Phase II Environmental Site Assessment Report
SR-82 MRF Phase II ESA
11900 SR-82
Fort Myers, FL 33193

Prepared for:
Lee County Board of County Commissioners

Prepared by:
American Management Resources Corporation
Fort Myers, Florida 33907

AMRC File No. 23-062382.EC
January 29, 2024

Services For The Environment

CONTENTS

FIGURES

TABLES

ATTACHMENTS

1.0 Introduction

American Management Resources Corporation (AMRC) has completed a Phase II Environmental Site Assessment (ESA) at the property located at 11900 SR 82 in Fort Myers, Florida (the Site). The purpose of this Phase II ESA was to further assess Recognized Environmental Conditions identified in a previously completed Phase I ESA, dated September 6, 2023. Specifically:

- Several Florida Administrative Code (FAC) Chapter 62-777 Groundwater Cleanup Target Level (GCTL) exceedances were recorded in monitoring wells located between the Gulf Coast Sanitary Landfill (GCLF) and the subject site. Most of the GCTLs are based on Secondary Drinking Water Standards (SDWS) and AMRC notes that the landfill is exempt from compliance with SDWS. However, the Primary Drinking Water Standard (PDWS) for sodium (160 mg/L) was exceeded in three (3) monitoring wells located immediately between the landfill and subject site: GCL-20S (226 mg/L), GCL-21S (536 mg/L), and GCL-26S (291 mg/L). Additionally, the ammonia GCTL of 2.8 mg/L was exceeded in GCL-19S (17.0 mg/L), GCL-20S (16.3 mg/L), GCL-21S (33.5 mg/L), and GCL-26S (18.6 mg/L). The GCTL for ammonia is not based on SDWS criteria (no exemption). Based on the proximity of the landfill and impacted wells to the subject site, it is reasonably anticipated that the groundwater impacts extend under the subject site.

The Florida Department of Environmental Protection (FDEP) Facility Identification Number for the GCLF is 76728. Reports for the GCLF site are available on the FDEP's Information Portal.

2.0 Assessment Activities

Field investigation, installation and sampling activities were conducted October 25th through 31st, 2023. These activities are detailed below.

2.1 Monitoring Well Installation

On October 25th, 2023, AMRC personnel mobilized to the subject site to oversee the installation of six (6) monitoring wells by the drilling subcontractor, JAEE.

The locations were hand-cleared by advancing a pre-cleaned stainless-steel hand auger or post hole digger to approximately four (4) feet below land surface (fbls). Prior to monitoring well installation, soil samples were collected at each two-foot interval for field Organic Vapor Analyzer (OVA) screening. The shallow monitoring wells were then installed using Direct Push Technology (DPT). The shallow monitoring wells (MW-1 through MW-6) were constructed of 10 feet of 1.5-inch diameter 0.010 slotted schedule 40 pre-packed PVC screen attached to four (4) to five (5) feet of PVC riser. After the pipe was inserted, a sand pack consisting of 20/30 silica sand was added followed by a fine sand (30/65 grade silica) seal layer. The remaining annulus was then grouted to the surface using neat cement (Portland Type I/II). The monitoring wells were finished at the surface in a locking stickup well protector set in a 2-foot by 2-foot concrete pad. Following the well completions, two (2) bollards were installed at each well location to provide protection.

The locations of the monitoring wells are illustrated in **Figure 1**. After installation, the monitoring wells were developed using a small centrifugal pump. AMRC and JAEE personnel continuously developed the monitoring wells until a clear effluent was produced. Copies of the field notes, soil boring logs, well construction and development logs, well completion report, and well permits are presented in **Appendix A**. All work was performed in general accordance with the FDEP Standard Operating Procedures (SOPs).

2.2 Test Pit Excavations

On October 26th, 2023, AMRC personnel mobilized to the subject Site with a backhoe to install five (5) test pits (TP-1 through TP-5) at the locations illustrated in **Figure 1**. The test pit locations were selected based on observed concrete, PVC, rubber, and various other debris. Each test pit was excavated to a depth of six (6) to seven (7) fbls and was backfilled immediately after reaching terminal depth. The field notes and site photographs are included in **Appendix A**.

2.3 Groundwater Assessment

On October 31st, 2023, AMRC personnel returned to the site to conduct groundwater sampling activities. These activities consisted of the proper purging and sampling of the six (6) newly installed wells (MW-1 through MW-6). The sampling locations are illustrated in **Figure 1**.

Depth to water (DTW) measurements were collected from the wells prior to purging. AMRC notes that a top of casing (TOC) elevation survey was conducted by Johnson Engineering personnel. The groundwater elevation and flow direction are illustrated in **Figure 2**. Based on the data collected, the groundwater generally depicted to flow to the northwest which is consistent with groundwater flow maps from the south adjoining landfill site.

Prior to the groundwater sample collection, each well was purged by utilizing a peristaltic pump and disposable tubing. Aquifer stabilization parameters (depth to water, pH, dissolved oxygen, turbidity, conductivity, Oxygen Reduction Potential (ORP), and temperature) were collected during purging. After the parameters stabilized, AMRC personnel collected the groundwater samples according to the applicable FDEP SOPs (DEP SOP 001/01 and Chapter 62-160). An unidentified sheen and odor were noted while purging MW-3 and a slight sheen was noted while purging MW-6. However, no petroleum odors were noted.

The groundwater samples were collected into pre-cleaned laboratory supplied bottles, immediately placed on wet ice, and transported to Advanced Environmental Laboratories (AEL) of Fort Myers, Florida utilizing chain of custody documentation. The collected samples were analyzed by AEL SOP-041 (Per- and Polyfluoroalkyl Substances (PFAS)), Laboratory Method FL-PRO (TRPHs), Standard Method (SM) 2540C (Total Dissolved Solids (TDS)), Environmental Protection Agency (EPA) Methods 300.0 (Chloride, Nitrate, Sulfate), 350.1 (Ammonia), 6010 (Metals), 7470A (Mercury), 8260 (Volatile Organics), 8270 (Semi-Volatile Organics), 8081 (Organochlorine Pesticides), 8082 (Polychlorinated Biphenyls (PCBs), 8141 (Organophosphorus Pesticides), and 8151 (Chlorinated Herbicides).

3.0 Results

3.1 Field Soil OVA Screening

The soil screening results revealed several samples with OVA responses above 10 parts per million (ppm):

- MW-1
  - 0-2 fbls – 30.9 ppm
- MW-4
  - 0-2 fbls – 50.9 ppm
  - 2-4 fbls – 56.2 ppm
  - 4-6 fbls – 53.6 ppm
  - 6-8 fbls – 43.5 ppm
  - 8-10 fbls – 36.9 ppm
- MW-5
  - 0-2 fbls – 26.5 ppm
  - 2-4 fbls – 22.7 ppm
  - 4-6 fbls – 28.7 ppm
  - 6-8 fbls – 33.5 ppm
  - 8-10 fbls – 39.9 ppm
- MW-6
  - 2-4 fbls – 95.4 ppm
  - 4-6 fbls – 15.7 ppm
  - 6-8 fbls – 26.7 ppm

A sewage odor was noted for each of the sample locations with an elevated OVA response. No soil samples were collected for laboratory analysis. The soil OVA screening results are summarized in **Table 1**.

3.2 Test Pit Excavation Findings

Various debris was uncovered during the test pit exploration:

- Test Pit #1 (surface observation - large concrete debris)
  - 0-4 fbls – Large concrete blocks/debris
  - 4-7 fbls – Natural soil
- Test Pit #2 (surface observation - shredded tires)
  - 0-1 fbls – Shredded tires, rubber debris
  - 1-3 fbls – Clay tiles
  - 3-7 fbls – Natural soil/clay
- Test Pit #3 (surface observation - PVC debris)
  - 0-1 fbls – Limited buried PVC debris
  - 1-7 fbls – Natural soil
- Test Pit #4 (surface observation - concrete debris/pipes)
  - 0-6 fbls – Natural soil
- Test Pit #5 (surface observation - concrete debris)
  - 0-7 fbls – Natural soil

No buried debris were encountered in Test Pit #4 and #5.

3.3 Groundwater Analytical Results

The laboratory analytical results revealed the following tested parameters at concentrations which exceed their respective FAC Chapter 62-777 Groundwater Cleanup Target Levels (GCTLs) and/or Natural Attenuation Default Concentrations (NADCs):

- MW-1
  - Manganese – 55 ug/L (GCTL=50 ug/L)
  - **Iron – 5,600 ug/L** (GCTL=300 ug/L|**NADC=3,000 ug/L**)
  - TDS – 680,000 ug/L (GCTL=500,000 ug/L)
- MW-2
  - Manganese – 65 ug/L (GCTL=50 ug/L)
  - **Iron – 7,700 ug/L** (GCTL=300 ug/L|**NADC=3,000 ug/L**)
  - Chloride – 310,000 ug/L (GCTL=250,000 ug/L)
  - TDS – 960,000 ug/L (GCTL=500,000 ug/L)
- MW-3
  - Manganese – 130 ug/L (GCTL=50 ug/L)
  - **Iron – 19,000 ug/L** (GCTL=300 ug/L|**NADC=3,000 ug/L**)
  - Sodium – 320,000 ug/L (GCTL=160,000 ug/L)
  - Ammonia – 5,700 ug/L (GCTL= 2,800 ug/L)
  - Chloride – 680,000 ug/L (GCTL=250,000 ug/L)
  - TDS – 1,800,000 ug/L (GCTL=500,000 ug/L)
  - Isopropylbenzene – 0.95 I ug/L (GCTL= 0.8 ug/L)
- MW-4
  - Manganese – 65 ug/L (GCTL=50 ug/L)
  - **Iron – 5,800 ug/L** (GCTL=300 ug/L|**NADC=3,000 ug/L**)
  - Ammonia – 7,200 ug/L (GCTL= 2,800 ug/L)
  - Chloride – 310,000 ug/L (GCTL=250,000 ug/L)
  - TDS – 1,100,000 ug/L (GCTL=500,000 ug/L)
- MW-5
  - Manganese – 62 ug/L (GCTL=50 ug/L)
  - **Iron – 15,000 ug/L** (GCTL=300 ug/L|**NADC=3,000 ug/L**)
  - Ammonia – 26,000 ug/L (GCTL= 2,800 ug/L)
  - Chloride – 280,000 ug/L (GCTL=250,000 ug/L)
  - TDS – 1,600,000 ug/L (GCTL=500,000 ug/L)
- MW-6
  - Total Arsenic – 18 ug/L (GCTL=10 ug/L)
  - Manganese – 84 ug/L (GCTL=50 ug/L)
  - **Iron – 13,000 ug/L** (GCTL=300 ug/L|**NADC=3,000 ug/L**)
  - TDS – 510,000 ug/L (GCTL=500,000 ug/L)

Bolding indicates a FAC Chapter 62-777 NADC exceedance. The estimated exceedance extents are illustrated in **Figure 3**. AMRC notes that plume lines were not drafted for Manganese, Iron, and TDS because they exceed their respective GCTLs and/or NADCs in each well, indicating background concentrations may be greater than the respective standards. The Laboratory results are presented in **Tables 3** through **8**. Some parameters were detected above their respective Laboratory Method Detection Limit (LMDL) and/or Practical Quantitation Limit (PQL) but were below their respective GCTLs. AMRC also notes that the laboratory was unable to meet the GCTLs for Benzo(b)fluoranthene, Dibenz(a,h)anthracene, and Indeno(1,2,3-cd)pyrene for the

samples collected from MW-1 and MW-3 (highlighted green on **Table 5**). However, based on FDEP's May 14, 2007, Quality Assurance and Related Issues Memorandum, it is considered that the alternative groundwater Cleanup Target Levels (CTLs) are met if Benzo(a)anthracene, Benzo(b)fluoranthene, Dibenz(a,h)anthracene, and Indeno(1,2,3-cd)pyrene are not detected, or if they are detected below their respective PQLs.

The samples were also laboratory analyzed for the presence of several PFAS analytes which do not yet have established standards. However, FDEP has introduced provisional CTLs for Perfluorooctanoic acid (PFOA), Perfluorooctane sulfonic acid (PFOS), and the combination of PFOA + PFOS. Provisional CTLs are allowable per FAC Chapter 62-777 and are enforceable under Florida Statutes (FS) Chapter 376.30701(2); 376.30701(2)(g) and FAC Chapter 62-780.150(7). Several provisional CTL exceedances were reported:

- MW-2
  - PFOA – 79 I ng/L (Provisional GCTL=70 ng/L)
  - PFOA+PFOS – 79 I ng/L (Provisional GCTL=70 ng/L)
- MW-3
  - PFOA – 190 ng/L (Provisional GCTL=70 ng/L)
  - PFOA+PFOS – 245 I ng/L (Provisional GCTL=70 ng/L)
- MW-4
  - PFOA – 150 ng/L (Provisional GCTL=70 ng/L)
  - PFOA+PFOS – 210 I ng/L (Provisional GCTL=70 ng/L)

The estimated exceedance extents for the provisional CTLs are illustrated in **Figure 4**. The groundwater laboratory results for PFAS are presented in **Table 8**. The site photographs, field notes, groundwater sampling logs and calibration documentation are presented in **Attachment A**. The groundwater laboratory analytical report and chain of custody is presented in **Attachment B**. All work was performed in general accordance with applicable FDEP SOPs.

4.0 Conclusions and Recommendations

AMRC has completed the Phase II ESA in accordance with our proposal. Based on the recent site assessment and laboratory analytical results, AMRC concludes the following:

Soil

- Elevated OVA results (>10 ppm) were observed in several soil borings. However, all readings were under 100 ppm and a sewage odor was noted for all locations with elevated OVA. No petroleum odors or staining were reported.
- No soil laboratory analytical samples were collected.

Groundwater

- Based on observed soil moisture, the water table appeared to be just below land surface at most locations during the monitoring well installation. The static depth to water (below land surface) at the time of sampling varied between 0.96 fbls (MW-3) to 2.94 fbls (MW-6). The groundwater generally flows to the northwest.
- Arsenic. Arsenic was detected above its respective GCTL in the sample collected from MW-6 and below the laboratory detection limit in the remaining wells. The elevated

Arsenic concentration may be a result of the site's historical agricultural land use (legal application of arsenic based pesticides/herbicides).

- Manganese, Iron, and TDS. Manganese, Iron, and TDS exceeded their respective GCTLs and/or NADCs in the samples collected from each well location. The concentrations of these analytes are greatest at MW-3, and they generally decrease with distance north and away from the MW-3. However, the natural background concentrations for these analytes likely exceed their respective standards based on the concentrations observed in MW-6 and the observance of similar concentrations in monitoring wells upgradient of the GCLF (see Water Quality Monitoring Reports associated with the landfill in FDEP's Information Portal). The regulatory standards for these analytes are based on the SDWS and AMRC notes that the landfill is exempt from compliance with SDWS.
- Sodium. Sodium exceeded its respective GCTL in MW-3 and met but did not exceed its GCTL in MW-4. Sodium exceedances associated with the GCLF are well documented and recent reports indicate that the concentrations have been generally decreasing since 2019 after addressing the sources (reportedly due to weather seeps). The GCTL for Sodium is based on PDWS (no landfill exemption).
- Ammonia. Ammonia was detected above its respective GCTL in the samples collected from MW-3, MW-4, and MW-5. Ammonia exceedances associated with the GCLF are well documented and recent reports indicate that the concentrations have been stable or increasing (contrary to the other indicator parameters) since 2019 after addressing the sources. The April 17, 2023, Response to First Request for Additional Information dated March 10, 2023 (found in FDEP's Information Portal) concludes that "*the source of the elevated ammonia detections has been addressed, corrective actions have been completed, additional preventative measures of future impacts will be implemented in the near future, there is no applicable ammonia criterion, any impacts in this portion of the site will be heavily diluted on-site and directed away from the neighboring properties, and flow conditions are not conducive to off-site impacts"*. However, AMRC notes that the GCTL for Ammonia is not based on SDWS (no specific landfill exemption), and the impacts appear to extend offsite as evidenced by the results from MW-3, MW-4, and MW-5.
- Chloride. Chloride was detected above its respective GCTL in the samples collected from MW-2, MW-3, MW-4, and MW-5. Chloride exceedances associated with the GCLF are well documented and recent reports indicate that the concentrations have been decreasing since 2019 after addressing the sources. The regulatory standard for Chloride is based on the SDWS and AMRC notes that the landfill is exempt from compliance with SDWS.
- Isopropylbenzene. Isopropylbenzene exceeded its respective GCTL in MW-3. AMRC notes that the concentration only slightly exceeds the GCTL (0.95 I ug/L vs GCTL 0.8 ug/L) and it was detected between the laboratory PQL and MDL as indicated by the "I" qualifier.
- Benzo(b)fluoranthene, Dibenz(a,h)anthracene, and Indeno(1,2,3-cd)pyrene. These parameters exceeded their respective GCTLs but were detected between the laboratory PQL and MDL in the samples collected from MW-1 and MW-3 as indicated by the "I" qualifier. FDEP's May 14, 2007, Quality Assurance and Related Issues Memorandum notes that the alternative groundwater CTLs are met if Benzo(a)anthracene, Benzo(b)fluoranthene, Dibenz(a,h)anthracene, and Indeno(1,2,3-cd)pyrene are not detected, or if they are detected below their respective PQLs.

- PFAS-Provisional GCTL. PFOA and PFOA+PFOS were detected at concentrations exceeding their respective provisional GCTLs in the samples collected from MW-2, MW-3, and MW-4. Provisional CTLs may be considered enforceable, however, widespread action has not yet been observed.

Based on the analytical results, a limited area of Arsenic impacted groundwater exists in the area of MW-6 and is not completely delineated. Impacted groundwater from the south adjacent GCLF site appears to have extended offsite onto the subject site. Landfill exemptions exist for SDWS-based GCTLs exceedances. However, several exceeding analytes are not SDWS-based (Ammonia, Sodium, Isopropylbenzene) and are not exempt from enforcement. PFAS detections are ubiquitous but are most concentrated in the wells on the south border. However, regulatory standards have not yet been established for PFAS.

5.0 Limitations

5.1 Logs & Figures

The soil and groundwater conditions shown in the boring logs and reported herein reflect the conditions at the specific test locations at the time of our exploration only. Conditions will vary across the site and will also vary with time. The locations indicated were not surveyed and should be considered approximate.

5.2 Reliance

The user of this report is the Lee County Board of County Commissioners and Johnson Engineering. No other parties are entitled to rely upon this report. Obligations to third party users not listed above are outside the scope of our contract and unauthorized reliance on the findings or conclusions contained in this report will be at the third party's risk.

5.3 Standard of Care

These services have been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the location where the Work was performed. No other warranty, expressed or implied, is made including, without limitation, any warranty of fitness for a particular purpose other than those expressly stated herein.

5.4 Reproduction

No portion of this report should be reproduced or used unless the entire report is reproduced in full.

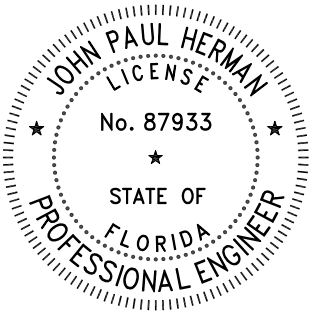
6.0 Closing & Certification

We appreciate the opportunity to be of service to you on this project. Please do not hesitate to contact us if you have any questions or if we may further assist you.

