

engineering and constructing a better tomorrow

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 ReportFranklin 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 callout 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**.

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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 ( $\mu$ g/L) (ASMW-3) to 14  $\mu$ g/L (EW-2). PCE concentrations exceeded the New York State Class GA Standard (Class GA standard) for PCE of 5  $\mu$ g/L at two locations, ASMW-1 and EW-2, with results of 5.7  $\mu$ g/L and 14  $\mu$ g/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.

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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  $\mu$ g/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  $\mu$ g/L and 0.48  $\mu$ g/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  $\mu$ g/L which is below the Class GA Standard of 5  $\mu$ g/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  $\mu$ g/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 1,4dioxane 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  $\mu$ g/L (ASMW-2) to 0.73  $\mu$ g/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.

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### COST CONTROL SUMMARY

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

coping)
\$219
\$152
\$371
nagement Plan)
\$0
\$0
and Maintenance)
\$7,477
\$154
\$279
\$92
\$3,169
\$11,171
g and Reporting)
\$44,681
\$6
\$413
\$1,490
\$4,073
\$50,663
stem Optimization)
\$0

## **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:
  - o 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.**

K. Amance

Katie Amann Site Project Manager

Al M Boust

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	A Category A Review Report
Appendix I	3 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.
- D&B Engineers and Architects, P.C., 2020b. Franklin Cleaners Groundwater Extraction and Treatment System. Site Management Quarterly Report No. 61. January 2020.
- MACTEC, 2021. 2021 Periodic Review Report. Prepared for the New York State Department of Environmental Conservation. June 2021.
- MACTEC, 2020. Quality Assurance Program Plan and Program Field Activities Plan. Prepared for the New York State Department of Environmental Conservation. April 2020.
- NCDPW, 1993. Engineering Investigations at Inactive Hazardous Waste Sites, Preliminary Site Assessment. Prepared for the New York State Department of Environmental Conservation. March 1993.
- NYSDEC, 2020. Guidelines for Sampling and Analysis of PFAS Under NYSDEC's Part 375 Remedial Programs. January 17, 2020.
- NYSDEC, 2016. Memorandum. Franklin Cleaners Site 01-30-050.

NYSDEC, 2012a. Division of Environmental Remediation, Site Classification Report. November 2012.

- NYSDEC, 2012b. Division of Environmental Remediation. Registry of Inactive Hazardous Waste Disposal Sites Classification Change Notification Letter. November 20, 2012.
- NYSDEC, 1998. Division of Environmental Remediation, Record of Decision, Franklin Cleaners Site. March 1998.
- NYSDEC, 1993. New York State Department of Environmental Conservation, Division of Hazardous Waste Remediation, Registry Site Classification Decision. August 1993.

#### **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

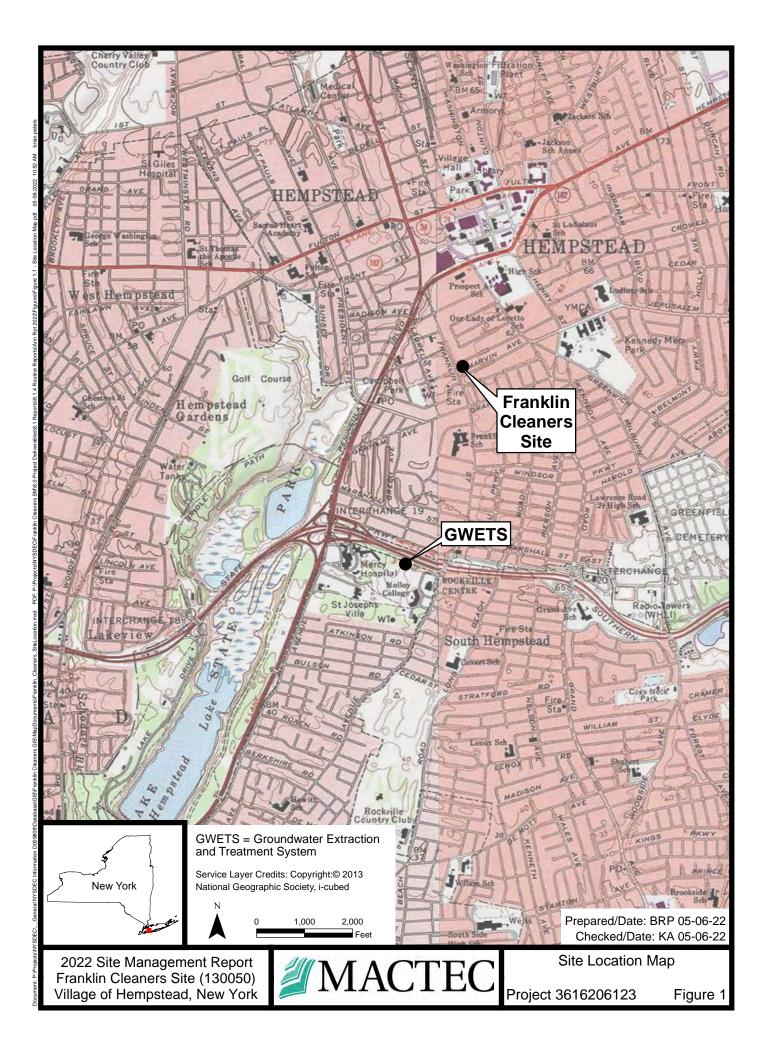


Image Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Southern State Parkway East Bound

Groundwater Extraction and Treatment System Building

Mercy Hospital Parking Area

> Molloy College Parking Area

Southern State Parkway West Bound

2022 Site Management Report Franklin Cleaners Site (130050) Village of Hempstead, New York

25

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Feet

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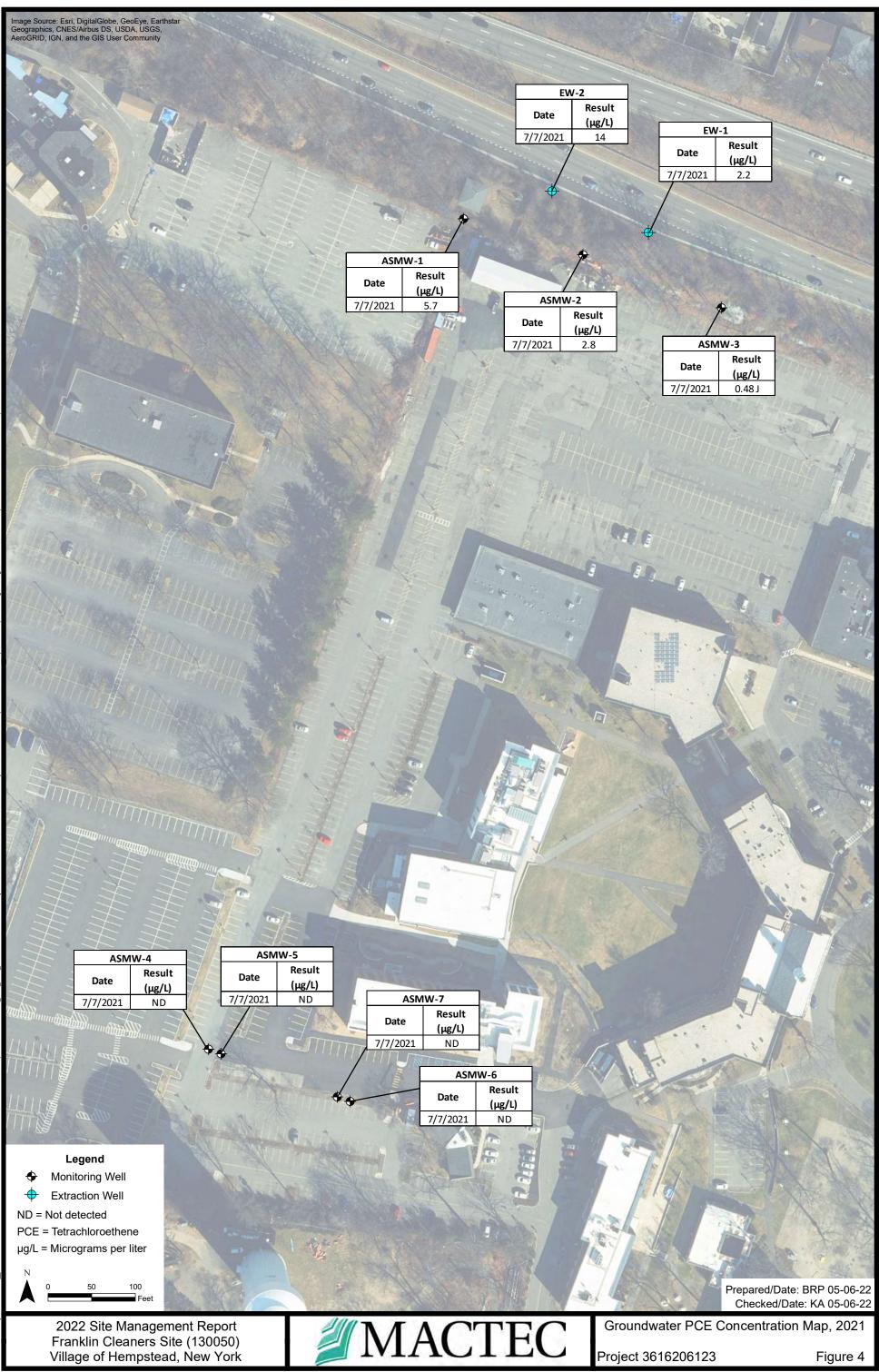
**MACTEC** 

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

Site Plan - Off-Site Project 3616206123 F

Figure 2





TABLES

### **Table 1: Long-Term Monitoring Sample Matrix**

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

Notes:

EPA = Environmental Protection Agency

PFAS = Per- and Polyfluoroalkyl substances

SIM = Selected ion monitoring

VOCs = Volatile organic compounds

### **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

## 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
		ple 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
		mple ID		DUP-1	ASMW-2	ASMW-3	ASMW-4	ASMW-5	ASMW-6	ASMW-7	EW-1	EW-2
		C Code		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
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	<b>0.64</b> J	<b>0.66</b> 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

### 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
	Sar	nple 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
	S	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							
Parameter	GA	GV	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	<b>0.48</b> 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

 $\mu g/l = Micrograms per liter$ 

### Table 4: Groundwater Monitoring Results - Emerging Contaminants

[		L	ocation	ASMW-1	ASMW-1	ASMW-2	ASMW-3	ASMW-4	ASMW-5	ASMW-6	ASMW-7	EW-1	EW-2
		Samp	le 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
		San	nple ID	ASMW-1	DUP-1	ASMW-2	ASMW-3	ASMW-4	ASMW-5	ASMW-6	ASMW-7	EW-1	EW-2
		Q	C Code	FS	FD	FS							
Parameter	SL	GA	GV	Result Qualifier									
1,4-Dioxane (µg/L)													
1,4-Dioxane	NE	NE	NE	0.2 U	0.2 U	<b>0.11</b> J	0.73	0.2 U	0.24	0.57	<b>0.19</b> 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	<b>0.63</b> 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	<b>0.44</b> 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	<b>0.53</b> J	0.55 J	0.61 J	<b>0.44</b> J	<b>0.34</b> J	1.75 U	1.65 U	1.58 U	<b>0.51</b> J	<b>0.4</b> 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	<b>0.23</b> 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

 $\mu g/L = Micrograms per liter$ 

ng/L = Nanograms per liter

# 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

Momie

Date: September 24, 2021

Reviewed by: Julie Ricardi

Julie Rinaei

Date: September 30, 2021

#### Standard Table Notes:

Sample Type (QC Code)	Qualification Reason Codes
FS – field sample	BL1 – method blank qualifier
FD – field duplicate	BL2 – field or trip blank qualifier
TB – trip blank	CCV – continuing calibration verification recovery outside limits
EB – equipment blank	CCV%D – continuing calibration verification percent difference exceeds goal
FB – field blank	CCVRRF – continuing calibration relative response factor low
	CI – chromatographic interference present
<u>Matrix</u>	DCPD – dual column percent difference exceeds limit
GW – ground water	E – result exceeds calibration range
BW – blank water	FD – field duplicate precision goal exceeded
TW – tap water	FP – false positive interference
SV – soil vapor	HT – holding time for prep or analysis exceeded
SED - sediment	HTG – holding time for prep or analysis grossly exceeded
	ICV – initial calibration verification recovery outside limit
<u>Units</u>	ICVRRF – initial calibration verification relative response factor low
mg/L – milligrams per liter	ICVRSD – initial calibration verification % relative standard deviation exceeds
ng/L – nanograms per liter	goal
μg/L – micrograms per liter	ISH – internal standard response greater than limit
mg/kg – milligrams per kilogram	ISL – internal standard response less than limit
μg/kg – micrograms per kilogram	LCSH – laboratory control sample recovery high
$\mu g/m^3$ – micrograms per cubic meter	LCSL – laboratory control sample recovery low
	LCSRPD – laboratory control sample/duplicate relative % difference precision goal exceeded
Qualifiers	LD – lab duplicate precision goal exceeded
U – not detected above quantitation limit	MSH – matrix spike and/or MS duplicate recovery high
J – estimated quantity	MSL – matrix spike and/or MS duplicate recovery low
J+ - estimated quantity, biased high	MSRPD – matrix spike/duplicate relative % difference precision goal exceeded
J estimated quantity, biased low	N – analyte identification is not certain
R – data unusable	PEM – performance evaluation mixture exceeds limit
	PM – sample percent moisture exceeds EPA guideline
Fraction	SD – serial dilution result exceeds percent difference limit
T – total	SP – sample preservation/collection does not meet method requirement
D – dissolved	SSH – surrogate recovery high
N – normal	SSL – surrogate recovery low

TD – dissolved concentration exceeds total

					Lab ID	TA-ED	TA-ED	TALVT
				Me	ethod Class	VOCs	1,4-Dioxane	PFAS
				Analy	sis Method	SW8260D	SW8270E SIM	537 Mod
					Fraction	Ν	Ν	Ν
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

		SDG	460-23	8426-1	460-23	8426-1	460-23	8426-1	460-23	8426-1	460-23	8426-1				
	L	Location		1W-1	ASM	IW-1	ASM	1W-2	ASM	1W-3	ASM	W-4				
	Samp	Sample Date		7/7/2021		2021	7/7/	2021	7/7/	2021	7/7/	2021				
	Sa	mple ID	ASMW-1		DU	P-1	ASN	1W-2	ASM	1W-3	ASM	IW-4				
	C	C Code	F	S	FD		F	S	FS		F	S				
			Final	Final	Final Final		Final	Final Final		inal Final		Final Final		Final	Final	Final
Method	Parameter	Unit	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	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		1 U					
SW8260D	1,1-Dichloroethane	ug/l			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					

	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
		Final Final				
Method Parameter	Unit	Result 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

		SDG	460-23	38426-1	460-23	38426-1	460-23	38426-1	460-23	38426-1	460-23	38426-1
		Location	ASM	ASMW-1		1W-1	ASN	/IW-2	ASM	1W-3	ASN	1W-4
		Sample Date	7/7/	7/7/2021		7/7/2021		/2021	7/7/2021		7/7/	2021
		Sample ID	ASN	1W-1	DUP-1		ASMW-2		ASMW-3		ASN	1W-4
		QC Code	F	=S	F	D	FS		FS		I	S
			Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
Method	Parameter	Unit	Result	Qualifier	Result	Qualifier	Result Qualifier		Result	Qualifier	Result	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	1 U		U	1	U	1	U		U
SW8260D	Vinyl chloride	ug/l	1	1 U		U	1	U	1	U	1	
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	1,4-Dioxane	ug/l	0.2	U	0.2	U	0.11	J	0.73		0.2	U

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	
	Samp	ole Date	7/7/2021		7/7/2021		7/7/2021		7/7/2021		7/7/2021	
	Sa	Sample ID		ASMW-5		ASMW-6		ASMW-7		EW-1		V-2
	C	QC Code	FS		FS		FS		FS		F	S
			Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
Method	Parameter	Unit	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	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	

		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		F	S	
			Final Final		Final Final		Final Final		Final Final		Final	Final	
Method	Parameter	Unit	Result Qual	ifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	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	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		
	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		

		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									
			Final Final		Final	Final	Final	Final	Final	Final	Final	Final
Method	Parameter	Unit	Result	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	
	Xylenes (m&p)	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8270E	1,4-Dioxane	ug/l	0.24		0.57		0.19 J		0.2 U		0.2 U	

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

ATTACHMENT A

# **VOCs and 1,4-Dioxane**

Pro Met Lab Dat Rev	ject: thod oora e: 9/ iewo	CT CATEGORY A REVIEW RECORD : Franklin Cleaners : SW-846 8260C and 8270E-SIM tory: TAL Edison SDG(s): 460-238426-1 /13/2021 er: Casey Cormier Level X CATEGORY A						
1.	V	Case Narrative Review and COC/Data Package Completeness       COMMENTS         Were problems noted?       Yes, see						
		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.	V	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.	V	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.	V	<b>Field Duplicates</b> - 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.		<b>Reporting Limits:</b> 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.	Ø	Electronic Data Review and Edits Does the EDD match the Form Is? YES NO (circle one)						
10.		Table ReviewNo Qual, Table 3Table 1 (Samples and Analytical Methods)No Qual, Table 3Table 2 (Analytical Results)not producedTable 3 (Qualification Actions)YESNOWere all tables produced and reviewed?YESNO						
		Table 4 (TICs)Did lab report TICs?YESNO(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)
<ol> <li>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)</li> </ol>
3. X QC Blanks Are method blanks free of contamination? YES NO (circle one)
<ul> <li>Are field reagent blanks free of contamination? YES NO NA (circle one)</li> <li>4. X Laboratory Control Sample Results (70-130) Were all results within limits? YES NO (circle one)</li> </ul>
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)
<ul> <li>Surrogate Recovery (Extracted Isotope Dilution Standards) (50-150)</li> <li>Were all results within limits? YES NO (circle one)</li> <li>Were any recoveries &lt; 10%? (use professional judgment)</li> </ul>
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

Analysis Batch: 790351								
	Spike	LCS	LCS				%Rec.	% Rec Limits:
Analyte	Added	Result	Qualifier	Unit	D	%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-trifluoroetha	20.0	20.3		ug/L		101	59 - 142	
ne								
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	

	LCS	LCS	
Surrogate	%Recovery	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

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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	

