270ESIM	N	ice	500mL	✓	—	
☐								

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES ☐ NO ☒

NO-PURGE METHOD UTILIZED: YES ☐ NO ☒

NUMBER OF GALLONS GENERATED: ~1/2

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

SKETCH/NOTES

Water Chemistry = TCL VOCs - USEPA 8240; SVOCs - USEPA 8270; TAL Metals - USEPA 6010; Mercury - USEPA 7470; Total PCBs - USEPA 8082; Pesticides/Herbicides - USEPA 8081; Total suspended solids - SM2540D; Total dissolved solids - USEPA 160.1; Biochemical oxygen demand - SM5210B; free chlorine - SM4500-Cl; salinity - ASTM D2937; oil and grease - USEPA 1664A; Total organic content - USEPA 415.1; pH - USEPA 9040; Total Cyanide 9012A

NM = Not Measured

Sampler Signature: Emily Puccio Print Name: Emily Puccio

Checked By: JRW 8/11/21 Date: 07/07/2021

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FIGURE 4.17
LOW FLOW GROUNDWATER SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME: Franklin Cleaners		LOCATION ID: ASMW-4	DATE: 07/07/2021
PROJECT NUMBER: 3616206123		START TIME: 1358	END TIME: 1320
SAMPLE ID: ASMW-4	SAMPLE TIME: 1425	SITE NAME/NUMBER: 130050	PAGE: 1 OF 1

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

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

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

WELL INTEGRITY

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

INITIAL DTW (BMP)	20.49 FT	FINAL DTW (BMP)	20.54 FT	PROT. CASING STICKUP (AGS)	—NM FT	TOC/TOR DIFFERENCE	—NM FT
WELL DEPTH (BMP)	110 FT	SCREEN LENGTH	10 FT	PID AMBIENT AIR	0.0 PPM	REFILL TIMER SETTING	— SEC
WATER COLUMN	89.51 FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041)	0.0082 GAL	PID WELL MOUTH	0.0 PPM	DISCHARGE TIMER SETTING	— SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	14.68 GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	0.65 GAL	DRAWDOWN/ TOTAL PURGED	0.126	PRESSURE TO PUMP	— PSI

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

TIME 3-5 Minutes	DTW (ft.) (0.3 ft.)	PURGE RATE (mL/min) (100-400 mL/min)	TEMP. (°C) (3%)	SP. CONDUCTANCE (mS/cm) (3%)	pH (units) (+/- 0.1 unit)	DISS. O_2 (mg/L) (10% if >0.5 mg/L)	TURBIDITY (NTU) (10% if >5 NTU)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft.)	COMMENTS
1358	BEGIN PURGING									
1400	20.49	100	17.61	0.689	5.45	8.57	14.6	197.3	105	
1405	20.54	100	17.01	0.690	5.42	7.01	18.8	196.4	105	
1410	20.56	100	16.86	0.691	5.41	7.02	28.2	195.8	105	
1415	20.55	100	16.78	0.692	5.35	7.29	39.2	195.9	105	
1420	20.54	100	16.77	0.693	5.33	7.39	35.6	195.8	105	
			17	0.693	5.3	7.4	35.6	200		

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

TIME			TEMP	COND	pH	DO	TURB	ORP
1420			16.77	0.693	5.33	7.39	35.6	195.8

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

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED
☒ PERISTALTIC	☐ LIQUINOX	☒ SILICON TUBING	☐ S. STEEL PUMP MATERIAL	☒ WL METER —
☐ SUBMERSIBLE	☒ DEIONIZED WATER	☐ TEFLON TUBING	☐ PVC PUMP MATERIAL	☒ PID MiniRae 2000
☐ BLADDER	☐ POTABLE WATER	☐ TEFLON LINED TUBING	☐ GEOPROBE SCREEN	☒ WQ METER YSI 556 MPS
	☐ NITRIC ACID	☒ HDPE TUBING	☐ TEFLON BLADDER	☒ TURB METER HACH 2100Q
☐ WATTERA	☐ HEXANE	☐ LDPE TUBING	☐ OTHER	☒ PUMP —
☐ OTHER	☐ METHANOL	☐ OTHER	☐ OTHER	☐ OTHER
☐ OTHER	☒ OTHER Alconox	☐ OTHER	☐ OTHER	☐ FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
☑	VOCs	8260	N	HCL 4°C	120 mL	✓		
☑	1,4-Dioxane	8270 SIM	N	4°C	500 mL	✓		
☑	PFAS	537	N	4°C	500 mL	✓		

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES ☐ NO ☒

NUMBER OF GALLONS GENERATED: ~1/2

NO-PURGE METHOD UTILIZED: YES ☐ NO ☒

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

SKETCH/NOTES

NM = Not Measured

Sampler Signature: Emili Puccio Print Name: Emili Puccio

Checked By: J Rawliffe 8/11/21 Date:

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FIGURE 4.17
LOW FLOW GROUNDWATER SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME: Franklin Cleaners		LOCATION ID: ASMW-5	DATE: 07/07/2021
PROJECT NUMBER: 361620623		START TIME: 1255	END TIME: 1320
SAMPLE ID: ASMW-5	SAMPLE TIME: 1325	SITE NAME/NUMBER: 130050	PAGE: 1 OF 1

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

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

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

WELL INTEGRITY

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

INITIAL DTW (BMP)	21.50 FT	FINAL DTW (BMP)	21.55 FT	PROT. CASING STICKUP (AGS)	-NM FT	TOC/TOR DIFFERENCE	-NM FT
WELL DEPTH (BMP)	133 FT	SCREEN LENGTH	10 FT	PID AMBIENT AIR	0.0 PPM	REFILL TIMER SETTING	SEC
WATER COLUMN	111.5 FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041)	0.0082 GAL	PID WELL MOUTH	0.0 PPM	DISCHARGE TIMER SETTING	SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	18.29 GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	0.65 GAL	DRAWDOWN/ TOTAL PURGED	0.126	PRESSURE TO PUMP	PSI

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

TIME (3-5 Minutes)	DTW (ft.) (0.3 ft.)	PURGE RATE (mL/min) (100-400 mL/min)	TEMP. (°C) (3%)	SP. CONDUCTANCE (mS/cm) (3%)	pH (units) (+/- 0.1 unit)	DISS. O_2 (mg/L) (10% if >0.5 mg/L)	TURBIDITY (NTU) (10% if >5 NTU)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft.)	COMMENTS
1255	BEGIN PURGING									
1300	21.55	100	18.56	0.352	4.90	6.11	12.5	179.9	128	
1305	21.54	100	18.41	0.351	4.94	3.05	4.72	169.2	128	
1310	21.56	100	18.10	0.353	4.95	3.67	4.08	164.5	128	
1315	21.56	100	18.14	0.353	4.95	3.07	3.09	161.6	128	
1320	21.55	100	18.07	0.353	4.95	2.46	4.32	159.4	128	
			18	0.353	5.0	2.5	4.3	160		