Sincerely,

American Management Resources Corporation
5230 Clayton Court
Fort Myers, FL 33907
FBPE CA# 29759

John Herman MSE, P.E.
Senior Engineer



John Paul Herman, P.E. This item has been electronically signed and sealed by John P. Herman. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.
2024.01.29 17:52:22 -05'00'

Figures

Graphical Scale

0' 200 400

LEGEND:

APPROXIMATE PROPERTY BOUNDARY

MONITORING WELL LOCATION

TEST PIT LOCATION

AMERICAN MANAGEMENT
RESOURCES CORPORATION

ENVIRONMENTAL-ENGINEERING-CONTRACTING

5230 Clayton Court
Fort Myers, Florida 33907
Phone (239) 936-8266
Fax (239) 936-0737

FIGURE 1 - AERIAL
SITE PLAN

SW PORTION (50 AC) OF
11900 STATE ROAD 82
FORT MYERS, FLORIDA

PROJECT No:

DATE: 01/04/24

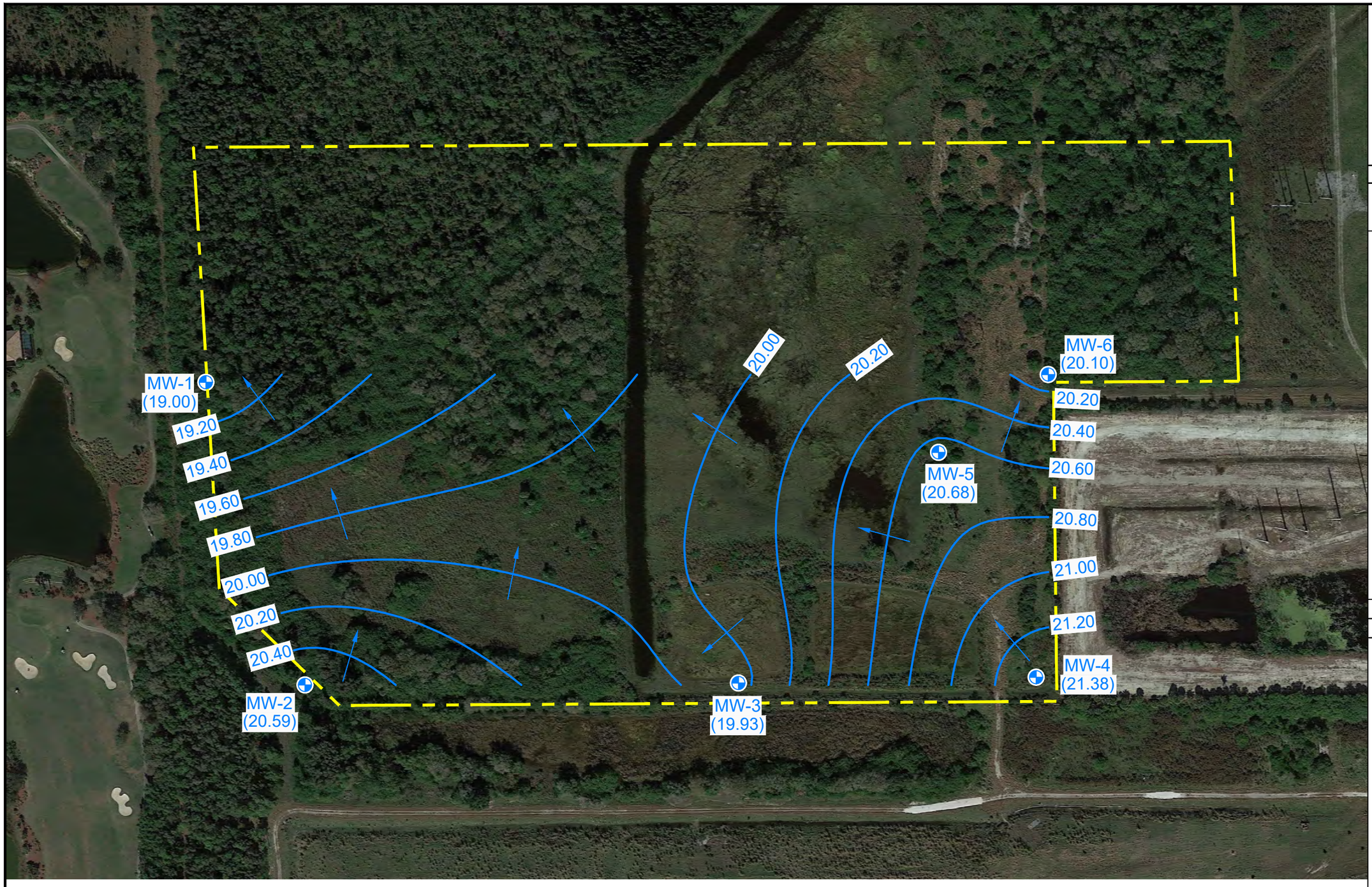
JOHN P. HERMAN, PE
NAME

SIGNATURE

87933
PE LICENSE #

DATE

29759
AMRC AUTHORIZATION NUMBER



Graphical Scale

0' 200 400

LEGEND:

APPROXIMATE PROPERTY BOUNDARY

MONITORING WELL LOCATION

(19.00) GROUNDWATER ELEVATION (FEET)

19.00 GROUNDWATER ELEVATION CONTOUR (FEET) DASHED WHERE INFERRED

ESTIMATED DIRECTION OF GROUNDWATER FLOW

AMERICAN MANAGEMENT
RESOURCES CORPORATION

ENVIRONMENTAL-ENGINEERING-CONTRACTING

5230 Clayton Court
Fort Myers, Florida 33907
Phone (239) 936-8266
Fax (239) 936-0737

FIGURE 2 - GROUNDWATER ELEVATION MAP

SW PORTION (50 AC) OF 11900 STATE ROAD 82 FORT MYERS, FLORIDA

PROJECT No:

DATE: 01/04/24

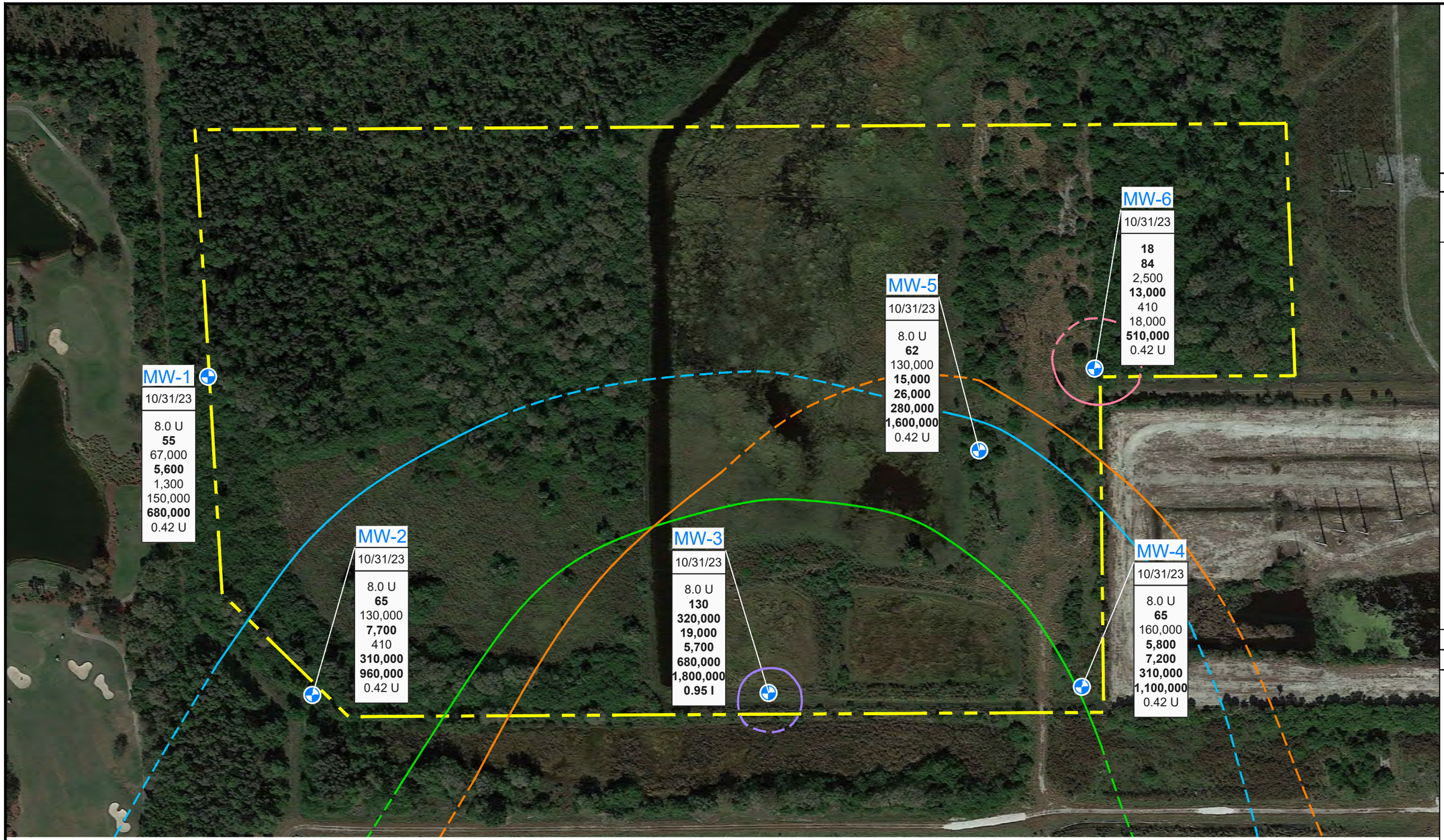
JOHN P. HERMAN, PE
NAME

SIGNATURE

87933
PE LICENSE #

DATE

29759
AMRC AUTHORIZATION NUMBER



LEGEND:

- APPROXIMATE PROPERTY BOUNDARY
- MONITORING WELL LOCATION
- ARSENIC GCTL = 10 µg/L
- SODIUM GCTL = 160,000 µg/L
- AMMONIA GCTL = 2,800 µg/L
- CHLORIDE GCTL = 250,000 µg/L
- ISOPROPYLBENZENE GCTL = 0.8 µg/L

Graphical Scale

0' 200 400

CONCENTRATIONS IN µg/L

DATE SAMPLED
ARSENIC
MANGANESE
SODIUM
IRON
AMMONIA
CHLORIDE
TOTAL DISSOLVED SOLIDS
ISOPROPYLBENZENE

µg/L	MICROGRAMS PER LITER
U	NOT DETECTED
I	RESULTS > = MDL BUT < PQL
BOLD	EXCEEDS THE GCTL
NS	NOT SAMPLED

NOTES:

1. CONTOURS WERE NOT DRAFTED FOR MANGANESE, IRON, AND TOTAL DISSOLVED SOLIDS (TDS) BECAUSE BACKGROUND CONCENTRATIONS APPEAR TO BE GREATER THAN THEIR RESPECTIVE CLEANUP TARGET LEVEL (CTL).
2. DASHED CONTOURS ARE INFERRED.

AMERICAN MANAGEMENT
RESOURCES CORPORATION

ENVIRONMENTAL-ENGINEERING-CONTRACTING

5230 Clayton Court
Fort Myers, Florida 33907
Phone (239) 936-8266
Fax (239) 936-0737

FIGURE 3 - GROUNDWATER ANALYTICAL RESULTS - EXCEEDANCES ONLY

SW PORTION (50 AC) OF 11900 STATE ROAD 82 FORT MYERS, FLORIDA

PROJECT No:

DATE: 01/05/24

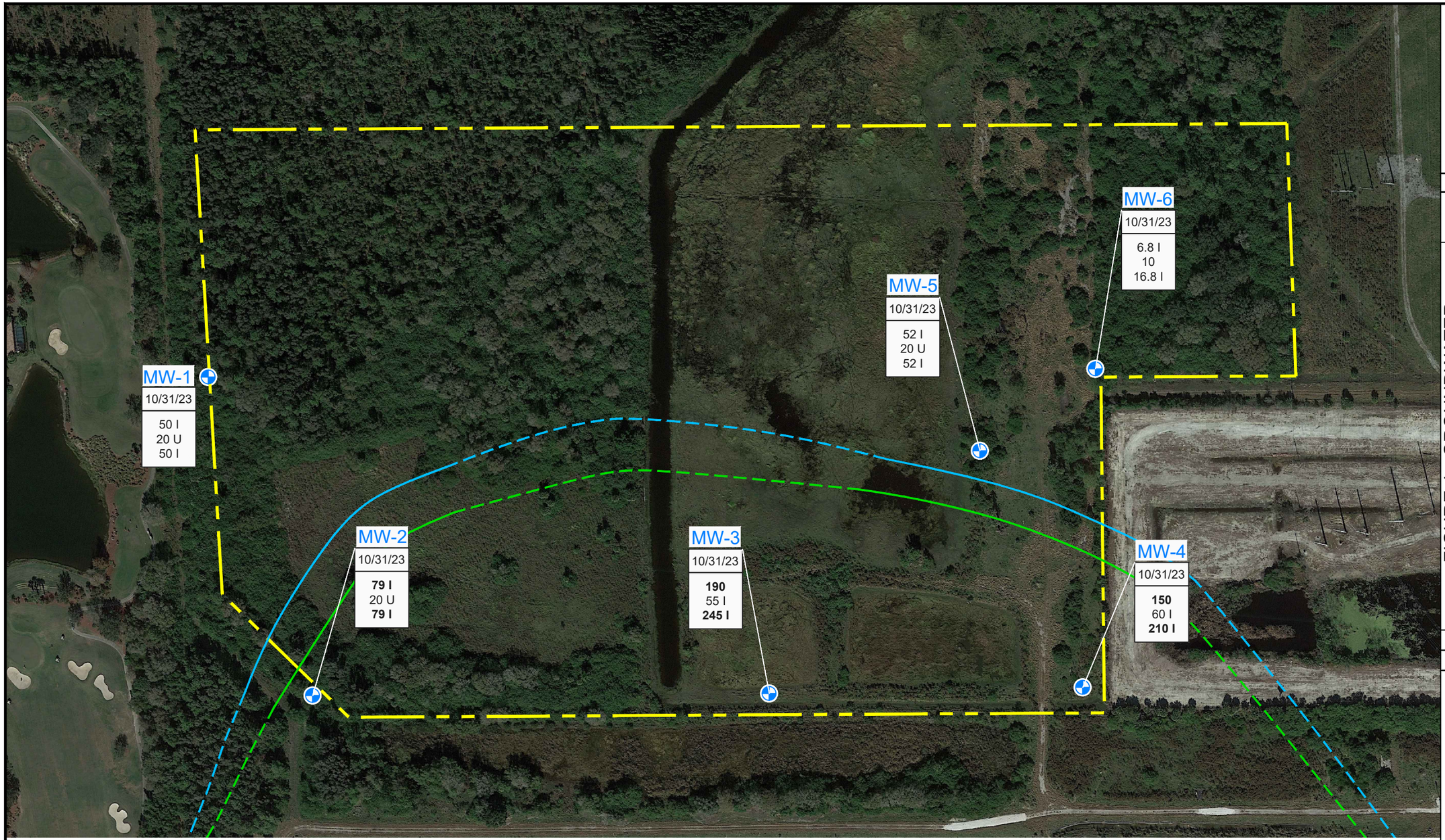
JOHN P. HERMAN, PE
NAME

SIGNATURE

87933
PE LICENSE #

DATE

29759
AMRC AUTHORIZATION NUMBER



LEGEND:

- APPROXIMATE PROPERTY BOUNDARY
- MONITORING WELL LOCATION
- PFOA+PFOS PROVISIONAL GCTL = 70 NG/L
- PFOA PROVISIONAL GCTL = 70 NG/L

NOTE:

1. DASHED CONTOURS ARE INFERRED.

Graphical Scale

0' 200 400

CONCENTRATIONS IN ng/L

DATE SAMPLED
PFOA - PERFLUOROOCTANOIC ACID PFOS - PERFLUOROOCTANESULFONIC ACID PFOA+PFOS

ng/L	NANOGRAMS PER LITER OR PARTS PER TRILLION
U	NOT DETECTED
I	DETECTED BETWEEN THE PRACTICAL QUANTITATION LIMIT AND METHOD DETECTION LIMIT
BOLD	EXCEEDANCE
NA	NOT ANALYZED

AMERICAN MANAGEMENT
RESOURCES CORPORATION

ENVIRONMENTAL-ENGINEERING-CONTRACTING

5230 Clayton Court
Fort Myers, Florida 33907
Phone (239) 936-8266
Fax (239) 936-0737

FIGURE 4 - GROUNDWATER ANALYTICAL RESULTS - PFAS (PROVISIONAL GCTL EXCEEDANCES ONLY)

SW PORTION (50 AC) OF
11900 STATE ROAD 82
FORT MYERS, FLORIDA

PROJECT No:

DATE: 01/29/24

JOHN P. HERMAN, PE
NAME

SIGNATURE

87933
PE LICENSE #

DATE
29759
AMRC AUTHORIZATION NUMBER

Tables

TABLE 1
Soil OVA Screening Summary
16070 Tamiami Trail, Punta Gorda, FL - Phase II

See Notes at End of Table

SAMPLE ID	DATE	DEPTH (feet)	Net OVA (ppm)	Moisture	Comments
MW-1	10/25/2023	0 - 2	30.9	W	Sewage odor
		2 - 4	0.0	W	
		4 - 6	0.0	W	
		6 - 8	0.0	S	
		8 - 10	0.0	S	
		10 - 12	0.0	S	
MW-2	10/25/2023	0 - 2	0.6	M	
		2 - 4	4.5	W	
		4 - 6	0.0	W	
		6 - 8	0.0	W	
		8 - 10	0.4	W	
		10 - 12	0.4	W	
MW-3	10/25/2023	0 - 2	0.0	W	
		2 - 4	0.0	S	
		4 - 6	0.0	S	
		6 - 8	0.0	S	
		8 - 10	0.4	S	
		10 - 12	0.4	S	
MW-4	10/25/2023	0 - 2	50.9	M	Sewage odor (all intervals)
		2 - 4	56.2	W	
		4 - 6	53.6	W	
		6 - 8	43.5	S	
		8 - 10	36.9	S	
MW-5	10/25/2023	0 - 2	26.5	M	Sewage odor (all intervals)
		2 - 4	22.7	W	
		4 - 6	28.7	W	
		6 - 8	33.5	W	
		8 - 10	39.9	W	
MW-6	10/25/2023	0 - 2	6.2	M	
		2 - 4	95.4	M	Sewage odor
		4 - 6	15.7	W	Sewage odor
		6 - 8	26.7	S	Sewage odor
		8 - 10	9.1	S	

Notes:

D = Dry
M = Moist
S = Saturated
W = Wet

ft = feet
fbls = feet below land surface

ppm = parts per million

TABLE 2: GROUNDWATER ELEVATION SUMMARY

SR-82 MRF Phase II ESA

WELL NO.	MW-1			MW-2			MW-3			MW-4			MW-5			MW-6		
WELL DIAMETER (INCHES)	1.5			1.5			1.5			1.5			1.5			1.5		
WELL DEPTH (FEET)	10.5			11.0			10.0			11.0			10.5			11.0		
SCREEN INTERVAL (FT BTOC)	0.5 - 10.5			1.0 - 11.0			0.0 - 10.0			1.0 - 11.0			0.5 - 10.5			1.0 - 11.0		
GROUND ELEVATION (FEET)	20.00			22.20			20.50			22.20			21.50			22.90		
BASE BM ELEVATION (FEET)	20.31			22.60			20.89			22.45			21.71			23.04		
STICKUP HEIGHT (FEET)	3.94			3.81			3.79			3.93			4.17			4.13		
TOC ELEVATION (FEET)	24.25			26.41			24.68			26.38			25.88			27.17		
DATE	ELEV	DTW	DTW*	ELEV	DTW	DTW*	ELEV	DTW	DTW*	ELEV	DTW	DTW*	ELEV	DTW	DTW*	ELEV	DTW	DTW*
10/31/2023	19.00	5.25	1.31	20.59	5.82	2.01	19.93	4.75	0.96	21.38	5.00	1.07	20.68	5.20	1.03	20.10	7.07	2.94

Notes:

All measurements in feet, unless otherwise noted
ELEV = Water-Table Elevation (feet)
TOC data from 11/2/2023 top of casing survey by Johnson Engineering (NAVD88)
DTW = Depth-To-Water (feet) below TOC
DTW* = Depth-To-Water (feet) below Ground Elevation
DIF = Difference in DTW from previous event (feet)

NA = Not Available
TOC = Top of Casing
FT BTOC = Feet Below Top of Casing
Blank = no data
BM = Benchmark

TABLE 3: GROUNDWATER ANALYTICAL SUMMARY - Metals and Wet Chemistry

SR-82 MRF Phase II ESA

See notes at end of table.

Sample		Laboratory Analysis - Metals														Laboratory Analysis - Wet Chemistry				
Location	Date	Total Barium (µg/L)	Total Selenium (µg/L)	Total Silver (µg/L)	Total Mercury (µg/L)	Total Arsenic (µg/L)	Total Cad-mium (µg/L)	Total Chro-mium (µg/L)	Total Lead (µg/L)	Manganese (µg/L)	Potassium (µg/L)	Sodium (µg/L)	Calcium (µg/L)	Iron (µg/L)	Zinc (µg/L)	Ammonia (ug/l)	Nitrate (ug/l)	Sulfate (ug/l)	Chloride (ug/l)	TDS SU
MW-1	10/31/2023	110	20 U	8.0 U	0.011 U	8.0 U	1.0 U	5.0 U	3.0 U	**55**	29,000	67,000	140,000	**5,600**	50 U	1,300	23 U	1900 I	150,000	**680,000**
MW-2	10/31/2023	50	20 U	8.0 U	0.011 U	8.0 U	1.0 U	5.0 U	3.0 U	**65**	11,000	130,000	150,000	**7,700**	50 U	410	120 U	480 I	**310,000**	**960,000**
MW-3	10/31/2023	280	20 U	8.0 U	0.060 I	8.0 U	1.0 U	5.0 U	3.0 U	**130**	33,000	**320,000**	28,000	**19,000**	50 U	**5,700**	120 U	810 I	**680,000**	**1,800,000**
MW-4	10/31/2023	170	20 U	8.0 U	0.011 U	8.0 U	1.0 U	5.0 U	3.2 I	**65**	50,000	160,000	190,000	**5,800**	50 U	**7,200**	120 U	56,000	**310,000**	**1,100,000**
MW-5	10/31/2023	340	20 U	8.0 U	0.034 I	8.0 U	1.0 U	5.3 I	4.2 I	**62**	320,000	130,000	150,000	**15,000**	50 U	**26,000**	120 U	110,000	**280,000**	**1,600,000**
MW-6	10/31/2023	33	20 U	8.0 U	0.018 I	**18**	1.0 U	5.0 U	3.6 I	**84**	17,000	2,500	160,000	**13,000**	50 U	410	23 U	37,000	18,000	**510,000**
GCTLs/MCL		2000**	500**	100**	2**	10**	5**	100**	15**	50	NA	160,000	NA	300	5,000	2,800	10,000	250,000	250,000	500,000
NADCs		20,000	5,000	1,000	20	100	50	1,000	150	500	NA	1,600,000	NA	3,000	50,000	28,000	100,000	2,500,000	2,500,000	5,000,000

Notes:
Bold = Criteria Exceedance
NA = Not Available.
NS = Not Sampled.
GCTLs = Groundwater Cleanup Target Levels specified in Table I of Chapter 62-777, F.A.C.
NADCs = Natural Attenuation Default Source Concentrations specified in Table V of Chapter 62-777, F.A.C.
** = As provided in Chapter 62-550, F.A.C.
MCL = Maiximum Contaminant Level (primary drinking water std)
I = Detected between the method detection limit and practical quantitation limit
U = Not Detected at Concentration Shown

If an analyte is not detected, report the method detection limit [i.e., 0.01 U or ND(0.01); BDL or <0.01 are not acceptable].
Freshwater Surface Water (FSW), Marine Surface Water (MSW) and Groundwater of Low Yield/Poor Quality (LY/PQ) CTLs should be added to the base of the table as applicable.