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

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

### Lab Sample ID: 460-238426-6 MS

Matrix: Water Analysis Batch: 790351

	Result ND ND ND ND ND ND ND ND ND ND ND ND ND	Sample Qualifier	Spike           Added           20.0	Result           20.0           20.8           19.8           19.6           20.0           20.7           19.7           20.2           106           103           22.1           18.7           20.3           20.0           19.8	Qualifier	Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	<u>D</u>	%Rec 100 104 99 98 100 104 98 101 106 103 110 93 102	%Rec. Limits 76 - 126 74 - 125 71 - 121 58 - 130 74 - 125 78 - 126 66 - 127 38 - 144 69 - 128 74 - 127 70 - 127 63 - 139 78 - 119	%Rec Limits: 70 - 130
cis-1,3-Dichloropropene Trichloroethene Chlorodibromomethane 1,1,2-Trichloroethane Benzene trans-1,3-Dichloropropene Bromoform 4-Methyl-2-pentanone (MIBK) 2-Hexanone Tetrachloroethene 1,1,2,2-Tetrachloroethane Toluene Chlorobenzene Ethylbenzene Styrene m-Xylene & p-Xylene o-Xylene 1,1,2-Trichloro-1,2,2-trifluoroetha ne Methyl tert-butyl ether Cyclohexane Ethylene Dibromide	ND ND ND ND ND ND ND ND ND ND ND ND ND		20.0 20.0 20.0 20.0 20.0 20.0 20.0 100 100 20.0 20.	20.8 19.8 19.6 20.0 20.7 19.7 20.2 106 103 22.1 18.7 20.3 20.0		ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		104 99 98 100 104 98 101 106 103 110 93 102	74 - 125 71 - 121 58 - 130 74 - 125 78 - 126 66 - 127 38 - 144 69 - 128 74 - 127 70 - 127 63 - 139 78 - 119	
Trichloroethene Chlorodibromomethane 1,1,2-Trichloroethane Benzene trans-1,3-Dichloropropene Bromoform 4-Methyl-2-pentanone (MIBK) 2-Hexanone Tetrachloroethene 1,1,2,2-Tetrachloroethane Toluene Chlorobenzene Ethylbenzene Styrene m-Xylene & p-Xylene o-Xylene 1,1,2-Trichloro-1,2,2-trifluoroetha ne Methyl tert-butyl ether Cyclohexane Ethylene Dibromide	ND ND ND ND ND ND ND ND ND ND ND ND		20.0 20.0 20.0 20.0 20.0 100 100 20.0 20.	19.8 19.6 20.0 20.7 19.7 20.2 106 103 22.1 18.7 20.3 20.0		ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		<ul> <li>99</li> <li>98</li> <li>100</li> <li>104</li> <li>98</li> <li>101</li> <li>106</li> <li>103</li> <li>110</li> <li>93</li> <li>102</li> </ul>	71 - 121 58 - 130 74 - 125 78 - 126 66 - 127 38 - 144 69 - 128 74 - 127 70 - 127 63 - 139 78 - 119	
Chlorodibromomethane 1,1,2-Trichloroethane Benzene trans-1,3-Dichloropropene Bromoform 4-Methyl-2-pentanone (MIBK) 2-Hexanone Tetrachloroethene 1,1,2,2-Tetrachloroethane Toluene Chlorobenzene Ethylbenzene Styrene m-Xylene & p-Xylene o-Xylene 1,1,2-Trichloro-1,2,2-trifluoroetha ne Methyl tert-butyl ether Cyclohexane Ethylene Dibromide	ND ND ND ND ND ND ND ND ND ND ND		20.0 20.0 20.0 20.0 100 100 20.0 20.0 20	19.6 20.0 20.7 19.7 20.2 106 103 22.1 18.7 20.3 20.0		ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		98 100 104 98 101 106 103 110 93 102	58 - 130 74 - 125 78 - 126 66 - 127 38 - 144 69 - 128 74 - 127 70 - 127 63 - 139 78 - 119	
1,1,2-Trichloroethane Benzene trans-1,3-Dichloropropene Bromoform 4-Methyl-2-pentanone (MIBK) 2-Hexanone Tetrachloroethene 1,1,2,2-Tetrachloroethane Toluene Chlorobenzene Ethylbenzene Styrene m-Xylene & p-Xylene o-Xylene 1,1,2-Trichloro-1,2,2-trifluoroetha ne Methyl tert-butyl ether Cyclohexane Ethylene Dibromide	ND ND ND ND ND ND ND ND ND ND		20.0 20.0 20.0 100 20.0 20.0 20.0 20.0 2	20.0 20.7 19.7 20.2 106 103 22.1 18.7 20.3 20.0		ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		100 104 98 101 106 103 110 93 102	74 - 125 78 - 126 66 - 127 38 - 144 69 - 128 74 - 127 70 - 127 63 - 139 78 - 119	
Benzene trans-1,3-Dichloropropene Bromoform 4-Methyl-2-pentanone (MIBK) 2-Hexanone Tetrachloroethene 1,1,2,2-Tetrachloroethane Toluene Chlorobenzene Ethylbenzene Ethylbenzene Styrene m-Xylene & p-Xylene o-Xylene 1,1,2-Trichloro-1,2,2-trifluoroetha ne Methyl tert-butyl ether Cyclohexane Ethylene Dibromide	ND ND ND ND ND ND ND ND ND ND		20.0 20.0 100 20.0 20.0 20.0 20.0 20.0 2	20.7 19.7 20.2 106 103 22.1 18.7 20.3 20.0		ug/L ug/L ug/L ug/L ug/L ug/L ug/L		104 98 101 106 103 110 93 102	78 - 126 66 - 127 38 - 144 69 - 128 74 - 127 70 - 127 63 - 139 78 - 119	
trans-1,3-Dichloropropene Bromoform 4-Methyl-2-pentanone (MIBK) 2-Hexanone Tetrachloroethene 1,1,2,2-Tetrachloroethane Toluene Chlorobenzene Ethylbenzene Styrene m-Xylene & p-Xylene o-Xylene 1,1,2-Trichloro-1,2,2-trifluoroetha ne Methyl tert-butyl ether Cyclohexane Ethylene Dibromide	ND ND ND ND ND ND ND ND		20.0 20.0 100 20.0 20.0 20.0 20.0 20.0 2	19.7 20.2 106 103 22.1 18.7 20.3 20.0		ug/L ug/L ug/L ug/L ug/L ug/L		98 101 106 103 110 93 102	66 - 127 38 - 144 69 - 128 74 - 127 70 - 127 63 - 139 78 - 119	
Bromoform 4-Methyl-2-pentanone (MIBK) 2-Hexanone Tetrachloroethene 1,1,2,2-Tetrachloroethane Toluene Chlorobenzene Ethylbenzene Styrene m-Xylene & p-Xylene o-Xylene 1,1,2-Trichloro-1,2,2-trifluoroetha ne Methyl tert-butyl ether Cyclohexane Ethylene Dibromide	ND ND ND ND ND ND ND ND		20.0 100 20.0 20.0 20.0 20.0 20.0 20.0	20.2 106 103 22.1 18.7 20.3 20.0		ug/L ug/L ug/L ug/L ug/L ug/L		101 106 103 110 93 102	38 - 144 69 - 128 74 - 127 70 - 127 63 - 139 78 - 119	
4-Methyl-2-pentanone (MIBK) 2-Hexanone Tetrachloroethene 1,1,2,2-Tetrachloroethane Toluene Chlorobenzene Ethylbenzene Styrene m-Xylene & p-Xylene o-Xylene 1,1,2-Trichloro-1,2,2-trifluoroetha ne Methyl tert-butyl ether Cyclohexane Ethylene Dibromide	ND ND ND ND ND ND ND		100 100 20.0 20.0 20.0 20.0 20.0	106 103 22.1 18.7 20.3 20.0		ug/L ug/L ug/L ug/L ug/L		106 103 110 93 102	69 - 128 74 - 127 70 - 127 63 - 139 78 - 119	
2-Hexanone Tetrachloroethene 1,1,2,2-Tetrachloroethane Toluene Chlorobenzene Ethylbenzene Styrene m-Xylene & p-Xylene o-Xylene 1,1,2-Trichloro-1,2,2-trifluoroetha ne Methyl tert-butyl ether Cyclohexane Ethylene Dibromide	ND ND ND ND ND ND		100 20.0 20.0 20.0 20.0 20.0 20.0	103 22.1 18.7 20.3 20.0		ug/L ug/L ug/L ug/L		103 110 93 102	74 - 127 70 - 127 63 - 139 78 - 119	
Tetrachloroethene 1,1,2,2-Tetrachloroethane Toluene Chlorobenzene Ethylbenzene Styrene m-Xylene & p-Xylene o-Xylene 1,1,2-Trichloro-1,2,2-trifluoroetha ne Methyl tert-butyl ether Cyclohexane Ethylene Dibromide	ND ND ND ND ND		20.0 20.0 20.0 20.0 20.0	22.1 18.7 20.3 20.0		ug/L ug/L ug/L		110 93 102	70 - 127 63 - 139 78 - 119	
1,1,2,2-Tetrachloroethane Toluene Chlorobenzene Ethylbenzene Styrene m-Xylene & p-Xylene o-Xylene 1,1,2-Trichloro-1,2,2-trifluoroetha ne Methyl tert-butyl ether Cyclohexane Ethylene Dibromide	ND ND ND ND		20.0 20.0 20.0 20.0	18.7 20.3 20.0		ug/L ug/L		93 102	63 - 139 78 - 119	
Toluene Chlorobenzene Ethylbenzene Styrene m-Xylene & p-Xylene o-Xylene 1,1,2-Trichloro-1,2,2-trifluoroetha ne Methyl tert-butyl ether Cyclohexane Ethylene Dibromide	ND ND ND ND		20.0 20.0 20.0	20.3 20.0		ug/L		102	78 - 119	
Chlorobenzene Ethylbenzene Styrene m-Xylene & p-Xylene o-Xylene 1,1,2-Trichloro-1,2,2-trifluoroetha ne Methyl tert-butyl ether Cyclohexane Ethylene Dibromide	ND ND ND		20.0 20.0	20.0						
Ethylbenzene Styrene m-Xylene & p-Xylene o-Xylene 1,1,2-Trichloro-1,2,2-trifluoroetha ne Methyl tert-butyl ether Cyclohexane Ethylene Dibromide	ND ND		20.0			ug/L		400		
Styrene m-Xylene & p-Xylene o-Xylene 1,1,2-Trichloro-1,2,2-trifluoroetha ne Methyl tert-butyl ether Cyclohexane Ethylene Dibromide	ND			10.8				100	80 - 119	
m-Xylene & p-Xylene o-Xylene 1,1,2-Trichloro-1,2,2-trifluoroetha ne Methyl tert-butyl ether Cyclohexane Ethylene Dibromide				10.0		ug/L		99	78 - 120	
o-Xylene 1,1,2-Trichloro-1,2,2-trifluoroetha ne Methyl tert-butyl ether Cyclohexane Ethylene Dibromide			20.0	19.9		ug/L		100	75 - 127	
1,1,2-Trichloro-1,2,2-trifluoroetha ne Methyl tert-butyl ether Cyclohexane Ethylene Dibromide	ND		20.0	19.9		ug/L		100	78 - 123	
ne Methyl tert-butyl ether Cyclohexane Ethylene Dibromide	ND		20.0	20.1		ug/L		100	78 - 122	
Methyl tert-butyl ether Cyclohexane Ethylene Dibromide	ND		20.0	18.8		ug/L		94	59 - 142	
Cyclohexane Ethylene Dibromide										
Ethylene Dibromide	ND		20.0	18.6		ug/L		93	65 - 131	
-	ND		20.0	18.9		ug/L		95	67 - 133	
1,3-Dichlorobenzene	ND		20.0	19.1		ug/L		96	69 - 126	
	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		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	
	MS	MS								
Surrogate %Rec		Qualifier	Limits							

Surrogate	%Recovery	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

Analysis Batch: 790351									%	Rec Lim	its:
	Sample	Sample	Spike	MSD	MSD				%Rec. 70	- 130	RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	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 Q	ual 139	43 - 150	20	30
Vinyl chloride	ND		20.0	22.9		ug/L		115	61 - 144	4	30

Eurofins TestAmerica, Edison

**Client Sample ID: ASMW-6** 

Prep Type: Total/NA

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

Prep Type: Total/NA

Client Sample ID: ASMW-6

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

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

ND ND ND ND ND ND ND ND ND	Qualifier	Added 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0	23.7 19.9 85.8 20.3 22.0 21.1	Qualifier	Unit ug/L ug/L ug/L ug/L ug/L	<u>D</u>	%Rec 118 100 86 102	Limits 50 - 150 74 - 127 61 - 134 64 - 138	<b>RPD</b> 2 4 1 5	Limit 30 30 30
ND ND ND ND ND ND ND ND		20.0 100 20.0 20.0 20.0 20.0	19.9 85.8 20.3 22.0 21.1		ug/L ug/L ug/L		100 86	74 <sub>-</sub> 127 61 <sub>-</sub> 134	4 1	30 30
ND ND ND ND ND ND ND		100 20.0 20.0 20.0 20.0	85.8 20.3 22.0 21.1		ug/L ug/L		86	61 - 134	1	30
ND ND ND ND ND ND		20.0 20.0 20.0 20.0	20.3 22.0 21.1		ug/L					
ND ND ND ND ND		20.0 20.0 20.0	22.0 21.1				102	64 _ 138	5	
ND ND ND ND		20.0 20.0	21.1		ua/L					30
ND ND ND		20.0					110	61 - 140	5	30
ND ND ND			407		ug/L		105	68 - 133	9	30
ND ND		20.0	19.7		ug/L		99	73 - 130	2	30
ND			20.5		ug/L		103	74 - 126	5	30
		20.0	20.0		ug/L		100	78 - 121	1	30
ND		20.0	20.0		ug/L		100	78 - 125	2	30
		20.0	18.9				95	75 - 121	3	30
ND		100	100				100	69 - 128	0	30
ND		20.0	20.0		ug/L		100	68 - 128	6	30
ND		20.0	20.9		ug/L		105	56 - 131	6	30
ND		20.0	19.8		ug/L		99	72 - 121	1	30
ND		20.0	20.4		ug/L		102	76 - 126	2	30
ND		20.0	20.4		ug/L		102	74 - 125	2	30
ND		20.0	20.9		ug/L		104	71 - 121	5	30
ND		20.0	20.3		ug/L		102	58 - 130	4	30
ND		20.0	20.0		ug/L		100	74 - 125	0	30
ND		20.0	21.1				105	78 - 126	2	30
ND		20.0	20.1				100	66 - 127	2	30
ND		20.0	20.3				101	38 - 144	0	30
ND		100	109				109	69 - 128	2	30
ND		100	103				103	74 - 127	0	30
ND		20.0					113	70 - 127	2	30
ND							93	63 - 139	1	30
ND							104	78 - 119	3	30
										30
										30
										30
										30
										30
										30
ND		20.0	20.2		ug/L		101	00-142	,	00
ND		20.0	18.3		ug/L		91	65 - 131	2	30
ND		20.0	19.9				100	67 - 133	5	30
ND		20.0	19.8				99	69 - 126	4	30
							103		3	30
										30
										30
										30
	F1 *+			F1		ND No Q				30
										30
										30
										30
										30
										30
										30
	ND ND ND ND ND ND ND ND ND ND ND ND ND N	ND         ND	ND         20.0           ND         100           ND         20.0           ND         100           ND         20.0           ND	ND         20.0         18.9           ND         100         100           ND         20.0         20.0           ND         20.0         20.9           ND         20.0         20.4           ND         20.0         20.4           ND         20.0         20.4           ND         20.0         20.4           ND         20.0         20.3           ND         20.0         20.3           ND         20.0         20.0           ND         20.0         20.1           ND         20.0         20.1           ND         20.0         20.1           ND         20.0         20.3           ND         20.0         20.1           ND         20.0         20.1           ND         20.0         20.3           ND         20.0         20.3           ND         20.0         20.3           ND         20.0         20.3           ND         20.0         20.5           ND         20.0         20.2           ND         20.0         20.4           ND         20.0	ND         20.0         18.9           ND         100         100           ND         20.0         20.0           ND         20.0         20.9           ND         20.0         20.4           ND         20.0         20.4           ND         20.0         20.4           ND         20.0         20.3           ND         20.0         20.0           ND         20.0         20.1           ND         20.0         20.1           ND         20.0         20.3           ND         20.0         20.5           ND         20.0         20.5           ND         20.0         20.5           ND         20.0         18.3           ND         20.0         19.9           ND         20.0         19.9           ND         20.0	ND         20.0         18.9         ug/L           ND         100         100         ug/L           ND         20.0         20.0         ug/L           ND         20.0         20.9         ug/L           ND         20.0         20.4         ug/L           ND         20.0         20.4         ug/L           ND         20.0         20.4         ug/L           ND         20.0         20.4         ug/L           ND         20.0         20.3         ug/L           ND         20.0         20.1         ug/L           ND         20.0         20.1         ug/L           ND         20.0         20.1         ug/L           ND         20.0         20.3         ug/L           ND         20.0         20.1         ug/L           ND         20.0         20.3         ug/L           ND         20.0         20.3         ug/L           ND         20.0         20.3         ug/L           ND         20.0         20.5         ug/L           ND         20.0         20.7         ug/L           ND         20.0	ND         20.0         18.9         ug/L           ND         100         100         ug/L           ND         20.0         20.0         ug/L           ND         20.0         20.9         ug/L           ND         20.0         20.9         ug/L           ND         20.0         20.4         ug/L           ND         20.0         20.4         ug/L           ND         20.0         20.4         ug/L           ND         20.0         20.4         ug/L           ND         20.0         20.9         ug/L           ND         20.0         20.3         ug/L           ND         20.0         20.1         ug/L           ND         20.0         20.1         ug/L           ND         20.0         20.3         ug/L           ND         20.0         20.3         ug/L           ND         100         103         ug/L           ND         20.0         20.5         ug/L           ND         20.0         20.7         ug/L           ND         20.0         20.4         ug/L           ND         20.0	ND         20.0         18.9         ug/L         95           ND         100         100         ug/L         100           ND         20.0         20.0         ug/L         100           ND         20.0         20.9         ug/L         102           ND         20.0         20.4         ug/L         102           ND         20.0         20.4         ug/L         102           ND         20.0         20.4         ug/L         102           ND         20.0         20.3         ug/L         104           ND         20.0         20.1         ug/L         100           ND         20.0         20.1         ug/L         100           ND         20.0         20.1         ug/L         100           ND         20.0         20.3         ug/L         101           ND         20.0         20.3         ug/L         103           ND         20.0         20.3         ug/L         103           ND         20.0         22.5         ug/L         104           ND         20.0         20.7         ug/L         103           ND	ND         20.0         18.9         ug/L         95         75.121           ND         100         100         ug/L         100         68.128           ND         20.0         20.9         ug/L         105         56.131           ND         20.0         20.4         ug/L         102         76.126           ND         20.0         20.4         ug/L         102         74.125           ND         20.0         20.4         ug/L         102         78.126           ND         20.0         20.4         ug/L         102         74.125           ND         20.0         20.3         ug/L         102         58.130           ND         20.0         20.0         ug/L         100         74.125           ND         20.0         20.1         ug/L         105         78.126           ND         20.0         20.1         ug/L         103         74.127           ND         20.0         22.5         ug/L         103         74.127           ND         20.0         22.5         ug/L         103         76.123           ND         20.0         20.7         ug/L	ND         20.0         18.9         ug/L         95         75.121         3           ND         100         100         ug/L         100         69.128         0           ND         20.0         20.0         ug/L         100         69.128         0           ND         20.0         20.9         ug/L         105         56.131         6           ND         20.0         20.4         ug/L         102         76.126         2           ND         20.0         20.4         ug/L         102         76.126         2           ND         20.0         20.9         ug/L         102         76.126         2           ND         20.0         20.9         ug/L         102         76.126         2           ND         20.0         20.3         ug/L         102         76.126         2           ND         20.0         20.0         ug/L         100         71.121         5           ND         20.0         20.1         ug/L         103         74.125         0           ND         20.0         20.3         ug/L         103         74.127         0 <t< 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Eurofins TestAmerica, Edison

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: 075224.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

## Serial Number: Initials: MB

						1
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	М		17:07	17:08	Р	
3-25-21	М		17:09	17:09	Р	
3-25-21	М		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.

Date: Serial Number Initia

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 (Doar)	10:50	12:30	Pass	
4/28/21	M	2 (nothurl) 3 (south with) Exit	10:50 10:50 10:50 10:50	12:30 12:30	Pass Pess	
4/28/21	M	3 (south with)	10:50	12:30	Pess Pess	
4 28 21	M	Exit	10:50	12:30	Pass	
4 /						
23.				Sec. 1		
		-		R. F. F		
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		10				
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					E CARACTON	11.71.001
2418	5					

# -----18/21 Start Three Fem/Tell Perp Bepkel Eat Wall South Wall North Wall 12:00 MA Exit 10:00 5/18/21 Had an all three for A chill three he Had chill three he Had and three he Had a show with 5/10/21 5/10/21 5/10/21 12:00 10:00 12:00 10:00 10:00 12:00 1.5 (.

#### Date: 6-10-21 Serial Number: Initials: <u>MB</u>

					•	
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	М		10:37	10:37	Р	
6-10-21	М		10:39	10: 0	Р	
6-10-21	М		10: 2	10: 3	Р	



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	М		17:30	17:31	Р	
7-7-21	М		17:33	17:33	Р	
7-7-21	М		17:37	17:38	Р	

# 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	М		17:05	17:05	Р	
8-6-21	М		17:07	17:08	Р	
8-6-21	М		17:08	17:08	Р	

#### Date: 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	М		13:22	13:23	Р	
9-22-21	М		13:24	13:24	Р	
9-22-21	М		13:25	13:25	Р	

Serial Number: Initials:	10-22-7				Pass/Fail	Explanation for failure and planned corrective action
Test Date	Annual or Monthly (A or M)	Unit Number	Start Time	Stop Time	P	
10-22-21	M	Above toor	1610	1610	P	
	Tarballan and a second s	Above Anc	1611	1612	P	
10-22-21 0-22-21	M	Above NPC1	1613	1613		
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		11-2		A REAL PROPERTY.		
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	an and a state of the		The second second second			

BEAL 201

	ute: 11-17-2					
Test Date	Annual or Monthly (A	Unit Number	Start Turne	Stop Time	Pass/Fall	Explanation for failure and plans ed corrective action
	or M)			1719	p	
11/1/1		Hove PAC Hove PAC	1/18	1701	P	
	4 M	Here We contain	1/20	1707	P	
	u NV	Vicit	1722	IJLL		
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	senter number:	12-152 m3	21				
	Test Date	Annual or Monthly (A	Unit Number	Start Time	Stop Time	Pess/Feil	Explanation for failure and planned corrective action
1	12/15/21	M	Above Door Above An C Above VPC1	1050	1050	ρ	
1	2/15/21	M	Above Anc	1052	1053	p	
1	2/15/2	M	ALOVEVPCI	1055	1055	p	
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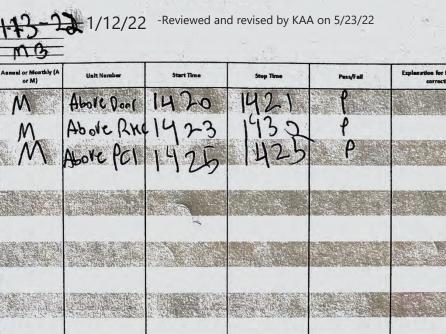
No. 130050

Test Date

1/13/21

1/13/21

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1				
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Date: 2/3/22 Serial Number: Initials: 0.0

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 2/3/22 2/3/22	M	Above Dool Above Ruc Above PCL	12:25	12:26	ſ	
2/3/22	M	ALOVE RUG	12:27	12:27	P	
2/3/22	M	ALOVE, PCL	12.28	12:28	P	
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MONTHLY INSPECTION OF FIRE EXTINGUISHER FORMS

**Date:** 3-25-21

Serial Number:

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

Date: Serial Number: P Initials: W

	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?	χ		
5.) Pressure gauge (or indicator) in the operable range?	X		
6.) Are safety seals and/or tamper indicators in place and functional?	X	1260	1000
7.) Is the extinguisher in good physical condition?	X		
3.) Has the extinguisher inspection tag been initialed for the current month?	X		



Date: 5 Serial Number: FS Initials: UT

	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?	X		
l.) Is the extinguisher full?	$\chi$		
.) Pressure gauge (or indicator) in the operable range?	V		
) Are safety seals and/or tamper indicators in place and functional?	X		
.) Is the extinguisher in good physical condition?	X		
.) Has the extinguisher inspection tag been initialed for the current month?	X		

**Date:** 6-10-21

Serial Number:

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

Date: 7-7-21

Serial Number:

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

Date: 8-6-21

Serial Number:

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

Date: 9-22-21

Serial Number:

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

	Serial Numbe	Date: Serial Number: Initials:ß		
	Yes	No	N/A	
L. 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?	.*			
4.) Is the extinguisher full?	Х			
5.) Pressure gauge (or indicator) in the operable range?	X			
5.) 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			

Monthly Inspection of Fire Exting	Date: Serial Number: Initials:	117/2 MB
	Yes No	N/A
1. Is the extinguisher located in its designated location?		
		1
2.) Is it clear of obstructions to access or visibility?		
3.) Are operating instructions on the name plate legible and facing outward?		
		1
I.) Is the extinguisher full?		
.) Pressure gauge (or indicator) in the operable range?		
.) Are safety seals and/or tamper indicators in place and functional?		See See St.
) Is the extinguisher in good physical condition?		
	-	
) Has the extinguisher inspection tag been initialed for the current month?		