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

1320	~~18.07~~	~~0.353~~	~~4.95~~	~~2.46~~	~~4.32~~	~~159.4~~	

TEMP nearest degree (ex. 10.1 = 10)
COND 3 SF max (ex. 3333 = 3330; 0.698 = 0.690)
pH nearest tenth (ex. 5.53 = 5.5)
DO nearest tenth (ex. 3.51 = 3.5)
TURB 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

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

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

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

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

EQUIPMENT USED: ☒ WL METER ☒ PID MiniRae 2000 ☒ WQ METER YSI 556 MPS ☒ TURB. METER HACH 2100Q ☐ PUMP ☐ OTHER ☐ FILTERS NO. ___ TYPE ___

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
✓	VOCs	8260		HCl, 4°C	120mL	✓		
✓	1,4-Dioxane	8270 SIM		4°C	500mL	✓		
✓	PFAS	537		4°C	500mL	✓		

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: ☐ YES ☒ NO

NO-PURGE METHOD UTILIZED: ☐ YES ☒ NO

NUMBER OF GALLONS GENERATED: ~1/2

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

SKETCH/NOTES

NM = Not Measured

Sampler Signature: Emili Puccio Print Name: Emili Puccio

Checked By: JHauff 8/11/21 Date: 07/07/2021

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FIGURE 4.17
LOW FLOW GROUNDWATER SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	Franklin Cleaners	LOCATION ID	ASMW-6
PROJECT NUMBER	3616206123.00	DATE	07/07/2021
SAMPLE ID	ASMW-6	START TIME	1121
SAMPLE TIME	1200	END TIME	1145
		SITE NAME/NUMBER	130050
		PAGE	1 OF 1

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

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

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

WELL INTEGRITY

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

INITIAL DTW (BMP)	21.30 FT	FINAL DTW (BMP)	21.41 FT	PROT. CASING STICKUP (AGS)	—NM FT	TOC/TOR DIFFERENCE	—NM FT
WELL DEPTH (BMP)	132 FT	SCREEN LENGTH	10 FT	PID AMBIENT AIR	0.0 PPM	REFILL TIMER SETTING	— SEC
WATER COLUMN	110.7 FT	DRAWDOWN VOLUME (initial DTW- final DTW X well diam. squared X 0.041)	0.018 GAL	PID WELL MOUTH	0.0 PPM	DISCHARGE TIMER SETTING	— SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	18.15 GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	0.65 GAL	DRAWDOWN/ TOTAL PURGED	0.028	PRESSURE TO PUMP	— PSI

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

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1121	BEGIN PURGING									
1125	21.30	100	23.64	0.384	4.57	4.20	26.5	153.8	125	
1130	21.39	100	23.62	0.382	4.53	3.65	33.9	156.6	125	
1135	21.38	100	23.57	0.383	4.54	3.37	23.8	159.0	125	
1140	21.37	100	23.67	0.382	4.53	3.13	24.3	162.3	125	
1145	21.41	100	23.68	0.382	4.51	2.09	26.4	167.5	125	

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

	24	0.382	4.5	2.1	26.4	170

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

EQUIPMENT DOCUMENTATION

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

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

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

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

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

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
☐	SVOCs	8270						
☐	Metals	6010B/7470A						
✓	VOCs	8260D	N	HCl	120mL	✓	✓	ASMW-6-MS/MSD
✓	PFAS	537	N	ice	500mL	✓	✓	ASMW-6-MS/MSD
☐	Water Chemistry	See Notes						
✓	1,4-dioxane	8270ESIM	N	ice	500mL	✓	✓	ASMW-6-MS/MSD

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES ✓ NO ☒
NO-PURGE METHOD UTILIZED: YES ☐ NO ☒
NUMBER OF GALLONS GENERATED: ~1/2
If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location

Sampler Signature: Emili Paccio Print Name: Emili Paccio
Checked By: JRandle 8/11/21 Date: 07/07/2021

SKETCH/NOTES

Water Chemistry = TCL VOCs - USEPA 8260; SVOCs - USEPA 8270; TAL Metals - USEPA 6010; Mercury - USEPA 7470; Total PCBs - USEPA 8082; Pesticides/Herbicides - USEPA 8081; Total suspended solids - SM2540D; Total dissolved solids - USEPA 160.1; Bacterial oxygen demand - SM5210B; free chlorine - SM4500-Cl; salinity - ASTM D2937; oil and grease - USEPA 1664A; Total organic content - USEPA 415.1; pH - USEPA 9040; Total Cyanide 9012A

MS/MSD taken here

NM = Not Measured

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FIGURE 4.17
LOW FLOW GROUNDWATER SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	Franklin Cleaners
PROJECT NUMBER	3616206123.00
SAMPLE ID	ASMW-7
SAMPLE TIME	0935
LOCATION ID	ASMW-7
DATE	07/07/2021
START TIME	0935
END TIME	0935
SITE NAME/NUMBER	
PAGE	1 OF 1

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

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

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

WELL INTEGRITY

	YES	NO	N/A
CAP			
CASING			
LOCKED COLLAR			

INITIAL DTW (BMP)	FT	FINAL DTW (BMP)	FT	PROT. CASING STICKUP (AGS)	FT	TOC/TOR DIFFERENCE	FT
WELL DEPTH (BMP)	~250' FT	SCREEN LENGTH	FT	PID AMBIENT AIR	PPM	REFILL TIMER SETTING	SEC
WATER COLUMN	FT	DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041)	GAL	PID WELL MOUTH	PPM	DISCHARGE TIMER SETTING	SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	GAL	DRAWDOWN/ TOTAL PURGED		PRESSURE TO PUMP	PSI

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

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
	BEGIN PURGING									
0935	—	—	17.54	0.376	5.53	2.01	101	366	—	

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

—	—	—	—	—	—	

TEMP: nearest degree (ex. 10.1 = 10)
COND: 3 SF max (ex. 3333 = 3330, 0.656 = 0.656)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

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

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

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

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

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

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
☐	SVOCs	8270						
☐	Metals	6010B/7470A						
✓	VOCs	8260D	VNL	HCl	120mL	✓		
✓	PFAS	537	VNL	Ice	500mL	✓		
☐	Water Chemistry	See Notes						
✓	1,4-Dioxane	8270E SIM	VNL	ice	500mL	✓		

PURGE OBSERVATIONS

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

SKETCH/NOTES

Water Chemistry: + TCL VOCs, USEPA 8260; SVOCs - USEPA 8270; TAL Metals - USEPA 6010; Mercury - USEPA 7470; Total PCBs - USEPA 8082; Pesticides/Herbicides - USEPA 8081; Total suspended solids - SM2540D; Total dissolved solids - USEPA 160.1; Bacterial oxygen demand - SM5210B; free chlorine - SM4500-Cl; salinity - ASTM D5937; oil and grease - USEPA 1664A; Total organic carbon - USEPA 415.1; pH - USEPA 9040; Total Cyanide 9012A

No notes or explanation of lack of measurements and sampling information.