TABLE 4: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY - Priority Pollutant Volatile Organics by 8260

SR-82 MRF Phase II ESA

See notes at end of table.

Sample		1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethylene	1,2,4-Trimethylbenzene	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2-Chloroethyl Vinyl Ether	Acrolein (Propenal)	Acrylonitrile	Benzene	Bromodichloromethane	Bromoform	Bromomethane	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethylene	cis-1,3-Dichloropropene	Dibromochloromethane	Dichlorodifluoromethane	Ethylbenzene	Isopropylbenzene	Methyl tert-butyl Ether (MTBE)	Methylene Chloride	Tetrachloroethelene (PCE)	Toluene	Total Xylenes	trans-1,2-Dichloroethene	trans-1,3-Dichloropropylene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride
Location	Date	(µg/L)	(ug/L)	(ug/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(ug/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
MW-1	10/31/2023	0.39 U	0.20 U	0.40 U	0.38 U	0.41 U	0.41 U	0.44 U	0.40 U	0.18 U	0.39 U	0.40 U	0.36 U	0.79 U	1.8 U	0.38 U	0.28 U	0.39 U	0.36 U	0.32 U	0.41 U	0.38 U	0.42 U	0.37 U	0.39 U	0.39 U	0.26 U	0.36 U	0.53 U	0.56 U	0.42 U	0.71 U	0.56 U	0.45 U	0.66 U	1.3 U	0.39 U	0.26 U	0.32 U	0.26 U	0.44 U
MW-2	10/31/2023	0.39 U	0.20 U	0.40 U	0.38 U	0.41 U	0.41 U	0.44 U	0.40 U	0.18 U	0.39 U	0.40 U	0.36 U	0.79 U	1.8 U	0.38 U	0.28 U	0.39 U	0.36 U	0.32 U	0.41 U	0.38 U	0.42 U	0.37 U	0.39 U	0.39 U	0.26 U	0.36 U	0.53 U	0.56 U	0.42 U	0.71 U	0.56 U	0.45 U	0.66 U	1.3 U	0.39 U	0.26 U	0.32 U	0.26 U	0.44 U
MW-3	10/31/2023	0.39 U	0.20 U	0.40 U	0.38 U	0.41 U	0.41 U	0.44 U	0.40 U	0.18 U	0.39 U	0.40 U	0.36 U	0.79 U	1.8 U	0.38 U	0.28 U	0.39 U	0.36 U	0.32 U	0.41 U	0.38 U	0.42 U	0.37 U	0.39 U	0.39 U	0.26 U	0.36 U	0.53 U	0.56 U	**0.95 I**	1.1	0.56 U	0.45 U	0.66 U	1.3 U	0.39 U	0.26 U	0.32 U	0.26 U	0.44 U
MW-4	10/31/2023	0.39 U	0..20 U	0.40 U	0.38 U	0.41 U	0.41 U	0.44 U	0.40 U	0.18 U	0.39 U	0.40 U	0.36 U	0.79 U	1.8 U	0.38 U	0.28 U	0.39 U	0.36 U	0.32 U	0.41 U	0.38 U	0.42 U	0.37 U	0.39 U	0.39 U	0.26 U	0.36 U	0.53 U	0.56 U	0.42 U	0.71 U	0.56 U	0.45 U	0.66 U	1.3 U	0.39 U	0.26 U	0.32 U	0.26 U	0.44 U
MW-5	10/31/2023	0.39 U	0.20 U	0.40 U	0.38 U	0.41 U	0.41 U	0.44 U	0.40 U	0.18 U	0.39 U	0.40 U	0.36 U	0.79 U	1.8 U	0.38 U	0.28 U	0.39 U	0.36 U	0.32 U	0.41 U	0.38 U	0.42 U	0.37 U	0.39 U	0.39 U	0.26 U	0.36 U	0.53 U	0.56 U	0.42 U	0.71 U	0.56 U	0.45 U	0.66 U	1.3 U	0.39 U	0.26 U	0.32 U	0.26 U	0.44 U
MW-6	10/31/2023	0.39 U	0.20 U	0.40 U	0.38 U	0.41 U	0.41 U	0.44 U	0.40 U	0.18 U	0.39 U	0.40 U	0.36 U	0.79 U	1.8 U	0.38 U	0.28 U	0.39 U	0.36 U	0.32 U	0.41 U	0.38 U	0.42 U	0.37 U	0.39 U	0.39 U	0.26 U	0.36 U	0.53 U	0.56 U	0.42 U	0.71 U	0.56 U	0.45 U	0.66 U	1.3 U	0.39 U	0.26 U	0.32 U	0.26 U	0.44 U
GCTLs/MCL		200	0.2	5	70	7	10	600	3	5	10	210	75	NA	3.5	0.06	1**	0.6	4.4	9.8	3	100	12	70	2.7	70	0.4	0.4	1400	30**	0.8	20	5	3	40**	20**	100	0.4	3	2100	1
NADCs		2000	20	50	700	70	100	6000	300	500	100	2,100	7,500	NA	35	6	100	60	440	98	300	1,000	1,200	700	270	700	40	40	14,000	300	8	200	500	300	400	200	1,000	40	300	21,000	100

Notes:
Bold = Criteria Exceedance
NA = Not Available.
NS = Not Sampled.
GCTLs = Groundwater Cleanup Target Levels specified in Table I of Chapter 62-777, F.A.C.
NADCs = Natural Attenuation Default Source Concentrations specified in Table V of Chapter 62-777, F.A.C.
** = As provided in Chapter 62-550, F.A.C.
ug/L = Micrograms per liter
MCL = Maiximum Contaminant Level (primary drinking water std)
I = Detected between the method detection limit and practical quantitation limit
U = Not Detected at Concentration Shown

If an analyte is not detected, report the method detection limit [i.e., 0.01 U or ND(0.01); BDL or <0.01 are not acceptable].
Freshwater Surface Water (FSW), Marine Surface Water (MSW) and Groundwater of Low Yield/Poor Quality (LY/PQ) CTLs should be add to the base of the table as applicable.

TABLE 5: GROUNDWATER ANALYTICAL SUMMARY - PAHs and TRPHs

SR-82 MRF Phase II ESA

See notes at end of table.

Sample		TRPH	Naph-thalene	1-Methyl-naph-thalene	2-Methyl-naph-thalene	Acen-aph-thene	Acen-aph-thylene	Anthra-cene	Benzo (g,h,i) pery-lene	Fluoran-thene	Fluor-ene	Phenan-threne	Pyrene	Benzo (a) pyrene	Benzo (a) anthra-cene	Benzo (b) fluoran-thene	Benzo (k) fluoran-thene	Chry-sene	Dibenz (a,h) anthra-cene	Indeno (1,2,3-cd) pyrene
Location	**Date**	**(µg/L)**	**(µg/L)**	**(µg/L)**	**(µg/L)**	**(µg/L)**	**(µg/L)**	**(µg/L)**	**(µg/L)**	**(µg/L)**	**(µg/L)**	**(µg/L)**	**(µg/L)**	**(µg/L)**	**(µg/L)**	**(µg/L)**	**(µg/L)**	**(µg/L)**	**(µg/L)**	**(µg/L)**
MW-1	10/31/2023	530 U	0.048 U	0.050 U	0.049 U	0.040 U	0.042 U	0.035 U	0.15 I	0.037 U	0.038 U	0.040 U	0.036 U	0.14 I	0.036 I	0.14 I	0.13 I	0.089 I	0.14 I	0.11 I
MW-2	10/31/2023	530 U	0.048 U	0.050 U	0.049 U	0.040 U	0.042 U	0.035 U	0.048 U	0.037 U	0.038 U	0.040 U	0.036 U	0.037 U	0.012 U	0.012 U	0.048 U	0.033 U	0.024 U	0.011 U
MW-3	10/31/2023	1400	0.048 U	0.050 U	0.049 U	0.040 U	0.042 U	0.085 I	0.11 I	0.037 U	0.039 U	0.040 U	0.048 I	0.13 I	0.043 I	0.12 I	0.13 I	0.077 I	0.12 I	0.11 I
MW-4	10/31/2023	520 U	0.048 U	0.050 U	0.049 U	0.040 U	0.042 U	0.035 U	0.048 U	0.037 U	0.038 U	0.040 U	0.036 U	0.037 U	0.012 U	0.012 U	0.048 U	0.033 U	0.024 U	0.011 U
MW-5	10/31/2023	940	0.048 U	0.050 U	0.049 U	0.040 U	0.042 U	0.035 U	0.048 U	0.037 U	0.038 U	0.040 U	0.036 U	0.037 U	0.012 U	0.012 U	0.048 U	0.033 U	0.024 U	0.011 U
MW-6	10/31/2023	540 U	0.048 U	0.050 U	0.049 U	0.040 U	0.042 U	0.035 U	0.048 U	0.037 U	0.038 U	0.040 U	0.036 U	0.037 U	0.012 U	0.012 U	0.048 U	0.033 U	0.024 U	0.011 U
GCTLs/MCLs		5,000	14	28	28	20	210	2,100	210	280	280	210	210	0.2**	0.05[a]	0.05[a]	0.5	4.8	0.005[a]	0.05[a]
NADCs		50,000	140	280	280	200	2,100	21,000	2,100	2,800	2,800	2,100	2,100	20	5	5	50	480	0.5	5

Notes:

Bold = Criteria Exceedance

= Not considered an exceedance based on the May 14, 2007 "Quality Assurance and Related Issues" PQL guidance document https://floridadep.gov/sites/default/files/Quality-Assurance_14May07.pdf

NA = Not Available.

NS = Not Sampled.

I = Detected between the method detection limit and practical quantitation limit

U = Not Detected at Concentration Shown

MCL = Maiximum Contaminant Level (primary drinking water std)

GCTLs = Groundwater Cleanup Target Levels specified in Table I of Chapter 62-777, F.A.C.

NADCs = Natural Attenuation Default Source Concentrations specified in Table V of Chapter 62-777, F.A.C.

** = As provided in Chapter 62-550, F.A.C.

TABLE 6: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY - Semi Volatile Organic Compounds by 8270

SR-82 MRF Phase II ESA

See notes at end of table

Sample Location	Date	1,2,4-Trichlorobenzene (µg/L)	1,2-Dichlorobenzene (µg/L)	1,2-Diphenylhydrazine (µg/L)	1,3-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	2,4,6-Trichlorophenol (µg/L)	2,4-Dichlorophenol (µg/L)	2,4-Dimethylphenol (µg/L)	2,4-Dinitrophenol (µg/L)	2,4-Dintrotoluene (2,4-DNT) (µg/L)	2,6-Dinitrotoluene (2,6-DNT) (µg/L)	2-Chloronaphthalene (µg/L)	2-Chlorophenol (µg/L)	2-Nitrophenol (µg/L)	3,3-Dichlorobenzidine (µg/L)	2-Methyl-4,6-dinitrophenol (µg/L)	4-Bromophenyl Phenyl Ether (µg/L)	4-Chloro-3-methylphenol (µg/L)	4-Chlorophenyl Phenyl Ether (µg/L)	4-Nitrophenol (µg/L)	Benzidine (µg/L)
MW-1	10/31/2023	0.69 U	1.4 U	0.96 U	1.0 U	2.0 U	1.4 U	0.90 U	2.6 U	1.1 U	1.8 U	2.0 U	1.7 U	1.5 U	0.63 U	1.3 U	1.2 U	1.1 U	0.63 U	1.6 U	2.9 U	1.2 U
MW-2	10/31/2023	0.69 U	1.4 U	0.96 U	1.0 U	2.0 U	1.4 U	0.90 U	2.6 U	1.1 U	1.8 U	2.0 U	1.7 U	1.5 U	0.63 U	1.3 U	1.2 U	1.1 U	0.63 U	1.6 U	2.9 U	1.2 U
MW-3	10/31/2023	0.70 U	1.4 U	0.97 U	1.0 U	2.0 U	1.4 U	0.91 U	2.6 U	1.1 U	1.9 U	2.0 U	1.7 U	1.5 U	0.64 U	1.3 U	1.2 U	1.1 U	0.64 U	1.7 U	2.9 U	1.2 U
MW-4	10/31/2023	0.69 U	1.4 U	0.96 U	1.0 U	2.0 U	1.4 U	0.90 U	2.6 U	1.1 U	1.8 U	2.0 U	1.7 U	1.5 U	0.63 U	1.3 U	1.2 U	1.1 U	0.63 U	1.6 U	2.9 U	1.2 U
MW-5	10/31/2023	0.69 U	1.4 U	0.96 U	1.0 U	2.0 U	1.4 U	0.90 U	2.6 U	1.1 U	1.8 U	2.0 U	1.7 U	1.5 U	0.63 U	1.3 U	1.2 U	1.1 U	0.63 U	1.6 U	2.9 U	1.2 U
MW-6	10/31/2023	0.69 U	1.4 U	0.96 U	1.0 U	2.0 U	1.4 U	0.90 U	2.6 U	1.1 U	1.8 U	2.0 U	1.7 U	1.5 U	0.63 U	1.3 U	1.2 U	1.1 U	0.63 U	1.6 U	2.9 U	1.2 U
GCTLs		70	600	0.04	210	75	3.2	0.3	140	14	0.05	0.05	560	35	NA	0.08	NA	NA	63	NA	56	0.0002
NADCs		700	6000	4	2100	7,500	320	3	1,400	140	5	5	5600	350	NA	8	NA	NA	630	NA	560	0.02

Sample Location	Date	bis (2-chlorothoxy) methane (ug/L)	bis(2-Chloroethyl) Ether (µg/L)	bis(2-Chloroisopropyl) Ether (µg/L)	bis(2-Ethylhexyl) phthalate (µg/L)	Butyl benzyl phthalate (µg/L)	Di-n-Butyl Phthalate (µg/L)	Di-n-octyl Phthalate (µg/L)	Diethyl phthalate (µg/L)	Dimethyl phthalate (µg/L)	Hexachloro benzene (µg/L)	Hexachloro butadiene (µg/L)	Hexachloro cyclopentadiene (µg/L)	Hexachloro ethane (ug/L)	Isophorone (µg/L)	N-Nitrosodi-N-propylamine (µg/L)	N-Nitrosodimethylamine (µg/L)	N-Nitrosodiphenylamine (µg/L)	Nitrobenzene (µg/L)	Pentachlorophenol (ug/L)	Phenol (ug/L)
MW-1	10/31/2023	1.2 U	1.5 U	1.4 U	2.0 U	1.1 U	0.88 U	1.2 U	2.1 U	1.8 U	0.99 U	1.3 U	1.0 U	1.2 U	1.1 U	2.2 U	0.93 U	2.1 U	1.1 U	0.95 U	0.54 U
MW-2	10/31/2023	1.2 U	1.5 U	1.4 U	2.0 U	1.1 U	0.88 U	1.2 U	2.1 U	1.8 U	0.99 U	1.3 U	1.0 U	1.2 U	1.1 U	2.2 U	0.93 U	2.1 U	1.1 U	0.95 U	0.54 U
MW-3	10/31/2023	1.2 U	1.5 U	1.4 U	2.0 U	1.1 U	0.89 U	1.2 U	2.1 U	1.8 U	1.0 U	1.3 U	1.1 U	1.3 U	1.1 U	2.3 U	0.94 U	2.1 U	1.2 U	0.96 U	0.55 U
MW-4	10/31/2023	1.2 U	1.5 U	1.4 U	2.0 U	1.1 U	0.88 U	1.2 U	2.1 U	1.8 U	0.99 U	1.3 U	1.0 U	1.2 U	1.1 U	2.2 U	0.93 U	2.1 U	1.1 U	0.95 U	0.54 U
MW-5	10/31/2023	1.2 U	1.5 U	1.4 U	2.0 U	1.1 U	0.88 U	1.2 U	2.1 U	1.8 U	0.99 U	1.3 U	1.0 U	1.2 U	1.1 U	2.2 U	0.93 U	2.1 U	1.1 U	0.95 U	0.54 U
MW-6	10/31/2023	1.2 U	1.5 U	1.4 U	2.0 U	1.1 U	0.88 U	1.2 U	2.1 U	1.8 U	0.99 U	1.3 U	1.0 U	1.2 U	1.1 U	2.2 U	0.93 U	2.1 U	1.1 U	0.95 U	0.54 U
GCTLs/MCLs		NA	0.03	0.5	6	6	700	140	5600	70000	1	0.4	50	2.5	37	0.005	0.0007	7.1	3.5	1	10
NADCs		NA	3	50	600	600	7000	1400	56000	700000	100	40	500	250	3700	0.5	0.07	710	35	100	100

Notes: NA = Not Available.

NS = Not Sampled.

U = Undetected at concentration listed

I = detected at a concentration between the PQL and MDL

GCTLs = Groundwater Cleanup Target Levels specified in Table I of Chapter 62-777, F.A.C.

NADCs = Natural Attenuation Default Source Concentrations specified in Table V of Chapter 62-777, F.A.C.

MCL = Maiximum Contaminant Level (primary drinking water std)

** = As provided in Chapter 62-550, F.A.C.

[a] = See the October 12, 2004 "Guidance for the Selection of Analytical Methods and for the Evaluation of Practical Quantitation Limits" to determine how to evaluatie data when the CTL is lower than the PQL.

ug/L = Micrograms per liter

If an analyte is not detected, report the method detection limit [i.e., 0.01 U or ND(0.01); BDL or <0.01 are not acceptable].

Freshwater Surface Water (FSW), Marine Surface Water (MSW) and Groundwater of Low Yield/Poor Quality (LY/PQ) CTLs should be added to the base of the table as applicable.

TABLE 7: GROUNDWATER ANALYTICAL SUMMARY - Organochlorine Pesticides, Organophosphorus Compounds, Chlorinated Herbicides, PCBs (EPA METHODS - 8081, 8082, 8141, 8151)

SR-82 MRF Phase II ESA

See notes at end of table.