Monthly Inspection of Fire Extinguish	her	,	
	Date Serial Number Initials		5/2
	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?	/		1
7.) Is the extinguisher in good physical condition?	/		
8.) Has the extinguisher inspection tag been initialed for the current month?			

1-12-22 Date: 1-13-22 Ma

	Serial Num	ber:	6
	Yes	No	N/A
1. Is the extinguisher located in its designated location?	1		
2.) Is it clear of obstructions to access or visibility?	/	1	
3.) Are operating instructions on the name plate legible and facing outward?	1		
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?		1	
8.) Has the extinguisher inspection tag been initialed for the current month?	-	1	

A

2/3/22 Date:

Serial Number:

	Initials	Initials: MB	
	Yes	No	N/A
. Is the extinguisher, located in its designated location?	/		and and
			T SAL
2.) Is it clear of obstructions to access or visibility?	-		1. 2.2
3.) Are operating instructions on the name plate legible and facing outward?			
		A Start	
4.) Is the extinguisher full?			
	/		
5.) Pressure gauge (or indicator) in the operable range?			N. Carlos
6.) Are safety seals and/or tamper indicators in place and functional?	1		
o, are safety seals and/or tamper indicators in place and functional	/	1	
7.) Is the extinguisher in good physical condition?		1	
8.) Has the extinguisher inspection tag been initialed for the current month?	and the second states		

**PHOTOGRAPH LOGS** 

Monthly Inspection Photograph Log			
Client: NYSDEC		Project Number:	3616206123
Site Name: Franklin Clea	aners	Site Location:	Rockville Centre, New York
<i>Photographer:</i> Mike Bates		DD NOT	
Date:	-	REMOVE Cr	FOR NV STATE AND SPECTION
March 25, 2021		COASTAL Pire Systems. In	
<b>Photograph:</b> 1		16 Suth Ketsten fue Antywe (W 1 814847355 License No Sufdki 173 Natsau 25 SERVICED BY _Utilasta 179A	TREAM .
<i>Direction:</i> Not applicable			EX PPA:           VP12TIN:           PPE3TIN:           PPE3TIN: <td< td=""></td<>
Description:		WATER MIST CLENNA VOD 1 VN. HOD WO, RUNCHED SYSTEMS O SERO DED NEW RECHARD RECHARD RECHARD NEW RECHARD	AGED
New inspection tag on fire extinguisher following annual inspection of fire extinguisher by Coastal Fire Systems.		8]2[G]@JEFES[2]3]3 2020 €2021	HB.
<i>Photographer:</i> Mike Bates			
Date:		FIRE	
March 25, 2021		C C C C C C C C C C C C C C C C C C C	
Photograph: 2			
<i>Direction:</i> Northwest			
Description:		•	
Sticker added to control panel door marking location of fire extinguisher.			

Мо	onthly Inspection Photograph L	LOG
Client: NYSDEC	Project Number:	3616206123
Site Name: Franklin Cleaners	Site Location:	Rockville Centre, New York
<i>Photographer:</i> Mike Bates		
<i>Date:</i> March 25, 2021		
Photograph: 3		Re
<i>Direction:</i> North		
<i>Description:</i> "Fire Extinguisher Inside" Sticker added to door to treatment building.		

Monthly Inspection Photograph Log			
Client: NYS	DEC	Project Number:	3616206123
Site Name: Frank	lin Cleaners	Site Location:	Rockville Centre, New York
<i>Photographer:</i> William T. Whitacre			
<i>Date:</i> April 28, 2021			
<b>Photograph:</b> 1			
<i>Direction:</i> Southeast			
<i>Description:</i> Monthly test of emergency lighting treatment building. above building door	Unit		
<i>Photographer:</i> William T. Whitacre	,		
<i>Date:</i> April 28, 2021			
<b>Photograph:</b> 2			
<i>Direction:</i> Northeast			
<i>Description:</i> Monthly test of emergency lighting i treatment building. U on building's north y	Jnit		

Monthly Inspection Photograph Log			
Client: NYSDEC		Project Number:	3616206123
<i>Site Name:</i> Franklin Clea	nners	Site Location:	Rockville Centre, New York
<i>Photographer:</i> William T. Whitacre			3
<i>Date:</i> April 28, 2021			
<b>Photograph:</b> 3			
<i>Direction:</i> Southwest			
<i>Description:</i> Monthly test of emergency lighting in treatment building. Unit on building's south partial wall.			
<i>Photographer:</i> William T. Whitacre			
<i>Date:</i> April 28, 2021			
Photograph: 4			
<i>Direction:</i> Southwest			SENSAPHONE
<i>Description:</i> 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	
<i>Photographer:</i> William T. Whitacre			
Date: April 28, 2021			
Photograph: 5			
<i>Direction:</i> Southwest			
<i>Description:</i> Short section of wires exiting top of comms box were enclosed in conduit to address violation identified in past fire inspection.	CELL682 SENSAPHONE		

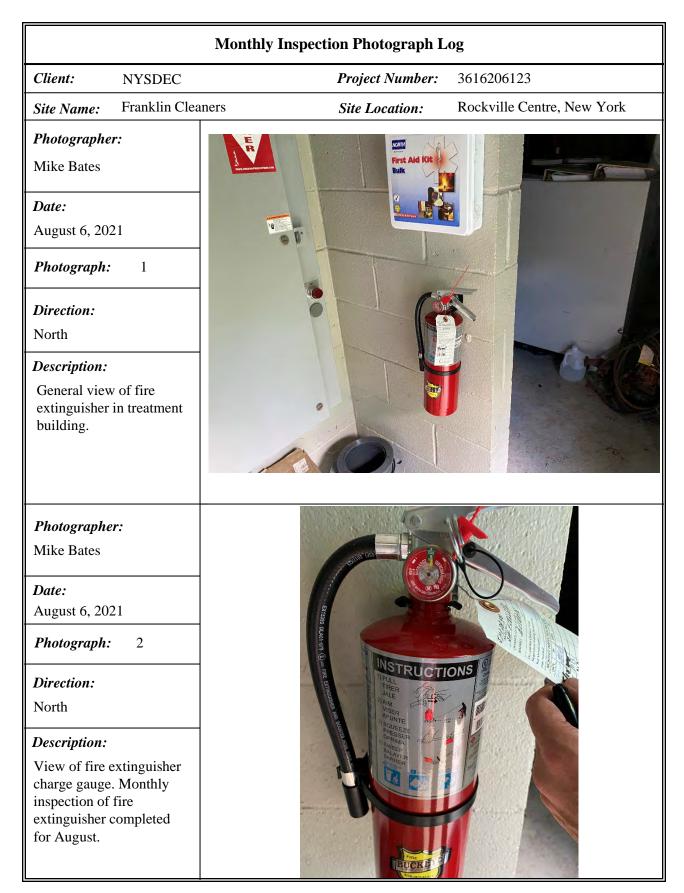
Monthly Inspection Photograph Log			
<i>Client:</i> NYSDEC		Project Number:	3616206123
Site Name: Franklin Clea	iners	Site Location:	Rockville Centre, New York
<i>Photographer:</i> William T. Whitacre			
<i>Date:</i> May 18, 2021			21
<b>Photograph:</b> 1			
<i>Direction:</i> Southeast			
<i>Description:</i> New exit sign installed and bulb in emergency light replaced (located above treatment building's entry door).			
<i>Photographer:</i> William T. Whitacre			
<i>Date:</i> May 18, 2021			
Photograph: 2			
Direction:			
Northeast	-		
<i>Description:</i> Emergency lighting test, north wall of treatment building.			

Monthly Inspection Photograph Log			
Client: NYSDEC		Project Number:	3616206123
Site Name: Franklin Clea	iners	Site Location:	Rockville Centre, New York
<i>Photographer:</i> William T. Whitacre			
Date:         May 18, 2021         Photograph:       3         Direction:         Southwest         Description:         Emergency lighting test,         worth participarally of			
south partial wall of treatment building. <i>Photographer:</i> 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: NY	SDEC	Project Number:	3616206123
Site Name: Fran	nklin Cleaners	Site Location:	Rockville Centre, New York
<i>Photographer:</i> William T. Whitac	re	SHI SA 40	
<i>Date:</i> May 18, 2021		ONOREYSLD. NO. II used	ED85_(Mic) E/E
Photograph:	5	Dry and Wet Chemical Fixe Temperature-Sensing Element Year Manufactured Date Installed MONTHLY INSPECTION	ON RECORD
<i>Direction:</i> Not applicable		DATE BY DA	
<i>Description:</i> Fire extinguisher t Monthly inspectio completed for Ma	n		

lient: NYS	DEC	Project Number:	3616206123
ite Name: Franl	clin Cleaners	Site Location:	Rockville Centre, New York
hotographer:			Sauces
like Bates		610	MI CUERTER
ate:		B	
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		A REAL PROPERTY OF THE REAL PR	
hotograph: 1			
irection:		Contraction of	J HI SH HO
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view of fire exting		WER STON	Dry set We formation
harge gauge. Mont nspection complete	ed for	WISER CONT	You Manual
une.		SOULEEZE	Casta Billing
		NAMER SALES	
		ARTYER	

Monthly Inspection Photograph Log			
Client: NYSDEC	Project Number:	3616206123	
<i>Site Name:</i> Franklin Clean	ers Site Location:	Rockville Centre, New York	
<i>Photographer:</i> Mike Bates			
<i>Date:</i> July 7, 2021	Real Property Chemics		
<b>Photograph:</b> 1			
<i>Direction:</i> Not applicable		SALIO BULLING	
<i>Description:</i> Fire extinguisher charge gauge.	NSTRUCTIO	Charles Contraction of the second of the sec	
<i>Photographer:</i> Mike Bates	OWNER'S I.D. NO. (if used) REMARKS	- Contraction	
<i>Date:</i> July 7, 2021	Temperature-Sensing Element Data Year Manufactured Date Installed		
<b>Photograph:</b> 2	DATE BY DATE B	BY	
<i>Direction:</i> Not applicable	Six more		
Description:		-	
Fire extinguisher tag. Monthly inspection completed for July.	INTED IN U.S. TASS A LESS BARAN		

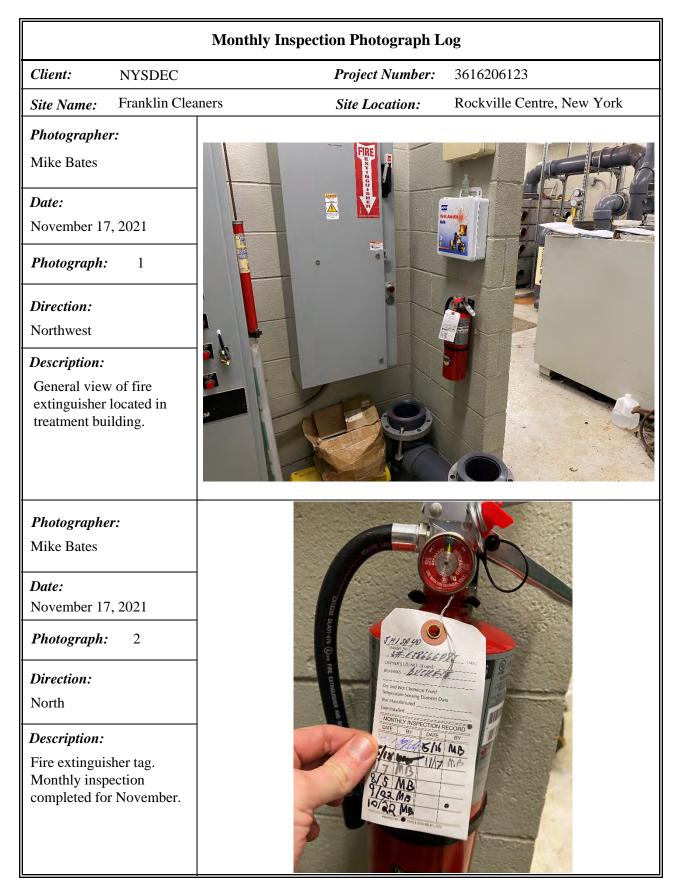


Monthly Inspection Photograph Log			
Client: NYSDEC		Project Number:	3616206123
<i>Site Name:</i> Franklin Cle	aners	Site Location:	Rockville Centre, New York
<i>Photographer:</i> Mike Bates			
<i>Date:</i> August 6, 2021			
<b>Photograph:</b> 3			
<i>Direction:</i> Southeast			
<i>Description:</i> View of overgrown vegetation along access way to treatment building.			
<i>Photographer:</i> Mike Bates			
Date:			
August 6, 2021           Photograph:         4			
Direction:			
Northwest		K MARK	North Contract
<i>Description:</i> View of overgrown vegetation at treatment building property.			

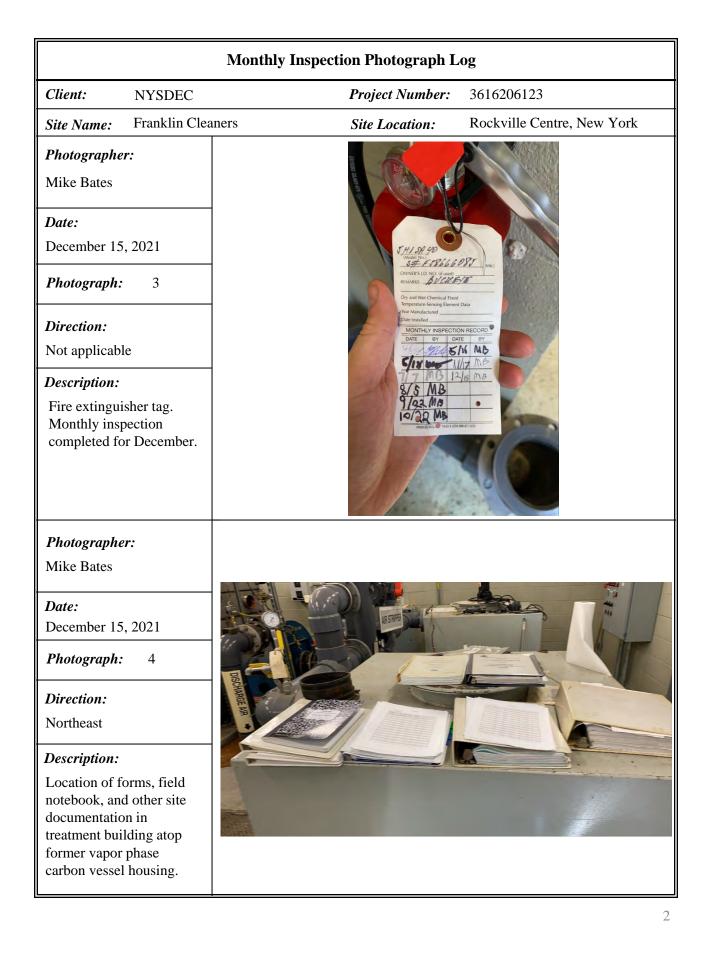
		Monthly Insp	ection Photograph L	log
Client:	NYSDEC		Project Number:	3616206123
Site Name:	Franklin Cleane	ers	Site Location:	Rockville Centre, New York
<ul> <li>Photographer</li> <li>Mike Bates</li> <li>Date:</li> <li>September 22</li> <li>Photograph:</li> <li>Direction:</li> <li>North</li> <li>Description:</li> <li>View of fire e charge gauge</li> </ul>	, 2021 1 extinguisher			
<ul> <li><i>Photographer</i></li> <li>Mike Bates</li> <li><i>Date:</i></li> <li>September 22</li> <li><i>Photograph:</i></li> <li><i>Direction:</i></li> <li>North</li> <li><i>Description:</i></li> <li>Fire extinguis</li> <li>Monthly inspection</li> <li>Monthly inspection</li> </ul>	2, 2021 2 her tag. ection		Image: State	

Monthly Inspection Photograph Log								
Client: NYSDEC	Pre	oject Number:	3616206123					
<i>Site Name:</i> Franklin Clea	aners Sit	e Location:	Rockville Centre, New York					
<i>Photographer:</i> Mike Bates								
<i>Date:</i> September 22, 2021								
<b>Photograph:</b> 3								
<i>Direction:</i> Southeast								
<i>Description:</i> View of overgrown vegetation along access way to treatment building.								
<i>Photographer:</i> Mike Bates								
Date:	ATTACK STR							
September 22, 2021Photograph:4			S. Dimmera					
Direction:		and the second	AND					
Northwest								
<i>Description:</i> View of overgrown vegetation at treatment building property.								

Monthly Inspection Photograph Log								
Client: NYSDEC		Project Number:	3616206123					
<i>Site Name:</i> Franklin Clea	aners	Site Location:	Rockville Centre, New York					
Photographer:		Ta cess						
Mike Bates	_	5 <u>H1599</u>						
Date:		S#-F58666 OWNER'S I.D. NO. (if used)	UST (Mir.)					
October 22, 2021		REMARKS						
Photograph: 1		Temperature-Sensing Elemen Year Manufactured Date Instelled MONTHLM INSPECTI	nt Data					
Direction:			ATE BY					
Not applicable		5/18 1000-						
Description:	2	8/5 MB						
Fire extinguisher tag. Monthly inspection complete for October.			44-413022					
Photographer:		ann namiti	HINKS					
Mike Bates			And Market and Barry Control of C					
Date:	Cook.							
October 22, 2021		-						
Photograph: 2								
Direction:	Constanting of the second s							
North	callber:	High and the second sec						
<i>Description:</i> Location of forms, field notebook, and other site documentation in treatment building atop former vapor phase carbon vessel housing.	COMPOSITION BOOK							



Monthly Inspection Photograph Log								
Client: NYSDEC		Project Number:	3616206123					
Site Name: Franklin Clea	aners	Site Location:	Rockville Centre, New York					
<i>Photographer:</i> Mike Bates								
<i>Date:</i> December 15, 2021								
Photograph: 1	-							
<i>Direction:</i> Northwest		100						
<i>Description:</i> General view of fire extinguisher located in treatment building.								
<i>Photographer:</i> Mike Bates								
<i>Date:</i> December 15, 2021	-							
Photograph: 2	-							
<i>Direction:</i> North			TONS					
<i>Description:</i> View of fire extinguisher charge gauge.								



Monthly Inspection Photograph Log								
Client: NYSDEC		Project Number:	3616206123					
Site Name: Franklin Cle	aners	Site Location:	Rockville Centre, New York					
<i>Photographer:</i> Mike Bates		SIEMENS						
<i>Date:</i> January 13, 2022	_							
<b>Photograph:</b> 1	_							
Direction:								
Northwest	_	1						
<i>Description:</i> General view of fire extinguisher in treatment building.								
<i>Photographer:</i> Mike Bates								
Date:		1	and adding					
January 13, 2022	_							
Photograph: 2	_							
Direction:								
North		Contraction of the second						
<i>Description:</i> View of fire extinguisher charge gauge.		NSTRUCTIO Pull There And Area And Area Area Area Area Area Area Area Area	INS INS					

Monthly Inspection Photograph Log							
Client: NYSDEC		Project Number:	3616206123				
Site Name: Franklin Clea	iners	Site Location:	Rockville Centre, New York				
<i>Photographer:</i> Mike Bates							
<i>Date:</i> January 13, 2022		THISP. 90 Inded No.) SF FISELED B OWNERS LD NO. 81 and REMARKS BUILDED Dy and We Chemical Fixed					
Photograph:3Direction:Not applicable		Temperature Sening Element Da Temperature Sening Element Da To Annaled Date mailed TO ATE BY DATE TO ATE TO ATE					
<i>Description:</i> Fire extinguisher tag. Monthly inspection completed for January.		ST S MB II 1/2 A MA 1/2 A MA II/2 A MA II/2 A MA					
<i>Photographer:</i> Mike Bates							
Date: January 13, 2022 Photograph: 4							
<i>Direction:</i> Northeast	ISCHARGE AIR						
<i>Description:</i> 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 Cle	aners Site Location:	Rockville Centre, New York							
<i>Photographer:</i> Mike Bates									
<i>Date:</i> February 3, 2022									
<b>Photograph:</b> 1									
<i>Direction:</i> Northwest									
<i>Description:</i> General view of fire extinguisher in treatment building.									
<i>Photographer:</i> Mike Bates		1							
<i>Date:</i> February 3, 2022									
Photograph: 2									
Direction:									
North	- NSTRUCT	IONS							
<i>Description:</i> View of fire extinguisher charge gauge.	A CALLER AND A CAL								

Monthly Inspection Photograph Log							
Client: NYSDEC		Project Number:	3616206123				
Site Name: Franklin Clea	iners	Site Location:	Rockville Centre, New York				
<i>Photographer:</i> Mike Bates		E toto runea					
Date: February 3, 2022 Photograph: 3							
Photograph:3Direction:Not applicableDescription:Fire extinguisher tag.Monthly inspectioncompleted for February.							
<i>Photographer:</i> Mike Bates							
Date:February 3, 2022Photograph:4		AR STRATE					
<i>Direction:</i> Northeast							
<i>Description:</i> 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	3616206123							
<i>Site Name:</i> Franklin Clea	ners Site Location:	Rockville Centre, New York						
<i>Photographer:</i> Mike Bates								
<i>Date:</i> February 3, 2022								
<b>Photograph:</b> 5								
<i>Direction:</i> Northwest								
<i>Description:</i> Path shoveled around treatment building following recent snowstorm.								