Access to this well is provided by Molloy College. Molloy College personnel activated the dedicated pump in the well and MACTEC personnel collected a grab sample. Because samples are collected via the dedicated pump, low-flow sampling of this well is not performed (KAA 5/23/22).

Sampler Signature: Emily Puccio Print Name: Emili Puccio

Checked By: [illegible] 8/11/21 Date: 07/07/2021

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FIGURE A-7
LOW FLOW GROUNDWATER SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME: Franklin Cleaners		LOCATION ID: EW-1	DATE: 7/7/21
PROJECT NUMBER: 3616206123.00		START TIME: 1200	END TIME: 1235
SAMPLE ID: EW-1	SAMPLE TIME: 1235	SITE NAME/NUMBER: Franklin Cleaners	PAGE 1 OF 1

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

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

MEASUREMENT POINT (MP) ☐ TOP OF RISER (TOR) ☐ TOP OF CASING (TOC) ☑ OTHER NA Extraction well Discharge

WELL INTEGRITY

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

INITIAL DTW (BMP): — FT	FINAL DTW (BMP): — FT	PROT. CASING STICKUP (AGS): — FT	TOC/TOR DIFFERENCE: — FT
WELL DEPTH (BMP): 83 FT	SCREEN LENGTH: — FT	PID AMBIENT AIR: — PPM	REFILL TIMER SETTING: — SEC
WATER COLUMN: — FT	DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041): — GAL	PID WELL MOUTH: — PPM	DISCHARGE TIMER SETTING: — SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041): — GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL): 6.5 GAL	DRAWDOWN/ TOTAL PURGED: —	PRESSURE TO PUMP: — PSI

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

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
	BEGIN PURGING									
1205	—	1000	19.73	0.319	4.95	3.47	103	257.5	53	
1210	—	|	19.23	0.321	5.75	3.41	97.7	227.8	|	
1215	—	|	19.05	0.321	5.75	2.23	56.2	226.4	|	
1220	—	|	19.12	0.322	5.75	1.77	48.8	227.2	|	
1225	—	|	18.99	0.322	5.70	1.84	53.9	231.7	|	
1230	—		18.96	0.320	5.97	1.87	63.6	231.3	|	
			19	0.320	6.0	1.9	63.6	230		

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

TIME			TEMP.	SP. COND.	pH	DO	TURB.	REDOX
1230			~~18.96~~	~~0.320~~	~~5.97~~	~~1.87~~	~~63.6~~	~~231.3~~

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

EQUIPMENT DOCUMENTATION

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

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

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

EQUIPMENT USED: ☑ WL METER — ☑ PID MiniRae 2000 ☑ WQ METER YSI 556 MPS ☑ TURB. METER HACH 2100Q ☑ PUMP — ☐ OTHER ☐ FILTERS NO. ___ TYPE ___

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
☒	SVOCs	8270						
☒	Metals	6010B/7470A						
☑	VOCs	8260D	N	HCl/ice	120 mL	✓	/	/
☑	PFAS	537	N	ice	500 mL	✓	/	/
☒	Water Chemistry	See Notes					/	/
☑	1,4-Dioxane	8270E SIM	N	ice	500mL	✓	/	/

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES ☐ NO ☑

NO-PURGE METHOD UTILIZED: YES ☐ NO ☑

NUMBER OF GALLONS GENERATED: ~6.5

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

SKETCH/NOTES

Water Chemistry = TCL VOCs - USEPA 8260; SVOCs - USEPA 8270; TAL Metals - USEPA 6010; Mercury - USEPA 7470; Total [illegible] 8082; Pesticides/Herbicides - USEPA 8081; Total suspended solids - SM2540D; Total dissolved solids - USEPA 160.1; Bacterial [illegible] SM5210B; free chlorine - SM4500-Cl; salinity - ASTM D2977; oil and grease - USEPA 1664A; Total organic content - USEPA 415 [illegible] 9040; Total Cyanide 9012A

Sampler Signature: Michael C Bates Print Name: Michael Bates

Checked By: [signature] 8/11/21 Date: 7/7/21

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LOW FLOW GROUNDWATER SAMPLING RECORD

NYSDEC QUALITY ASSURANCE PROJECT PLAN

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	Franklin Cleaners	LOCATION ID	EW-2
PROJECT NUMBER	3616206123.00	DATE	7/7/21
SAMPLE ID	EW-2	START TIME	1240
SAMPLE TIME	1310	END TIME	1315
SITE NAME/NUMBER	Franklin Cleaners	PAGE	1 OF 1

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

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

MEASUREMENT POINT (MP): ☐ TOP OF RISER (TOR) ☐ TOP OF CASING (TOC) ☑ OTHER NA-Extraction Well Discharge

WELL INTEGRITY

	YES	NO	NA
CAP	—	—	✓
CASING	—	—	✓
LOCKED	—	—	✓
COLLAR	—	—	✓

INITIAL DTW (BMP)	— FT	FINAL DTW (BMP)	— FT	PROT. CASING STICKUP (AGS)	— FT	TOC/TOR DIFFERENCE	— FT
WELL DEPTH (BMP)	83 FT	SCREEN LENGTH	— FT	PID AMBIENT AIR	— PPM	REFILL TIMER SETTING	— SEC
WATER COLUMN	— FT	DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041)	— GAL	PID WELL MOUTH	— PPM	DISCHARGE TIMER SETTING	— SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	— GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	5.2 GAL	DRAWDOWN TOTAL PURGED	—	PRESSURE TO PUMP	— PSI