Sample		EPA 8151 (Chlorinated Herbicides)									EPA 8081 (Organochlorine Pesticides)																	
Location	Date	2,4,5-T (ug/L)	2,4-D (ug/L)	2,4-DB (ug/L)	Dalapon (ug/L)	Dicamba (ug/L)	Dichloroprop (ug/L)	Dinoseb (ug/L)	Pentachlorophenol (ug/L)	Silvex (2,4,5-TP) (ug/L)	4,4'-DDD (ug/L)	4,4'-DDE (ug/L)	4,4'-DDT (ug/L)	Aldrin (ug/L)	Chlorodane (technical) (ug/L)	Dieldrin (ug/L)	Endosulfan I (ug/L)	Endosulfan II (ug/L)	Endosulfan Sulfate (ug/L)	Endrin (ug/L)	Endrin Aldehyde (ug/L)	Heptachlor (ug/L)	Heptachlor Epoxide (ug/L)	Methoxychlor (ug/L)	Toxaphene (ug/L)	alpha - BHC (ug/L)	beta - BHC (ug/L)	delta - BHC (ug/L)	gamma - BHC (Lindane) (ug/L)
MW-1	10/31/2023	2.0 U	2.0 U	2.0 U	8.0 U	1.0 U	2.0 U	0.70 U	0.30 U	1.0 U	0.0016 U	0.0037 U	0.0021 U	0.0019 U	0.053 U	0.0011 U	0.0031 U	0.0026 U	0.0032 U	0.0017 U	0.0025 U	0.0035 U	0.0017 U	0.0058 U	0.12 U	0.0030 U	0.0019 U	0.00086 U	0.0018 U
MW-2	10/31/2023	2.0 U	2.0 U	2.0 U	8.0 U	1.0 U	2.0 U	0.70 U	0.30 U	1.0 U	0.0016 U	0.0037 U	0.0021 U	0.0019 U	0.053 U	0.0011 U	0.0031 U	0.0026 U	0.0032 U	0.0017 U	0.0025 U	0.0035 U	0.0017 U	0.0058 U	0.12 U	0.0030 U	0.0019 U	0.00086 U	0.0018 U
MW-3	10/31/2023	2.0 U	2.0 U	2.0 U	8.0 U	1.0 U	2.0 U	0.70 U	0.30 U	1.0 U	0.0016 U	0.0037 U	0.0021 U	0.0019 U	0.053 U	0.0011 U	0.0031 U	0.0026 U	0.0032 U	0.0017 U	0.0025 U	0.0035 U	0.0017 U	0.0058 U	0.12 U	0.0030 U	0.0019 U	0.00086 U	0.0018 U
MW-4	10/31/2023	2.0 U	2.0 U	2.0 U	8.0 U	1.0 U	2.0 U	0.70 U	0.30 U	1.0 U	0.0016 U	0.0037 U	0.0021 U	0.0019 U	0.053 U	0.0011 U	0.0031 U	0.0026 U	0.0032 U	0.0017 U	0.0025 U	0.0035 U	0.0017 U	0.0058 U	0.12 U	0.0030 U	0.0019 U	0.00086 U	0.0018 U
MW-5	10/31/2023	2.0 U	2.0 U	2.0 U	8.0 U	1.0 U	2.0 U	0.70 U	0.30 U	1.0 U	0.0016 U	0.0037 U	0.0021 U	0.0019 U	0.053 U	0.0011 U	0.0031 U	0.0026 U	0.0032 U	0.0017 U	0.0025 U	0.0035 U	0.0017 U	0.0058 U	0.12 U	0.0030 U	0.0019 U	0.00086 U	0.0018 U
MW-6	10/31/2023	2.0 U	2.0 U	2.0 U	8.0 U	1.0 U	2.0 U	0.70 U	0.30 U	1.0 U	0.0016 U	0.0037 U	0.0021 U	0.0019 U	0.053 U	0.0011 U	0.0031 U	0.0026 U	0.0032 U	0.0017 U	0.0025 U	0.0035 U	0.0017 U	0.0058 U	0.12 U	0.0030 U	0.0019 U	0.00086 U	0.0018 U
GCTLs/MCLs		70	70	56	200	210	35	7	1	50	0.1	0.1	0.1	0.002	2	0.002	NA	NA	42	2	NA	0.4	0.2	40	3	0.006	0.02	2.1	0.2
NADCs		700	700	560	2000	2100	350	70	100	500	10	10	10	0.2	200	0.2	NA	NA	420	20	NA	40	20	400	300	0.6	2	21	20

Sample		EPA 8141 (Organophosphorus Pesticides)																					EPA 8082 (PCBs)							
Location	Date	Atrazine (ug/L)	Azinphos-methyl (ug/L)	Chlorpyrifos (ug/L)	Chlorpyrios - Methyl (ug/L)	Demeton (ug/L)	Diazinon (ug/L)	Dimethoate (ug/L)	Disulfoton (ug/L)	Ethion (ug/L)	Ethoprop (ug/L)	Famphur (ug/L)	Fensulfothion (ug/L)	Fonophos (ug/L)	Malathion (ug/L)	Merphos (ug/L)	Methyl Parathion (ug/L)	Mevinphos (ug/L)	Parathion (Ethyl) (ug/L)	Phorate (ug/L)	Phosmet (ug/L)	Ronnel (ug/L)	Simazine (ug/L)	Aroclor 1016 (ug/L)	Aroclor 1221 (ug/L)	Aroclor 1232 (ug/L)	Aroclor 1242 (ug/L)	Aroclor 1248 (ug/L)	Aroclor 1254 (ug/L)	Aroclor 1260 (ug/L)	Total PCBs (ug/L)
MW-1	10/31/2023	0.071 U	0.057 U	0.041 U	0.060 U	0.060 U	0.055 U	0.054 U	0.041 U	0.069 U	0.047 U	0.11 U	0.047 U	0.050 U	0.073 U	0.057 U	0.054 U	0.055 U	0.064 U	0.044 U	0.076 U	0.048 U	0.072 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
MW-2	10/31/2023	0.071 U	0.057 U	0.041 U	0.060 U	0.060 U	0.055 U	0.054 U	0.041 U	0.069 U	0.047 U	0.11 U	0.047 U	0.050 U	0.073 U	0.057 U	0.054 U	0.055 U	0.064 U	0.044 U	0.076 U	0.048 U	0.072 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
MW-3	10/31/2023	0.071 U	0.057 U	0.041 U	0.060 U	0.060 U	0.055 U	0.054 U	0.041 U	0.069 U	0.047 U	0.11 U	0.047 U	0.050 U	0.073 U	0.057 U	0.054U	0.055U	0.064 U	0.044 U	0.076 U	0.048 U	0.072 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
MW-4	10/31/2023	0.071 U	0.057 U	0.041 U	0.060 U	0.060 U	0.055 U	0.054 U	0.041 U	0.069 U	0.047 U	0.11 U	0.047 U	0.050 U	0.073 U	0.057 U	0.054 U	0.055 U	0.064 U	0.044 U	0.076 U	0.048 U	0.072 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
MW-5	10/31/2023	0.071 U	0.057 U	0.041 U	0.060 U	0.060 U	0.055 U	0.054 U	0.041 U	0.069 U	0.047 U	0.11 U	0.047 U	0.050 U	0.073 U	0.057 U	0.054 U	0.055 U	0.064 U	0.044 U	0.076 U	0.048 U	0.072 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
MW-6	10/31/2023	0.071 U	0.057 U	0.041 U	0.060 U	0.060 U	0.055 U	0.054 U	0.041 U	0.069 U	0.047 U	0.11 U	0.047 U	0.050 U	0.073 U	0.057 U	0.054 U	0.055 U	0.064 U	0.044 U	0.076 U	0.048 U	0.072 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
GCTLs/MCLs		3	11	21	70	0.3	6.3	1.4	0.3	3.5	0.7	3.5	1.8	14	140	0.2	1.8	1.8	1.8	1.4	140	350	4	NA	NA	NA	NA	NA	NA	NA	0.5
NADCs		300	110	210	700	3	63	14	3	35	7	35	18	140	1400	2	18	18	18	14	1400	3500	400	NA	NA	NA	NA	NA	NA	NA	50

Notes:
NA = Not Available.
NS = Not Sampled.
GCTLs = Groundwater Cleanup Target Levels specified in Table I of Chapter 62-777, F.A.C.
MCL = Maiximum Contaminant Level (primary drinking water std)
NADCs = Natural Attenuation Default Source Concentrations specified in Table V of Chapter 62-777, F.A.C.

ug/L = Micrograms per liter
U = Undetected at concentration listed
I = Detected between the method detection limit and practical quantitation limit

TABLE 8: GROUNDWATER ANALYTICAL SUMMARY - PFAS

SR-82 MRF Phase II ESA

See notes at end of table.

		PFOA	PFOS	PFOA + PFOS	HFPO-DA	PFBS	PFHxS	PFNA	Hazard Index	ADONA	11Cl-PF3OUdS	9Cl-PF3ONs	4:2 FTS	6:2 FTS	8:2 FTS	NFDHA	PFBA	PFDA	PFDoA	PFHpS	PFHpA	PFHxA	PFMBA	PFMPA	PFPeS	PFPeA	PFUnA	PFEESA
Location	Date	(ng/L)	(ng/L)	(ng/L)	(ng/L)	(ng/L)	(ng/L)	(ng/L)	Unitless	(ng/L)	(ng/L)	(ng/L)	(ng/L)	(ng/L)	(ng/L)	(ng/L)	(ng/L)	(ng/L)	(ng/L)	(ng/L)	(ng/L)	(ng/L)	(ng/L)	(ng/L)	(ng/L)	(ng/L)	(ng/L)	(ng/L)
MW-1	10/31/2023	50 I	20 U	50 I	20 U	20 U	20 U	20 U	NA	20 U	20 U	20 U	20 U	20 U	20 U	20 U	47 I	20 U	20 U	20 U	20 U	49 I	20 U	20 U	20 U	47 I	20 U	20 U
MW-2	10/31/2023	**79 I**	20 U	**79 I**	20 U	41 I	100	20 U	11.1	20 U	20 U	20 U	20 U	20 U	20 U	20 U	93	20 U	20 U	20 U	51 I	200	20 U	20 U	20 U	130	20 U	20 U
MW-3	10/31/2023	**190**	55 I	**245 I**	20 U	48 I	170	20 U	18.9	20 U	20 U	20 U	20 U	20 U	20 U	20 U	210	20 U	20 U	20 U	97	290	20 U	20 U	20 U	200	20 U	20 U
MW-4	10/31/2023	**150**	60 I	**210 I**	20 U	68 I	58 I	20 U	6.5	20 U	20 U	20 U	20 U	20 U	20 U	20 U	77 I	20 U	20 U	20 U	75 I	140	20 U	20 U	20 U	140	20 U	20 U
MW-5	10/31/2023	52 I	20 U	52 I	20 U	20 U	20 U	20 U	NA	20 U	20 U	20 U	20 U	20 U	20 U	20 U	44 I	20 U	20 U	20 U	20 U	45 I	20 U	20 U	20 U	45 I	20 U	20 U
MW-6	10/31/2023	6.8 I	10	16.8 I	2.0 U	2.0 U	2.0 U	2.0 U	NA	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	6.4 I	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Provisional GCTLs		**70**	**70**	**70**																								

PFAS - Per-and Polyfluoroalkyl Substances
GCTLs = Groundwater Cleanup Target Levels
MCL = Maiximum Contaminant Level (primary drinking water std)
These were developed using the non-cancer GCTL equation in Chapter 62-777, F.A.C.
I = Detected between the practical quantitation limit and method detection limit
If an analyte is not detected, report the method detection limit [i.e., 0.01 U or ND(0.01); BDL or <0.01 are not acceptable].
ng/l = nanogram per liter or parts per trillion
Hazard Index = (HFPO-DA/10) + (PFBS/2000) +(PFHxS/9.0) + (PFNA/10)
PFOA - Perfluorooctanoic acid
PFOS - Perfluorooctanesulfonic acid
HFPO-DA - Hexafluoropropylene Oxide Dimer Acid (AKA GenX)
PFBS - Perfluorobutane sulfonate
PFHxS - Perfluorohexanesulphonic acid
PFNA - Perfluorononanoic acid
ADONA - 4,8-dioxa-3H-perfluorononanoic acid
11Cl-PF3OUdS - 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid
9Cl-PF3ONS - Perfluoro(2-((6-chlorohexyl)oxy)ethanesulfonic acid)
4:2 FTS - 4:2 Fluorotelomer sulfonic acid
6:2 FTS - 6:2 Fluorotelomer sulfonic acid
8:2 FTS - 84:2 Fluorotelomer sulfonic acid
NFDHA - Nonafluoro-3,6-dioxaheptanoic acid
PFBA - Perfluorobutanoic acid
PFDA - Perfluorodecanoic acid
PFDoA - Perfluorododecanoic acid
PFHpS - Perfluoroheptanesulfonic acid
PFHpA - Perfluoroheptanoic acid
PFHxA - Perfluorohexanoic acid
PFMBA - Perfluoro(4-methoxybutanoic) acid
PFMPA - Perfluoro-3-methoxypropanoic acid
PFPeS - Perfluoropentane sulfonic acid
PFPeA - Perfluoropentanoic acid
PFUnA - Perfluoroundecanoic acid
PFEESA - Perfluoro(2-ethoxyethane)sulphonic acid

Attachment A

Site Photographic Documentation, Field Notes, Soil Boring Logs, Well Completion Report, Well Permit, Monitoring Well Construction and Development Logs, Groundwater SamplingLogs, Calibration Documentation

Photo 1: General Site Photo

Photo 2: General Site Photo

Photo 3: General Site Photo

Photo 4: General Site Photo

Photo 5: MW-4 DPT install begins

Photo 6: MW-4 riser and concrete pad install.

Photo 7: MW-6 concrete pad and riser install.

Photo 8: MW-3 DPT install

	
Photo 9: MW-3 riser and concrete pad install.	Photo 10: MW-1 DPT install

	
Photo 11: MW-1 riser and concrete pad install.	Photo 12: MW-2 DPT install.

Photo 13: MW-2 riser and concrete pad install.

Photo 14: JAEE Drillers leaving site.

Photo 15: MW-4 development

Photo 16: MW-4 Completion

	
Photo 17: Test Pit (TP) #1	Photo 18: TP #1
	
Photo 19: TP #2	Photo 20: TP#2

	
Photo 21: Ballard install around MW-4	Photo 22: Final view of ballads around MW-4
	
Photo 23: Sampling of MW-3	Photo 24: MW-5 well sampling

	
Photo 25: Unidentified sheen in MW-3 purge water	Photo 268: Turbidity calibration check

Location WM Landfill off SR-82 Date 10/25/23

Project / Client Johnson Engineering

Weather 85F Mostly Sunny w/(AMRC)

0808	Begin mob, Bryan S, Alex S, and John H in Two white light duty Trucks from Ft. Myers office.
0858	Arrive on site - check in - John H (AMRC) on site - Mark, Trey, and Mike w/ JAEE on site
0908	Begin DPT for soils for MW-4
0915	Begin DPT for MW-4 install
0920	Begin to install MW-4
0922	Finish installing MW-4
0924	Mark BS install Aluminum riser, make 2x2 concrete pad
0927	Cal check OVA = 96.7
0930	Begin to develop MW-4
0945	Begin DPT for MW-6 soils
0950	Begin DPT for MW-6 install
0953	install MW-6
0954	install Aluminum riser, make 2x2 concrete pad
1008	Begin to develop MW-6
1022	Finish Development of MW-4
1027	Begin DPT for MW-5 soils
1035	Begin DPT for MW-5 install

10/25/23

108

Location WM Landfill off SR-82 Date 10/25/23

Project / Client Johnson Engineering

1038	Begin	install MW-5
1040	Finish	installing MW-5
1044	Install	Aluminum riser, make 2x2 concrete pad
1055	Begin	to develop MW-5
1107	Begin	DPT for MW-3 soils
1114	Begin	DPT for MW-3 install
1120	install	MW-3
1126	install	Aluminum riser, make 2x2 concrete pad
1137	Begin	to develop MW-3
1209	Begin	DPT for MW-1 soils
1214	Begin	DPT for MW-1 install
1217	install	MW-1
1224	install	Aluminum riser, make 2x2 concrete pad
1235	Begin	to develop MW-1
1250	Begin	DPT for MW-2 soils
1255	Begin	DPT for MW-2 install
1259	install	MW-2
1302	Finstall	Aluminum
1305	Begin	to develop MW-2
	Finish	Development of MW-3
1324	Finish	developing MW-1
1339	Finish	developing MW-2
1340	Cal check OVA = 98.2	
1345	AMec + JAEE clean/secure site	
1430	AMec + JAEE leave site	
N.F.E	Arrive at Ft. Myers office.	
		10/25/23

BORING LOG

Boring/Well Number: MW-1	Permit Number:	FDEP Facility Identification Number:
Site Name: SR82 MRF Phase II ESA	Borehole Start Date: End Date: 7/01/25/23	Borehole Start Time: 12:04 ☐ AM ☐ PM; End Time: 12:17 ☐ AM ☐ PM
Environmental Contractor: AMRC	Engineer's Name: John Herron	Environmental Technician's Name: Alan Schaefer
Drilling Company: JAEE	Pavement Thickness (inches):	Borehole Diameter (inches): 4
Borehole Depth (feet): 12.		
Drilling Method(s): ~~HA~~/DP	Apparent Borehole DTW (in feet from soil moisture content): 0.1	Measured Well DTW (in feet after water recharges in well):
OVA (list model and check type): MiniRAE ☐ FID ☑ PID		

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☑ Well ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DP						30.9	1	Fine-coarse (SW) Sand, roots, Boring Spoil	SW	V	Sewage odor
							2	Black - some brown color			
						0.0	3	Some lithology for Sand, Orange-Brown color Sand		M	
							4				
						0.0	5	Some lithology, Brown - some orange Sand		W	
							6				
						0.0	7	Some lithology, Gray color		S	
							8				
						0.0	9	Some lithology, Gray orange		S	
							10				
						0.0	11	Fine-coarse (SW) Sand with Sandstone Clay (Gray) matrix.		S	
							12	1. Poor Recovery			
							13				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

Florida Department of Environmental Protection - Division of Waste Management - Bureau of Petroleum Storage Systems

BORING LOG

Boring/Well Number: MW-2	Permit Number:	FDEP Facility Identification Number:
Site Name: SR82 MRF Phase II ESA	Borehole Start Date: 7/10/25 End Date: 7/10/25	Borehole Start Time: 12:35 ☐ AM ☐ PM End Time: 12:54 ☐ AM ☐ PM
Environmental Contractor: AMRC	Engineer's Name: John Dismon	Environmental Technician's Name: Alex Schindel
Drilling Company: JAEE	Pavement Thickness (inches):	Borehole Diameter (inches): 4
Borehole Depth (feet): 12	Drilling Method(s): DPT	Apparent Borehole DTW (in feet from soil moisture content): 2-3
Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): MiniRAE ☐ FID ☑ PID	

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☑ Well ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DPT						0.2	1	Fine-coarse very compaction (SW) Sand clayey brown/ grey	SW	M	
						4.5	2				
							3	Fine medium white-tan sand (SW)			
							4				
						0.0	5	Same lithology, some orange mostly tan			
							6			W	
							7	Same			
							8				
							9				
							10	Same			
							11	Fine-coarse sand (SW) clay matrix, gray color some orange			
							12				
							13				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

Florida Department of Environmental Protection - Division of Waste Management - Bureau of Petroleum Storage Systems

BORING LOG

Boring/Well Number: MW-3	Permit Number:	FDEP Facility Identification Number:
Site Name: SR82 MRF Phase II ESA	Borehole Start Date: End Date: 10/25/23	Borehole Start Time: 11:14 ☐ AM ☐ PM End Time: 11:26 ☐ AM ☐ PM
Environmental Contractor: AMRC	Engineer's Name: John Herrera	Environmental Technician's Name: Alex Schenk

Drilling Company: JAEE	Pavement Thickness (inches):	Borehole Diameter (inches): 4	Borehole Depth (feet): 17
Drilling Method(s): DPT	Apparent Borehole DTW (in feet from soil moisture content): 0-1	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): MiniRAE ☐ FID ☑ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked): /

Borehole Completion (check one): ☑ Well ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
						0.0	1	Fine - coarse sand (SP); Tanish-orange color	SP	W	
							2	↓	↓	S	
							3	Same lithology/Tan color		↓	
DPT						↓	4	↓			
							5	Same lithology/White color			
							6				
							7	↓			
							8	Same			
						0.4	9	↓			
							10	Same			
							11	Mostly Grey clayey sand Gray			
						↓	12	Mostly coarse sand mostly [illegible]			
							13				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

Boring/Well Number: MW-9	Permit Number:	FDEP Facility Identification Number:
Site Name: SR82 MRF Phase II ESA	Borehole Start Date: 10/25/23 End Date: 10/25/23	Borehole Start Time: 09:15 ☐ AM ☐ PM End Time: 09:22 ☐ AM ☐ PM
Environmental Contractor: AMRC	Engineer's Name: John Herman	Environmental Technician's Name: Alex Schenck
Drilling Company: JAEE	Pavement Thickness (inches):	Borehole Diameter (inches): 4
Drilling Method(s): HA/DPT	Apparent Borehole DTW (in feet from soil moisture content): 1-2	Measured Well DTW (in feet after water recharges in well):
Borehole Depth (feet): 11	OVA (list model and check type): MiniRAE ☐ FID ☑ PID	

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☑ Well ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA/DPT						50.9	1	Organics, Fine-Medium (coarse) Sand (SW) Black color	SW	W	All Signs of Sewage
						56.2	3	Fine-coarse (SW), tan-light brown color		V	
						53.6	5	Some lithology, sudden change to very orange color		W	
						43.5	7	Some lithology, new tan in color		S	
						36.9	9	White/Gray clay, medium-coarse, with fragments		S	
							11				
							12				
							13				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

Boring/Well Number: MW5	Permit Number:	FDEP Facility Identification Number:
Site Name: SR82 MRF Phase II ESA	Borehole Start Date: 10/25/23 End Date: 10/25/23	Borehole Start Time: 10:27 ☐ AM ☐ PM End Time: 10:40 ☐ AM ☐ PM
Environmental Contractor: AMRC	Engineer's Name: John Herman	Environmental Technician's Name: Alex Schenk
Drilling Company: JAEE	Pavement Thickness (inches):	Borehole Diameter (inches): 4
Drilling Method(s): DPT	Apparent Borehole DTW (in feet from soil moisture content): 1-2	Measured Well DTW (in feet after water recharges in well):
Borehole Completion (check one): ☑ Well ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)		OVA (list model and check type): MiniRAE ☐ FID ☑ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DPT						26.5	1	Organics/roots, Fine-Medium SAND (SW) Black color	SW	M	
							2				
						22.7	3	Fine-Medium (SW) SAND, Tan-orange color	SW	M	All Smells of Sewage
							4				
						28.7	5	Fine-Coarse SAND (SW), Tan-Some Gray	SW	W	
							6				
						33.5	7	Same, more gray lithology		W	
							8				
						39.9	9	Same lithology, Brown-Light Gray color		W	
							10				
							11				
							12				
							13				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

Page 1 of 1

Boring/Well Number: MW-6	Permit Number:		FDEP Facility Identification Number:
Site Name: SR82 MRF Phase II ESA	Borehole Start Date: 7/10/25/23 End Date:	Borehole Start Time: 09:30 ☐ AM ☐ PM End Time: 09:53 ☐ AM ☐ PM	
Environmental Contractor: AMRC	Engineer's Name: John Hefner		Environmental Technician's Name: Alex Schenzel
Drilling Company: JAEE	Pavement Thickness (inches):	Borehole Diameter (inches): 4	Borehole Depth (feet): 11
Drilling Method(s): DPT	Apparent Borehole DTW (in feet from soil moisture content): 3-4	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): MiniRAE ☐ FID ☑ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☑ Well ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DPT						6.2	1	Fine-coarse sand (SW), roots, gray color some black	SW	M	
							2	Biogenics			
						95.4	3	Some lithology, some sewage odor black,		M	
							4				
						15.7	5	Some lithology, brown orange color sand		W	1 Sewage odor
							6				
						26.7	7	Some lithology, tan-coarse color		S	
							8				
						9.1	9	Some lithology, gray color		S	
							10				
							11				
							12				
							13				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

STATE OF FLORIDA WELL COMPLETION REPORT

Southwest
Northwest
St. Johns River
South Florida
Suwannee River
DEP
Delegated Authority (If Applicable) _____

PLEASE, FILL OUT ALL APPLICABLE FIELDS
(*Denotes Required Fields Where Applicable)