SITE ACTIVITIES LOGS

PERSONNEL ON-SITE	DATE/TIME ON-SITE	TIME OFFSITE	REASON FOR SITE VISIT (CHECK BOX BELOW)			IT (CHECK BOX BELOW)
Mike Bates	3/25/2021		Monitorin	ng		Maintenance
			Sampling	3	Х	Other (Provide Description)
			Alarm Re	esponse		
extinguisher was in working the treatment building and the	order and a new yearly inspe	ner inspection in the treatment ection tag was added to the fire er to mark its location in case ed inspection and one did not.	e extinguisher	. Stickers were a	app	olied to the outer door of
William T. Whitacre	4/28/2021		Monitorin	ng		Maintenance
			Sampling	g	Х	Other (Provide Description)
			Alarm Re	esponse		
		nd fire extinguisher in treatmer of top of comms box with cond		ttery is exit sign	is	exhausted and one bulb has
William T Whitacre	18 MAY 21 / 0900	1400	Monitorin	ng		Maintenance
			Sampling	g	Х	Other (Provide Description)
			Alarm Re	esponse		
This was due to the length of th	to the fact it was discovered th he existing one was insufficier	ninated for in excess of 2 hours nat it was necessary to replace nt to allow the junction box con nergency egress lights remain	e one single co ver to be close	onductor going t ed due to the ph	o tl ysi	he replacement light because cal configuration of the new light.

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	Х	Other (Provide Description)	
				Alarm Response	En	nergency Exit Light replacement	
Description:							
Conducted monthly inspect	ion of emergency lights and f	ire extinguisher.					
			-				
Mike Bates	7/7/2021 / 0800	1745		Monitoring		Maintenance	
Emili Puccio	7/7/2021 / 0800	1745	Х	Sampling	Х	Other (Provide Description)	
				Alarm Response			
Description:			-				
Performed long-term ground	dwater monitoring sampling e	vent. Conducted monthly insp	pection	on of emergency lights a	and f	ire extinguisher.	
Mike Bates	8/6/2021 / 1450	1720		Monitoring		Maintenance	
				Sampling	Х	Other (Provide Description)	
				Alarm Response			
Description:							
Conducted monthly inspection	on of emergency lights and fir	e extinguisher. Yard around t	reatr	nent building has not be	en n	naintained.	

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	Х	Other (Provide Description)		
				Alarm Response				
Description:								
	on of emergency lights and fir pection of the treatment buildir		ite ha	as not been maintained.	Fire	e inspector and NYSDEC project		
Mike Bates	10/22/2021 / 1600	1640		Monitoring		Maintenance		
				Sampling	Х	Other (Provide Description)		
				Alarm Response				
		e extinguisher. Yard around tr	Call					
Mike Bates	11/17/2021 / 1710	1840		Monitoring		Maintenance		
				Sampling	Х	Other (Provide Description)		
				Alarm Response				
Description: Conducted monthly inspection of emergency lights and fire extinguisher. Yard around treatment building has not been maintained.								

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	Х	Other (Provide Description)
				Alarm Response		
Description:						
Conducted monthly inspection	on of emergency lights and fir	e extinguisher. Yard around tr	reatn	nent building has not be	en r	naintained.
Mike Bates	1/12/2022 / 1330	1445		Monitoring		Maintenance
				Sampling	Х	Other (Provide Description)
				Alarm Response		
Description:	1	1			1	
Conducted monthly inspection	on of emergency lights and fir	e extinguisher.				
			-		1	
Mike Bates	2/3/2022 / 1200	1330		Monitoring		Maintenance
				Sampling	Х	Other (Provide Description)
				Alarm Response		
Description:				_		
Conducted monthly inspection	on of emergency lights and fir	e extinguisher. Cleared snow	from	around treatment build	ling	and access gates.

JULY 2021 LONG-TERM GROUNDWATER MONITORING FIELD RECORDS

PROJECT NAME Franklin (	ELD INSTR	Controlly 1	and the state	N CALIBRA	TASK NO:	104	DATE 7/7/21
	206123				MACTEC CRI		lucis Michaell
PROJECT LOCATION H	empstead, NY				SAMPLER NA	ME Mid	ned Bates
WEATHER CONDITIONS (AM)	the second se	inny,	tind 7	meh SW	SAMPLER SIG		mb
WEATHER CONDITIONS (PM)	90°F, SU	man. co	sind 14	hal Stil	CHECKED BY	00	ADATE SIND
MULTI-PARAMETER WATER	QUALITY METE	R	entita i ti	upp son	T T	OT PULLA	10
METER TYPE VSI					PO	ST CALIBRA	TION CUECK
UNITID NO MODEL NO. 556 MPS	Start T	ime 090	CALIBRATI	Time 0930	Start Time		End Time 1715
and the state	units Standard Value			*Acceptance Criterin (AM)	Standard Value	Meter Value	*Acceptance Criteria (PM)
	SU 40		0 +/-	0 1 pl1 Units		_ 00	
pH (7) pH (10)	SU 70 SU 10.0	_1.0		0   pH Units 0   pH Units	70	1.23	+/-0.3 pH Units
	/- mV 240	240		10 mV	240	233	+/- 10 mV
	S/cm 1.413	1	in the	0.5 % of standard	1 413	1.398	+/-5% of standard
DO (saturated)	% 100	100	- AF	2% of standard	1.1.1.1.1.1.1	11330	
and the second se	1 (me Chart 1) \$,09	8	1. Kent	0.2 mg/L	8.09	8.16	+/-0.5 mg/L of
	ng/L <01	20		5 mg/L	0,01	016	standard
Temperature	°C	26				26.34	
and the second sec	milg	70			1	760.2	
TURBIDITY METER	1.200	Units	Standard	Meter	Standard	Meter	*Acceptance
METER TYPE Hach MODEL NO DIGO O	i de la la la la	Units	Value	Value	Value	Value	Criteria (PM)
UNITID NO MAZY-31	10	NTU	10	10,3	10	10.1	+/- 0.3 NTU of stan.
MACY-ST	≤0+ Standard 20 Standard	NTU	20		20	101	+/- 5% of standard
	100 Standard	NTU	100	105	100	J'al-	+/- 5% of standard
	800 Standard	NTU	800	Tac	800	190	+/- 5% of standard
PHOTOIONIZATION DETEC	TOR	100	The Area	110	100	0	
METER TYPE Minifice	Background	ppmv	<0.1	0.0	<0.1 (	0.1	within 5 ppmv of BG
UNIT ID NO MOOI-62	. Span Gas	ppmv	100	100	100	1001	+/- 10% of standard
O2-LEL 4 GAS METER	Spartoas	Phine	100	100	100	1000	Tre 10% of Standard
METER TYPE	Methane	%	50	1.00.000	50		+/- 10% of standard
MODEL NO.	O <sub>7</sub>	%	20.9		20.9		+/- 10% of standard
UNIT ID NO.	H <sub>2</sub> S	ppmv	25		25		+/- 10% of standard
The second second	CO	ppmv	50		50		+/- 10% of standard
OTHER METER		/		100.00	En States		
METER TYPE	-	1.24	dia no		and the second		See Notes Below
MODEL NO						1	for Additional
UNIT ID NO.					-	- Contraction	Information
Equipment calibrated within	he Accentance Ceiteria e	marified for	where the second	waters View Lab			
Equipment (not) calibrated w							
MATERIALS RECORD	than the Acceptance Crit	erta specified	1 lot cach of inc	100 and 100 and 171	and the second second		1. E
MATERIALS RECORD			151 2	pH(4)	L Standard Lot	Number	Exp. Date
ionized Water Source:	Portland F	os		pH (7) C	63268		IC/CL
Lot#/Date Produced:			- Oak /	pH (10)			-NGCE
ip Blank Source:			122	ORP O	67306		7/21
mple Preservatives Source:	0.45µm cellulo	54	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	10 Conductivity	17968		0/2
libration Fluids / Standard Sour		~		20 Turb. Stan	1013	1000	Apr 22
- DO Calibration Fluid (<0.1 mg/l		land FOS		100 Turb. Stan	100	The second se	Apr 22
- Other	SULL AND ST	A Starts	19.33	800 Turb Stan	1020		May 22
- Other	A ALL ASSAULS	15.04	1.1.19. 10.	PID Span Gas S	COSY	1000	COLZADI
- Other	MEM			Og-LEL Span Gas	The A		
NOTES:	1 1	-		Other	and a set of		
IUTES.							and the second
			17 4 c - 1	<b>和</b> 自己的中国。(4.01			and we shall
alay adapting paint substance providence	d accentance enterin and	andra accorda	toe with USEPA R	fergion 1 SOPs for Field in	strument Calibration (E	QASOP-FieldCalibra	i) and Low Stress Purging and
inless otherwise noted, calibration procedures a lung (EQASOP-GW001), each dated 1/19/2019	nd acceptance criteria are in g Additorial acceptance criter	in obtained free		A THICK THE TECORING	sect rehardments become	bulate see of the second	Distance or alestica a
If meter reading is not within acceptance criteria	a, clean/replace probe and re-	calibrate, or use	calibrated back-u	p meter if available. If pro	lie	PRIME RUC OF RIGHT REVIEW	ment clearly down
If meter reading is not within acceptance criteria	a, clean/replace probe and re-	calibrate, or use	calibrated back-u	p meter if available. If pro	id Instrument Catalo	- mouse of the instru	ment, clearly document any
If meter reading is not within acceptance criteria	a, clean/replace probe and re-	calibrate, or use	calibrated back-u	p meter if available. If pre	dd Instrument Calibrati	an (EQASOP-FieldCa	ment, clearly document any librat), dated 1/19/2010
Indees otherwise noted, calibration procedures a pling (EQASOP-GW00), each dated 1/19/2010) If meter reading is not within acceptance enten icons from acceptance criteria on all data sleets so Saturated standard value is calculated based MACTEC	a, clean/replace probe and re-	calibrate, or use	calibrated back-u	p meter if available. If pre	dd Instrument Calibrats	an (EQASOP-FieldCa	ment, clearly document any librat), dated 1/19/2010
f meter reading is not within acceptance criteria	a, cleasy/replace probe and re- and log book, entries on Oxygon Solubility at Indic	calibrate, or use	calibrated back-u	p meter if available. If pre	da hostrument Calibrati	an (EQASOP-FieldCa	ment, clearly document any fibrat), dated 1/19/2010

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		UMENIAII	ON CALIBRA		And the second sec		
PROJECT NAME: Franklin PROJECT NUMBER 3616	Cleaners 206123	a orange des			-04	DATE 7/7/21	
	lempstead, NY			MACTEC CREV SAMPLER NAM	Sale II	Jucijo, Michael Bo	
WEATHER CONDITIONS (AM)		may wind	TruchSW	SAMPLER SIG		mili Purco	
WEATHER CONDITIONS (PM)	90°F, 54	Invited 14	mohSSW	CHECKED BY		DATE SILLA	
MULTI-PARAMETER WATER			1.0		M		
METER TYPE YSI	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	AM CALIBR	TION	POS	T CALIBRAT	ON CHECK	
UNITID NO. MOIS-13	Start I	ime 0906 /Ea	d Time 0930	Start Time 700 /End Time 17/5			
	Units Standard Value SU 4.0	Value 4.00	*Acceptance Criteria (AM)	Standard Value	Meter Value	*Acceptance Criteria (PM)	
pH (4) pH (7) pH (10)	SU 7.0 SU 10.0	7.00	+/- 0.1 pH Units +/- 0.1 pH Units +/- 0.1 pH Units	7.0	7.04	+/- 0.3 pH Units	
	/- mV 240	240,0	+/- 10 mV	240	241.0	+/- 10 mV	
Conductivity #	nS/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	and a second sec	8.10	+/- 0.2 mg/L	8.09	812	+/- 0 5 mg/L. of	
	mg/L <0.1	50.1	< 0.5 mg/L		2001	standard	
Temperature Baro Press n	°C nmHg	760.2		1	26.34		
TURBIDITY METER		Stands	rd Meter	Standard	Meter	*Acceptance	
METER TYPE Hach		Units Valu		Value	Value	Criteria (PM)	
MODEL NO. 2100 Q	10	10		10	1. 0	5%	
UNITID NO. MO24-27	Standard	NTU -01	INT	-0.1	10.2	+/-0-3 NTU of stan.	
	20 Standard 100 Standard	NTU 20 NTU 100	20,5	20	19.5	+/- 5% of standard +/- 5% of standard	
	800 Standard	NTU 800	100	800	806	+/- 5% of standard	
PHOTOIONIZATION DETEC METER TYPE B. M. Toe	TOR	ppmv <0.1		<0.1	0.0	within 5 ppmv of BG	
UNIT ID NO. MODI-62		ppmv 100	100	100	100	+/- 10% of standard	
O2-LEL 4 GAS METER			/			/	
METER TYPE	Methane	% 50		50 20.9		+/- 10% of standard +/- 10% of standard	
MODEL NO.	02 H,S	% 20.9 ppmv 25		25		+/- 10% of standard	
	CO	ppmv 50	1.1	50		+/- 10% of standard	
OTHER METER	/						
METER TYPE	/	<u></u>				See Notes Below	
and the second se			/-			for Additional	
MODEL NO.						Information	
MODEL NO. UNIT ID NO		enacified for each of the	parameters listed above				
MODEL NO. UNIT ID NO Equipment calibrated within				ove**.	1.0		
MODEL NO. UNIT ID NO Equipment calibrated within Equipment (not) calibrated w			of the parameters listed ab	ove**. Cal. Standard Lot	Number	Exp. Date	
MODEL NO. UNIT ID NO Equipment calibrated within			of the parameters listed ab		Number	Exp. Date	
MODEL NO. UNIT ID NO Equipment calibrated within Equipment (not) calibrated w MATERIALS RECORD		iteria specified for each o	of the parameters listed ab pH (4) pH (7)		Number	Exp. Date 10/2.2. 10/2.2.	
MODEL NO. UNIT ID NO Equipment calibrated within Equipment (not) calibrated w MATERIALS RECORD cionized Water Source: Lot#/Date Produced:	within the Acceptance Cri	iteria specified for each o	of the parameters listed ab pH (4) pH (7) pH (10)	Cal. Standard Lot CST904 SGJ268	Number	Exp. Date 10/2.2 10/2.2	
MODEL NO. UNIT ID NO Equipment calibrated within Equipment (not) calibrated w MATERIALS RECORD eionized Water Source: Lot#/Date Produced: rip Blank Source:	within the Acceptance Cri	iteria specified for each o	of the parameters listed ab pH (4) pH (7) pH (10) ORP C	Cal. Standard Lot 26,37904 36,3268 26,3268	Number	Exp. Date 10/2.2 10/2.2 7/21 (0/2.1	
MODEL NO. UNIT ID NO Equipment calibrated within Equipment (not) calibrated w MATERIALS RECORD cionized Water Source: Lot#/Date Produced: rip Blank Source: ample Preservatives Source:	within the Acceptance Cri	iteria specified for each o	of the parameters listed ab pH (4) pH (7) pH (10)	Cal. Standard Lot 26,37904 36,3268 26,3268	Number	Exp. Date 10/2.2 10/2.2 10/2.2 7/21 (0/2.1 Apr 2.2	
MODEL NO. UNIT ID NO Equipment calibrated within Equipment (not) calibrated w MATERIALS RECORD cionized Water Source: Lot#/Date Produced: rip Blank Source: ample Preservatives Source: isposable Filter Type:	Portland I 0.45µm cellul rce:	iteria specified for each o	of the parameters listed ab pH (4) ( pH (7) ( pH (10) ( ORP ( OConductivity ( OT Turb. Stan. ( 20 Turb. Stan. ()	Cal. Standard Lot CS7904 SCJ268 CJ306 CJ968 A1013 A1013	Number	Exp. Date 10/2.2 10/2.2 10/2.2 7/21 (0/2.1 Apr 22 Apr 22	
MODEL NO. UNIT ID NO Equipment calibrated within Equipment (not) calibrated w MATERIALS RECORD cionized Water Source: Lot#/Date Produced: rip Blank Source: ample Preservatives Source: isposable Filter Type:	vithin the Acceptance Cri Portland I 0.45µm cellul rce:	iteria specified for each o	of the parameters listed ab pH (4) ( pH (7) ( pH (10) ORP ( OConductivity ( OTTurb. Stan. 100 Turb. Stan.	Cal. Standard Lot CS 1904 SG 3268 CS 968 CS 968 A 1013 A 1013 A 1013 A 1013	Number	Exp. Date 10/22 10/22 10/22 10/21 10/21 10/21 Apr 22 Apr 22 May 22 May 22	
MODEL NO. UNIT ID NO Equipment calibrated within Equipment (not) calibrated w MATERIALS RECORD cionized Water Source: Lot#/Date Produced: rip Blank Source: ample Preservatives Source: isposable Filter Type: alibration Fluids / Standard Sour - DO Calibration Fluid (<0.1 mg/ - Other	vithin the Acceptance Cri Portland I 0.45µm cellul rce:	iteria specified for each o	of the parameters listed ab pH (4) ( pH (7) ( pH (10) ORP ( OConductivity ( OConductivity ( OTurb, Stan, ( 100 Turb, Stan, ( 800 Turb,	Cal. Standard Lot CJ904 SGJ268 CJ968 CJ968 A1013 A1013 A1013 A1020 A1020	Number	Exp. Date 10/22 10/22 10/22 10/21 10/21 Apr 22 Apr 22 May 22 May 22 Sed 2021	
MODEL NO. UNIT ID NO Equipment calibrated within Equipment (not) calibrated w MATERIALS RECORD cionized Water Source: Lot#/Date Produced: rip Blank Source: ample Preservatives Source: isposable Filter Type: alibration Fluids / Standard Sour - DO Calibration Fluid (<0.1 mg/ - Other - Other	vithin the Acceptance Cri Portland I 0.45µm cellul rce:	iteria specified for each o	of the parameters listed ab pH (4) ( pH (7) ( pH (10) ORP ( OConductivity ( OTTurb. Stan. 100 Turb. Stan.	Cal. Standard Lot CS 1904 SG 3268 CS 968 CS 968 A 1013 A 1013 A 1013 A 1013	Number	Exp. Date 10/22 10/22 10/22 7/21 10/21 Apr 22 May 22 May 22 May 22 May 22 Sec 2021	
MODEL NO. UNIT ID NO Equipment calibrated within Equipment (not) calibrated w MATERIALS RECORD cionized Water Source: Lot#/Date Produced: rip Blank Source: ample Preservatives Source: isposable Filter Type: alibration Fluids / Standard Sour - DO Calibration Fluid (<0.1 mg/ - Other	vithin the Acceptance Cri Portland I 0.45µm cellul rce:	iteria specified for each o	of the parameters listed ab pH (4) ( pH (7) ( pH (10) ORP ( Conductivity ( Conductivity ( D Turb. Stan. ( 100 Turb. Stan. ( 800 Turb. Stan. ( PID Span Gas	Cal. Standard Lot CJ904 SGJ268 CJ968 CJ968 A1013 A1013 A1013 A1020 A1020	Number	Exp. Date 10/22 10/22 10/22 10/21 10/21 Apr 22 May 22 May 22 May 22 See 2021	
MODEL NO. UNIT ID NO Equipment calibrated within Equipment (not) calibrated w MATERIALS RECORD cionized Water Source: Lot#/Date Produced: rip Blank Source: ample Preservatives Source: isposable Filter Type: alibration Fluids / Standard Sour - DO Calibration Fluid (<0.1 mg/ - Other - Other	vithin the Acceptance Cri Portland I 0.45µm cellul rce:	iteria specified for each o	of the parameters listed ab pH (4) ( pH (7) ( pH (10) ( Conductivity ( Conductivity ( 20 Turb. Stan. ( 800 Turb. Stan. ( PID Span Gas ( O <sub>2</sub> -LEL Span Gas ( )	Cal. Standard Lot CJ904 SGJ268 CJ968 CJ968 A1013 A1013 A1013 A1020 A1020	<u>Number</u>	Exp. Date 10/22 10/22 7/21 10/21 Apr 22 Apr 22 May 22 May 22 May 22 Sec 2021	
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MODEL NO. UNIT ID NO Equipment calibrated within Equipment (not) calibrated w MATERIALS RECORD Peionized Water Source: Lot#/Date Produced: rip Blank Source: ample Preservatives Source: calibration Fluids / Standard Sour - DO Calibration Fluid (<0.1 mg/ - Other - Other - Other	vithin the Acceptance Cri Portland I 0.45µm cellul rce:	iteria specified for each o	of the parameters listed ab pH (4) ( pH (7) ( pH (10) ( Conductivity ( Conductivity ( 20 Turb. Stan. ( 800 Turb. Stan. ( PID Span Gas ( O <sub>2</sub> -LEL Span Gas ( )	Cal. Standard Lot CJ904 SGJ268 CJ968 CJ968 A1013 A1013 A1013 A1020 A1020	Number	Exp. Date 10/22 10/22 7/21 10/21 Afr 22 May 22 May 22 May 22 Ser 2021	
MODEL NO. UNIT ID NO Equipment calibrated within Equipment (not) calibrated w MATERIALS RECORD reionized Water Source: Lot#/Date Produced: rip Blank Source: ample Preservatives Source: isposable Filter Type: alibration Fluids / Standard Sour - DO Calibration Fluid (<0.1 mg/ - Other - Other - Other - Other - Other - Other - Other - Other	vithin the Acceptance Cri Portland I 0.45μm cellul ree: /L) Por	riteria specified for each o	of the parameters listed ab pH (4) ( pH (7) ( pH (10) ORP ( Conductivity ( 20 Turb. Stan. ( 20 Turb. Stan. ( 800 Turb. Stan. ( PID Span Gas O <sub>2</sub> -LEL Span Gas Other	Cal. Standard Lot CJ904 CJ268 CJ30C CJ968 CJ968 CJ968 A1013 A1013 A1013 A1013 A1013 A1020 SC054		10/22 10/22 7/21 10/21 Apr 22 May 22 May 22 May 22 Sep 2021	
MODEL NO. UNIT ID NO Equipment calibrated within Equipment (not) calibrated w MATERIALS RECORD Colonized Water Source: Lot#/Date Produced: rip Blank Source: ample Preservatives Source: calibration Fluids / Standard Source DO Calibration Fluid (<0.1 mg/ Other Other Other Other NOTES: Unless otherwise noted, calibration procedures	within the Acceptance Cri Portland I 0.45µm cellul ree: /L) Por	riteria specified for each of POS	of the parameters listed ab pH (4) ( pH (7) ( pH (10) ( ORP ( OC onductivity ( OT Turb. Stan. ( 20 Turb. Stan. ( PID Span Gas O <sub>7</sub> -LEL Span Gas Other ( StePA Region 1 SOPs for Field	Later Standard Lot CJ904 CJ904 CJ908 CJ908 CJ908 AI013 AI013 AI013 AI020 SC054 SC054 CJ908 AI013 AI013 AI020 SC054 CJ908 AI013 AI013 AI013 AI020 SC054 CJ908 AI013 AI013 AI013 AI013 AI020 SC054 CJ908 AI013 AI0	QASOP-FieldCalibra	10/22 10/22 10/21 10/21 10/21 Apr 22 May 22 May 22 May 22 Sep 2021	
MODEL NO. UNIT ID NO Equipment calibrated within Equipment (not) calibrated w MATERIALS RECORD reionized Water Source: Lot#/Date Produced: rip Blank Source: ample Preservatives Source: isposable Filter Type: alibration Fluids / Standard Sour - DO Calibration Fluid <0.1 mg/ - Other - Oth	within the Acceptance Cri Portland I 0.45μm cellul rce: /L) Pot	n general accordance with US reading of the second and the second accordance with US	of the parameters listed ab pH (4) ( pH (7) ( pH (10) ORP ( OConductivity ( OTurb. Stan. ( 20 Turb. (	AL Standard Lot 25.3704 36.3268 6.3268 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.396866 6.396866 6.396866 6.39686 6.3968666666 6.3	QASOP-FieldCalibra	10/22 10/22 10/22 10/21 Apr 22 Apr 20 Apr 20 Ap	
MODEL NO. UNIT ID NO Equipment calibrated within Equipment (not) calibrated w MATERIALS RECORD Peionized Water Source: Lot#/Date Produced: rip Blank Source: ample Preservatives Source: pisposable Filter Type: alibration Fluids / Standard Sour DO Calibration Fluid <0.1 mg/ Other Other Other Other Other Other Other HOTES: Unless otherwise noted, calibration procedures mpling (EQASOP-GW001), each dated 1/19/20 = If meter reading is not within acceptance crite	within the Acceptance Cri Portland I 0.45μm cellul rce: /L) Pot	n general accordance with US reading of the second and the second accordance with US	of the parameters listed ab pH (4) ( pH (7) ( pH (10) ORP ( OConductivity ( OTurb. Stan. ( 20 Turb. (	AL Standard Lot 25.3704 36.3268 6.3268 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.396866 6.396866 6.396866 6.39686 6.3968666666 6.3	QASOP-FieldCalibra	10/22 10/22 10/21 10	
MODEL NO. UNIT ID NO Equipment calibrated within Equipment (not) calibrated w MATERIALS RECORD Deionized Water Source: Lot#/Date Produced: rip Blank Source: ample Preservatives Source: 'isposable Filter Type: 'alibration Fluids / Standard Sourd - DO Calibration Fluid (<0.1 mg/ - Other - Other	within the Acceptance Cri Portland I 0.45μm cellul rce: /L) Pot	n general accordance with US reading of the second and the second accordance with US	of the parameters listed ab pH (4) ( pH (7) ( pH (10) ORP ( OConductivity ( OTurb. Stan. ( 20 Turb. (	AL Standard Lot 25.3704 36.3268 6.3268 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.396866 6.396866 6.396866 6.39686 6.3968666666 6.3	QASOP-FieldCalibra	10/22 10/22 10/21 10	
MODEL NO. UNIT ID NO Equipment calibrated within Equipment (not) calibrated w MATERIALS RECORD reionized Water Source: Lot#/Date Produced: rip Blank Source: ample Preservatives Source: isposable Filter Type: alibration Fluids / Standard Sour - DO Calibration Fluid <0.1 mg/ - Other - Oth	within the Acceptance Cri Portland I 0.45μm cellul rce: /L) Pot	n general accordance with US reading of the second and the second accordance with US	of the parameters listed ab pH (4) ( pH (7) ( pH (10) ORP ( OConductivity ( OTurb. Stan. ( 20 Turb. (	AL Standard Lot 25.3704 36.3268 6.3268 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.396866 6.396866 6.396866 6.39686 6.3968666666 6.3	QASOP-FieldCalibra	10/22 10/22 10/21 10	
MODEL NO. UNIT ID NO Equipment calibrated within Equipment (not) calibrated w MATERIALS RECORD cionized Water Source: Lot#//Date Produced: rip Blank Source: ample Preservatives Source: isposable Filter Type: alibration Fluids / Standard Sour - DO Calibration Fluid (<0.1 mg/ - Other - Other - Other - Other NOTES: Unless otherwise noted, calibration procedures mplog (EQASOP-GW001), each dated 1/19/20 - If meter reading is not within acceptance crite	vithin the Acceptance Cri Portland I 0.45μm cellul rce: /L) Por Portland I 10. Addisonal acceptance criteria are in 10. Addisonal acceptance criteria ris, clean/replace probe and ris and log book entries ed on Oxygen Solubility at lac	n general accordance with US reading of the second and the second accordance with US	of the parameters listed ab pH (4) ( pH (7) ( pH (10) ORP ( OConductivity ( OTurb. Stan. ( 20 Turb. (	AL Standard Lot 25.3704 36.3268 6.3268 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.39686 6.396866 6.396866 6.396866 6.39686 6.3968666666 6.3	QASOP-FieldCalibra	10/22 10/22 10/21 10	