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

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (unit) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
~~1241~~	BEGIN PURGING									
1245	—	~~350~~ 1000	14.63	0.365	6.05	3.20	19.9	231.8	68	
1250	—	|	19.36	0.365	6.04	2.44	1.81	227.1	|	
1255	—	|	19.15	0.365	6.04	2.03	0.89	223.4	|	
1300	—	|	19.23	0.365	6.04	2.05	0.48	221.7	|	
1305	—	↓	19.25	0.365	6.04	2.11	0.48	219.7	↓	

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

TEMP nearest degree (ex. 12.1 = 10)
COND 3 SF max (ex. 3317 = 3310, 0.696 = 0.696)
pH nearest tenth (ex. 5.55 = 5.5)
DO nearest tenth (ex. 3.95 = 3.9)
TURB 3 SF max, nearest tenth (ex. 9.99 = 9.2, 101 = 101)
ORP 2 SF (44.1 = 44, 195 = 190)

1305	19.25	0.365	6.04	2.11	0.48	219.7	

EQUIPMENT DOCUMENTATION

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

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

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

EQUIPMENT USED: ☑ WL METER ☑ PID MiniRae 2000 ☑ WQ METER YSI 556 MPS ☑ TURB METER LaMotte 2020 ☑ PUMP — ☐ OTHER ☐ FILTERS NO ___ TYPE ___

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
☒	SVOCs	8270						
☒	Metals	6010B/7470A						
✓	VOCs	8260D	N	HCl/ice	120mL	✓		
✓	PFAS	537	N	ice	500mL	✓		
☒	Water Chemistry	See Notes						
✓	1,4-Dioxane	8270E SIM	N	ice	500mL	✓		

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: ☐ YES ☑ NO

NO-PURGE METHOD UTILIZED: ☐ YES ☐ NO

NUMBER OF GALLONS GENERATED: ~5

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

SKETCH/NOTES

Water Chemistry = TCL VOCs - USEPA 8260, SVOCs - USEPA 8270, TAL Metals - USEPA 6010, Mercury - USEPA 7470, Total PCBs - USEPA 8082, Pesticides/Herbicides - USEPA 8081, Total suspended solids - SM2540D, Total dissolved solids - USEPA 160.1, Biochemical oxygen demand - SM5210B, dissolved chlorine - SM4500-Cl, salinity - ASTM D2937, oil and grease - USEPA 1664A, Total organic carbon - USEPA 415.1, pH - USEPA 9040, Total Cyanide 9012A

Sampler Signature: Michael C. Bate Print Name: Michael Bate

Checked By: [signature] 8/11/21 Date: 7/7/21

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FIGURE 4.17
LOW FLOW GROUNDWATER SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

FIELD NOTEBOOK SCANS

9/22/21

Sunny 70°

1110 Arrive onsite, have not heard back from Payson Long (Dec) about when he'll be arriving onsite

1256 Call Katie Amann to see if she's recieved any word from Payson, she has not

1313 Conduct Monthly Lights & fire inspection extinguisher & Lights are in working order yard inside the gates has not been maintained

1345 still waiting on paysons Arrival, Niether Myself, Katie Amann of Brad Leforest have heard back from him

1430 Brad has located paysons cell

1435 Payson has informed me over the Phone that he arrived onsite earlier than discussed and conducted fire inspection, things Look good onsite

1445 offsite

10/22

1600: onsite

- fire extinguisher pressure gauge in the green
- Checked all 3 emergency lights for 30 seconds each
- Brought 7 months of Blank Sheets + All previous inspection sheets

1640: offsite

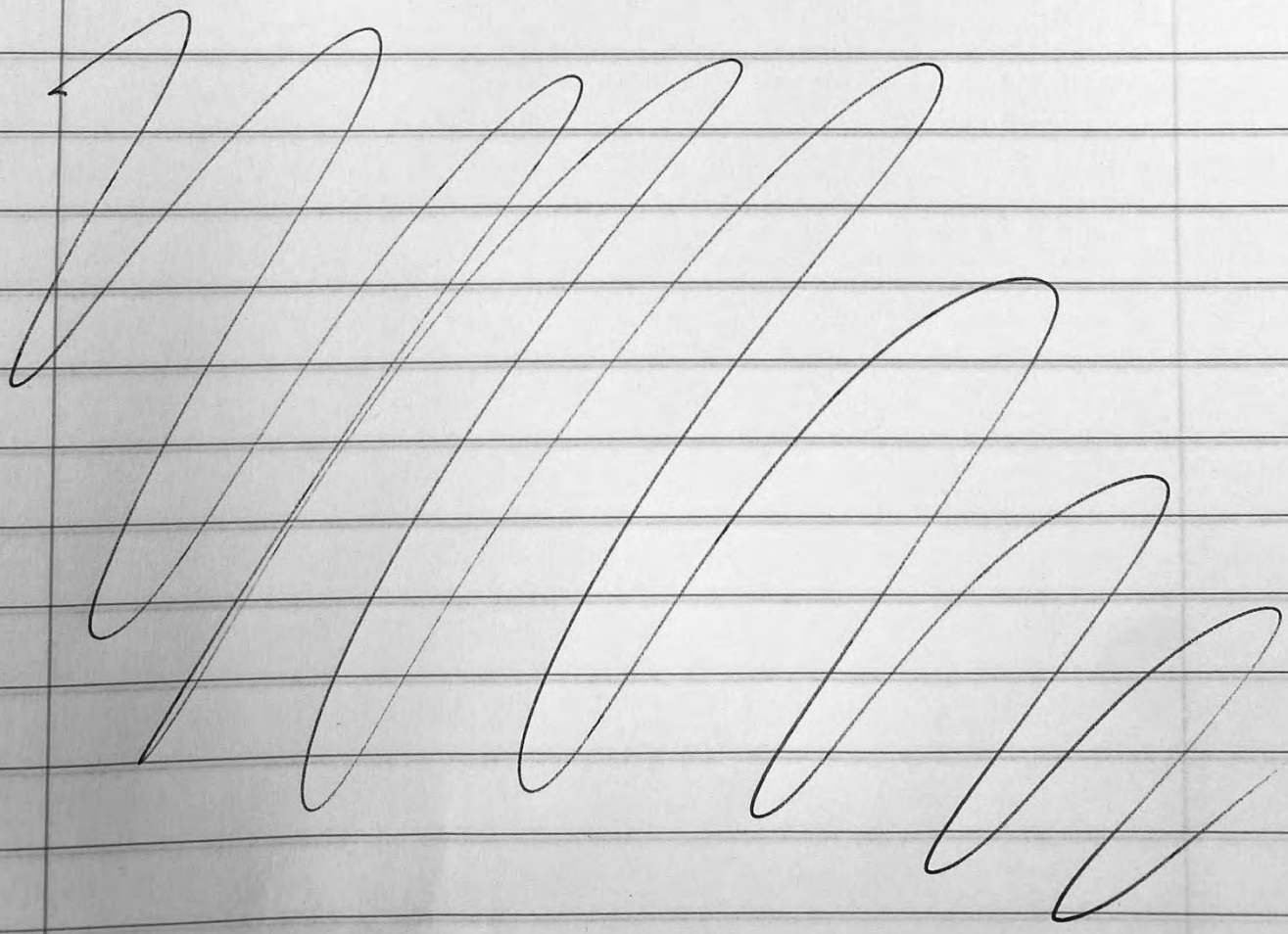
11/17/21

1710: M. Bates (Wood) onsite

Lights inspection: Pass
fire extinguisher inspection: Pass

- Yard around lot has still not been maintained

1840: Offsite



12/15/21

1030 M. Bates (wood) onsite

Monthly emergency lights inspection: pass
Monthly fire extinguisher inspection: pass