Date Stamp

Official Use Only

1. *Permit Number NRP2023-03650 *CUP/WUP Number _____ *DID Number _____ 62-524 Delineation No. _____

2. *Number of permitted wells constructed, repaired, or abandoned 6 *Number of permitted wells not constructed, repaired, or abandoned 0

3. *Owner's Name Gulf Disposal Inc 4. *Completion Date 10/25/23 5. Florida Unique ID _____

6. 11900 State Road 82, Ft Myers 33913
*Well Location - Address, Road Name or Number, City, ZIP

7. *County Lee *Section 25 Land Grant _____ *Township 36 *Range 44

8. Latitude _____ Longitude _____

9. Data Obtained From: ☐ GPS ☐ Map ☐ Survey Datum: _____ NAD 27 _____ NAD 83 _____ WGS 84

10. *Type of Work: ☒ Construction ☐ Repair ☐ Modification ☐ Abandonment

11. *Specify Intended Use(s) of Well(s)

- _ Domestic
- _ Bottled Water Supply
- _ Public Water Supply (Limited Use/DOH)
- _ Public Water Supply (Community or Non-Community/DEP)
- _ Class I Injection
- _ Landscape Irrigation
- _ Recreation Area Irrigation
- _ Agricultural Irrigation
- _ Livestock
- _ Nursery Irrigation
- _ Commercial/Industrial
- _ Golf Course Irrigation
- _ Site Investigations
- X Monitoring
- _ Test
- _ Earth-Coupled Geothermal
- _ HVAC Supply
- _ HVAC Return

Class V Injection: _ Recharge _ Commercial/Industrial Disposal _ Aquifer Storage and Recovery _ Drainage

Remediation: _ Recovery _ Air Sparge _ Other (Describe) _____

_ Other (Describe) _____

12. *Drill Method _ Auger _ Cable Tool _ Rotary _ Combination (Two or More Methods) _ Jetted _ Sonic
_ Horizontal Drilling X Hydraulic Point (Direct Push) _ Other _____

13. *Measured Static Water Level n/a ft. Measured Pumping Water Level _____ ft. After _____ Hours at _____ GPM

14. *Measuring Point (Describe) surface Which is _____ ft. _____ Above _____ Below Land Surface *Flowing: _ Yes X No

15. *Casing Material: _ Black Steel _ Galvanized X PVC _ Stainless Steel _ Not Cased _ Other _____

16. *Total Well Depth 15 ft. Cased Depth 5 ft. *Open Hole: From 0 To 0 ft. *Screen: From 5 To 15 ft. Slot Size _____

17. *Abandonment: _ Other (Explain) _____

From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _ Neat Cement _ Bentonite Other _____
From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _ Neat Cement _ Bentonite Other _____
From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _ Neat Cement _ Bentonite Other _____
From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _ Neat Cement _ Bentonite Other _____
From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _ Neat Cement _ Bentonite Other _____

18. *Surface Casing Diameter and Depth:

Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _ Neat Cement _ Bentonite _ Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _ Neat Cement _ Bentonite _ Other _____

19. *Primary Casing Diameter and Depth:

Dia 1.5 in. From 0 ft. To 5 ft. No. of Bags 1 Seal Material (Check One): X Neat Cement _ Bentonite _ Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _ Neat Cement _ Bentonite _ Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _ Neat Cement _ Bentonite _ Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _ Neat Cement _ Bentonite _ Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _ Neat Cement _ Bentonite _ Other _____

20. *Liner Casing Diameter and Depth:

Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _ Neat Cement _ Bentonite _ Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _ Neat Cement _ Bentonite _ Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _ Neat Cement _ Bentonite _ Other _____

21. *Telescope Casing Diameter and Depth:

Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _ Neat Cement _ Bentonite _ Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _ Neat Cement _ Bentonite _ Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _ Neat Cement _ Bentonite _ Other _____

22. Pump Type (If Known):
_ Centrifugal _ Jet _ Submersible _ Turbine
Horsepower _____ Pump Capacity (GPM) _____
Pump Depth _____ ft. Intake Depth _____ ft.

23. Chemical Analysis (When Required):
Iron _____ ppm Sulfate _____ ppm Chloride _____ ppm
_ Laboratory Test _ Field Test Kit

24. Water Well Contractor:

*Contractor Name Erin Fromm *License Number 11313 E-mail Address jaee@bellsouth.net

*Contractor's Signature _____ *Driller's Name (Print or Type) Jason Fromm
(I certify that the information provided in this report is accurate and true.)

*Permit No. NRP2023-03650

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
2379 BROAD STREET, BROOKSVILLE, FL 34604-6899
PHONE: (352) 796-7211 or (800) 423-1476
WWW.SWFWMD.STATE.FL.US

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
4049 REID STREET, PALATKA, FL 32178-1429
PHONE: (386) 329-4500
WWW.SJRWMD.COM

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT
152 WATER MANAGEMENT DR., HAVANA, FL 32333-4712
(U.S. Highway 90, 10 miles west of Tallahassee)
PHONE: (850) 539-5999
WWW.NWFWMD.STATE.FL.US

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
P.O. BOX 24680
3301 GUN CLUB ROAD
WEST PALM BEACH, FL 33416-4680
PHONE: (561) 686-8800
WWW.SFWMD.GOV

SUWANNEE RIVER WATER MANAGEMENT DISTRICT
9225 CR 49
LIVE OAK, FL 32060
PHONE: (386) 362-1001 or (800) 226-1066 (Florida only)
WWW.MYSUWANNEERIVER.COM

***DRILL CUTTINGS LOG** (Examine cuttings every 20 ft. or at formation changes. Note cavities and depth to producing zone. Grain Size: F=Fine, M=Medium, and C=Coarse)

From 0 ft.	To 15 ft.	Color TAN	Grain Size (F, M, C) M/F	Material SAND
From ft.	To ft.	Color	Grain Size (F, M, C)	Material
From ft.	To ft.	Color	Grain Size (F, M, C)	Material
From ft.	To ft.	Color	Grain Size (F, M, C)	Material
From ft.	To ft.	Color	Grain Size (F, M, C)	Material
From ft.	To ft.	Color	Grain Size (F, M, C)	Material
From ft.	To ft.	Color	Grain Size (F, M, C)	Material
From ft.	To ft.	Color	Grain Size (F, M, C)	Material
From ft.	To ft.	Color	Grain Size (F, M, C)	Material
From ft.	To ft.	Color	Grain Size (F, M, C)	Material
From ft.	To ft.	Color	Grain Size (F, M, C)	Material
From ft.	To ft.	Color	Grain Size (F, M, C)	Material
From ft.	To ft.	Color	Grain Size (F, M, C)	Material
From ft.	To ft.	Color	Grain Size (F, M, C)	Material
From ft.	To ft.	Color	Grain Size (F, M, C)	Material
From ft.	To ft.	Color	Grain Size (F, M, C)	Material
From ft.	To ft.	Color	Grain Size (F, M, C)	Material
From ft.	To ft.	Color	Grain Size (F, M, C)	Material
From ft.	To ft.	Color	Grain Size (F, M, C)	Material
From ft.	To ft.	Color	Grain Size (F, M, C)	Material
From ft.	To ft.	Color	Grain Size (F, M, C)	Material
From ft.	To ft.	Color	Grain Size (F, M, C)	Material
From ft.	To ft.	Color	Grain Size (F, M, C)	Material

Comments:

Lee County Natural Resources

Lee County Natural Resources

Monitoring

PERMIT

PERMIT NUMBER: NRP2023-03650

ISSUED: 10/16/2023

EXPIRES: 04/16/2024

Owner Name: GULF DISPOSAL INC

Contractor: ERIN LYNN FROMM
SL11313

Description: Installing 6 monitoring wells

Job Address: 11900 STATE ROAD 82, FORT MYERS, FL 33913

Date of Construction:

Gallons/Minute:

Total Well Depth:

Casing Depth:

Sacks of Cement:

Well Use: Monitoring

Well Use 2:

INSPECTION REQUEST LINE: (239) 533-8997

Notation- All Permits are CALLED IN and/or CANCELED by PERMIT (#) and PIN (#) only

**ATTENTION - Prior to 6:30a.m. the morning of commencement of drilling the Contractor must call in Permit # to schedule inspection on Inspection Line.

SPECIAL CONDITIONS REQUIRED (as summarized)
NO well construction performed after hours and/or weekends, except for emergency well. (Ref) Well Code, 06-09, Appendix A, Section II - Well Construction. Drilling after regular work hours: An after-hour inspection fee ($130.00 per hr) may be assessed for inspections performed outside normal working hours (7:00a.m. to 4:00p.m.) of county well inspectors.

The issuance of this permit does not relieve the responsibility of the Well Contractor to obtain all required local, state, and federal permits, which may be required to perform this work. Lee County recommends that you contact all private utility service organizations prior to commencing work.

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY, AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

ILLICIT STORMWATER AND NON-STORMWATER DISCHARGES INTO THE MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) OR OTHER RECEIVING WATERS ARE PROHIBITED. UNLESS OTHERWISE PERMITTED, THERE ARE NO DISCHARGES ALLOWED TO LEE COUNTY MS4 EXCEPT UNCONTAMINATED STORMWATER RUNOFF.

THIS CARD MUST BE PLACED ON A BOARD AT EYE LEVEL SO IT CAN BE READ FROM STREET AND BE PROTECTED FROM THE WEATHER.

Florida Department of Environmental Protection - Division of Waste Management - Bureau of Petroleum Storage Systems

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA

Well Number:	Site Name:	FDEP Facility I.D. Number:	Well Install Date(s):
MW-1	SR82 MRF Phase II ESA		10/25/2023

Well Location and Type (check appropriate boxes):
- [x] On-Site
- [ ] Right-of-Way
- [ ] Off-Site Private Property
- [x] Above Grade (AG)
- [ ] Flush-to-Grade

If AG, list feet of riser above land surface: 3.94'

Well Purpose:
- [ ] Perched Monitoring
- [x] Shallow (Water-Table) Monitoring
- [ ] Intermediate or Deep Monitoring
- [ ] Remediation or Other (describe)

Well Install Method: DPT

Surface Casing Install Method:

Borehole Depth (feet):	Well Depth (feet):	Borehole Diameter (inches):	Manhole Diameter (inches):	Well Pad Size:
12	10.5	4		2 feet by 2 feet

Riser Diameter and Material:	Riser/Screen Connections:	Riser Length:
1.5" SCHEDULE 40 PVC	[x] Flush-Threaded [ ] Other (describe)	4.44 feet from 3.94 feet to -0.5 feet

Screen Diameter and Material:	Screen Slot Size:	Screen Length:
1.5" SCHEDULE 40 PVC	10	10 feet from -0.5 feet to -10.5 feet

1st Surface Casing Material: NA also check: [ ] Permanent [ ] Temporary	1st Surface Casing I.D. (inches): NA	1st Surface Casing Length: NA feet from NA feet to NA feet
2nd Surface Casing Material: NA also check: [ ] Permanent [ ] Temporary	2nd Surface Casing I.D. (inches): NA	2nd Surface Casing Length: NA feet from NA feet to NA feet
3rd Surface Casing Material: NA also check: [ ] Permanent [ ] Temporary	3rd Surface Casing I.D. (inches): NA	3rd Surface Casing Length: NA feet from NA feet to NA feet

Filter Pack Material and Size:	Prepacked Filter Around Screen (check one):	Filter Pack Length:
NA	[x] Yes [ ] No	NA feet from NA feet to NA feet

Filter Pack Seal Material and Size:	Filter Pack Seal Length:
30/65 SILICA	0.25 feet from 0.25 feet to 0.5 feet

Surface Seal Material:	Surface Seal Length:
PORTLAND TYPE I/II	0.25 feet from 0 feet to 0.25 feet

WELL DEVELOPMENT DATA

Well Development Date:	Well Development Method (check one):
10/25/23	[ ] Surge/Pump [x] Pump [ ] Compressed Air [ ] Other (describe)

Development Pump Type (check):	Depth to Groundwater (before developing in feet):
[x] Centrifugal [ ] Peristaltic [ ] Submersible [ ] Other (describe)	---

Pumping Rate (gallons per minute):	Maximum Drawdown of Groundwater During Development (feet):	Well Purged Dry (check one):
1	---	[ ] Yes [x] No

Pumping Condition (check one):	Total Development Water Removed (gallons):	Development Duration (minutes):	Development Water Drummed (check one):
[x] Continuous [ ] Intermittent	49.00	49	[ ] Yes [x] No

Water Appearance (color and odor) At Start of Development:	Water Appearance (color and odor) At End of Development:
TURBID/NONE	CLEAR/NONE

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA

Well Number:	Site Name:	FDEP Facility I.D. Number:	Well Install Date(s):
MW-2	SR82 MRF Phase II ESA		10/25/2023

Well Location and Type (check appropriate boxes):
- [x] On-Site
- [ ] Right-of-Way
- [ ] Off-Site Private Property
- [x] Above Grade (AG)
- [ ] Flush-to-Grade

If AG, list feet of riser above land surface: 3.81

Well Purpose:
- [ ] Perched Monitoring
- [x] Shallow (Water-Table) Monitoring
- [ ] Intermediate or Deep Monitoring
- [ ] Remediation or Other (describe)

Well Install Method: DPT

Surface Casing Install Method: ---

Borehole Depth (feet):	Well Depth (feet):	Borehole Diameter (inches):	Manhole Diameter (inches):	Well Pad Size:
11	11	4		2 feet by 2 feet

Riser Diameter and Material:	Riser/Screen Connections:	Riser Length:
1.5" SCHEDULE 40 PVC	[x] Flush-Threaded [ ] Other (describe)	4.81 feet; from 3.81 feet to -1 feet

Screen Diameter and Material:	Screen Slot Size:	Screen Length:
1.5" SCHEDULE 40 PVC	10	10 feet; from -1 feet to -11 feet

1st Surface Casing Material: NA also check: [ ] Permanent [ ] Temporary	1st Surface Casing I.D. (inches): NA	1st Surface Casing Length: NA feet from NA feet to NA feet
2nd Surface Casing Material: NA also check: [ ] Permanent [ ] Temporary	2nd Surface Casing I.D. (inches): NA	2nd Surface Casing Length: NA feet from NA feet to NA feet
3rd Surface Casing Material: NA also check: [ ] Permanent [ ] Temporary	3rd Surface Casing I.D. (inches): NA	3rd Surface Casing Length: NA feet from NA feet to NA feet

Filter Pack Material and Size:	Prepacked Filter Around Screen (check one):	Filter Pack Length:
NA	[x] Yes [ ] No	NA feet; from NA feet to NA feet

Filter Pack Seal Material and Size:	Filter Pack Seal Length:
30/65 SILICA	0.75 feet; from 0.25 feet to 1.00 feet

Surface Seal Material:	Surface Seal Length:
PORTLAND TYPE I/II	0.25 feet; from 0 feet to 0.25 feet

WELL DEVELOPMENT DATA

Well Development Date:	Well Development Method (check one):
10/25/23	[ ] Surge/Pump [x] Pump [ ] Compressed Air [ ] Other (describe)

Development Pump Type (check):	Depth to Groundwater (before developing in feet):
[x] Centrifugal [ ] Peristaltic [ ] Submersible [ ] Other (describe)	---

Pumping Rate (gallons per minute):	Maximum Drawdown of Groundwater During Development (feet):	Well Purged Dry (check one):
1	---	[ ] Yes [x] No

Pumping Condition (check one):	Total Development Water Removed (gallons):	Development Duration (minutes):	Development Water Drummed (check one):
[x] Continuous [ ] Intermittent	34.00	34	[ ] Yes [x] No

Water Appearance (color and odor) At Start of Development:	Water Appearance (color and odor) At End of Development:
TURBID/NONE	CLEAR/NONE

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA

Well Number:	Site Name:	FDEP Facility I.D. Number:	Well Install Date(s):
MW-3	SR82 MRF Phase II ESA		10/25/2023

Well Location and Type (check appropriate boxes):
- [x] On-Site
- [ ] Right-of-Way
- [ ] Off-Site Private Property
- [x] Above Grade (AG)
- [ ] Flush-to-Grade

If AG, list feet of riser above land surface: 3.79

Well Purpose:
- [ ] Perched Monitoring
- [x] Shallow (Water-Table) Monitoring
- [ ] Intermediate or Deep Monitoring
- [ ] Remediation or Other (describe)

Well Install Method: DPT

Surface Casing Install Method: ---

Borehole Depth (feet):	Well Depth (feet):	Borehole Diameter (inches):	Manhole Diameter (inches):	Well Pad Size:
11	10	4		2 feet by 2 feet

Riser Diameter and Material:	Riser/Screen Connections:	Riser Length:
1.5" SCHEDULE 40 PVC	[x] Flush-Threaded [ ] Other (describe)	3.79 feet from 3.79 feet to 0 feet

Screen Diameter and Material:	Screen Slot Size:	Screen Length:
1.5" SCHEDULE 40 PVC	10	10 feet from 0 feet to -10 feet

1st Surface Casing Material: NA also check: [ ] Permanent [ ] Temporary	1st Surface Casing I.D. (inches): NA	1st Surface Casing Length: NA feet from NA feet to NA feet
2nd Surface Casing Material: NA also check: [ ] Permanent [ ] Temporary	2nd Surface Casing I.D. (inches): NA	2nd Surface Casing Length: NA feet from NA feet to NA feet
3rd Surface Casing Material: NA also check: [ ] Permanent [ ] Temporary	3rd Surface Casing I.D. (inches): NA	3rd Surface Casing Length: NA feet from NA feet to NA feet

Filter Pack Material and Size:	Prepacked Filter Around Screen (check one):	Filter Pack Length:
NA	[x] Yes [ ] No	NA feet from NA feet to NA feet

Filter Pack Seal Material and Size:	Filter Pack Seal Length:
30/65 SILICA	0.25 feet from 0 feet to 0.25 feet

Surface Seal Material:	Surface Seal Length:
PORTLAND TYPE I/II	0.25 feet from 0.25 feet to 0 feet

WELL DEVELOPMENT DATA

Well Development Date:	Well Development Method (check one):
10/25/23	[ ] Surge/Pump [x] Pump [ ] Compressed Air [ ] Other (describe)

Development Pump Type (check): [x] Centrifugal [ ] Peristaltic [ ] Submersible [ ] Other (describe)

Depth to Groundwater (before developing in feet): ---

Pumping Rate (gallons per minute):	Maximum Drawdown of Groundwater During Development (feet):	Well Purged Dry (check one):
1	---	[ ] Yes [x] No

Pumping Condition (check one):	Total Development Water Removed (gallons):	Development Duration (minutes):	Development Water Drummed (check one):
[x] Continuous [ ] Intermittent	88.00	88	[ ] Yes [x] No

Water Appearance (color and odor) At Start of Development:	Water Appearance (color and odor) At End of Development:
TURBID/NONE	CLEAR/NONE

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA

Well Number:	Site Name:	FDEP Facility I.D. Number:	Well Install Date(s):
MW-4	SR82 MRF Phase II ESA		10/25/2023

Well Location and Type (check appropriate boxes):
- [x] On-Site
- [ ] Right-of-Way
- [ ] Off-Site Private Property
- [x] Above Grade (AG)
- [ ] Flush-to-Grade

If AG, list feet of riser above land surface: 3.93

Well Purpose:
- [ ] Perched Monitoring
- [x] Shallow (Water-Table) Monitoring
- [ ] Intermediate or Deep Monitoring
- [ ] Remediation or Other (describe)

Well Install Method: DPT

Surface Casing Install Method: ---

Borehole Depth (feet):	Well Depth (feet):	Borehole Diameter (inches):	Manhole Diameter (inches):	Well Pad Size:
11	11	4		2 feet by 2 feet

Riser Diameter and Material:	Riser/Screen Connections:	Riser Length:
1.5" SCHEDULE 40 PVC	[x] Flush-Threaded [ ] Other (describe)	4.93 feet from 3.93 feet to -1 feet

Screen Diameter and Material:	Screen Slot Size:	Screen Length:
1.5" SCHEDULE 40 PVC	10	10 feet from -1 feet to -11 feet

1st Surface Casing Material: NA also check: [ ] Permanent [ ] Temporary	1st Surface Casing I.D. (inches): NA	1st Surface Casing Length: NA feet from NA feet to NA feet
2nd Surface Casing Material: NA also check: [ ] Permanent [ ] Temporary	2nd Surface Casing I.D. (inches): NA	2nd Surface Casing Length: NA feet from NA feet to NA feet
3rd Surface Casing Material: NA also check: [ ] Permanent [ ] Temporary	3rd Surface Casing I.D. (inches): NA	3rd Surface Casing Length: NA feet from NA feet to NA feet

Filter Pack Material and Size:	Prepacked Filter Around Screen (check one):	Filter Pack Length:
NA	[x] Yes [ ] No	10.50 feet from 2.5 feet to 13 feet

Filter Pack Seal Material and Size:	Filter Pack Seal Length:
30/65 SILICA	0.75 feet from 0.25 feet to 1.00 feet

Surface Seal Material:	Surface Seal Length:
PORTLAND TYPE I/II	0.25 feet from 0 feet to 0.25 feet

WELL DEVELOPMENT DATA

Well Development Date:	Well Development Method (check one):
10/25/23	[ ] Surge/Pump [x] Pump [ ] Compressed Air [ ] Other (describe)

Development Pump Type (check): [x] Centrifugal [ ] Peristaltic [ ] Submersible [ ] Other (describe)