a fritten an an an an an	LOW FLOW GROUND	WATER SAMPLING REC	ORD	
PROJECT NAME Fra	nklin Cleaners		MTE 7/2/21	
PROJECT NUMBER	3616206123.00	START TIME	ND TIME	-10
SAMPLE ID AS ANGLI	SAMPLE TIME	1345 SITE NAME/NUMBER	1515 -	men l'a
A511W-1	1450	E Franklin Cleaneld	OF WELL INTEGRITY	
L DIAMETER (INCHES)	4 06 01	OTHER	CAP 125 NO NA	
SUREMENT POINT (MP)	/4 3/8 1/2 5/8	OTHER_	CASING J = =	11 2013-
		PROT CLER	COLLAR	4
IMP) 100 FT (	EMP) 21, 3 FT	STICKUP (AGS)	FT DIFFERENCE	<u> </u>
	ENGTH O FT	PID AMBIENT AIR 0.0	PPM SETTING	SEC
	VOLUME 10164 GAL	PID WELL D. 3	DISCHARGE	SEC
CALCULATED 11 24	OTAL VOL	41)		
column X well diameter squared X 0.041) (	mL per minute X total minutes X 0 00026 gal/mL	TOTAL PURGED	TO PUMP	PSI
ELD PARAMETERS WITH PROGRAM STAB	TEMP CCI SP. CONDUCTANCE AH	APP) (units) DISS O, (mg/L) TURBIDITY (r	NU REDOX FUMF	1.312
Minutes Drawdown (mL/min) BEGIN PURGING	(mQrm) P	(1 units) (+/- 10%) (+/- 10% <10 e		and the
15 21.73 250	1513 0 382 15	04 38/1120	2407 85	A - A
20 21.74	15.630382 5	84 3.40 9.64	2319	
125 21.73	15.540.382 5	84 3.30 9.04	231.0	and the last
139 21.73	15.48 0.381 5		2256	and make
35 21.73	15,460.382 6	141 3.25 11.4	2205	144
40 2172	15.180.3816	5 3.25 11,5	217.4	243
445 21.13	15.420.3816	16 3.26 11.3	214.5	
		1 2 2 2 2 2		
	15 0.38 6	17 3.3 11.3	ALO TEMP searce degree (cx. 10.1 = 10)	COLUMN S
FINAL STABILIZ	ED FIELD PARAMETERS (to appropri		COND 3 SF max (ex. 313) = 3130, 0.6% = 0.6%) pH accred tands (ex. 5.5) = 5.5)	1.
1945 IPMENT DOCUMENTATION	15,92 0.381 6	tt 3.76 11.3	212.5 TURB 35F mar, noteroi tenth (6 14 = 62, 101 = 10 ORP 25F (44.1 = 44, 191 = 190)	0
TYPE OF PUMP D		ICEING/PUMP/BLADDER MATERIALS	EQUIPMENT USED	111
BLADDER	DEIONIZED WATER TEFLON TUEN POTABLE WATER TEFLON LINED NITRIC ACID HDPE TUBING	G PVC PUMP MATERIAL	NO MINITLAN 2000 WOMETER YSI 556 M	PS.
WATTERA	HEXANE LDPE TUBING	OTHER OTHER	MMP	6.02
OTHER NALYTICAL PARAMETERS	OTHER A COME THER	OTHER	EILTERS NO TYPE	
PARAMETER.	METHOD FIELD NUMBER FILTERED	PRESERVATION VOLUME METHOD REQUIRED	SAMPLE QC SAMPLE BOTT COLLECTED COLLECTED NUMBER	
by SVOCE Metals	8270 6010B/7470A			
VoCs	8200D N	HCI 120 ml	DUR-1	1
Water Chemistry	537 N See Notes	uch 500 mL	DUB-I	<u> </u>
19-dioxane	827DE SIM N	ice 500ml	J J DUP-1	
URGE OBSERVATIONS		SKETCH/NOTES		
URGE WATER YES NO ONTAINERIZED	NUMBER OF GALLONS ~2	Water Chemistry = "ICL VDC+ USEPA IDS UDE: Pressules/Verbacks - USEPA Weit, Tes PUSEIRE Sectional Chemistry - USEPA Weit, Tes	R. SVOCS - USEPA ISTR, TAL Metals - USEPA 1010; Mercury - USEPA 1070; al supercised solub - 58(25803); Total dascelysal solub - USEPA 160 U, Bacteria ASTM DIPPE and and an analysis of the second solub.	Total PCEB - UNEPA
O-PURGE METHOD YES NO TILIZED	If yes, purged approximately 1 standing volume prior to sampling ormL for this sample location.	wan Toul Chards 20124	ASTM 02977, all and grame - USEPA 166-0A. Total organic casteria - USEPA -	(15). pit-USEPA
milding ch	· 0.11 . 0.1.	Duplicate	vor-1 taken	
unpler Signature	Prins Name (AKANDE) Marte	nere		2-10
ochod By Standy SIII	4 Date: 1111	NM=Not wensor	rev	FIGURE
MACTE	C		LOW FLOW GROUNDWATER SAMPL	FIGURE 4.17 ING RECORD
Congress Street, Portland Maine 04101			NYSDEC QUALITY ASSURANCE PR	UJECTPLAN

the lot of the lot of

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	PROJECT NAM	3	Franklin Cleaner	FLOW GRO	100	AS MW- 2	DAT	*7/7	121	See.	
	PROJECT NUM	DER	3616205123 00	>		START TIME CO END TIME 1645					
	SAMPLE ID A	SMW-	2 1	645		- IBOLLIN (	and the second se	E OF		WELL INTEGRITY	
	METER (INCHES)		12 01	<b>0</b> 6 <b>0</b>		onex			CAP.	The NO NA	
TUBING ID	(INCHES)		14 33		]\$7	OTHER			CASINO LOCKED COLLAR	ギミミ	
INITIAL			FINAL BTW	TOP OF CASING	1000	OTHER	LALA		TOCTOR	-NWFT	
WELL DE		TH TO, O	(BMP) SCREEN	2016	FT STI	CKUP (AGS)	INA		REFULL TIME		
(BMP) WATER	LI	0.00 1	DENGTH	10	FT AM	RENT AIR	0.]	11951	SETTING	SEC	
COLUMN	101	.93 1	VOLUME (mital DTW- final D	0 1974	GAL MO	WELL.	0.3		DISCHARGE TIMER SETTI		
CALCUL GAL/VOL (column X	ATED L L well diameter liqua	.47 GAL	TOTAL VOL. PURGED	2.34	GAL TO	WDOWN	-0.006	3	PRESSURE TO PUMP	PSI	
FTELD PAR	RAMETERS WITH DTW (FT)	H PROGRAM ST	(mL per minute X tot	al minutes X 0 00026 ga ERIA (AS LISTED IN T	limil) DIE QAPP)			L BUTTON	PUMP	I	
3-5 Minutes	0 0-0 33 fl Drawdown BEGIN PUF	PURGE RATE (mL/mm)	TEMP (°C) (*/-3 degrees)	SP CONDUCTANCE (mSicm) (4/- 3%)	pH (units) (+/- 0.1 units)	DISS O2 (mg/L) (+/-10%)	TURBIDITY (ntu) (+/- 10% <10 mb)	REDOX (my) (+/-10 my)	DEPTH (A)	COMMENTS	
610	20.14	300	1688	0.331	7.00	3.25	3.53	221.4	85	12. 3	
615	20.15	1	16.56	0.345	7.51	1.85	1,37	2082		a state of the second	
620	20,15	-	16.54	0.364	7.65	1.71_	1.12	196.3			
630	20.15	++-	6.9	0.3/1	7.73	1.65	1.21	188.1			
635	20.10		15.60	0.384	7 70	1.81	1.61	178.0			
610	20.16		16.61	0.384	7.78	1.07	1.52	166.5	1		
		1			-	-					
			-								
			17	0.389	7.8	1.9	2.1	170			
	Ett	VII CTINH	Warms, streated on los of the							Automic Loss 100 Loss	
-ua		NAL STABILI	ZED FIELD PARA		mopriate sign			hace	PH. accret terch	degree (er. 10.1 = 10) as (er. 3333 = 3330, 0.6% = 0.6%) h(er. 3.53 = 3.5) h(er. 15.1 = 1.5)	
IPMENT DO	OCUMENTATIO		Heref		7 <del>,79</del>	ficant figures[S	FI) (H) 2,13	166,5	pH. norrest tests DO acarost tests	nt (ex. 3333 + 3130, 0,6%) = 0,6%) h (ex. 3.53 = 1,5) h (ex. 3.51 + 1.5)	
PERISTA	OCUMENTATIO	N D	HE-GT	0,389	7.79 TUBING		27-13-	1100,5	COND 3 S7 mar pH, neuros tenda DO acercal tenda TURIE 3 S7 mm, ORP 2 S7 (44 1	n (n. 1331 - 333, 0.0% + 0.6%) (n. 353 - 1.5) (n. 353 - 1.5) n. narros lastic (5.1% + 6.2, 101 + 101) = 44, 191 - 190) EQUIPMENT USED	
IPMENT DO	OCUMENTATIO (PE OF PUMP ALTIC RSIBLE	N E	HG.G.F	SILICON T	TUBING TUBING UBING UNED TUBING		12713 TEBIALS TEL PUMP MATERIA PROBE SCREEN	1100,5	COND 3.57 mar pH. neuroit tenth DO served tenth TURB 3.57 mm ORP 2.57 (44.1 PID X WL M	EQUITMENT USED EQUITMENT USED EQUITMENT USED METER	
PERISTA SUBMER BLADDE WATTER OTHER	OCUMENTATIO (PE OF PUMP ALTIC RSIBLE ER		DECON PLUIDS USED LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID INEXANE METHANOL	SILICON 1 TEPLON T TEPLON L HOFE TUR OTHER	TUBING TUBING UBING UNED TUBING UNG	LAMMBLADDER MA S ST PVC GEO TEPI OTH	2273 TERIALS TERIALS PROBE SCREEN ON BLADGER ER ER	1100,5	COND 155 mm pHL asserts task DO asserts task DO asserts task DORP 257 (441 ORP 257 (441 WL M PID WQ N Y UR2 PUMD	R(C) 1333 - 3133 0.000 + 0.000) R(C) 333 - 133 R(C) 333 - 133 R(C) 335 - 133 R(C) 335 - 133 R(C) 200 R(C) 200	
PERISTA SUBMER BLADDE WATTER OTHER OTHER	OCUMENTATIO OFE OF PUMP ALTIC RSIELE ER EA L PARAMETERS		HGrGH DECONPLUIDS USED LIQUINOX DEIONIZED WATER NOTABLE WATER NOTABLE WATER COTABLE WATER NOTABLE WATER OTHER ALCOMOX	SILICON T TEPLON L TEPLON L DIFE TUR LOFE TUR OTHER OTHER	TUBING TUBING UBING UBING UNED TUBING UNG		2273 TERIALS EEL PLAY MATERIAL PROBE SCREEN CON BLADDER ER ER ER		COND 3.5 max pH. norrol land DO sarrol land TURB 3.57 mm ORP 2.57 (41) WLM PID WQM TURE	A (A. 1337 - 3131, 0.00 + 0.6%) H(A. 337 - 133, 0.00 + 0.6%) H(A. 337 - 133) A MARKE BOD (6 19 + 62, 101 - 101) EQUIPMENT USED METER M. T. Care 2000 METER <u>VS E S376 M/FS</u> B METER <u>LAACK 2100 Q</u> P	
IPMENT DA IV PERISTA SUBMER BLADDE WATTER OTHER MALYTICAL	COLUMENTATIO (PE OF PUMP ALTIC RSIBLE ER RA L PARAMETERS PARAMET		DECON PLUIDS USED LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID INEXANE METHANOL	SILICON 1 TEPLON T TEPLON L HOFE TUR OTHER	TUBING TUBING UBING UBING UNED TUBING UNG PRESER		22-13- TERIALS EEEI PUMP MATERIA PROFESCREEN ON BLADDER ER ER ER ER	1100,5	COND JS man peth anoret sind DO acred limb DTRB JS7 man ORP 237 (41) WL M PID WQ M TURB OTHE ORP 2010 (100)	ALCA 1333 - 3131, 0.000 + 0.000) ALCA 333 - 133, 0.000 + 0.000) ALCA 333 - 133 ALCA 333 - 133 ALCA 333 - 133 ALCA 333 - 133 ALCA 34 - 133 ALCA 433 - 13	
PERISTA PERISTA SUBMER BLADDE OTHER OTHER NALYTICAL	COCUMENTATIO OCCUMENTATIO (PE OF PUMP ALTIC RSIPLE ER RA L PARAMETERS PARAMET PARAMET VOCS		HGRCH DECON PLUIDS USED LIQUINOX DEIONIZED WATER NOTABLE WATER NOTABLE WATER NOTABLE WATER METHANOL OTHER A COMOX METHOD NUMBER \$270 CO10B/7470A	SILICON T TEPLON T	TUBING TUBING UBING UBING UBING UNIG PRESEB MET	EMPHBLADDER MA S ST FVC GEO TEPH OTH OTH OTH RVATION RVATION R	22-13- TERIALS EEEI PUMP MATERIA PROFESCREEN ON BLADDER ER ER ER ER		COND 35 mm PH assess tests DO assess DO	R(G. 1333-133, 0.00 + 0.00) R(G. 333-133, 0.00 + 0.00) R(G. 335-133, R(G. 335-133, R(G. 335-135, R(G. 135-135, R(G. 135-	
VALUTICAL	COCUMENTATIO OCCUMENTATIO (PE OF PUMP ALTIC RSIPLE ER RA L PARAMETERS PARAMET PARAMET VOCS		HETHOD NUMBER S270	SILICON T TEPLON L TEPLON L DOFE TOR LOFE TOR OTHER OTHER FIELD FIL TERED	TUBING TUBING UBING UBING UBING ING PRESEB MET	CAMPBLADDER MA S ST PVC GEO TEP OTH OTH OTH OTH OTH OTH	2273 TERIALS TEL PUMP MATERIA PROBE SCREEN LON BLADDER ER ER ER ER EQUIRED CO	SAMPLE SAMPLE DULECTED	COND 35 mm PH assess tests DO assess DO	R(G. 1333-133, 0.00 + 0.00) R(G. 333-133, 0.00 + 0.00) R(G. 335-133, R(G. 335-133, R(G. 335-135, R(G. 135-135, R(G. 135-	
IPMENT DO	CUMENTATIO OCUMENTATIO (PE OF PUMP ALTIC RSIBLE ER RA L PARAMETERS PARAMET /OCS tals		HGRCH DECON PLUIDS USED LIQUINOX DEIONIZED WATER NOTABLE WATER NOTABLE WATER NOTABLE WATER METHANOL OTHER A COMOX METHOD NUMBER \$270 CO10B/7470A	SILICON T TEPLON T	TUBING TUBING UBING UBING UBING UNIG PRESEB MET	CAMPBLADDER MA S ST PVC GEO TEP OTH OTH OTH OTH OTH OTH	2273 TERIALS TEL PUMP MATERIA PROBE SCREEN LON BLADDER ER ER ER ER EQUIRED CO	SAMPLE SAMPLE	COND 35 mm PH assess tests DO assess DO	R(G. 1333-133, 0.00 + 0.00) R(G. 333-133, 0.00 + 0.00) R(G. 335-133, R(G. 335-133, R(G. 335-135, R(G. 135-135, R(G. 135-	
IPMENT DO	CONTRACTOR PUMP ALTIC REDEPUMP ALTIC REPLE ER ER ER ER ER ER PARAMETERS PARAMET FOCS FAS		HGrGH DECONPLUIDS USED LIQUINOX DEIONIZED WATER NOTABLE WATER NOTABLE WATER NOTABLE WATER NOTABLE WATER OTHER AICONOX METHOD NUMBER 8270 6010B/7470A 82.COD 53.77	SILICON T TEPLON L TEPLON L DOFE TOR LOFE TOR OTHER OTHER FIELD FILTERED	TUBING TUBING UBING UBING UBING ING PRESEB MET	EXATION R	2273	SAMPLE SAMPLE DULECTED	COND 35 mm PH assess tests DO assess DO	R(G. 1333-133, 0.00 + 0.00) R(G. 333-133, 0.00 + 0.00) R(G. 335-133, R(G. 335-133, R(G. 335-135, R(G. 135-135, R(G. 135-	
TO PERUSTA SUBMER BLADDE WATTER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER	COCUMENTATIO COCUMENTATIO REDEPLIMP ALTIC RSIBLE ER EA L PARAMETERS PARAMET PARAMET PARAMET PARAMET PARAMET PARAMET PARAMET PARAMET PARAMET PARAMET PARAMET PARAMET PARAMETERS PARAMET PARAMETERS PARAMET PARAMETERS PARAMETE		HGrGH DECONPLUIDS USED LIQUINOX DEIONIZED WATER NOTABLE WATER NOTABLE WATER NOTABLE WATER OTHER AICONOX METHOD NUMBER 8270 6010B/7470A 82.CGD 53.77 See Notes	SILICON T TEPLON L DIFF TUR OTHER OTHER FIELD FILTERED		AVATION R	2773 TERIALS TERIALS TRAMP MATERIA PROFESCREEN LON BLADDER ER ER ER ER ER ER ER ER ER	SAMPLE SAMPLE SULECTED 20 ML 20 ML	COND 357 mm PfL assert infb DO asserts infb PLD infb PLD infb OTRE 157 mm QC COLLECTE	ALCA 333 - 313, 0,800 + 0,600, 100, 353 - 15, 0, 0, 0, 15, -15, 0, 0, 0, 15, -15, 0, 0, 0, 15, -15, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,	
WATTER OTHE OTHER	CONTRACTOR CALLER CALTIC ASTRILE ER ER ER ER ER ER ER ER ER E	ER	HG. C.H. DECON PLUIDS USED LIQUINOX DEIONIZED WATER NOTABLE WATER NOTABLE WATER NOTABLE WATER NOTABLE WATER METHADOL OTHER AICONOX METHOD NUMBER 8270 CO10B/7470A 82COD 53.77 See Notes 8270E ST NUMBER OF GALLO	SILICON I TEPLON L ROFE TVE LOPE TVE LOPE TVE LOPE TVE LOPE TVE LOPE TVE LOPE TVE LOPE TVE LOPE TVE LOPE TVE SILICON I TEPLON L ROFE TVE SILICON I TEPLON L ROFE TVE LOPE TVE SILICON I TEPLON L ROFE TVE LOPE TVE SILICON I TEPLON L ROFE TVE LOPE TVE SILICON I TEPLON L ROFE TVE LOPE TVE SILICON I TEPLON L ROFE TVE SILICON I SILICON I SILIC			2273	SAMPLE SAMPLE SOLLECTED 20 Jul Com L 20 ML	COND 357 mm     Reserved tends     DO asserved tends     DO a	ALC, 1313 - 112, 0,80 + 0,6%) (a, 3,53 - 1,5) (a, 3,51 - 1,5) (a, 3,51 - 1,5) (a, 3,51 - 1,5) (a, 1,51 - 1,6) EQUITMENT USED METER <u>Care 2000</u> METER <u>1446.47 21000</u> P ER ER ER ER ED NUMBERS	
WATTER OTHER OTHER OTHER ALYTICAL WA Wall COMER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER TALYTICAL	CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CASES		HGRCH DECONPLUIDS USED LIQUINOX DEIONIZED WATER NOTABLE WATER NOTABLE WATER NOTABLE WATER TOTABLE WATER OTHER AICONOX METHOD NUMBER 8270 0010B/1470A 82200 0010B/1470A 8270 53.77 See Notes 8270E ST See Notes 8270E ST NUMBER OF GALLO GENERATED If yes, porged approximation	SILICON T TEPLON I TEPLON I TELO I N I I I I I I I I I I I I I I I I I I			2273	SAMPLE SAMPLE SOLLECTED 20 Jul Com L 20 ML	COND 357 mm     Reserved tends     DO asserved tends     DO a	ALC, 1313 - 112, 0,80 + 0,6%) (a, 3,53 - 1,5) (a, 3,51 - 1,5) (a, 3,51 - 1,5) (a, 3,51 - 1,5) (a, 1,51 - 1,6) EQUITMENT USED METER <u>Care 2000</u> METER <u>1446.47 21000</u> P ER ER ER ER ED NUMBERS	
WATTER OTHE OTHER	CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CASES		HG. G.H. DECON PLUIDS USED LIQUINOX DEIONIZED WATER NOTABLE WATER NOTABLE WATER NOTABLE WATER OTHER AICONOX METHOD NUMBER 8270 CO10B/7470A 82/COD 53.7 See Notes 8270E ST See Notes 8270E ST NUMBER OF GALLO GENERATED If yes, parged approximate to sampling or	SILICON T TEPLON L TEPLON L TEPLON L DOFE TO LOFE TO COTHER OTHER FIELD FILTERED NNS ~2.5 M M M M M M M M M M M M M M M M M M M	TUBING TUBING TUBING UBING UNED TUBING UNG PRESER MET ICC		2273	SAMPLE SAMPLE SOLLECTED 20 Jul Com L 20 ML	COND 357 mm     Reserved tends     DO asserved tends     DO a	ALCA 333 - 313, 0,800 + 0,600) ALCA 333 - 313, 0,800 + 0,600) ALCA 335 - 133 ALCA 355 - 133	
WATTER OTHER OTHER OTHER ALYTICAL WA Wall COMER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER TALYTICAL	COLUMENTATIO OCCUMENTATIO REDEPUMP ALTIC REPLE ER ER PARAMETERS PARAMET PAR		HG. G.H. DECON PLUIDS USED LIQUINOX DEIONIZED WATER NOTABLE WATER NOTABLE WATER NOTABLE WATER OTHER AICONOX METHOD NUMBER 8270 CO10B/7470A 82/COD 53.7 See Notes 8270E ST See Notes 8270E ST NUMBER OF GALLO GENERATED If yes, parged approximate to sampling or	SILICON T TEPLON I TEPLON I TELO I N I I I I I I I I I I I I I I I I I I	TUBING TUBING TUBING UBING UNED TUBING UNG PRESER MET ICC		2273	SAMPLE SAMPLE SOLLECTED 20 Jul Com L 20 ML	COND 357 mm     Reserved tends     DO asserved tends     DO a	ALC, 1313 - 112, 0,80 + 0,6%) (a, 3,53 - 1,5) (a, 3,51 - 1,5) (a, 3,51 - 1,5) (a, 3,51 - 1,5) (a, 1,51 - 1,6) EQUITMENT USED METER <u>Care 2000</u> METER <u>1446.47 21000</u> P ER ER ER ER ED NUMBERS	
IPMENT DO	COLUMENTATIO OCCUMENTATIO REDEPUMP ALTIC REPLE ER ER PARAMETERS PARAMET PAR		HG. G.H. DECON PLUIDS USED LIQUINOX DEIONIZED WATER NOTABLE WATER NOTABLE WATER NOTABLE WATER NOTABLE WATER OTHER AICONOX METHOD NUMBER 8270 CO10B/7470A 82/COD 53.77 See Notes 8270E ST See Notes 8270E ST NUMBER OF GALLO GENERATED If yos, pargual approximate to sampling or	SILICON T TEPLON L TEPLON L TEPLON L DOFE TO LOFE TO COTHER OTHER FIELD FILTERED NNS ~2.5 M M M M M M M M M M M M M M M M M M M	TUBING TUBING TUBING INED TUBING INED TUBING INED PRESER MET ING	E Cambily - TCL Charles Control - TCL Control - T	2273	SAMPLE SAMPLE DILLECTED 20 pm L 20 pm L 20 pm L 20 pm L 20 pm L 20 pm L	COND 357 mm     Reserved tends     DO asserved tends     DO a	ALC, 1313 - 112, 0,80 + 0,6%) (a, 3,53 - 1,5) (a, 3,51 - 1,5) (a, 3,51 - 1,5) (a, 3,51 - 1,5) (a, 1,51 - 1,60) EQUITMENT USED METER	