Yard in front of building still has not been maintained

1130 M. Bates (wood) offsite

1-12-22

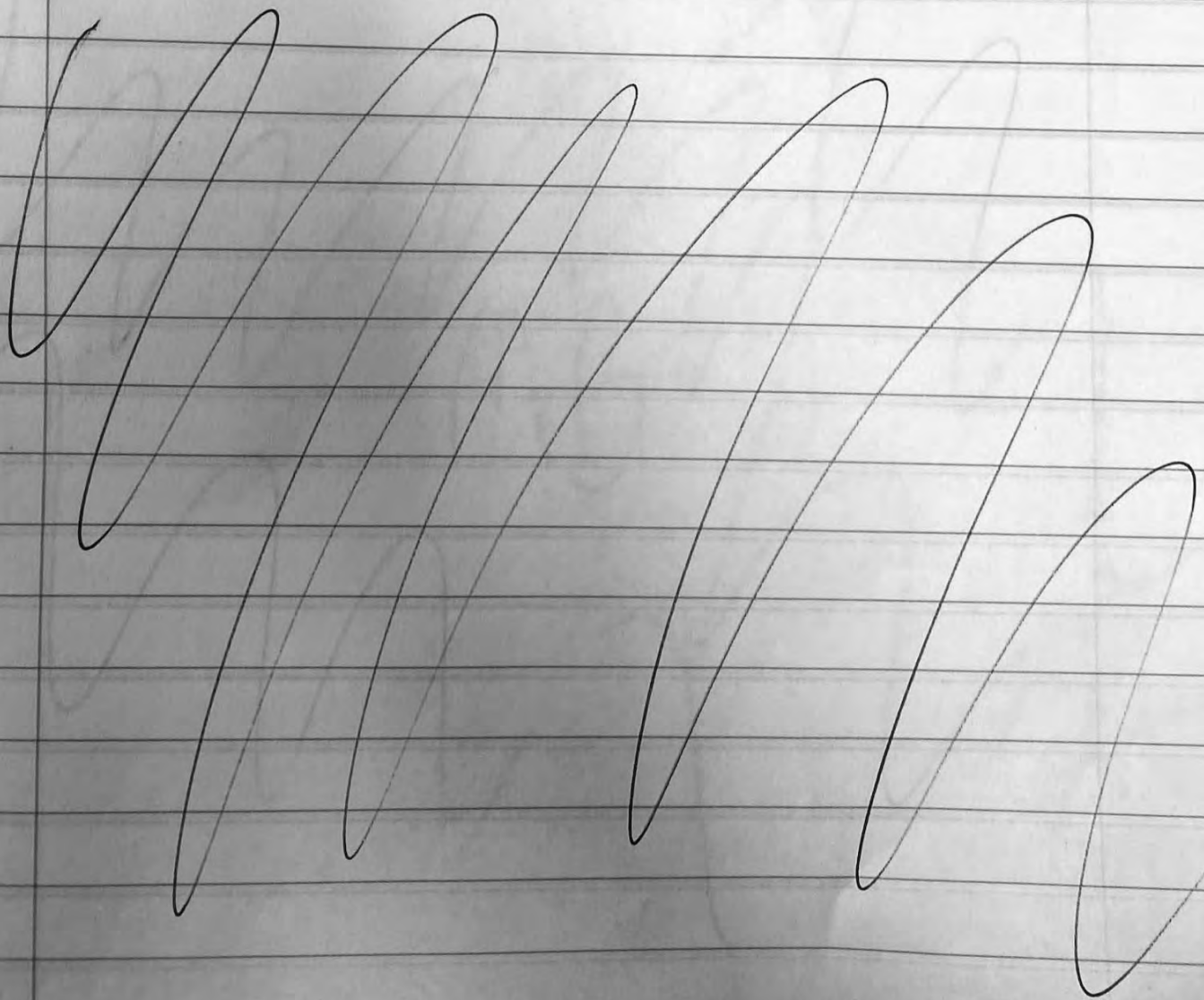
~~1-13-22~~ (MB)

1330 M.Bates (wood onsite)

Monthly emergency lights inspection: pass
Monthly fire extinguisher inspection: pass

Yard infront of building has not been maintained

1445: offsite



2/3/22

1200: Onsite M. Bates (wood)