Depth to Groundwater (before developing in feet): ---

Pumping Rate (gallons per minute):	Maximum Drawdown of Groundwater During Development (feet):	Well Purged Dry (check one):
1	---	[ ] Yes [x] No

Pumping Condition (check one):	Total Development Water Removed (gallons):	Development Duration (minutes):	Development Water Drummed (check one):
[x] Continuous [ ] Intermittent	58.00	58	[ ] Yes [x] No

Water Appearance (color and odor) At Start of Development:	Water Appearance (color and odor) At End of Development:
TURBID/NONE	CLEAR/NONE

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

Florida Department of Environmental Protection - Division of Waste Management - Bureau of Petroleum Storage Systems

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA

Well Number:	Site Name:	FDEP Facility I.D. Number:	Well Install Date(s):
MW-5	SR82 MRF Phase II ESA		10/25/2023

Well Location and Type (check appropriate boxes):
- [x] On-Site
- [ ] Right-of-Way
- [ ] Off-Site Private Property
- [x] Above Grade (AG)
- [ ] Flush-to-Grade

If AG, list feet of riser above land surface: 4.17

Well Purpose:
- [ ] Perched Monitoring
- [x] Shallow (Water-Table) Monitoring
- [ ] Intermediate or Deep Monitoring
- [ ] Remediation or Other (describe)

Well Install Method: DPT

Surface Casing Install Method: ---

Borehole Depth (feet):	Well Depth (feet):	Borehole Diameter (inches):	Manhole Diameter (inches):	Well Pad Size:
11	10.5	4		2 feet by 2 feet

Riser Diameter and Material:	Riser/Screen Connections:	Riser Length:
1.5" SCHEDULE 40 PVC	[x] Flush-Threaded [ ] Other (describe)	4.67 feet from 4.17 feet to -0.5 feet

Screen Diameter and Material:	Screen Slot Size:	Screen Length:
1.5" SCHEDULE 40 PVC	10	10 feet from -0.5 feet to -10.5 feet

1st Surface Casing Material: NA also check: [ ] Permanent [ ] Temporary	1st Surface Casing I.D. (inches):	1st Surface Casing Length: NA feet	from NA feet to NA feet
2nd Surface Casing Material: NA also check: [ ] Permanent [ ] Temporary	2nd Surface Casing I.D. (inches):	2nd Surface Casing Length: NA feet	from NA feet to NA feet
3rd Surface Casing Material: NA also check: [ ] Permanent [ ] Temporary	3rd Surface Casing I.D. (inches):	3rd Surface Casing Length: NA feet	from NA feet to NA feet
	NA		NA
	NA		NA
	NA		NA

Filter Pack Material and Size:	Prepacked Filter Around Screen (check one):	Filter Pack Length:
NA	[x] Yes [ ] No	NA feet from NA feet to NA feet

Filter Pack Seal Material and Size:	Filter Pack Seal Length:
30/65 SILICA	0.25 feet from 0.25 feet to 0.50 feet

Surface Seal Material:	Surface Seal Length:
PORTLAND TYPE I/II	0.25 feet from 0 feet to 0.25 feet

WELL DEVELOPMENT DATA

Well Development Date:	Well Development Method (check one):
10/25/23	[ ] Surge/Pump [x] Pump [ ] Compressed Air [ ] Other (describe)

Development Pump Type (check):	Depth to Groundwater (before developing in feet):
[x] Centrifugal [ ] Peristaltic [ ] Submersible [ ] Other (describe)	---

Pumping Rate (gallons per minute):	Maximum Drawdown of Groundwater During Development (feet):	Well Purged Dry (check one):
1	---	[ ] Yes [x] No

Pumping Condition (check one):	Total Development Water Removed (gallons):	Development Duration (minutes):	Development Water Drummed (check one):
[x] Continuous [ ] Intermittent	30.00	30	[ ] Yes [x] No

Water Appearance (color and odor) At Start of Development:	Water Appearance (color and odor) At End of Development:
TURBID/NONE	CLEAR/NONE

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA

Well Number:	Site Name:	FDEP Facility I.D. Number:	Well Install Date(s):
MW-6	SR82 MRF Phase II ESA		10/25/2023

Well Location and Type (check appropriate boxes):
- [x] On-Site
- [ ] Right-of-Way
- [ ] Off-Site Private Property
- [x] Above Grade (AG)
- [ ] Flush-to-Grade

If AG, list feet of riser above land surface: 4.13

Well Purpose:
- [ ] Perched Monitoring
- [x] Shallow (Water-Table) Monitoring
- [ ] Intermediate or Deep Monitoring
- [ ] Remediation or Other (describe)

Well Install Method: DPT

Surface Casing Install Method: ---

Borehole Depth (feet):	Well Depth (feet):	Borehole Diameter (inches):	Manhole Diameter (inches):	Well Pad Size:
11	11	4		2 feet by 2 feet

Riser Diameter and Material:	Riser/Screen Connections:	Riser Length:
1.5" SCHEDULE 40 PVC	[x] Flush-Threaded [ ] Other (describe)	5.13 feet from 4.13 feet to -1 feet

Screen Diameter and Material:	Screen Slot Size:	Screen Length:
1.5" SCHEDULE 40 PVC	10	10 feet from -1 feet to -11 feet

1st Surface Casing Material: NA also check: [ ] Permanent [ ] Temporary	1st Surface Casing I.D. (inches): NA	1st Surface Casing Length: NA feet from NA feet to NA feet
2nd Surface Casing Material: NA also check: [ ] Permanent [ ] Temporary	2nd Surface Casing I.D. (inches): NA	2nd Surface Casing Length: NA feet from NA feet to NA feet
3rd Surface Casing Material: NA also check: [ ] Permanent [ ] Temporary	3rd Surface Casing I.D. (inches): NA	3rd Surface Casing Length: NA feet from NA feet to NA feet

Filter Pack Material and Size:	Prepacked Filter Around Screen (check one):	Filter Pack Length:
NA	[x] Yes [ ] No	NA feet from NA feet to NA feet

Filter Pack Seal Material and Size:	Filter Pack Seal Length:
30/65 SILICA	0.75 feet from 0.25 feet to 1.00 feet

Surface Seal Material:	Surface Seal Length:
PORTLAND TYPE I/II	0.25 feet from 0 feet to 0.25 feet

WELL DEVELOPMENT DATA

Well Development Date:	Well Development Method (check one):
10/25/23	[ ] Surge/Pump [x] Pump [ ] Compressed Air [ ] Other (describe)

Development Pump Type (check): [x] Centrifugal [ ] Peristaltic [ ] Submersible [ ] Other (describe)

Depth to Groundwater (before developing in feet): ---

Pumping Rate (gallons per minute):	Maximum Drawdown of Groundwater During Development (feet):	Well Purged Dry (check one):
1	---	[ ] Yes [x] No

Pumping Condition (check one):	Total Development Water Removed (gallons):	Development Duration (minutes):	Development Water Drummed (check one):
[x] Continuous [ ] Intermittent	47.00	47	[ ] Yes [x] No

Water Appearance (color and odor) At Start of Development:	Water Appearance (color and odor) At End of Development:
TURBID/NONE	CLEAR/NONE

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

Location SR82 MRF Phase II Date 10/26/23

Project / Client Johnson Engineering

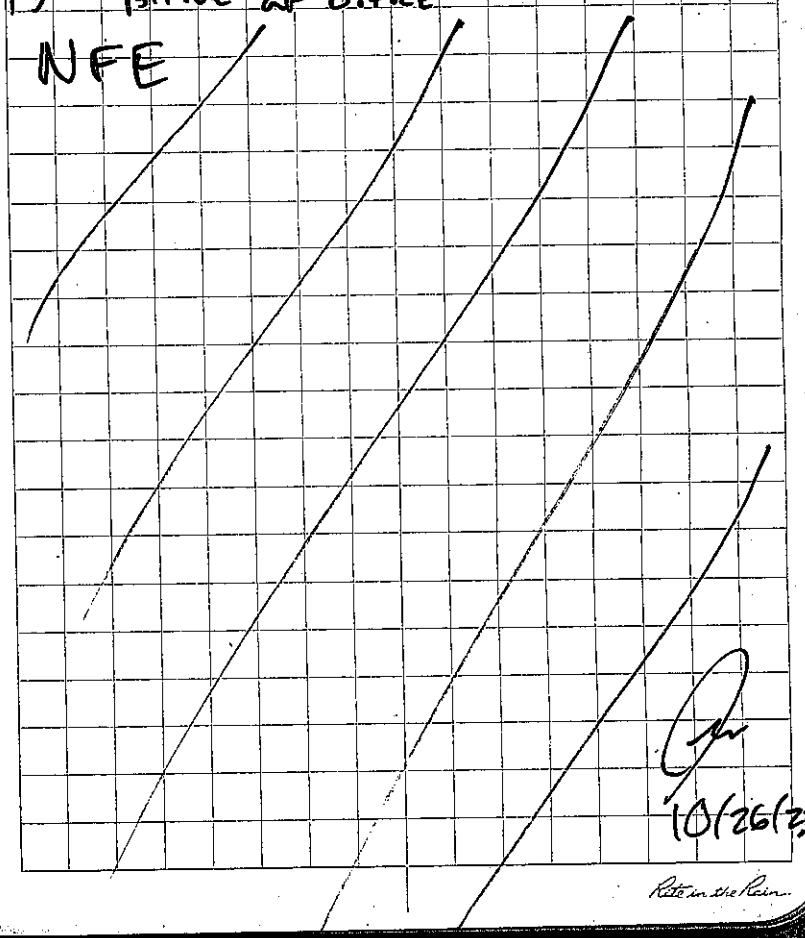
07^{50}	Begin mob - John H., Bryan S., Colby Alex S. in 3 trucks
08^{15}	Arrive on site and move backhoe to area of investigation
08^{40}	Begin bollard install for MW-4 and begin test pit #1 (TP-1)
09^{40}	Finish MW-4 Bollards (2x bollards per well) and begin bollards for MW-6
10^{00}	Finish TP-1. Large concrete debris observed in first 4', natural soil below 4', down to test pit terminal depth of 7' Backfill TP-1
10^{10}	Begin TP-2 (Shredded tire area)
10^{30}	Finish bollards for MW-6. Begin bollards for MW-5
10^{40}	Finish TP-2. Shredded tires down to 1'. Clay tiles between 2-3'. Natural soil/clay from 3' to 7' (TP terminus)
10^{50}	Begin TP-3 (PVC debris area)
11^{00}	Finish MW-5 bollards and begin MW-3
11^{20}	Finish TP-3. PVC debris limited to first foot. Natural soil from 1' to 7' - Begin TP-4 (Concrete debris/pipes)
11^{35}	Finish TP-4. No buried debris to 6' - Begin TP-5. Finish MW-3 bollards

Location SR82 MRF Phase II Date 10/26/23

Project / Client Johnson Eng.

12^{00}	Finish TP-5. No buried debris observed down to 7'
12^{10}	Begin bollards for MW-1 + MW-2
13^{00}	Complete bollard install - Secure + leave site
13^{45}	Arrive at office

NFE



10/26/23

Rita in the Rain

Location Lee County, FL Date 10/31/23

Project / Client SR 82 MRF

0819	Crista & Alex begin mob en Light duty truck
0854	Arrive on site
0914	Cal check turbidimeter with 800 NTU Standard 801
0916	DTW 0.75 MW3
0925	Collect equipment blank
0932	Purging initiated MW3
0948	Purging ended MW3
0949	Sampling initiated MW3
1005	Sampling ended MW3
1120	MW6 DTW 7.07-4=3.07
	Cal check turbidimeter w/ 800 NTU
1123	Standard = 794
1134	Begin Purging MW6
1153	Purging ended MW6
1154	Begin Sampling MW6
1214	Finish Sampling MW6
1125	Begin Purging MW5
1146	Begin Sampling MW5
1207	Finish Sampling MW5
—	Conduct TOC Survey
1303	Begin Purging MW1
1322	Begin Sampling MW1
1339	Finish sampling MW1

Location Lee County, FL Date 10/31/23

Project / Client SR82 MRF

MW-ID#	DTW	T.O.C
MW1	1.25	—
MW2	1.85	—
MW3	0.75	3.92
MW4	1.00	2.20
MW5	1.20	2.47
MW6	3.07	1.59

1357	DTW MW2 1.85
1502	Begin Purging MW2
1432	Begin Sampling MW2
1451	Finish Sampling MW2
1235	Began Purging MW4
1300	Begin Sampling MW4
1325	Finish Sampling MW4
1406	Bryan S departs from site
1502	Alex & Crista clean up & Leave site

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: SR 82 MRF Phase II	SITE LOCATION: SR82 Lee County, FL	
WELL NO: MW-1	SAMPLE ID:	DATE: 10/31/2023

PURGING DATA

WELL DIAMETER (inches): 1.5	TUBING DIAMETER (inches): .25	WELL SCREEN INTERVAL DEPTH: feet to 0.5 feet10.5	STATIC DEPTH TO WATER (feet): 1.25	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (10.5 feet – 1.25 feet) X 0.09 gallons/foot = 0.83 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 3	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 3	PURGING INITIATED AT: 1303	PURGING ENDED AT: 1321	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR/ODOR (describe)	ORP (mV)
1315	1.0	1.0	0.08	1.45	~~6.45~~ 6.83	27.0	1095	0.07	0.62	CLR/SLW	-124.6
1317	0.16	1.16	↓	1.45	6.83	27.4	1096	0.06	0.02	↓	-126.8
1319	0.16	1.32		1.45	6.83	27.5	1094	0.03	0.02		-127.5
1321	0.16	1.48		1.45	6.83	27.3	1092	0.03	0.02		-127.6

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Bryan Shaffer / AMRC	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1322	SAMPLING ENDED AT: 1339
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: SR 82 MRF Phase II	SITE LOCATION: SR82 Lee County, FL	
WELL NO: MW-2	SAMPLE ID:	DATE: 10/31/2023

PURGING DATA

WELL DIAMETER (inches): 1.5	TUBING DIAMETER (inches): .25	WELL SCREEN INTERVAL DEPTH: 1 feet to 11 feet	STATIC DEPTH TO WATER (feet): 1.85	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (11 feet – 1.85 feet) X .09 gallons/foot = 0.82 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9	PURGING INITIATED AT: 1402	PURGING ENDED AT: 1431	TOTAL VOLUME PURGED (gallons): 1.40

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR/ODOR (describe)	ORP (mV)
1423	1.0	1.0	.05	1.85	8.79	27.8	1380	0.20	9.64	AMBR	251.8
1425	.10	1.10	.05	1.85	8.80	27.9	1330	0.15	8.75	CLR/AMBR	251.0
1427	.10	1.20	.05	1.85	6.80	28.2	1372	0.10	6.67	↓	243.5
1429	.10	1.30	.05	1.85	6.80	28.1	1419	0.09	6.58	↓	238.7
1431	.10	1.40	.05	1.85	6.80	28.1	1440	0.09	5.23	↓	237.4

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alex Schendel / AMRC	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1432	SAMPLING ENDED AT: 1451
PUMP OR TUBING DEPTH IN WELL (feet): 9	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
								APP	100<X<400
								APP	-
								APP	-

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: SR 82 MRF Phase II	SITE LOCATION: SR82 Lee County, FL	
WELL NO: MW-3	SAMPLE ID:	DATE: : 10/31/2023

PURGING DATA

WELL DIAMETER (inches): 1.5	TUBING DIAMETER (inches): .25	WELL SCREEN INTERVAL DEPTH: 0 feet to 10 feet	STATIC DEPTH TO WATER (feet): 0.75	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (10 feet – 0.75 feet) X .09 gallons/foot = 0.83 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 2	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 2	PURGING INITIATED AT: 9:32	PURGING ENDED AT: 948	TOTAL VOLUME PURGED (gallons): 1.32

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR/ODOR (describe)	ORP (mV)
944	1.0	1.0	0.08	1.60	6.56	26.2	3012	0.10	3.69	CLR/YLW	214.7
946	0.16	1.16	↓	1.60	6.56	26.2	3017	0.10	2.75	↓	213.0
948	0.16	1.32	↓	1.60	6.56	26.2	3013	0.09	2.10	↓	211.6

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Crista Abberger / AMRC	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 949	SAMPLING ENDED AT: 1005
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
								APP	
								APP	

REMARKS: Slight sheen observed, odor observed, unable to identify

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME:	SR 82 MRF Phase II	SITE LOCATION:	SR82 Lee County, FL
WELL NO:	MW-4	SAMPLE ID:	DATE: : 10/31/2023

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
1.5	.25	1 feet to 11 feet	1.00	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)

= (14 feet – 1.00 feet) X .09 gallons/foot = ~~1.25~~ 1.50 = .90 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
3	3	12:35	12:59	2.23

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR/ODOR (describe)	ORP (mV)
12:53	1.5	1.74	0.085	1.00	6.81	27.5	1845	0.04	14.1	Cloudy/muddy	211.1
12:56	.24	1899	0.08	1.00	6.81	27.5	1849	0.06	13.)	/	210.0
12:59	.24	2.23	0.08	1.00	6.82	27.3	1857	0.09	9.74	/	209.8
										Polysomal recente	

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Alex Schenel / AMRC		13:00	13:25

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
3	HDPE		

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
								APP	100<X<400
								APP	-

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME:	SR 82 MRF Phase II	SITE LOCATION:	SR82 Lee County, FL
WELL NO:	MW-5	SAMPLE ID:	DATE: : 10/31/2023

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
1.5	.25	0.5 feet to 10.5 feet	1.20	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)

= (10.5 feet – 1.20 feet) X .09 gallons/foot = .83 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
3	3	1125	1145	1.28

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR/ODOR (describe)	ORP (mV)
1139	1.00	1.00	.07	1.20	7.10	27.3	2646	0.04	7.65	clr/AMB	209.2
1142	.14	1.14	.07	1.20	7.09	27.2	2636	0.04	6.96	↓	208.1
1145	.14	1.28	.07	1.20	7.07	27.2	2626	0.04	6.60	↓	206.7

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Alex Schendel / AMRC		1146	1207

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
3	HDPE		

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
								APP	100<X<400
								APP	-

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME:	SR 82 MRF Phase II	SITE LOCATION:	SR82 Lee County, FL
WELL NO:	MW-6	SAMPLE ID:	DATE: : 10/31/2023

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
1.5	.25	DEPTH 1 feet to 11feet	3.07	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (11 feet – 3.07 feet) X 0.09 gallons/foot = 0.71 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
4	4	1134	1153	0.85

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) ~~µmhos/cm~~ or µS/cm	DISSOLVED OXYGEN (circle units) ~~mg/L~~ or % saturation	TURBIDITY (NTUs)	COLOR/ODOR (describe)	ORP (mV)
1149	0.75	0.75	0.05	3.16	6.85	26.5	807	0.05	0.02	CLR/LW	-193.8
1151	0.10	0.85	↓	3.16	6.85	26.4	806	0.05	0.02	↓	-192.5
1153	0.10	0.95	↓	3.16	6.83	26.4	807	0.04	0.02	↓	-189.8

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Crista Stoberager / AMRC		1154	1214

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
	HDPE		

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
								APP	100<X<400
								APP	-

REMARKS:
Slight sheen

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

FIELD INSTRUMENT CALIBRATION RECORDS - CALIBRATION LOG - PRP

Project Site/FacID: SR82 MRF

Calibrated by (Print)/Affiliation: Crista Abberger

Boldly "X" this box if there is qualified data on this page.

Temperature (Quarterly) Date of Last Temp Verification: See log book:

DISSOLVED OXYGEN (DO) (REFERENCE: DEP SOP FT 1500) **Acceptance Criteria +/-0.3 mg DO/L**

Meter/Instrument Name and Unique ID:

CAL	ICV	CCV	Initials	Date	Time	Standard (DO %)	Temp °C	DO Saturation mg/L (100%)**	Response DO (%)	Response mg DO/L	Deviation mg DO/L	Pass or Fail
CCV			AS	10/27	10:35	100%	23.9	8.4	101.3	8.54	0.14	PASS
CCV			CA	10/31	16:18	100%	23.2	8.5	100.7	8.46	0.04	PASS
SELECT						100%						SELECT
SELECT						100%						SELECT
SELECT						100%						SELECT
SELECT						100%						SELECT

** See Table FS 2200-2 and/or Table FT 1500-1 for Dissolved Oxygen 100% Saturation (mg/L) corresponding to Temperature.

SPECIFIC CONDUCTANCE (REFERENCE: DEP SOP FT 1200) **Acceptance Criteria +/-5% the standard**

Meter/Instrument Name and Unique ID:

CAL	ICV	CCV	Initials	Date	Time	Standard (µmho/cm)	Exp. Date	Lot #	Response (µmho/cm)	Deviation (%)	Pass or Fail
CCV			AS	10/27	10:38	1413	3/24	3GC395	1398	1.1	PASS
CCV			CA	10/31	16:22	1413	3/24	3GC395	1463	3.5	PASS
SELECT											SELECT
SELECT											SELECT
SELECT											SELECT
SELECT											SELECT
SELECT											SELECT
SELECT											SELECT
SELECT											SELECT

OXIDATION-REDUCTION POTENTIAL (ORP) **Acceptance Criteria +/-10 mV**

REFERENCE: ***EPA Region 4, Operating Procedure, Field Measurement of Oxidation-Reduction Potential (ORP)***

Meter/Instrument Name and Unique ID:

CAL	ICV	CCV	Initials	Date	Time	Standard (mV)	Exp. Date	Lot #	Response (mV)	Deviation (mV)	Pass or Fail
CCV			AS	10/27	14:26	220	3/24	3GF1524	230.0	10	PASS
CCV			CA	10/31	16:45	220	3/24	3GF1524	218.7	2.7	PASS
SELECT											SELECT
SELECT											SELECT
SELECT											SELECT
SELECT											SELECT

Perform ICVs and CCVs only in "READ/RUN" mode.