+

1	PROJECT NAME		Franklin Cleaner		1.0	CALIONID		ATE ,		1
	PROJECT NI MBE				E	SMW	-3 (		12021	
-	SAMPLE ID .		3616206123.0			160		16	25	
L		V-3		630	F	canklin (	leaners	LO	. 1	
LL DIAM	ETER (INCHES)	X	12 -4		-	OTHER			_	WELL INTEGRITY YES NO N'A
ING ID (	INCHES)	X13 [	1/4	112	358	OTHER			CAP	5 = -
	ENT POINT (MP)	TOP OF	FRISER (TOR)	TOP OF CASIN	оптосі 🗌	OTHER			LOCKED	¥ = =
NITIAL D BMP)	140	SC FT	FINAL DTW (EMP)	20,54		OT. CASING ICKUP (AGS)	-NV	MFT	TOC/TOR DIFFERENCE	_NW_FT
WELL DF (BMP)	9	O FT	SCREEN LENGTH	10	FT AM	) IBIENT AIR	0	PPN(	REFILL TIME SETTING	R SEC
WATER	69.	44 m	DRAWDOWN	-0,003	CAL MC	WELL	0	PPM	DISCHARGE	NG SEC
CALCUL		39 GAL	(minual DTW- final D TOTAL VOL	TW X well diam squar	ed X 0.041)	AWDOWN			TIMER SETTI	
	well dismeter squares	(X 0 041)	PURGED (mL per minute X to	al minutes X 0 00076 m	GAL TO	TAL PURGED	-0,009	16	TO PUMP	PSI
TIME	DTW (FT) 0.0-0.33 ft	PROGRAM STA	TEMP (C)	ERIA (AS LISTED IN	E		Income	REDOX	PUMP	
5 Minutes	Drawdown	(mL/min)	(+/- 3 degrees)	(mS/cm) (+/- 3%)	pH (umts) (+/- 0 1 umits)	DISS O <sub>2</sub> (mg/L) (+/- 10%)	TL'RBIDITY (min (*/-10% <10 min	1) (max)	INTAKE	COMMENTS
100	BEGIN PURC		10		10			1.4		
05	20,56	100	10.71	0,288	5,57	19.26	160	69.9	85	
AC SEC	20130	100	15,48	0:293	5.57	9.90	0,90	621	85	
MA	2051	100	15.37	01511	560	10,47	0.60	1618	85	
ne	2004	100.	151.58	0.516	5,63	10,69	1.22	161.8	85	
40	CCr09	100	15,25	0.317	5.63	10,79	0,54	1627	82	
		-			-	-	-	-		
_		-	-		-					
			-		-			-		
					-			-		
			15	0.317	5.6	10.5	0.5	160		
_	FL	NAL STABILI		AMETERS (to app		1.2.2.2	1	1100	TEMP search dope	x (cx, 10 1 = 10) 1 3333 = 1130, 0.6% = 0.6%)
00	~		15,25	Bait	502			110 7	pH scarest testh (cx. DO searest testh (cx.	\$ 53 = 5 5) 3 51 = 3 5)
UIPMENT	DOCUMENTATIO	N	10,60	Desil	P165	10.79	0,54	16Lol	ORP 2 SF (44 ) = 44	rest tenth (6.19 = 6.2, 101 = 101) , 101 = 190)
PERI SUBA BLAJ		- 1	DECON FLUTDS USED LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER ALCOID	HDPE TU LDPE TU OTHER	TUBING TUBING LINED TUBING BING	PVC P GEOP	EL PUMP MATERIAL UMP MATERIAL ROBE SCREEN ON BLADDER R		WI METE	RUPARENT LISED R ATTAT ROLE 2000 RYSE 555 MAPS TER 144447 2103 Q NO TYPE
	CAL PARAMETER PARAME	5	METHOD	FIELD				AMPLE	QC	SAMPLE BOTTLE ID
ANALYTI	SVOCs		NUMBER 8270	FILTERED	MET	HOD RE	QUIRED COL	TECLED	COLLECTED	NUMBERS
ANALYD			6010B/7470A	0				-		
	Metais		8260	0 N	- #	e R	OML _	4	-	
INALYT	VOCS		551			- 4	A 4 14	V		
INALYT	VOCS PEAS Water Chemistry		537 See Notes		-		Sector Sector			
INALYT	VOCS PEAS Water Chemistry	xane.		IM N	je	e 5	DOAL	1	-	
KK	VOCS PEAS Water Chemistry 1,4-dio	cane.	See Notes	IM N			OBAL _			
PURGE O PURGE W CONTAIN NO-PURG	VOCS PEAS Water Chemistry 14-dio RESERVATIONS ATER VES ERIZED E E METHOD VES	1 Nor	See Notes	1/	8 Wate 19012 7M452 1040;	KETCH/NOTES r Chemistry = 7C1 VG Patiender/Hattenkor - D	C1-USEPA 1244: SVUC SEPA 8081, Total suppor	aded withds - SM25	40D Total chamilyed w	110, Marcary - USEPA 7470, Takai PCIh - USEP hdr. USEPA 1960 1, Takárnal organi denand - nal organis onnient - USEPA 415 1, pH - USEPA
PURGE O PURGE W CONTAIN NO-PURG UTILIZED	VOCS PEAS Water Chemistry 14-dio BESERVATIONS ATER YES ERIZED E METHOD YES Grant	NO.	See Notes B2_70 E S NUMBER OF GALL GENERATED If yes, purged approxim	.ONS ~1/2 atc/y1 scareting volume pr mil. for this sample loc	9012, 7045; 107 1040; ation.	KETCH/NOTES r Chemistry = 7(1) VG Patiender/I fattension = 11 10B, interthierpic = SM4k	C1-USEPA 1244: SVUC SEPA 8081, Total suppor	aded withds - SM25	40D Total chamilyed w	hely . USEPA 160 I The terral second second
PURGE O PURGE O PURGE W CONTAIN NO-PURG INTLIZED	VOCS PEAS Water Chemistry 14-dio RESERVATIONS ATER YES ENCETHOD YES EMETHOD YES grature Smill	NO.	See Notes B270 E S B270 E S NUMBER OF GALL GENERATED If yes, puined approach to sampling or Cupinit Name	.ONS ~1/2 atc/y1 scareting volume pr mil. for this sample loc	tor noton dicc.ro	KETCH/NOTES r Chenkery = TCL VG Patiendes/Tetheskes - D 108, time thierine: SM4 Total Cyansile 9012A	Cs - USEPA 1041; SVUC SEPA 1081; Total susper 00-C2; sulasity - ASTM I	alori milidy - SAI25 022977, od and pra	40D Total chamilyed w	hely . USEPA 160 I The tread on one demond
PURGE O PURGE O PURGE W CONTAIN NO-PURG ATTILIZED	VOCS PEAS Water Chemistry 14-dio RESERVATIONS ATER YES ENCETHOD YES EMETHOD YES grature Smill	NO.	See Notes B2_70 E S NUMBER OF GALL GENERATED If yes, purged approxim	.ONS ~1/2 atc/y1 scareting volume pr mil. for this sample loc	tor noton dicc.ro	KETCH/NOTES r Chemistry = 7(1) VG Patiender/I fattension = 11 10B, interthierpic = SM4k	Cs - USEPA 1041; SVUC SEPA 1081; Total susper 00-C2; sulasity - ASTM I	aloci mitodis - SM25 229977; cut and prot	400. Total daardiyed so so: -1/SEPA (064A, Tu	hely . USEPA 160 I The tread on one demond

	IECT NAME		Franklin Clean	W FLOW GRO	1	ASMW-	10	07/07	12021	1
PRO.	JECT NUMBE	R	36162061	23	57	START TIME END TIME			1004	1
SAY	SMU	J-4		MIPLE TIME		TE NAME/NUMBE 13005	R P	ISZ(		
LL DIAMETEI	R (INCHES)					OTHER				WELL INTEGRITY YES NO N/A
HING ID (INCH	TES)	XIII C				OTHER			CAP CASING	¥ Z =
ASUREMENT	POINT (MP)	TOP O	FRISER (TOR)	TOP OF CASIN	0 (TOC)	OTHER			COLLAN	<u> </u>
NITIAL DTW BMP)	20		FINAL DTW (BMP)	20,5		TCKUP (AGS)	NN	1 FT	TOC/TOR DIFFERENC	E NUM FT
WELL DEPTH BMP)	110	D FT	SCREEN LENGTH	10	Pil	D IBIENT AIR	0.0	PPM	RÉFILL TIM SETTING	ER SEC
OLUMN	89	.51 .	DRAWDOWN	0.008	2	D WELL DUTH	0.0	PPM	DISCHARGE TIMER SETT	
CALCULATED		19	VOLUME (final DTW - imital TOTAL VOL.	DTW X well duam squar	red X 0 041) DR	AWDOWN	0.126		PRESSURE	
column X well d	liameter square	GO GAL d X 0.041)	PURGED (ml. per minute X.)	otal minutes X 0 00026 g	al/mL)	TAL PURGED	VILLE		TO PUMP	PSI
TIME (	TW (ft.)	PROGRAM STA PURGE RATE (niL/min)	TEMP (C)	SP CONDUCTANCE (mS/cm)	pH (units)	DISS 02 (mg/L)	TURBIDITY (NTU)	REDOX (mv)	PUMP	COMMENTS
-	(0.3 ft.) EGIN PURC	(100-400 mLinus	178814	(3%)	(+/- 0 ( emit)	(10%)f>0.5 mg/L)	(10% sf>5 NTU)		DEPTHI(ft.)	
007	0.49	100	17/1	M 100	5.45	8.57	14.6	1973	105	
05 20	0,54	100.	17.01	0.690	5,42	7.01	18.8	196.4	105	
11020	3,56	100	16.86	0.691	5.41	7.02	28,2	195.8	105	
15 20	1,55	100	16,78	0,692	5,35	7.29	39.2	195,9	105	
2020	0,54	100	16,77	0.693	5,33	7.39	35,6	195,8	105	
					-					
					/					
-										
	- 1		/							
			17	0.693	5.3	7.4	35.6	200	TEMP. neumst deg	ree (ex. 10.1 = 10)
	FIN			AMETERS (to appr					COND 3 SE max (	rs. 3333 ~ 3330, 0.656 ~ 0.686)
120 PMENT DOCU	MENTATION		16.11	0.693	300	1,57	20.6	17518	TURB 3 SF mas, se ORP 2 SF (44.1 - 4	rannak (m.19.19-(6.2, 101-70)) 4(.191-190)
TYPE O	P PUMP		CON FLUIDS USED IQUINOX	SILICON T	UBING		L PUMP MATERIAL		X WI MET	OUTPMENT USED
SUBMERSIE BLADDER	\$	P	EIONIZED WATER OTABLE WATER ATRIC ACID	TEFLON II TEFLON LI HIDPE TUBI	NED TUBING	GEOPRO	MP MATERIAL OBE SCREEN I BLADDER		WQ MET	Mini Rove 2000 ER YSZ 556 MPS ETER HEACH 2000
WATTERA		E E	EXANE ETHANOL	LIDPE TUBI OTHER	NŐ	OTHER		_	V PUMP OTHER	~
OTHER ALYTICAL PA	RAMETERS	- 12 0	METHOD	FIELD	PRESERV	ATION VOI	UME SA	MPLE	OC	SAMPLE BOTTLE ID
X. VOCS	PARAMETE	ER	NUMBER 8260	FILTERED	METH HCL 4°C				COLLECTED	NUMBERS
1.4-Di			8270 SIM	N	4°C	50	ame _	Z	1	_/_
PFAS			537	N	4°C	50	oml _	L .		
								-		
GE OBSERVA	TIONS	NO Y	NUMBER OF GALL	NS ~1/2		METCHINOTES	leasure	1 - toras	100 AL	
GE WATER TAINERIZED		X	JENERATED	-1-	T	m = pust pv	easweet	1		
PURGE METHO		X	o sampong or	nely i mandrug solume prior mL for this sample locate	1		124 00			
	c	lun		mili Puco	io					
er Signature			12							
er Signature g	mill.	dul21	Date:		-					