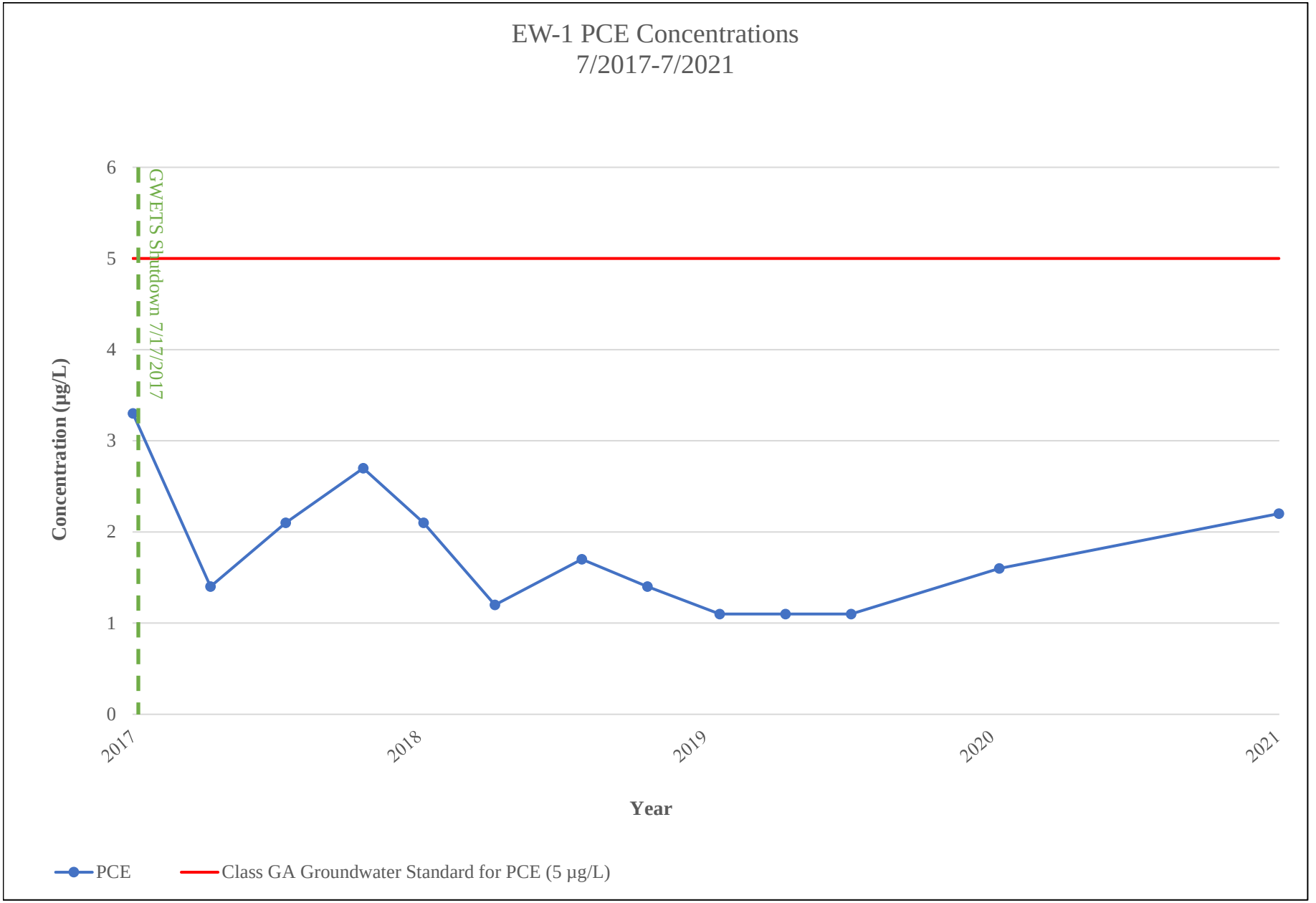
- Clear Snow from around ~~outter~~ outer gates & front door to facility

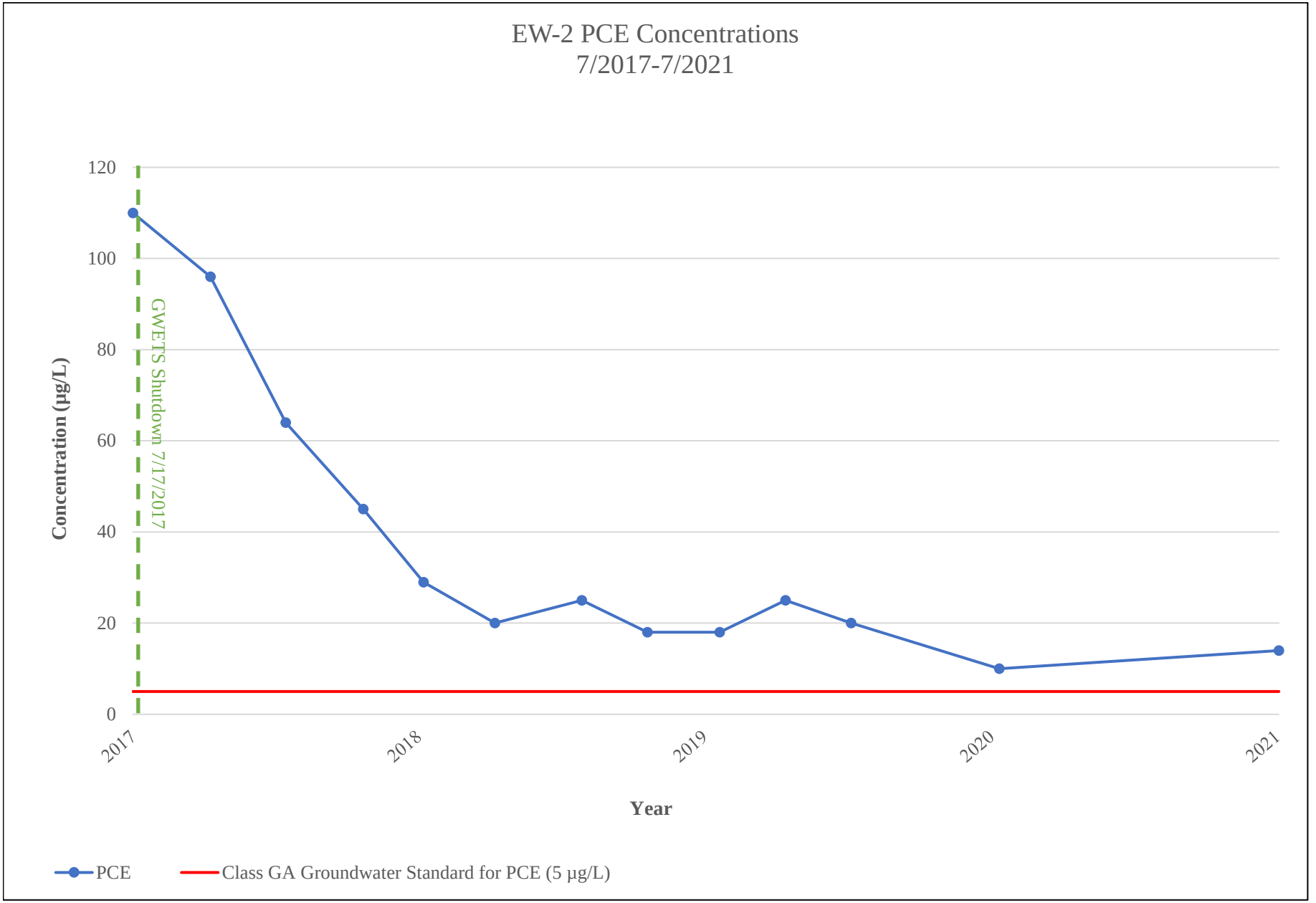
- Monthly emergency Light inspection: Pass
- Monthly fire extinguisher inspection: Pass