CAL - Calibration; ICV - Initial Calibration Verification; and, CCV - Continuing Calibration Verification.

Deviation (%) = 100-{(Response/Standard)*100}

FIELD INSTRUMENT CALIBRATION RECORDS - CALIBRATION LOG - PRP

Project Site/FacID: SR82 MRF

Calibrated by (Print)/Affiliation: Crista Abberger

Boldly "X" this box if there is qualified data on this page.

TURBIDITY (REFERENCE: DEP SOP FT 1600) Meter/Instrument Name and Unique ID:

Std=0.1-10 NTU +/-10% **Std=11-40 NTU +/-8%** **Std=41-100 NTU +/-6.5%** **Std>100 NTU +/-5%**

CAL	ICV	CCV	Initials	Date	Time	Standard (NTU)	Exp. Date	Lot #	Response (NTU)	Deviation (%)	Pass or Fail
CCV			AS	10/27	11:00	20	12/23	A2256	18.4	8	PASS
CCV			AS	10/27	11:01	100	12/23	A2260	97.1	2.9	PASS
CCV			AS	10/27	11:02	800	12/23	A2252	795	0.06	PASS
CCV			CA	10/31	13:48	20	12/23	A2256	19.9	0.05	PASS
CCV			CA	10/31	13:48	100	12/23	A2260	97.5	2.5	PASS
CCV			CA	10/31	13:49	800	12/23	A2252	762	4.75	PASS
SELECT											SELECT
SELECT											SELECT
SELECT											SELECT
SELECT											SELECT
SELECT											SELECT
SELECT											SELECT
SELECT											SELECT
SELECT											SELECT
SELECT											SELECT

pH (REFERENCE: DEP SOP FT 1100) **Acceptance Criteria +/-0.2 SU**

Meter/Instrument Name and Unique ID:

CAL	ICV	CCV	Initials	Date	Time	Standard (SU)	Exp. Date	Lot #	Response (SU)	Deviation (SU)	Pass or Fail
CCV			AS	10/27	13:45	7	5/25	36F0486	7.15	0.15	PASS
CCV			AS	10/27	13:45	4	3/25	3CGC0916	4.19	0.19	PASS
CCV			CA	10/31	14:31	7	2/25	3GB359	7.00	0.00	PASS
CCV			CA	10/31	14:31	4	8/25	3GH1205	4.17	0.17	PASS
SELECT											SELECT
SELECT											SELECT
SELECT											SELECT
SELECT											SELECT
SELECT											SELECT
SELECT											SELECT
SELECT											SELECT
SELECT											SELECT
SELECT											SELECT
SELECT											SELECT
SELECT											SELECT

Perform ICVs and CCVs only in "READ/RUN" mode.

CAL - Calibration; ICV - Initial Calibration Verification; and, CCV - Continuing Calibration Verification.

Deviation (%) = 100-{(Response/Standard)*100}

Appendix B

Groundwater Analytical Report and Chain of Custody

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

December 19, 2023

John Herman
AMRC
5230 Clayton Ct.
Fort Myers, FL 33907

RE: Workorder: F2307128 SR-82MRF

Dear John Herman:

Enclosed are the analytical results for sample(s) received by the laboratory on Tuesday October 31, 2023. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Josh Snead

Josh Snead, Laboratory Manager
JSnead@aellab.com

Certificate of Analysis

POWERED BY HORIZON v.13.1.0

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
F2307128001	MW-1	WA	AEL SOP-041/LCMSMS	10/31/2023 13:39	10/31/2023 16:54	25	NA
F2307128001	MW-1	WA	EPA 300.0	10/31/2023 13:39	10/31/2023 16:54	3	NA
F2307128001	MW-1	WA	EPA 350.1	10/31/2023 13:39	10/31/2023 16:54	1	NA
F2307128001	MW-1	WA	EPA 8081	10/31/2023 13:39	10/31/2023 16:54	19	NA
F2307128001	MW-1	WA	EPA 8141	10/31/2023 13:39	10/31/2023 16:54	22	NA
F2307128001	MW-1	WA	EPA 8151	10/31/2023 13:39	10/31/2023 16:54	9	NA
F2307128001	MW-1	WA	FL-PRO	10/31/2023 13:39	10/31/2023 16:54	1	NA
F2307128001	MW-1	WA	SM 2540 C	10/31/2023 13:39	10/31/2023 16:54	1	NA
F2307128001	MW-1	WA	SW-846 6010	10/31/2023 13:39	10/31/2023 16:54	13	NA
F2307128001	MW-1	WA	SW-846 7470A	10/31/2023 13:39	10/31/2023 16:54	1	NA
F2307128001	MW-1	WA	SW-846 8082A	10/31/2023 13:39	10/31/2023 16:54	7	NA
F2307128001	MW-1	WA	SW-846 8260D	10/31/2023 13:39	10/31/2023 16:54	40	NA
F2307128001	MW-1	WA	SW-846 8270C	10/31/2023 13:39	10/31/2023 16:54	59	NA
F2307128002	MW-2	WA	AEL SOP-041/LCMSMS	10/31/2023 14:51	10/31/2023 16:54	25	NA
F2307128002	MW-2	WA	EPA 300.0	10/31/2023 14:51	10/31/2023 16:54	3	NA
F2307128002	MW-2	WA	EPA 350.1	10/31/2023 14:51	10/31/2023 16:54	1	NA
F2307128002	MW-2	WA	EPA 8081	10/31/2023 14:51	10/31/2023 16:54	19	NA
F2307128002	MW-2	WA	EPA 8141	10/31/2023 14:51	10/31/2023 16:54	22	NA
F2307128002	MW-2	WA	EPA 8151	10/31/2023 14:51	10/31/2023 16:54	9	NA
F2307128002	MW-2	WA	FL-PRO	10/31/2023 14:51	10/31/2023 16:54	1	NA
F2307128002	MW-2	WA	SM 2540 C	10/31/2023 14:51	10/31/2023 16:54	1	NA
F2307128002	MW-2	WA	SW-846 6010	10/31/2023 14:51	10/31/2023 16:54	13	NA
F2307128002	MW-2	WA	SW-846 7470A	10/31/2023 14:51	10/31/2023 16:54	1	NA
F2307128002	MW-2	WA	SW-846 8082A	10/31/2023 14:51	10/31/2023 16:54	7	NA
F2307128002	MW-2	WA	SW-846 8260D	10/31/2023 14:51	10/31/2023 16:54	40	NA
F2307128002	MW-2	WA	SW-846 8270C	10/31/2023 14:51	10/31/2023 16:54	59	NA
F2307128003	MW-3	WA	AEL SOP-041/LCMSMS	10/31/2023 10:05	10/31/2023 16:54	25	NA
F2307128003	MW-3	WA	EPA 300.0	10/31/2023 10:05	10/31/2023 16:54	3	NA
F2307128003	MW-3	WA	EPA 350.1	10/31/2023 10:05	10/31/2023 16:54	1	NA
F2307128003	MW-3	WA	EPA 8081	10/31/2023 10:05	10/31/2023 16:54	19	NA
F2307128003	MW-3	WA	EPA 8141	10/31/2023 10:05	10/31/2023 16:54	22	NA
F2307128003	MW-3	WA	EPA 8151	10/31/2023 10:05	10/31/2023 16:54	9	NA
F2307128003	MW-3	WA	FL-PRO	10/31/2023 10:05	10/31/2023 16:54	1	NA
F2307128003	MW-3	WA	SM 2540 C	10/31/2023 10:05	10/31/2023 16:54	1	NA
F2307128003	MW-3	WA	SW-846 6010	10/31/2023 10:05	10/31/2023 16:54	13	NA

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
F2307128003	MW-3	WA	SW-846 7470A	10/31/2023 10:05	10/31/2023 16:54	1	NA
F2307128003	MW-3	WA	SW-846 8082A	10/31/2023 10:05	10/31/2023 16:54	7	NA
F2307128003	MW-3	WA	SW-846 8260D	10/31/2023 10:05	10/31/2023 16:54	40	NA
F2307128003	MW-3	WA	SW-846 8270C	10/31/2023 10:05	10/31/2023 16:54	59	NA
F2307128004	MW-4	WA	AEL SOP-041/LCMSMS	10/31/2023 03:23	10/31/2023 16:54	25	NA
F2307128004	MW-4	WA	EPA 300.0	10/31/2023 03:23	10/31/2023 16:54	3	NA
F2307128004	MW-4	WA	EPA 350.1	10/31/2023 03:23	10/31/2023 16:54	1	NA
F2307128004	MW-4	WA	EPA 8081	10/31/2023 03:23	10/31/2023 16:54	19	NA
F2307128004	MW-4	WA	EPA 8141	10/31/2023 03:23	10/31/2023 16:54	22	NA
F2307128004	MW-4	WA	EPA 8151	10/31/2023 03:23	10/31/2023 16:54	9	NA
F2307128004	MW-4	WA	FL-PRO	10/31/2023 03:23	10/31/2023 16:54	1	NA
F2307128004	MW-4	WA	SM 2540 C	10/31/2023 03:23	10/31/2023 16:54	1	NA
F2307128004	MW-4	WA	SW-846 6010	10/31/2023 03:23	10/31/2023 16:54	13	NA
F2307128004	MW-4	WA	SW-846 7470A	10/31/2023 03:23	10/31/2023 16:54	1	NA
F2307128004	MW-4	WA	SW-846 8082A	10/31/2023 03:23	10/31/2023 16:54	7	NA
F2307128004	MW-4	WA	SW-846 8260D	10/31/2023 03:23	10/31/2023 16:54	40	NA
F2307128004	MW-4	WA	SW-846 8270C	10/31/2023 03:23	10/31/2023 16:54	59	NA
F2307128005	MW-5	WA	AEL SOP-041/LCMSMS	10/31/2023 12:07	10/31/2023 16:54	25	NA
F2307128005	MW-5	WA	EPA 300.0	10/31/2023 12:07	10/31/2023 16:54	3	NA
F2307128005	MW-5	WA	EPA 350.1	10/31/2023 12:07	10/31/2023 16:54	1	NA
F2307128005	MW-5	WA	EPA 8081	10/31/2023 12:07	10/31/2023 16:54	19	NA
F2307128005	MW-5	WA	EPA 8141	10/31/2023 12:07	10/31/2023 16:54	22	NA
F2307128005	MW-5	WA	EPA 8151	10/31/2023 12:07	10/31/2023 16:54	9	NA
F2307128005	MW-5	WA	FL-PRO	10/31/2023 12:07	10/31/2023 16:54	1	NA
F2307128005	MW-5	WA	SM 2540 C	10/31/2023 12:07	10/31/2023 16:54	1	NA
F2307128005	MW-5	WA	SW-846 6010	10/31/2023 12:07	10/31/2023 16:54	13	NA
F2307128005	MW-5	WA	SW-846 7470A	10/31/2023 12:07	10/31/2023 16:54	1	NA
F2307128005	MW-5	WA	SW-846 8082A	10/31/2023 12:07	10/31/2023 16:54	7	NA
F2307128005	MW-5	WA	SW-846 8260D	10/31/2023 12:07	10/31/2023 16:54	40	NA
F2307128005	MW-5	WA	SW-846 8270C	10/31/2023 12:07	10/31/2023 16:54	59	NA
F2307128006	MW-6	WA	AEL SOP-041/LCMSMS	10/31/2023 12:14	10/31/2023 16:54	25	NA
F2307128006	MW-6	WA	EPA 300.0	10/31/2023 12:14	10/31/2023 16:54	3	NA
F2307128006	MW-6	WA	EPA 350.1	10/31/2023 12:14	10/31/2023 16:54	1	NA
F2307128006	MW-6	WA	EPA 8081	10/31/2023 12:14	10/31/2023 16:54	19	NA
F2307128006	MW-6	WA	EPA 8141	10/31/2023 12:14	10/31/2023 16:54	22	NA

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
F2307128006	MW-6	WA	EPA 8151	10/31/2023 12:14	10/31/2023 16:54	9	NA
F2307128006	MW-6	WA	FL-PRO	10/31/2023 12:14	10/31/2023 16:54	1	NA
F2307128006	MW-6	WA	SM 2540 C	10/31/2023 12:14	10/31/2023 16:54	1	NA
F2307128006	MW-6	WA	SW-846 6010	10/31/2023 12:14	10/31/2023 16:54	13	NA
F2307128006	MW-6	WA	SW-846 7470A	10/31/2023 12:14	10/31/2023 16:54	1	NA
F2307128006	MW-6	WA	SW-846 8082A	10/31/2023 12:14	10/31/2023 16:54	7	NA
F2307128006	MW-6	WA	SW-846 8260D	10/31/2023 12:14	10/31/2023 16:54	40	NA
F2307128006	MW-6	WA	SW-846 8270C	10/31/2023 12:14	10/31/2023 16:54	59	NA
F2307128007	Field Reagent Blank	WA		10/31/2023 09:25	10/31/2023 16:54	0	NA

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Workorder Summary

Batch Comments

CVAt/2096 - HG Analysis,CVAA,Aqueous

The matrix spike recovery of Hg for G2310954001 was outside control criteria. Recoveries in the Laboratory Control Sample (LCS), Matrix Spike Duplicate (MSD) and %RPD were acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential low bias in this matrix. No further corrective action was required.

GCSj/5600 - 8081/8082/608 Analysis,Water

The relative percent difference (RPD) for alpha-BH between the Laboratory Control Sample (LCS) and the Laboratory Control Sample Duplicate (LCSD) was outside control criteria due to relatively higher spike recovery in the LCSD in comparison with LCS. Spike recoveries in the LCS and LCSD were within acceptable limits, indicating the analytical batch was in control. No further corrective action was required.

The upper control criterion was exceeded for several target analytes in the closing Continuing Calibration Verification (CCV) standards for sample J2316427021, indicating increased sensitivity. The client samples reported in this batch did not contain the analytes in question. Since the apparent problem equates to a potential high bias, the data quality is not affected. No further corrective action was required.

GCSj/5601 - 8081/8082/608 Analysis,Water

The relative percent difference (RPD) for Aroclor 1016 (PCB-1016) between the Laboratory Control Sample (LCS) and the Laboratory Control Sample Duplicate (LCSD) was outside control criteria due to relatively higher spike recovery in the LCS in comparison with LCSD. Spike recoveries in the LCS and LCSD were within acceptable limits, indicating the analytical batch was in control. No further corrective action was required.

HPLj/2303 - E533 Analysis,Water

The samples in WO F2307128 were diluted prior to instrumental analysis. The extracts were highly colored and viscous which indicated the need to perform a dilution prior to injection into the instrument.

The relative percent difference (RPD) for 11Cl-PF3OUdS, 6:2 FTS, HFPO-DA, PFDoA between the Laboratory Control Sample (LCS) and the Laboratory Control Sample Duplicate (LCSD) was outside control criteria due to relatively higher spike recovery in 5053728 (LCS) in comparison with 5053729 (LCSD). Spike recoveries in the LCS and LCSD were within acceptable limits, indicating the analytical batch was in control. No further corrective action was required.

The upper control criterion was exceeded for several target analytes in Continuing Calibration Verification (CCV) standards for analytical batch HPLj:2303, indicating increased sensitivity. The client samples reported in this batch did not contain the analytes in question. Since the apparent problem equates to a potential high bias, the data quality is not affected. No further corrective action was required.

The Method Detection Limit (MDL) for all analytes for WO F2307128 were elevated due to difficult sample matrix. Due to matrix interferences, the samples were extracted using a 125mL initial volume, instead of the typical 250mL initial volume. As a result, the reported MDL is elevated on the final report.

MSVt/7942 - 8260D Analysis,Water

The samples: T2322171006, T2322171007, T2322171010, & T2322334001 were diluted prior to instrumental analysis. The samples were highly colored which indicated the need to perform a dilution prior to injection into the instrument.

Task Comments

F2307128001 (MW-1) - GCSj/5601 - 8081/8082/608 Analysis,Water

The extractionist noted that sample F2307128001 exhibited emulsions, which is known to adversely affect the recoveries in a negative fashion. The affected analytes and/or surrogates have been qualified to indicate matrix interference.

F2307128001 (MW-1) - HPLj/2303 - E533 Analysis,Water

The upper control criterion (50-150%) was exceeded for the 13C2-8:2FTS (152%) surrogate/EIS in sample F2307128001. The error associated with an elevated recovery equates to a high bias. The quality of the sample data is not significantly affected, as internal recoveries were within acceptance criteria of the ICAL and are consistent with quality control samples.

F2307128003 (MW-3) - GCSj/5601 - 8081/8082/608 Analysis,Water

The extractionist noted that sample F2307128003 exhibited emulsions, which is known to adversely affect the recoveries in a negative fashion. The affected analytes and/or surrogates have been qualified to indicate matrix interference.

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Workorder Summary

Task Comments

F2307128003 (MW-3) - HPLj/2303 - E533 Analysis,Water

The upper control criterion (50-150%) was exceeded for the 13C2-4:2FTS surrogate/EIS in sample F2307128003. The error associated with an elevated recovery equates to a high bias. The quality of the sample data is not significantly affected, as internal recoveries were within acceptance criteria of the ICAL and are consistent with quality control samples.

F2307128005 (MW-5) - GCSj/5601 - 8081/8082/608 Analysis,Water

The extractionist noted that sample F2307128005 exhibited emulsions, which is known to adversely affect the recoveries in a negative fashion. The affected analytes and/or surrogates have been qualified to indicate matrix interference.

F2307128005 (MW-5) - GCSj/5600 - 8081/8082/608 Analysis,Water

The extractionist noted that sample F2307128005 exhibited very high emulsions, which is known to adversely affect the recoveries in a negative fashion. The affected analytes and/or surrogates have been qualified to indicate matrix interference.

F2307128005 (MW-5) - HPLj/2303 - E533 Analysis,Water

The upper control criterion (50-150%) was exceeded for the 13C3-PFHXS (151%) surrogate/EIS in sample F2307128005. The error associated with an elevated recovery equates to a high bias. The quality of the sample data is not significantly affected, as internal recoveries were within acceptance criteria of the ICAL and are consistent with quality control samples.

F2307128006 (MW-6) - HPLj/2303 - E533 Analysis,Water

The lower control criterion (50-150%) was exceeded for the 13C2-PFDOA (45.2%) surrogate/EIS in F2307128006 due to matrix interference. No target analytes were detected in the samples. The quality of the sample data is not significantly affected as internal standard area counts met criteria. No further corrective action is required.