	LOW FLOW GRO	DUNDWATERS	AMPLING RE	CORD	
PROJECT NAME	Franklin Cleaners	LOCATION ASA START TIM	1W-5	07/07/20	21
STYPLE ID	3616206123	1250 SITE NAME	the second se	PAGE OF 1	
LASMW-5		Ja DOTHER		1 1 1	WELLINTEGRITY YES NO NA
LL DIAMETER (INCHES) 1 ( ING ID (INCHES) 1 ( ASUREMENT POINT (MP) 1 ( ASUREMENT POINT (MP) 1 ( ASUREMENT POINT (MP) 1 ( MTIAL DTW 2,50 FT WATER 1 ( CALCULATED 1 ( CAL	)14     3.8     1.7       RISER (TOR)     TOP OF CASE       FINAL DTW (BMP)     21,55       SCREEN     21,55       LENGTH     0       DRAWDOWN VOLUME (Intal DTW - initial DTW X well data). ggu TOTAL VOL PURGED     0,00026       ord. per structs X total memoter X 0.00026	SA OTHER SG (TOC) OTHER PROT. CASE FI STICKUP (A FI AMBIENT A PID FI WELL MOUTH and X (0.(41)) DRAWDOW TOTAL PUR [palmL]		C LL CC TOCT DIFFE PPM SETTI PPM DISCH PPM DISCH	NF SSING SSING SSING DULAR RENCE IN NG SEC ARGE ISETTING SEC URE
TIME DTW (ft.) PURGE RATE (mL/min) (100-400 mL/min)	TEMP. (°C)         SP CONDUCTANC (mSicm)           (3%)         (mSicm)	SE .	0.5 mg/L) TURBIDET (NTU) (10%412-5 NT	(inv) INT	KE COMMENTS
00 21,55 100 05 21,54 100 010 21,56 100 015 21,56 100 020 21,55 100	18,56 0,352 18,41 0,351 18,10 0,353 18,14 0,353 18,07 0,353	4.90 G. 4.99 3.0 4.95 3.0 4.95 3.0 4.95 2.0	11 12.5 05 4.72 07 4.08 07 3.09 46 4.32	179.9 125 2 169.2 12 164.5 12 161.6 12 - 159.4 12	5 7 8 8 8 
	18 0.353 EED FIELD PARAMETERS (to app	1110	ures[SF])	) COND 3 pH mates	anest degree (cc. [0.1 = 107) SF max (cc. 3133 = 3350; 0.60% = 3.00%) (seeb (cc. 5.51 = 5.5) (seeb (cc. 5.51 = 5.5)
320 IPMENT DOCUMENTATION	18,07 0,353	9,95 2,1	16 4.32	- 1590 TURB 35 ORP 255	Frank, maarinel leesth (ö. 19 = 6.2, 171 = 101) 644 ( = 44, 191 = 199)
VERISTALTIC VURMERSTILLI BLADDER WATTERA OTHER OTHER	DEIONIZED WATER TEFLON	JBING	20 MATERIALS S STEEL PUNP MATER PVC PLAP MATERIAL DEOPROBE SCREDN TEFLON BLADDER OTHER OTHER OTHER		ECONTRAINT INFO AL METTER
VOCs  PARAMETER  VOCs  PAS  PAS  PAS  PAS	METHOD NUMBER         FILTERED           8260         FILTERED           537		VOLLME REQUIRED 20112 SOO142 SOO142	SAMPLE OC OLLECTED COLLEC	
ONTAINERIZED DE NO O-PLIRGE METHOD YES NO TILIZED DE NO	NUMBER OF GALLONS ~ 1/2 GENERATED Unes, propul errenometh 1 standard endate p manipular the data samples that a the thir sample that a th	alor otova	Not Meysive	d	
necked by flaulf stude	Das 07/07/2021			2.1.1	
MAANTE(	7			LOW FLOW CR	FIGURE 4.17 OUNDWATER SAMPLING RECORD

	ECT NAME		Franklin Cleane	rs	12	CATION ID	C		10-01	1
PROJ	PROJECT NUMBER 3616206123.00				ST	START TIME		END TIME		1
A	SML	1-0	sy	200	sr	13005		GE OF	1	-
LL DIAMETER	1.1		12 1		1. 5	TOTHER	0	1 01		WELL INTEGRITY
ING ID (INCH		X In C	1/4 1/8		3/8	OTHER			CAP	y
ASUREMENT P	POINT (MP)	TOP O	FRISER (TOR)	TOP OF CASING	5 (TOC)	OTHER			LOCKEL	4
NITIAL DTW BMP)	21	30 FT	FINAL DTW (BMP)	21.41		OT. CASING ICKUP (AGS)	-NA	A <sub>FT</sub>	TOC/TOR DIFFERENC	E -NM FT
VELL DEPTH BMP)	13	2 п	SCREEN LENGTH	10	FT AN	) IBIENT AIR	0.0	PPM	REFILL TIM	IERSEC
OLUMN	lic	).7 m	DRAWDOWN VOLUME	0.018	PU	O WELL	O.A	PPM	DISCHARGE	
ALCULATED	18.	IC	Contral DTW- final D TOTAL VOL.	TW X well diam square	d X 0.041)	AWDOWN	A 405	2	TIMER SETT	
olumn X well di				tal minutes X 0.00026 g	il/mL)	TALPURGED	0,020		TO PLMP	PSI
IME D Minutes 0	TW (FT) 0-0 33 (t rawdown	PROGRAM ST/ PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	ERIA (AS LISTED IN SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/-0.1 units	DISS O <sub>2</sub> (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 atu)	(1779)	PUMP INTAKE	COMMENTS
21 в	EGIN PUR	GING	1000					(+/~10 mv)	DEPTH (f)	Manual and
152	130	100	23,64	0,384	4.57	4,20	26,5	153,8	125	
35 2	100	100	25.62	01582	4.53	3.65	33,9	156,6	125	
102	127	100	may	0.300	104	2.31	23.8	1540	125	
457	1.41	100	2219	0,202	7103	5+13	24.5	1023	125	
10 4	10/1	100	2000D	0,282	7,51	2104	2607	1645	123	
	-					/				
						1981	0.25			
-				/			4	12		
			/	-					-	
	FIN	AL STADU	TED FIELD DAD	ANTERS (				1 de la	TEMP nearest de	gree (ex. 10.1 = 10)
		ALSTABIL	1	AMETERS (to appr	opriate sign				COND. 3 SF max pH nearest tenth ( DO nearest tenth (	(ex. 1113 = 1130, 0.096 = 0.696) ex. 553 = 5.5) ex. 151 = 1.5)
PMENT DOCU		N	24	0.382	1.5	2.1	26,4	170	TURB: 3.5F max_1 ORP-2.5F (44.1 *	searaid tenth (6.19 = 6.2, 101 = 101) 44, 191 = 190)
TYPE O PERISTALTIC SUBMERSIBI BLADDER			DECON FLUIDS USED LIQUINOX DEIONIZED WATER POTABLE WATER	SILICON T TEFLON T	UBING	PVC P	EL PUMP MATERIAL UMP MATERIAL		WLME	EQUIPMENT USED TER
WATTERA		- 8	NITRIC ACID HEXANE	HDPE TUE	ING		ROBE SCREEN IN BLADDER R		TURB P	
OTHER			OTHER A COUCX	OTHER		OTHES OTHES			OTHER	
SVOC	PARAMET		METHOD NUMBER 8270	FIELD FILTERED				MPLE	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
Metals	n		6010B/7470A		-11			-		
Y YE	45		537	$\frac{N}{N}$	H	le V	ML 1	4	V	ASMW-G-MS/NSD
the second	Chemistry		See Notes						V	ADMW-6-MSYMS
Water	- diox	ane	8270E	SIM N		e 51	Oml _	V_	~	ASMW-G-MS/MS
Z 1,4	and the second s	6	NUMBER OF GALL	ons ~1/2		KETCH/NOTES	Contraction and an and an and an and an and an	10		and the second second
RGE OBSERV	ATIONS	NU	and the second second second second	16		Probables/Hertscoles - 10 1001, See obligate - SM 0	SUTA 1091, Total outpen SULCE minuty - ASTM	dol solida - SM25 12917, oil and grou	NO. Metals - UNEP/ MO, Total disclose oc - UNEPA 1664A	6010 Mercary - USEPA 7470 Total PCDa - USE I salida - USEPA 160 E. Bacterial oxyget domand - Total regionic ordeni - USEPA 415.1, pl1- USEP.
RGE OBSERVA RGE WATER NTAINERIZED	Y	NO	GENERATED	nety I stapping and and and		Total Complements	and the second second	Address of the owner of the owner.	Contraction and	Total regards content - USEPA 415 1, pH - DNEP.
RGE OBSERVA RGE WATER NTAINERIZED -PURGE METH	Y	N≊ X33	A STATE OF STATE	noly 1 standing volume pro mL for this sample local	9540 ion		1-1944 - O.S		1847 17 19 18 18 18 18 18 18 18 18 18 18 18 18 18	Total regional condent - USEPA 415 1, pH - USEP.
RGE OBSERVA RGE WATER NTAINERIZED -PURGE METH LIZED	Y	· Juc	If yes, purged approxime	mt. for this sample local	9540 ion		1-1944 - O.S		1847 17 19 18 18 18 18 18 18 18 18 18 18 18 18 18	Total regional condent - USEPA 415 1, pH - USEP.
RGE OBSERV. RGE WATER NTAINERIZED -PURGE METH ILIZED upler Sugnature {	Y	· Juci	If yes, purged approxima to sampling or Webmat Name E		9540 ion	MS/MS MS/MS	1-1944 - O.S		1847 17 19 18 18 18 18 18 18 18 18 18 18 18 18 18	Total regional condent - USEPA 415 1, pH - USEP.

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UIPMENT DOCUMENTAT TYPE OF PUNP PERISTALTIC SUBMERSIBLE ELADDER WATTERA OTHER OTHER ANALYTICAL PARAMETE	J-7 FT FT FT CAL Wed X 0 04J) H PROCRAM ST (mL/min)	2 4 D4 3m CREER (TOR) FINAL DTW (BMP) SCREEN LENGTH DRAWDOWN VOLUME (milla DTW- final D TOTAL VOL. PURGED (mL per minute X to ABILIZATION CRITE TEMP (°C) (+-3 degrees)	DPUE TIME DP35 6 1/2 TOP OF CAS	GAL 26 gal/mL) IN THE QAP NCE pH (or (+ -0.1	DRAWDOWN TOTAL PURC PP) Inits) DISS O <sub>2</sub> (*/-1	G 51 R (mgL) (1/1 (mgL) (1/1	7 0	FT PPM	CAP CASING LOCKED COLLAR TOCTOR DIFFERENCE REFILL TIMER SETTING DISCHARGE TIMER SETTING PRESSURE TO PLMP NTAKE	R	
ESAMPLE IP ASA ESAMPLE IP ASA ESAMPLE IP EASUREMENT POINT (MP EASUREMENT POINT (MP INITIAL DTW (BMP) WATER COLUCULATED GAL/VOL CALCULATED GAL/VOL CALCULATED GAL/VOL COLUCULATED GAL/VOL COLUCULATED GAL/VOL COLUCULATED GAL/VOL COLUCULATED GAL/VOL COLUCULATED GAL/VOL COLUCULATED GAL/VOL COLUCULATED GAL/VOL COLUCULATED GAL/VOL COLUCULATED GAL/VOL COLUCULATED GAL/VOL COLUCULATED DTW (FT) S Minutes DTW (FT) S Minutes DTW (FT) S Minutes DTW (FT) S Minutes DTW (FT) S Minutes DTW (FT) S Minutes COLUCULATED	J-7 FT FT FT CAL Wed X 0 04J) H PROCRAM ST (mL/min)	2 4 2 4 2 4 2 4 2 4 2 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5	TOP OF CAN TOP OF CAN TOP OF CAN TOP OF CAN DTW X well diam seg ordal minutes X 0.0000 ERIA (AS LISTED SP CONDUCTAN (mS(cm) (+f-355)	FT GAL quared X 0.04) GAL 76 gal/mL) ON THE QAN NCE pH (ur (+-0.1	DID AND DESS 0, 1991	G 51 R (mgL) (1/1 (mgL) (1/1	PA	CP CF CF	CAP CASING LOCKED COLLAR TOCTOR DIFFERENCE REFILL TIMER SETTING DISCHARGE TIMER SETTING PRESSURE TO PLMP NTAKE		FT
ELEMENT POINT (MIR INITIAL DTW (IMMP) WELL DEPTH (BMP) WATER COLUMN CALCULATED GALIVOL Lettinn X well drameter squa FIELD PARAMETERS WIT TIME DTW (FT) BEGIN PU 9/35 Minutes Drawdown BEGIN PU 1/35 Minutes Dr	FT FT GAL GAL GAL WEGX 0 041) HI PROGRAM ST (mL/min)	2 4 D4 3m CREER (TOR) FINAL DTW (BMP) SCREEN LENGTH DRAWDOWN VOLUME (milla DTW- final D TOTAL VOL. PURGED (mL per minute X to ABILIZATION CRITE TEMP (°C) (+-3 degrees)	DP35 B DP 35 DT0P OF CAS DTW X well diam so ordal minutes X 0.0007 ERIA (AS LISTED SP CONDUCTAN (+f-355)	FT GAL quared X 0.04) GAL 76 gal/mL) ON THE QAN NCE pH (ur (+-0.1	DID AND DESS 0, 1991	G 51 R (mgL) (1/1 (mgL) (1/1	RBIDITY (eta)	FT FT PPM REDOX (m)	CAP CASING LOCKED COLLAR TOCTOR DIFFERENCE REFILL TIMER SETTING DISCHARGE TIMER SETTING PRESSURE TO PLMP NTAKE		FT
BING ID (INCIDES EASUREMENT POINT (MP INITIAL DTW (BMP) WELL DEPTH (BMP) WATER COLUMN CALCULATED GALIVOL Lectron X well dramster spu TIELD PARAMETERS WIT TIME DTW (FI) DTW	FT FT GAL GAL GAL WEGX 0 041) HI PROGRAM ST (mL/min)	FINAL DIW (BMP) SCREEN LENGTH DRAWDOWN VOLUME (mill DTW-final D TOTAL VOL. FURGED (mil. per minule X to ABILIZATION CRITI TEMP. (°C) (+'-3 degrees)	DTW X well duam so otal minutes X 0.0007 ERIA (AS LISTED SP. CONDUCTA) (mS/cm) (+/-3%)	FT GAL quared X 0.04) GAL 76 gal/mL) ON THE QAN NCE pH (ur (+-0.1	PROT. CASIN STICKLPACE PID AMBIENT AU PID WELL MOUTH DRAWDOWN TOTAL PURC PP) DISS 0; (*/-1	8) R ED (mpl) (t/) (*/)		PPM FPM REDOX (mv)	CAP CASING LOCKED COLLAR TOCTOR DIFFERENCE REFILL TIMER SETTING DICTLARGE TIMER SETTING PRESSURE TO PLMP INTAKE		FT
EASUREMENT POINT (MF INTIAL DTW (IBMP) WELL DEPTH (BMP) WATER COLUMN CALCULATED GAL/VOL Leettiin X well drameter square FIELD PARAMETERS WIT TIME DTW (FT) 0-0-033 Drawdown BEGIN PU 0-0-033 Drawdown BEGIN PU 0-0-033 Drawdown BEGIN PU 0-0-034 Drawdown BEGIN PU 0-0-044 Drawdown BE	PT PT GAL GAL WERD X 0.041) H PROCRAM ST (mL/min)	FINAL DIW (BMP) SCREEN LENGTH DRAWDOWN VOLUME (mill DTW-final D TOTAL VOL. FURGED (mil. per minule X to ABILIZATION CRITI TEMP. (°C) (+'-3 degrees)	DTW X well duam so otal minutes X 0.0007 ERIA (AS LISTED SP. CONDUCTA) (mS/cm) (+/-3%)	FT GAL quared X 0.04) GAL 76 gal/mL) ON THE QAN NCE pH (ur (+-0.1	PID AMBIENT AU PID WELL MOUTH DRAWDOWN TOTAL PURG PP) mts) DISS 0; (*/-1	8) R ED (mpl) (t/) (*/)		PPM FPM REDOX (mv)	CASING LOCKED COLLAR TOCTOR DIFFERENCE REFILL TIMER SETTING DISCHARGE TIMER SETTING PRESSURE TO PLMP INTAKE		SEC
INITIAL DIW (IMMP) WELL DEPTIL (BMP) WATER COLUMN CALCULATED GAL/VOL CALCULATED GAL/VOL CALCULATED GAL/VOL CALCULATED GAL/VOL STRELD PARAMETERS WIT TIME DIW (FT) 0 0-0.33 ft Drawdown BEGIN PU 9/35 INITIAL DEFNING FERSTALIS SUBMERSIBLE ELADDER WATERA OTHER OTHER OTHER OTHER OTHER	PT PT GAL GAL WERD X 0.041) H PROCRAM ST (mL/min)	FINAL DIW (BMP) SCREEN LENGTH DRAWDOWN VOLUME (mill DTW-final D TOTAL VOL. FURGED (mil. per minule X to ABILIZATION CRITI TEMP. (°C) (+'-3 degrees)	DTW X well duam so otal minutes X 0.0007 ERIA (AS LISTED SP. CONDUCTA) (mS/cm) (+/-3%)	FT GAL quared X 0.04) GAL 76 gal/mL) ON THE QAN NCE pH (ur (+-0.1	PROT. CASIN STICKUPLAC PID AMBIENT AD PID WELL MOUTH DRAWDOWN TOTAL PURC PP) (%-1	8) R ED (mpl) (t/) (*/)		PPM FPM REDOX (mv)	COLLAR TOC/TOR DIFFERENCE REFILL TIMER SETTING DISCHARGE TIMER SETTIN PRESSURE TO PLMP NTAKE		SEC
(IBMP) WELL DEPTIL (BMP) WATER COLUMN CALCULATED GALIVOL GALIV	GAL GAL Wed X 0.04)) H PROCRAM ST (mL/min)	(EMP) SCREEN LENGTH DRAWDOWN VOLUME (mital DTW- final D TOTAL VOL PURCED (mL per minute X to ABILIZATION CRITE TEMP (°C) (+-3 degrees)	ERIA (AS LISTED SP. CONDUCTA) (mS/cm) (+/- 3%)	GAL quared X 0.04) GAL 26 gal/mL) NCE pH (ur (+(-0.1)	PID AMBIENT AU PID WELL MOUTH DRAWDOWN TOTAL PURC PP) (%-1	8) R ED (mpl) (t/) (*/)		PPM FPM REDOX (mv)	DIFFERENCE REFILL TIMER SETTING DISCHARGE TIMER SETTIN PRESSURE TO PLMP INTAKE		SEC
(BMP) WATER COLUMN CALCULATED GALVOL Gentme X well drameter square TILD PARAMETERS WIT TIME DTW (FT) 0-0-0.33 f Drawdown BEGIN PU 0-0.33 f Drawdown BEGIN PU 0-0.35 f Drawdown BEGIN PU	GAL ared X 0.04)) H PROGRAM ST (mL/min)	LENGTH DRAWDOWN VOLUME (mitial DTW- final D TOTAL VOL PURGED (mL per minute X to ABILIZATION CRITE TEMP (°C) (+-3 degrees)	ERIA (AS LISTED SP. CONDUCTA) (mS/cm) (+/- 3%)	GAL quared X 0.04) GAL 26 gal/mL) NCE pH (ur (+(-0.1)	AMBIENT AU PID WELL MOUTH DRAWDOWN TOTAL PURG PP) DISS 0; amits) DISS 0; (*-1)	(mg/L) [1]		PPM REDOX (mv)	SETTING DIACHARGE TIMER SETHA PRESSURE TO PLMP INTAKE		7
COLUMN CALCULATED GAL/VOL Gentrin X well drameter square TIME DTW (FT) S Minutes DTW (FT) BEGIN PU BEGIN PU G 35	wed X 0 04)) H PROGRAM ST PURGE RATH (mL/min)	VOLUME (mittal DTW- final D TOTAL VOL PURGED (mL per minute X to ABILIZATION CRITE TEMP (°C) (+-3 degrees)	ERIA (AS LISTED SP. CONDUCTA) (mS/cm) (+/- 3%)	GAL GAL 26 gal/mL) IN THE QAP NCE pH (ur (+/-0.1	MOUTH DRAWDOWN TOTAL PURC PP) mts) DISS 02 (*6-1	(mg/L) TU3 (%) (%)		REDOX (mv)	PRESSURE TO PLMP PUMP INTAKE		SEC
GALVOL GALVOL Gettiffin X well drameter sigu IELD PARAMETERS WIT TIME DIW (70 0-0-0.33 ft Drawdown BEGIN PU 9/35 	wed X 0 04)) H PROGRAM ST PURGE RATH (mL/min)	TOTAL VOL. PURGED (mL per minute X to ABILIZATION CRIT TEMP (°C) (+-3 degrees)	ERIA (AS LISTED SP. CONDUCTA) (mS/cm) (+/- 3%)	GAL 26 gal/mL) IN THE QAP NCE pH (or (+ -0.1	DRAWDOWN TOTAL PURC PP) Inits) DISS O <sub>2</sub> (*/-1	(mg/L) TU3 (%) (%)		(mv)	PUMP INTAKE	COMMENTS	
Autoritin X well drameter squa  IELD PARAMETERS WIT  TIME DIW (FI) 0.0-0.33 ft Drawdown BEGIN PU  A 35   UPPERSTAINC UPPERSTA	wed X 0 04)) H PROGRAM ST PURGE RATH (mL/min)	(nL per minute X to ABILIZATION CRIT TEMP (°C) (+/- 3 degrees)	ERIA (AS LISTED SP. CONDUCTA (mS/cm) (+/- 3%)	26 gal/mL) IN THE QAP NCE pH (or (+/-0.1	PP) mts) DISS O <sub>2</sub> units) (*/-1	(mg/L) TUI (%) (%)		(mv)	PUMP INTAKE	COMMENTS	
TIME DIW (FD) 5 Minutes 0.0-0.33 ft Drawdown BEGIN PU 9/35	PURGE RATI (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTAU (mS/cm) (+/- 3%)	NCE pH (ur (+/- 0.1	nits) DISS O <sub>2</sub> units) (*/- )	0%) (*/-		(mv)	INTAKE	COMMENTS	
BEGIN PU 9/35	RGING			5.5	-1		101	366			
UPMENT DOCUMENTAT TYPE OF PUNP PERISTALTIC SURVERSIBLE ELADDER WATTERA OTHER OTHER OTHER MALYTICAL PARAMETER		17,54	0,376	5.5	32,0		101	366	-		
UPMENT DOCUMENTAT TYPE OF PUNP PERISTALTIC SURVERSIBLE ELADDER WATTERA OTHER OTHER OTHER MALYTICAL PARAMETER											
UPMENT DOCUMENTAT TYPE OF PUNP PERISTALTIC SURVERSIBLE ELADDER WATTERA OTHER OTHER OTHER MALYTICAL PARAMETER											
IPMENT DOCUMENTAT TYPE OF PUNP PERISTALTIC SUBVERSIBLE ELADDER WATTERA OTHER OTHER NALYTICAL PARAMETE											
IPMENT DOCUMENTAT TYPE OF PUNP PERISTALTIC SUBVERSIBLE ELADDER WATTERA OTHER OTHER NALYTICAL PARAMETE											
IPMENT DOCUMENTAT TYPE OF PUNP PERISTALTIC SUBVERSIBLE ELADDER WATTERA OTHER OTHER NALYTICAL PARAMETE											
IPMENT DOCUMENTAT TYPE OF PUNP PERISTALTIC SURVERSIBLE ELADDER WATTERA OTHER OTHER OTHER INALYTICAL PARAMETER				-							
UPMENT DOCUMENTAT TYPE OF PUNP PERISTALTIC SUBMERSIBLE BLADDER WATTERA OTHER OTHER OTHER MALLYTICAL PARAMETER				-	-						
UIPMENT DOCUMENTAT TYPE OF PUNP PERISTALTIC SUBMERSIBLE BLADDER WATTERA OTHER OTHER ANALYTICAL PARAMETE											
UIPMENT DOCUMENTAT TYPE OF PUNP PERISTALTIC SURMERSBILE BLADDER WATTERA OTHER OTHER OTHER ANALYTICAL PARAMETE						-					
UPMENT DOCUMENTAT TYPE OF PUNP PERISTALTIC SUBMERSIBLE BLADDER WATTERA OTHER OTHER OTHER MALLYTICAL PARAMETER	and the second se										
TYPE OF PUNP PERISTALTIC SUBMERSIBLE BLADDER WATTERA OTHER OTHER OTHER	INAL STABIL	IZED FIELD PAR	AMETERS (to a	appropriate	significant fig	ures[SF])			pH serrent tenth (co. 5	1333 = 3330, 0.656 = 0.656) 5.53 = 5.9)	
TYPE OF PUNE PERISTALTIC SUBMERSIBLE BLADDER WATTERA OTHER OTHER MALLYTICAL PARAMETER	101	-		-	-   -	-	-	-	DO issurest tenth (es. TURB 3 SF mass, new ORP 2 SF (44.1 = 44,	rest ienth (6.19 = 6.2, 101 = 1011	
SUBMERSIBLE BLADDER WATTERA OTHER OTHER MALYTICAL PARAMETE	ION	DECON FLUIDS USED	-		NG/PUMPHE ADD					JAPMENT USED	
WATTERA OTHER OTHER OTHER	H	LIQUINOX DEIONIZED WATER POTABLE WATER	TEFL	ON TUBING		5 STEEL PU PVC PUMP N GEOPROBE		-	WL METER		
OTHER		NITRIC ACID HEXANE	HOPE	TUBING		TEFLON BL			TURB ME PUMP		_
		MEHTAHOL OTHER	OTHE			OTHER OTHER		/	OTHER EILTERS	NO TYPE	_
PARAN	IRS IETER	METHOD NUMBER			ESERVATION METHOD	VOLUM		MPLE	QC COLLECTED	SAMPLE BOTTLE NUMBERS	ID
SVOCa Metals		8270 6010B/7470A									
Vacs		82601	D VNL	- 1	HCI	1200	1 -	1			
V PEAS		537 See Notes	UNK	4 1	doice	100	mL _			-	
V 1.4-Die	Xane	SER Notes	IM UNI	C -	ce	500	nL .	1			
	and and				and an and			-			
	ES NO	NUMBER OF GALL	ONS		SKETCH/N Water Chomistry	TCL VOCA UN	SEPA 1202 SVOC	USEPA 8270	TAL Metals - USPEA 60	010: Marcary - USEPA 7470; Total	PCTh - List
ONTAINERIZED		GENERATED If yes, purged approxim				int-SMISHOCE				(10) Mercury - USEPA 7470, Total July - USEPA 140, J. Bacterial oxyginal stal organia content - USEPA 415-1.	
TILIZED		to sampling of	ml, for this sample	likation						lashof	
ampler Signature Cint	her		mili Po	uccio						tormation	1. 4
Thecked By Jo un Rulf	1 de	Date 07/	07/2021		Access to t	his well i	is provide	d by Moll	loy College. I	Molloy College pe	ersonn
MAN PAR	1 8112				a grab cam	nla Baca	auco cami	les are c		CTEC personnel co the dedicated puh	