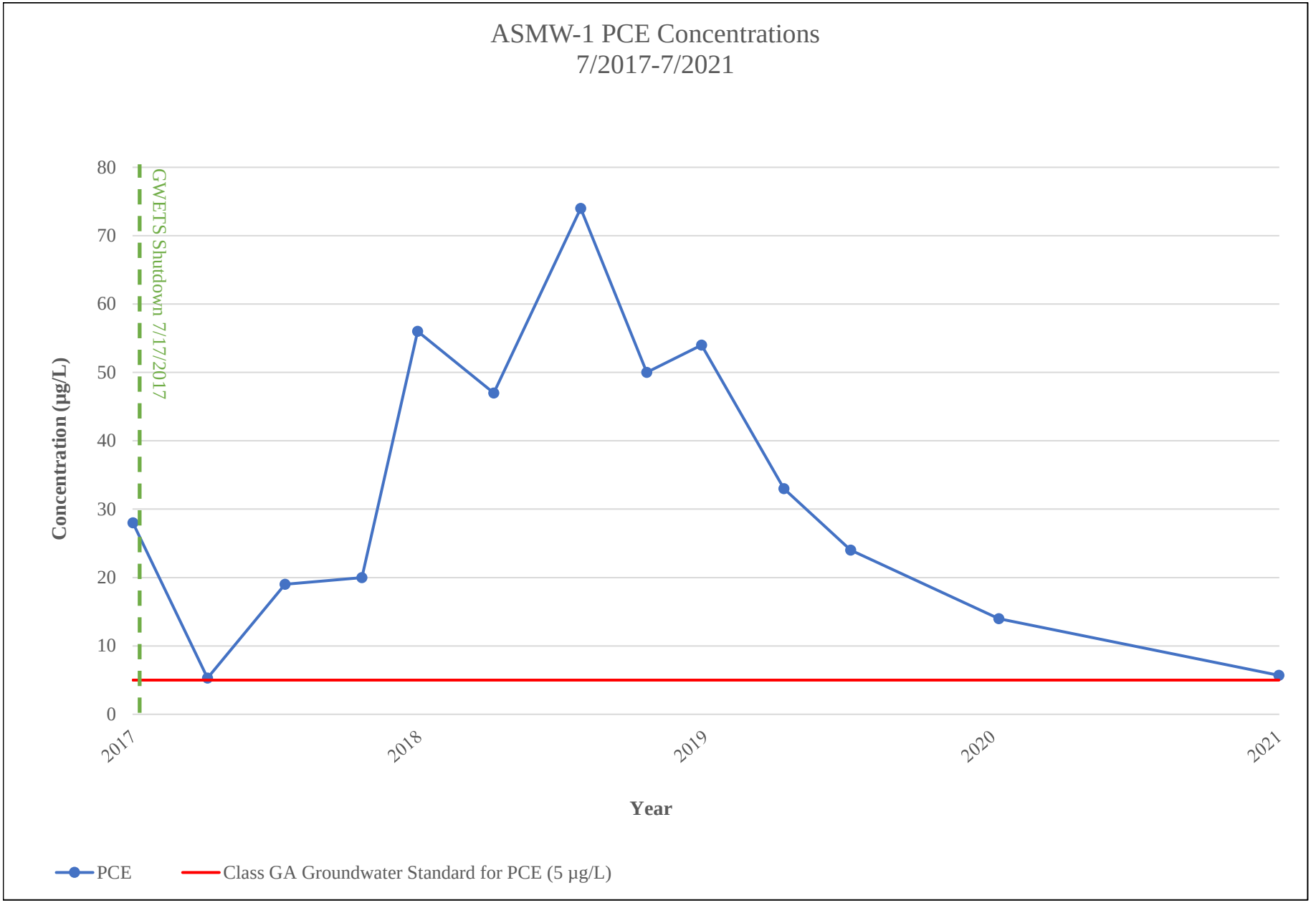
1330: offsite

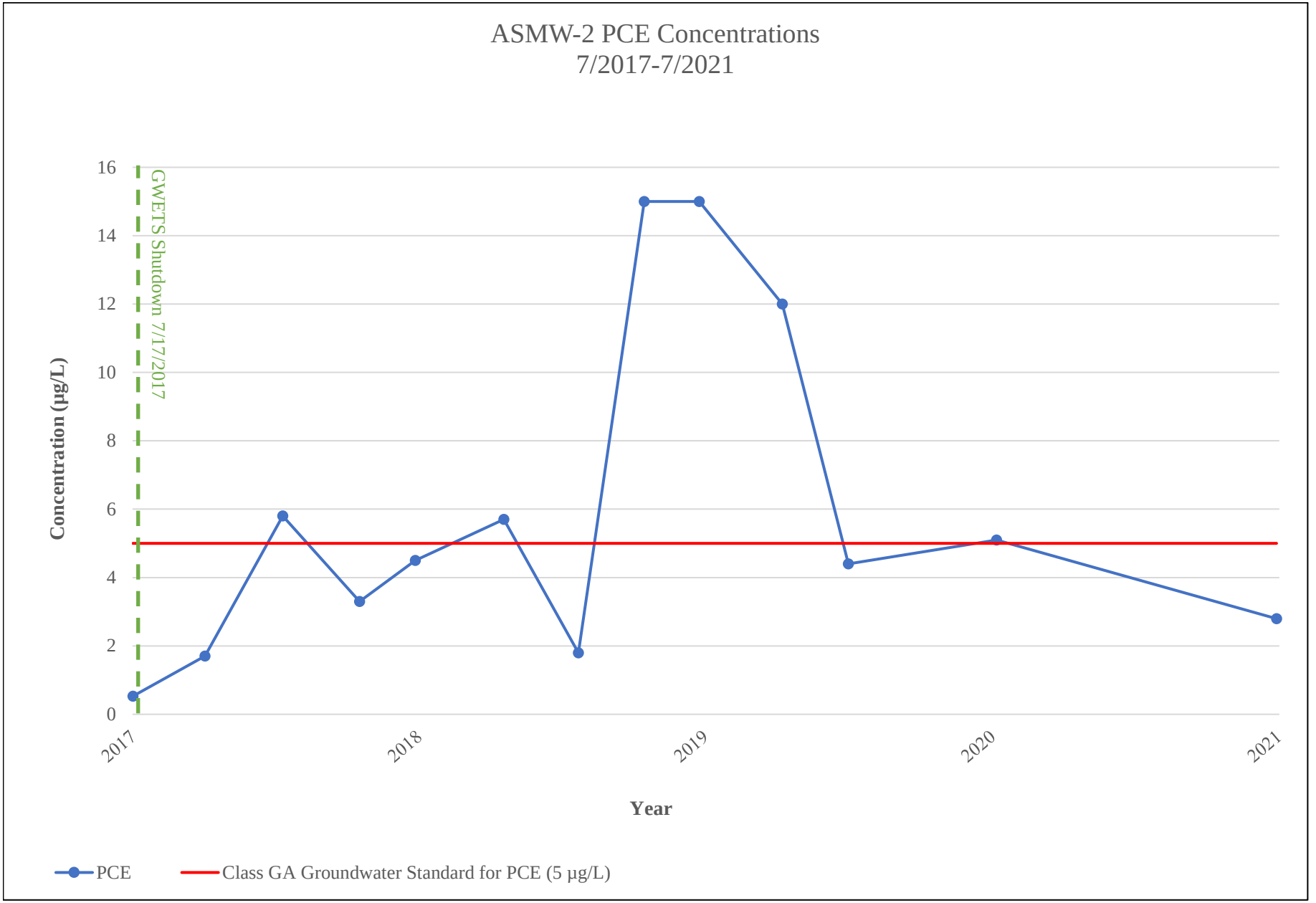
MB

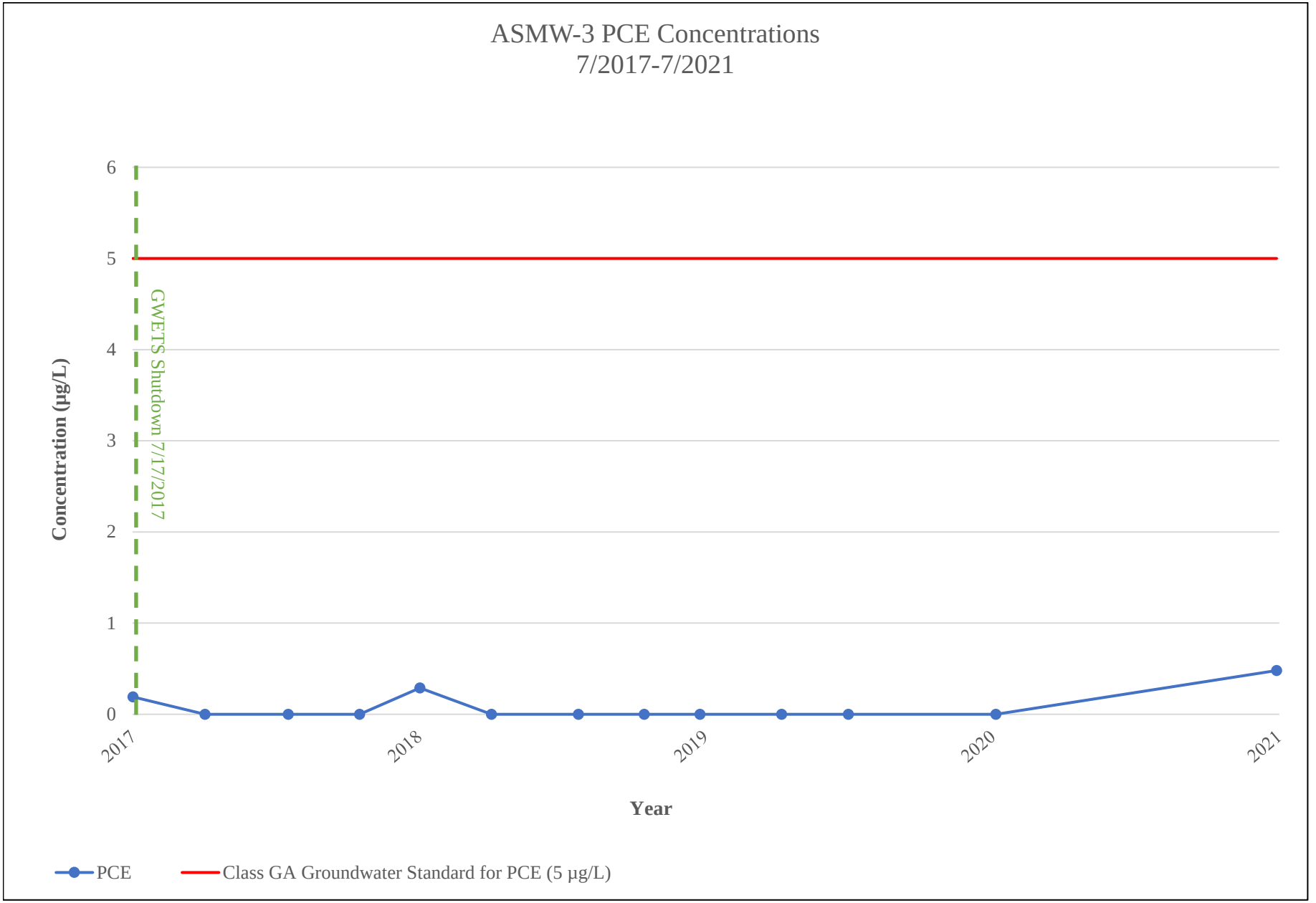
APPENDIX C
PCE CONCENTRATION GRAPHS


EW-1 PCE Concentrations
7/2017-7/2021
GWETS Shutdown 7/17/2017
Concentration (µg/L)
0
1
2
3
4
5
6
2017
2018
2019
2020
2021
Year
PCE
Class GA Groundwater Standard for PCE (5 µg/L)


EW-2 PCE Concentrations
7/2017-7/2021
120
100
80
60
40
20
0
Concentration (µg/L)
GWETS Shutdown 7/17/2017
2017
2018
2019
2020
2021
Year
PCE
Class GA Groundwater Standard for PCE (5 µg/L)


ASMW-1 PCE Concentrations
7/2017-7/2021
GWETS Shutdown 7/17/2017
Concentration (µg/L)
80
70
60
50
40
30
20
10
0
2017
2018
2019
2020
2021
Year
PCE
Class GA Groundwater Standard for PCE (5 µg/L)


ASMW-2 PCE Concentrations
7/2017-7/2021
GWETS Shutdown 7/17/2017
Concentration (µg/L)
16
14
12
10
8
6
4
2
0
2017
2018
2019
2020
2021
Year
PCE
Class GA Groundwater Standard for PCE (5 µg/L)


ASMW-3 PCE Concentrations
7/2017-7/2021
Concentration (µg/L)
6
5
4
3
2
1
0
GWETS Shutdown 7/17/2017
2017
2018
2019
2020
2021
Year
PCE
Class GA Groundwater Standard for PCE (5 µg/L)