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19	OJECT NAME		the second se	FLOW GROU	NDWAT	ERSAMPL	and the second sec			Charles and	522 3
73	LOJECT NUMBE	Fr	anklin Cleaner	- 1	LOC	En-IN	DAT	17/7	2		
s.	MPLED		3616206123.00		3743	1200	END	TIME 12	35		Lafe I
L	EL	1-1		235		NAMENUMBER	PAG		1		-
	TER (INCHES)			200	1	Franklin	Cleanny	1 07	-	WELL INTEGRITY	ny
UBING ID (IN	19/11		14 319			070028			CAP	+ - :	之一
20102	T POINT (MP)	TOP OF P	ISER (TOR)	TOP OF CASING		OTHER	C.J. J	00	CASING LOCKED COLLAR	¥ = :	4
(IMP)	W MAG		TNAL DTW			T. CASING	- Ectrato	2	TOCTOR		T
WELL DEP (EMP)	11 8	3 .	CREEN		FT STIC	KLF (AGS)	-	FT	DIFFERENCE		-
WATER			ENGTH	-	FT AMI	ILENT ALR	-		REFILL TIME	-	SEC
COLUMN		FT	ORAWDOWN VOLUME	-	GAL PID	WELL	-	and the second se	DISCHARCE	NG -	SEC
CALCULA: GALVOL	-	UAL	FURCED	TW X well gam square	DRA	WDOWN		_	PRESSURE		-
FTELD PAR	AMETERS WITH			tal minutes X 0 00026 p		AL PURGED	-		TOPING	L	<u>PSI</u>
TIME	and the second se	PURGE RATE (mL/min)	TEMP. CO	SP. CONDUCTANCE	THE QAPP	a colore		REDOX	PLMP	NAME OF TAXABLE AND TAXABLE ADDRESS OF TAXABLE ADDR	
	BEGIN PUR	Contract of the second second	(+- 3 degrees)	(mS/cm) (+2/3%)	pH (units) (+1-0.1 units)	DISS 0, (mp%) (++10%)	TURBID(TY (mu) (+/- 10% <10 mu)	(mv) (*/-10 mv)	DEPTH (B)	COMME	1
125	-	1000	1972	63.0	12	3.47	A. S. C.	122	1.15	the second	And a
1210	-		1472	0.321	4.95	the	103	257.9	-53	the config	21 - 10
1245	1		19.05	0.321	5.15	1341	11/1	247.8	20 -	17 300	1157
1220	-		19.12	0.277	5.15	1.13	56.2	222	-	The	TYPE
1225	-		18.99	0.322	5.15	1.17	48.8	2313		A DAME C	and the
1230	-	1	18.96	0.320	597	187	63.6	2212		1	
						1.0/	05,5	171.5	1000	- Ale	CAR THE
	16	1212-1	-		DEL	199 th	2.17.27	13	42 3	COLUMN STR	6 I SE
	10.00		-17	in Die To	Cotto .	P.S.	12:32	200			1
	1 200		14	1.7.0		1		A.S.W.			6. 6
	F	INAL STABIL	1.1.1	0,3,20	6.0	109	63.6	230	TOP and	101 D	5
1230	2		18.96	AMETERS (to app		and the second se	The AB	001-	i dina langa Di	(a. 111 - 10) (a. 1113 - 113), 2 4% - 2 4% a. 553 - 15) (a. 151 - 15)	0.00
QUIPMENT	DOCUMENTATI			State (1951)	Dil/	1.87	636	231,3	TURD 1 3 mm. 1 CRP 1 3 (4L) -	44, 191 - 190)	10F)
PERIS	TALTIC ERSIDILE		ECON FLUTDS USED	SILICON	TUBING		TERLALS	(		EUTONENT USED	18
BLAD	a stranger water and the		DEJONIZED WATER POTABLE WATER NITRIC ACID		TUBING LINED TUBING	020	PLANP MATERIAL PROBE SCREEN		PID	Miniker A	MPST
OTHER	R	H	REXANE	LINETU					Z FUMP		20000
ANALYTIC	AL PARAMETE		Dediciti	OTHER		offs			EILTE	the second se	
171	PARAM	ETER	NUMBE	D FIELD				AMPLE	QC COLLECTED		
1-1 -	SVOCs Metals		\$270 6010B/7470/			-	<u></u>		17723		TES .
Z	Vocs		8260	D_N	HC	Vice I	20 mL	-		+	1-1
4	YFAS Water Chemistry		537 See Notes	<u>N</u>	ic	<u>e 5</u>	00 ml	/	-/-	/	1212
		rane		STA N	I ic	et 3	DOML -	1			
LI .	SERVATIONS		-		- 22	SKETCHINOTES	11111	1	and the	1	1285
PURGE WAT	TER YE	1 2	NUMBER OF GAL	LLONS ~6.	5 .	ter Chemistry = "ICL"	NOCA - UNEPA KINE, SW	OG - UNEPA ETT	TAL Moule - UN	EPA 6010, Mentary - UNEPA 3 Ingl enhis- USEPA 140 1; Bac	TR. Tanita
NO-PURGE				mentely I standing volume mil. for this excepte le	priar 10	R: Tatal Cyclick W12A	4500-Ct, minety - A311	M D2937, cd and g	- ISTA 14	had witch - USEPA 160 1; Bar H4, Tool opens content - USE	ZAGUI T
UTILIZED	L	0.0									
Sampler Sign	mure Match	ul c 1200	Print Name:	1 Isodii 19	sates					1	
Checked By	00. 1111	28/11/21	Date 7	17/2	hereit	and a start	- Fee			1. U.S.	
MAN	AAC	TE	2				1. 1. 1. 1.	100	100	-	
IN	IAC		U	and and and			Ser 1	NYS	SDEC QUAL	UNDWATER SAM	
	s Street, Portian	ad Maine 04101	STREET.	12.00			The second	A Property	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	1 21.

LOW FLOW GROUNDWATER SAMPLING RECORD
PROJECT NAME Franklin Cleaners
PROJECT NUMBER 3616206123.00 START TIME 1.2.( END TIME
SAMPLE ID EV-2 SAMPLE TIME SITE NAMENUMBER PAGE
WELL DIAMETER (INCILES) 1 2 4 6 1 7 OTHER WELL DITECTITY
MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER NA- GUD FOULTIGM Well COLLAR - Z
INITIAL DTW FT FINAL DTW FT (BNIP) FT STICKUP (AGS) TOCTOR
WELL DEPTH 83 FT LENGTH - FT AMERICATION REPELL TIMER
WATER DRAWDOWN FID WELL PROVINCE
CALCULATED TOTAL VOL DTW X well dam separad X 0 (41) FFM TOMER SETTING SSC
(column X well diameter squared X 0.041) (mL per mmute X total minutes X 0.00026 gal mL) TOTAL PURGED TO PUMP
TELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP) TIME DTW (FT) PURGERATE TEMP (C) SP CONDUCTANCE
3-5 Minutes 0.0-0.33 R (mL/min) (+/-3 degrees) (mS/cm) (+/-3 tegrees) (+/-3 tegre
LET BEGIN PURGING
1245 - 351000 14630, 365 6.05 3.20 0.9 231, 868
125 - 10 10 0 0 0 0 1 1 1 1 1 1
1300 - 19.230365 6.01 2.030.89' 223.4
1305 - 19.250.365 6.01 2.050.48, 221.7
100 000 001 2.11 048 41.1 -
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])
1305 19.25 0.365 604 211 048 2197 TREES (19 19)
QUIPMENT DOCUMENTATION
PERISTALTIC LIQUINOX SELECON TUBING STEEL FUNP MATERIAL NUMERICAL DECONZED WATER TEPLON TUBING PYC RUMP MATERIAL DECONZED WATER TEPLON TUBING
BLADDER VOTABLE WATER TEPLON LINED TUBING GEOFINISE SCREEN WQ.METER YS Z SSIOUL PS NITTUC ACCO ROPE TUBING TEPLON BLADDER TUBING HERA LT/ACLA-2002 Q
WATTERA         NEXNE         Diff training         OTHER         PLNP           OTHER         OTHER         OTHER         OTHER         OTHER         OTHER           OTHER         OTHER         OTHER         OTHER         OTHER         OTHER
ANALYTICAL PARAMETERS METHOD FIELD PRESERVATION VOLUME SAMPLE QC SAMPLE BOTTLE ID
SVOCI 1270 METHOD REQUIRED COLLECTED COLLECTED NUMBERS
Media GOIDERTATION VOCS 82COD 1/ HC1/ice 170mL / /
VOCS <u>8260D</u> <u>N</u> Hellice 120mL /
S Water Chemistry See Notes
14-Dioxane 8270ESIM N Ice Sooml /
PURCE OBSERVATIONS PURCE WATER YES NOT NUMBER OF GALLONS ~ 5 Weter Chemistry + TCL WKX+ - UNITA EDW SYDKX LINETA CM, TAL, Manne - USEPA WIR, Taul PCBr - LINETA
PURCE WATER YES NO NUMBER OF CALLONS CONTAINER/ZED NO-PURCE METHOD YES NO Uper of approximately 1 analog volume prior NO-PURCE METHOD YES NO Uper of approximately 1 analog volume prior Wister Constants - TOL VICE - INFA LEW ACCESTA CON TAL Joint - OBERA 102 Memory - ACTIN 102317, all and group - LINERA 104 L, plr LINERA SUCCESSION - ACTIN 102317, all and group - LINERA 104 L, plr LINERA VICE - Constant - UNERA 413 L, plr LINERA
sampler signature (Midvall C. Datter men Name Michael bate
Chocked By DREWILD Still Date 7/7/21
MACTEC
HISBEE VEALIT ASSOCIALE PROTECT IN
Congress Street, Portland Maine 04101

FIELD NOTEBOOK SCANS

9/22/21 SUNNY 70° 110 Arrive onsite, have not heard back from Payson Long (Dec) about when he'll be Orliving prisite 1256 Call Katie Amany to see if She's reciever on word from payson, she has not 1313 Conduct Monthly Lights & fire inspection extinguisher & Lights are in working order Yord inside the gates has not been maintained 1345 still waiting on paysons Alrival, Niether Myself, Notie Among of Brod Leforest have healt soch from him 1930 Blad has Located Paysons Cell 435 Poilson has informed me over the Phone that he arrived onsite earlier than discussed and conducted file inspection, things Look good onsite 1445 Offsik

10/22 1600: Onsite - fire extinguister pressure Gouge in the green - Chechit all 3 energency lights for 30 seconds eg-ch - Blought 7 Months DF Blogh Sheets + All previous inspection sheets 1640: OFFSik

11/17/21 1710: M. Bates (Wood) onsite Lights inspection : pass file extinguished inspection : pass Mointained lot hosstill not been 1840: OFFSite

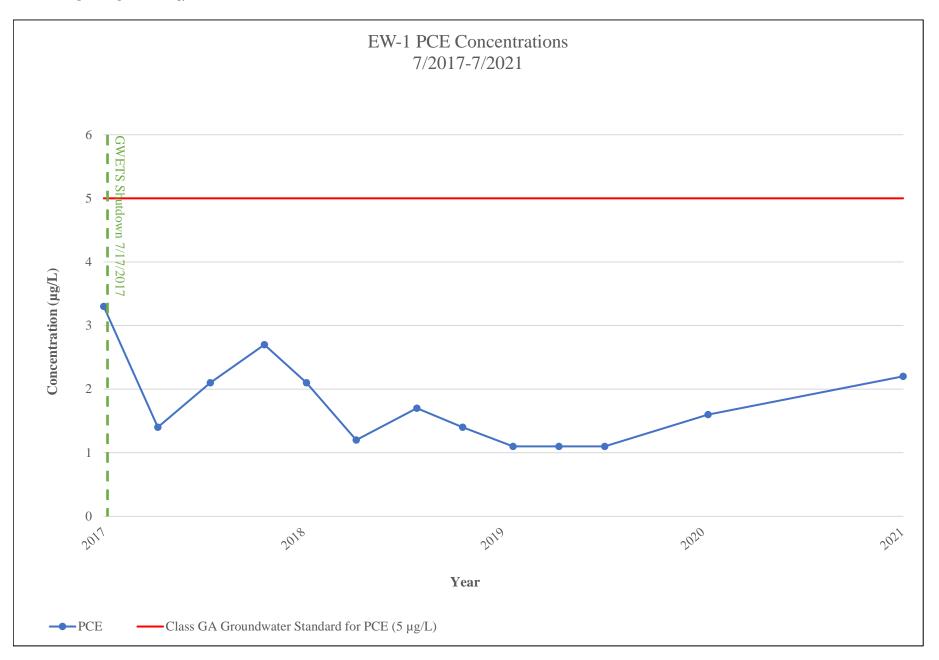
12/15/21 1030 M. Bates (Wood) DASITE Monthly emergency Lights inspection: Pass Monthly fire extinguished inspection: Pass Yort in flont of building still has not been maintained 30 M. Botes (Wood) OF

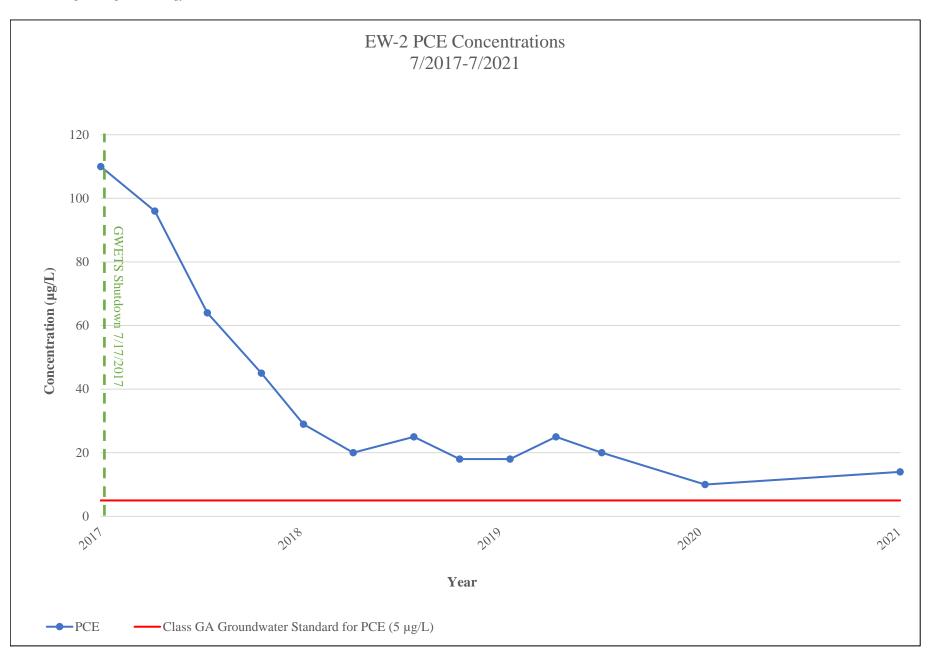
1-12-22 3-22 1330 MBotes (wood Onsite) Month I veregencer Lights inspection pass month N fire extinguister inspection pass Varid in front of building has not been maintained 1445: Offsite

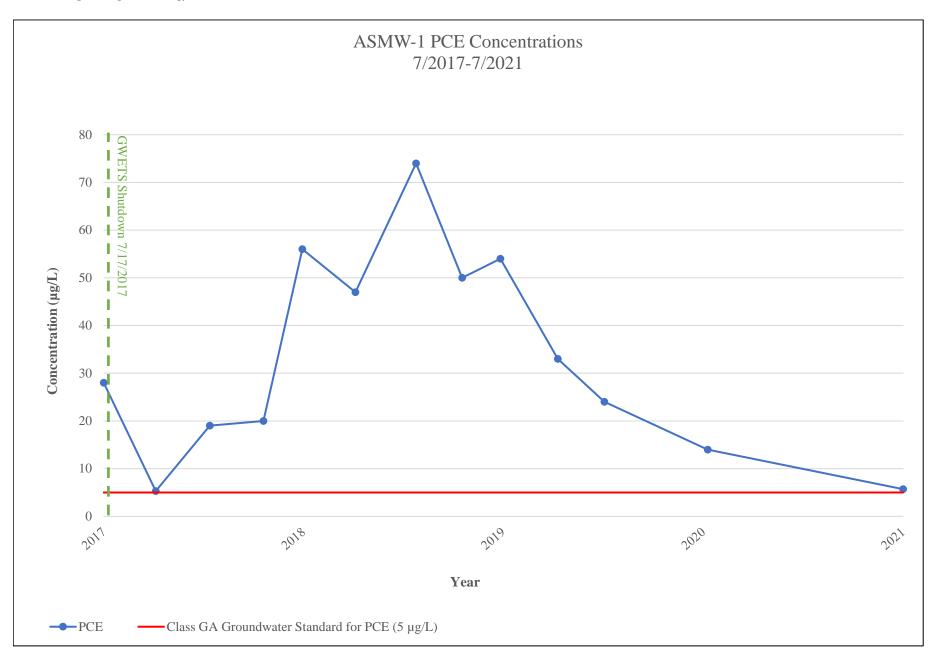
2/3/22 12.00: Onsite M. Bates (Wood) - Clear Snow from around outter Outer gates & front door to focility -Monthly emergency Light inspection: Poss Monthly fire extinguisher inspection: poss 1330: Offs;k

## APPENDIX C PCE CONCENTRATION GRAPHS

## 2022 Site Management Report – Franklin Cleaners Site NYSDEC Site No. 130050 MACTEC Engineering and Geology, P.C. – 3616206123







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