Analysis Results Comments

F2307128001 (MW-1) - Tetrachloro-m-xylene

J4|Estimated Result

F2307128003 (MW-3) - Tetrachloro-m-xylene

J4|Estimated Result

F2307128005 (MW-5) - Decachlorobiphenyl

J4|Estimated Result

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results Qualifiers

Parameter Qualifiers

U	The compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Lab Qualifiers

F	DOH Certification #E84492 (FL NELAC) AEL-Ft. Myers
J	DOH Certification #E82574 (FL NELAC) AEL-Jacksonville DOD-ELAP Certification #L23-514 (ISO/IEC 17025:2017) AEL-Jacksonville
M	DOH Certification #E82535 (FL NELAC) AEL-Miami
T	DOH Certification #E84589 (FL NELAC) AEL-Tampa

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128001 **Date Collected:** 10/31/2023 13:39 **Matrix:** Water
Sample ID: MW-1 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(AEL SOP-041/LCMSMS)								
ADONA	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 09:44	J
11Cl-PF3OUdS	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 09:44	J
9Cl-PF3ONS	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 09:44	J
4:2 FTS	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 09:44	J
6:2 FTS	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 09:44	J
8:2 FTS	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 09:44	J
HFPO-DA	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 09:44	J
NFDHA	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 09:44	J
PFBS	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 09:44	J
PFBA	**47 I**	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 09:44	J
PFDA	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 09:44	J
PFDoA	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 09:44	J
PFHpS	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 09:44	J
PFHpA	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 09:44	J
PFHxS	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 09:44	J
PFHxA	**49 I**	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 09:44	J
PFMBA	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 09:44	J
PFMPA	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 09:44	J
PFNA	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 09:44	J
PFOS	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 09:44	J
PFOA	**50 I**	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 09:44	J
PFPeS	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 09:44	J
PFPeA	**47 I**	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 09:44	J
PFUnA	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 09:44	J
PFEESA	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 09:44	J
METALS (SW-846 3010A/SW-846 6010)								

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128001 **Date Collected:** 10/31/2023 13:39 **Matrix:** Water
Sample ID: MW-1 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Arsenic	8.0 U	ug/L	10	8.0	1	11/17/2023 12:00	11/21/2023 10:05	T
Barium	**0.11**	mg/L	0.010	0.0030	1	11/17/2023 12:00	11/21/2023 10:05	T
Cadmium	1.0 U	ug/L	2.0	1.0	1	11/17/2023 12:00	11/21/2023 10:05	T
Calcium	**140**	mg/L	1.0	0.20	1	11/17/2023 12:00	11/21/2023 10:05	T
Chromium	5.0 U	ug/L	10	5.0	1	11/17/2023 12:00	11/21/2023 10:05	T
Iron	**5.6**	mg/L	0.10	0.0067	1	11/17/2023 12:00	11/21/2023 10:05	T
Lead	3.0 U	ug/L	10	3.0	1	11/17/2023 12:00	11/21/2023 10:05	T
Manganese	**0.055**	mg/L	0.010	0.0050	1	11/17/2023 12:00	11/21/2023 10:05	T
Potassium	**29**	mg/L	1.0	0.50	1	11/17/2023 12:00	11/21/2023 10:05	T
Selenium	0.020 U	mg/L	0.10	0.020	1	11/17/2023 12:00	11/21/2023 10:05	T
Silver	0.0080 U	mg/L	0.010	0.0080	1	11/17/2023 12:00	11/21/2023 10:05	T
Sodium	**67**	mg/L	1.0	0.80	1	11/17/2023 12:00	11/21/2023 10:05	T
Zinc	0.050 U	mg/L	0.10	0.050	1	11/17/2023 12:00	11/21/2023 10:05	T
METALS (SW-846 7470A)								
Mercury	0.011 U	ug/L	0.10	0.011	1	11/09/2023 10:30	11/14/2023 17:01	T
SEMIVOLATILES (8151/EPA 8151)								
2,4,5-T	2.0 U	ug/L	8.0	2.0	1	11/06/2023 07:00	11/09/2023 14:37	J
2,4-D	2.0 U	ug/L	8.0	2.0	1	11/06/2023 07:00	11/09/2023 14:37	J
2,4-DB	2.0 U	ug/L	8.0	2.0	1	11/06/2023 07:00	11/09/2023 14:37	J
Dalapon	8.0 U	ug/L	32	8.0	1	11/06/2023 07:00	11/09/2023 14:37	J
Dicamba	1.0 U	ug/L	4.0	1.0	1	11/06/2023 07:00	11/09/2023 14:37	J
Dichloroprop	2.0 U	ug/L	8.0	2.0	1	11/06/2023 07:00	11/09/2023 14:37	J
Dinoseb	0.70 U	ug/L	2.8	0.70	1	11/06/2023 07:00	11/09/2023 14:37	J
Pentachlorophenol	0.30 U	ug/L	1.0	0.30	1	11/06/2023 07:00	11/09/2023 14:37	J
Silvex (2,4,5-TP)	1.0 U	ug/L	4.0	1.0	1	11/06/2023 07:00	11/09/2023 14:37	J
SEMIVOLATILES (FL-PRO)								
TPH	0.53 U	mg/L	0.63	0.53	1	11/06/2023 13:00	11/07/2023 19:21	T
SEMIVOLATILES (SW-846 3510C/EPA 8081)								

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128001 **Date Collected:** 10/31/2023 13:39 **Matrix:** Water
Sample ID: MW-1 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
4,4`-DDD	0.0016 U	ug/L	0.020	0.0016	1	11/06/2023 16:00	11/08/2023 22:58	J
4,4`-DDE	0.0037 U	ug/L	0.020	0.0037	1	11/06/2023 16:00	11/08/2023 22:58	J
4,4`-DDT	0.0021 U	ug/L	0.020	0.0021	1	11/06/2023 16:00	11/08/2023 22:58	J
Aldrin	0.0019 U	ug/L	0.020	0.0019	1	11/06/2023 16:00	11/08/2023 22:58	J
Chlordane (technical)	0.053 U	ug/L	0.20	0.053	1	11/06/2023 16:00	11/08/2023 22:58	J
Dieldrin	0.0011 U	ug/L	0.020	0.0011	1	11/06/2023 16:00	11/08/2023 22:58	J
Endosulfan I	0.0031 U	ug/L	0.020	0.0031	1	11/06/2023 16:00	11/08/2023 22:58	J
Endosulfan II	0.0026 U	ug/L	0.020	0.0026	1	11/06/2023 16:00	11/08/2023 22:58	J
Endosulfan Sulfate	0.0032 U	ug/L	0.020	0.0032	1	11/06/2023 16:00	11/08/2023 22:58	J
Endrin	0.0017 U	ug/L	0.020	0.0017	1	11/06/2023 16:00	11/08/2023 22:58	J
Endrin Aldehyde	0.0025 U	ug/L	0.020	0.0025	1	11/06/2023 16:00	11/08/2023 22:58	J
Heptachlor	0.0035 U	ug/L	0.020	0.0035	1	11/06/2023 16:00	11/08/2023 22:58	J
Heptachlor Epoxide	0.0017 U	ug/L	0.020	0.0017	1	11/06/2023 16:00	11/08/2023 22:58	J
Methoxychlor	0.0058 U	ug/L	0.020	0.0058	1	11/06/2023 16:00	11/08/2023 22:58	J
Toxaphene	0.12 U	ug/L	0.20	0.12	1	11/06/2023 16:00	11/08/2023 22:58	J
alpha-BHC	0.0030 U	ug/L	0.020	0.0030	1	11/06/2023 16:00	11/08/2023 22:58	J
beta-BHC	0.0019 U	ug/L	0.020	0.0019	1	11/06/2023 16:00	11/08/2023 22:58	J
delta-BHC	0.00086 U	ug/L	0.020	0.00086	1	11/06/2023 16:00	11/08/2023 22:58	J
gamma-BHC (Lindane)	0.0018 U	ug/L	0.020	0.0018	1	11/06/2023 16:00	11/08/2023 22:58	J
SEMIVOLATILES (SW-846 3510C/EPA 8141)								
Atrazine	0.071 U	ug/L	0.20	0.071	1	11/06/2023 16:00	11/09/2023 19:46	J
Azinphos-methyl	0.057 U	ug/L	0.20	0.057	1	11/06/2023 16:00	11/09/2023 19:46	J
Chlorpyrifos	0.041 U	ug/L	0.20	0.041	1	11/06/2023 16:00	11/09/2023 19:46	J
Chlorpyrifos-methyl	0.060 U	ug/L	0.20	0.060	1	11/06/2023 16:00	11/09/2023 19:46	J
Demeton	0.060 U	ug/L	0.20	0.060	1	11/06/2023 16:00	11/09/2023 19:46	J
Diazinon	0.055 U	ug/L	0.20	0.055	1	11/06/2023 16:00	11/09/2023 19:46	J
Dimethoate	0.054 U	ug/L	0.20	0.054	1	11/06/2023 16:00	11/09/2023 19:46	J

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128001 **Date Collected:** 10/31/2023 13:39 **Matrix:** Water
Sample ID: MW-1 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Disulfoton	0.041 U	ug/L	0.20	0.041	1	11/06/2023 16:00	11/09/2023 19:46	J
Ethion	0.069 U	ug/L	0.20	0.069	1	11/06/2023 16:00	11/09/2023 19:46	J
Ethoprop	0.047 U	ug/L	0.20	0.047	1	11/06/2023 16:00	11/09/2023 19:46	J
Famphur	0.11 U	ug/L	0.20	0.11	1	11/06/2023 16:00	11/09/2023 19:46	J
Fensulfothion	0.047 U	ug/L	0.20	0.047	1	11/06/2023 16:00	11/09/2023 19:46	J
Fonophos	0.050 U	ug/L	0.20	0.050	1	11/06/2023 16:00	11/09/2023 19:46	J
Malathion	0.073 U	ug/L	0.20	0.073	1	11/06/2023 16:00	11/09/2023 19:46	J
Merphos	0.057 U	ug/L	0.20	0.057	1	11/06/2023 16:00	11/09/2023 19:46	J
Methyl Parathion	0.054 U	ug/L	0.20	0.054	1	11/06/2023 16:00	11/09/2023 19:46	J
Mevinphos	0.055 U	ug/L	0.20	0.055	1	11/06/2023 16:00	11/09/2023 19:46	J
Parathion (Ethyl)	0.064 U	ug/L	0.20	0.064	1	11/06/2023 16:00	11/09/2023 19:46	J
Phorate	0.044 U	ug/L	0.20	0.044	1	11/06/2023 16:00	11/09/2023 19:46	J
Phosmet	0.076 U	ug/L	0.20	0.076	1	11/06/2023 16:00	11/09/2023 19:46	J
Ronnel	0.048 U	ug/L	0.20	0.048	1	11/06/2023 16:00	11/09/2023 19:46	J
Simazine	0.072 U	ug/L	0.20	0.072	1	11/06/2023 16:00	11/09/2023 19:46	J
SEMIVOLATILES (SW-846 3510C/SW-846 8082A)								
Aroclor 1016 (PCB-1016)	0.12 U	ug/L	0.50	0.12	1	11/06/2023 16:00	11/08/2023 22:58	J
Aroclor 1221 (PCB-1221)	0.12 U	ug/L	0.50	0.12	1	11/06/2023 16:00	11/08/2023 22:58	J
Aroclor 1232 (PCB-1232)	0.12 U	ug/L	0.50	0.12	1	11/06/2023 16:00	11/08/2023 22:58	J
Aroclor 1242 (PCB-1242)	0.12 U	ug/L	0.50	0.12	1	11/06/2023 16:00	11/08/2023 22:58	J
Aroclor 1248 (PCB-1248)	0.12 U	ug/L	0.50	0.12	1	11/06/2023 16:00	11/08/2023 22:58	J
Aroclor 1254 (PCB-1254)	0.12 U	ug/L	0.50	0.12	1	11/06/2023 16:00	11/08/2023 22:58	J
Aroclor 1260 (PCB-1260)	0.12 U	ug/L	0.50	0.12	1	11/06/2023 16:00	11/08/2023 22:58	J
SEMIVOLATILES (SW-846 3510C/SW-846 8270C)								
1,2,4-Trichlorobenzene	0.69 U	ug/L	5.0	0.69	1	11/06/2023 07:00	11/10/2023 17:38	J
1,2-Dichlorobenzene	1.4 U	ug/L	5.0	1.4	1	11/06/2023 07:00	11/10/2023 17:38	J
1,2-Diphenylhydrazine	0.96 U	ug/L	5.0	0.96	1	11/06/2023 07:00	11/10/2023 17:38	J

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128001 **Date Collected:** 10/31/2023 13:39 **Matrix:** Water
Sample ID: MW-1 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,3-Dichlorobenzene	1.0 U	ug/L	5.0	1.0	1	11/06/2023 07:00	11/10/2023 17:38	J
1,4-Dichlorobenzene	2.0 U	ug/L	5.0	2.0	1	11/06/2023 07:00	11/10/2023 17:38	J
1-Methylnaphthalene	0.050 U	ug/L	5.0	0.050	1	11/06/2023 07:00	11/10/2023 17:38	J
2,4,6-Trichlorophenol	1.4 U	ug/L	5.0	1.4	1	11/06/2023 07:00	11/10/2023 17:38	J
2,4-Dichlorophenol	0.90 U	ug/L	5.0	0.90	1	11/06/2023 07:00	11/10/2023 17:38	J
2,4-Dimethylphenol	2.6 U	ug/L	5.0	2.6	1	11/06/2023 07:00	11/10/2023 17:38	J
2,4-Dinitrophenol	1.1 U	ug/L	10	1.1	1	11/06/2023 07:00	11/10/2023 17:38	J
2,4-Dinitrotoluene (2,4-DNT)	1.8 U	ug/L	5.0	1.8	1	11/06/2023 07:00	11/10/2023 17:38	J
2,6-Dinitrotoluene (2,6-DNT)	2.0 U	ug/L	5.0	2.0	1	11/06/2023 07:00	11/10/2023 17:38	J
2-Chloronaphthalene	1.7 U	ug/L	5.0	1.7	1	11/06/2023 07:00	11/10/2023 17:38	J
2-Chlorophenol	1.5 U	ug/L	5.0	1.5	1	11/06/2023 07:00	11/10/2023 17:38	J
2-Methyl-4,6-dinitrophenol	1.2 U	ug/L	10	1.2	1	11/06/2023 07:00	11/10/2023 17:38	J
2-Methylnaphthalene	0.049 U	ug/L	5.0	0.049	1	11/06/2023 07:00	11/10/2023 17:38	J
2-Nitrophenol	0.63 U	ug/L	5.0	0.63	1	11/06/2023 07:00	11/10/2023 17:38	J
3,3`-Dichlorobenzidine	1.3 U	ug/L	5.0	1.3	1	11/06/2023 07:00	11/10/2023 17:38	J
4-Bromophenyl Phenyl Ether	1.1 U	ug/L	5.0	1.1	1	11/06/2023 07:00	11/10/2023 17:38	J
4-Chloro-3-methylphenol	0.63 U	ug/L	5.0	0.63	1	11/06/2023 07:00	11/10/2023 17:38	J
4-Chlorophenyl Phenyl Ether	1.6 U	ug/L	5.0	1.6	1	11/06/2023 07:00	11/10/2023 17:38	J
4-Nitrophenol	2.9 U	ug/L	10	2.9	1	11/06/2023 07:00	11/10/2023 17:38	J
Acenaphthene	0.040 U	ug/L	5.0	0.040	1	11/06/2023 07:00	11/10/2023 17:38	J
Acenaphthylene	0.042 U	ug/L	5.0	0.042	1	11/06/2023 07:00	11/10/2023 17:38	J
Anthracene	0.035 U	ug/L	5.0	0.035	1	11/06/2023 07:00	11/10/2023 17:38	J
Benzidine	1.2 U	ug/L	5.0	1.2	1	11/06/2023 07:00	11/10/2023 17:38	J
Benzo[a]anthracene	**0.036 I**	ug/L	5.0	0.012	1	11/06/2023 07:00	11/10/2023 17:38	J
Benzo[a]pyrene	**0.14 I**	ug/L	5.0	0.037	1	11/06/2023 07:00	11/10/2023 17:38	J
Benzo[b]fluoranthene	**0.14 I**	ug/L	5.0	0.012	1	11/06/2023 07:00	11/10/2023 17:38	J
Benzo[g,h,i]perylene	**0.15 I**	ug/L	5.0	0.048	1	11/06/2023 07:00	11/10/2023 17:38	J

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128001 **Date Collected:** 10/31/2023 13:39 **Matrix:** Water
Sample ID: MW-1 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[k]fluoranthene	**0.13 I**	ug/L	5.0	0.048	1	11/06/2023 07:00	11/10/2023 17:38	J
Butyl benzyl phthalate	1.1 U	ug/L	5.0	1.1	1	11/06/2023 07:00	11/10/2023 17:38	J
Chrysene	**0.089 I**	ug/L	5.0	0.033	1	11/06/2023 07:00	11/10/2023 17:38	J
Di-n-Butyl Phthalate	0.88 U	ug/L	5.0	0.88	1	11/06/2023 07:00	11/10/2023 17:38	J
Di-n-octyl Phthalate	1.2 U	ug/L	5.0	1.2	1	11/06/2023 07:00	11/10/2023 17:38	J
Dibenzo[a,h]anthracene	**0.14 I**	ug/L	5.0	0.024	1	11/06/2023 07:00	11/10/2023 17:38	J
Diethyl phthalate	2.1 U	ug/L	5.0	2.1	1	11/06/2023 07:00	11/10/2023 17:38	J
Dimethyl phthalate	1.8 U	ug/L	5.0	1.8	1	11/06/2023 07:00	11/10/2023 17:38	J
Fluoranthene	0.037 U	ug/L	5.0	0.037	1	11/06/2023 07:00	11/10/2023 17:38	J
Fluorene	0.038 U	ug/L	5.0	0.038	1	11/06/2023 07:00	11/10/2023 17:38	J
Hexachlorobenzene	0.99 U	ug/L	5.0	0.99	1	11/06/2023 07:00	11/10/2023 17:38	J
Hexachlorobutadiene	1.3 U	ug/L	5.0	1.3	1	11/06/2023 07:00	11/10/2023 17:38	J
Hexachlorocyclopentadiene	1.0 U	ug/L	5.0	1.0	1	11/06/2023 07:00	11/10/2023 17:38	J
Hexachloroethane	1.2 U	ug/L	5.0	1.2	1	11/06/2023 07:00	11/10/2023 17:38	J
Indeno(1,2,3-cd)pyrene	**0.11 I**	ug/L	0.20	0.011	1	11/06/2023 07:00	11/17/2023 17:27	J
Isophorone	1.1 U	ug/L	5.0	1.1	1	11/06/2023 07:00	11/10/2023 17:38	J
N-Nitrosodi-n-propylamine	2.2 U	ug/L	5.0	2.2	1	11/06/2023 07:00	11/10/2023 17:38	J
N-Nitrosodimethylamine	0.93 U	ug/L	5.0	0.93	1	11/06/2023 07:00	11/10/2023 17:38	J
N-Nitrosodiphenylamine	2.1 U	ug/L	10	2.1	1	11/06/2023 07:00	11/10/2023 17:38	J
Naphthalene	0.048 U	ug/L	5.0	0.048	1	11/06/2023 07:00	11/10/2023 17:38	J
Nitrobenzene	1.1 U	ug/L	5.0	1.1	1	11/06/2023 07:00	11/10/2023 17:38	J
Pentachlorophenol	0.95 U	ug/L	5.0	0.95	1	11/06/2023 07:00	11/10/2023 17:38	J
Phenanthrene	0.040 U	ug/L	5.0	0.040	1	11/06/2023 07:00	11/10/2023 17:38	J
Phenol	0.54 U	ug/L	5.0	0.54	1	11/06/2023 07:00	11/10/2023 17:38	J
Pyrene	0.036 U	ug/L	5.0	0.036	1	11/06/2023 07:00	11/10/2023 17:38	J
bis(2-Chloroethoxy)methane	1.2 U	ug/L	5.0	1.2	1	11/06/2023 07:00	11/10/2023 17:38	J
bis(2-Chloroethyl)Ether	1.5 U	ug/L	5.0	1.5	1	11/06/2023 07:00	11/10/2023 17:38	J

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128001 **Date Collected:** 10/31/2023 13:39 **Matrix:** Water
Sample ID: MW-1 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
bis(2-Chloroisopropyl) Ether	1.4 U	ug/L	5.0	1.4	1	11/06/2023 07:00	11/10/2023 17:38	J
bis(2-Ethylhexyl) phthalate	2.0 U	ug/L	5.0	2.0	1	11/06/2023 07:00	11/10/2023 17:38	J
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	11/11/2023 14:14	11/11/2023 23:40	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	11/11/2023 14:14	11/11/2023 23:40	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	11/11/2023 14:14	11/11/2023 23:40	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	11/11/2023 14:14	11/11/2023 23:40	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	11/11/2023 14:14	11/11/2023 23:40	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	11/11/2023 14:14	11/11/2023 23:40	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	11/11/2023 14:14	11/11/2023 23:40	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	11/11/2023 14:14	11/11/2023 23:40	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	11/11/2023 14:14	11/11/2023 23:40	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	11/11/2023 14:14	11/11/2023 23:40	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	11/11/2023 14:14	11/11/2023 23:40	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	11/11/2023 14:14	11/11/2023 23:40	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	11/11/2023 14:14	11/11/2023 23:40	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	11/11/2023 14:14	11/11/2023 23:40	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	11/11/2023 14:14	11/11/2023 23:40	T
Benzene	0.28 U	ug/L	1.0	0.28	1	11/11/2023 14:14	11/11/2023 23:40	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	11/11/2023 14:14	11/11/2023 23:40	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	11/11/2023 14:14	11/11/2023 23:40	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	11/11/2023 14:14	11/11/2023 23:40	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	11/11/2023 14:14	11/11/2023 23:40	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	11/11/2023 14:14	11/11/2023 23:40	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	11/11/2023 14:14	11/11/2023 23:40	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	11/11/2023 14:14	11/11/2023 23:40	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	11/11/2023 14:14	11/11/2023 23:40	T

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128001 **Date Collected:** 10/31/2023 13:39 **Matrix:** Water
Sample ID: MW-1 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	11/11/2023 14:14	11/11/2023 23:40	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	11/11/2023 14:14	11/11/2023 23:40	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	11/11/2023 14:14	11/11/2023 23:40	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	11/11/2023 14:14	11/11/2023 23:40	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	11/11/2023 14:14	11/11/2023 23:40	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	11/11/2023 14:14	11/11/2023 23:40	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	11/11/2023 14:14	11/11/2023 23:40	T
Toluene	0.66 U	ug/L	1.0	0.66	1	11/11/2023 14:14	11/11/2023 23:40	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	11/11/2023 14:14	11/11/2023 23:40	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	11/11/2023 14:14	11/11/2023 23:40	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	11/11/2023 14:14	11/11/2023 23:40	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	11/11/2023 14:14	11/11/2023 23:40	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	11/11/2023 14:14	11/11/2023 23:40	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	11/11/2023 14:14	11/11/2023 23:40	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	11/11/2023 14:14	11/11/2023 23:40	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	11/11/2023 14:14	11/11/2023 23:40	T
WET CHEMISTRY (EPA 300.0)								
Chloride	**150**	mg/L	5.0	0.12	1	10/31/2023 22:55	10/31/2023 22:55	F
Nitrate (as N)	0.023 U	mg/L	0.50	0.023	1	10/31/2023 22:55	10/31/2023 22:55	F
Sulfate	**1.9 I**	mg/L	5.0	0.076	1	10/31/2023 22:55	10/31/2023 22:55	F
WET CHEMISTRY (EPA 350.1)								
Ammonia (N)	**1.3**	mg/L	0.10	0.050	1	11/15/2023 16:43	11/15/2023 16:43	M
WET CHEMISTRY (SM 2540 C)								
Total Dissolved Solids	**680**	mg/L	10	10	1	11/02/2023 13:10	11/02/2023 13:10	F

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Analysis Results Comments

13C2-8:2FTS

J1|Surrogate Failure

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Nonatricontane-C39 (S)	ug/L	560	510	91	40 - 129	T
o-Terphenyl (S)	ug/L	190	170	92	66 - 139	T
Decachlorobiphenyl (S)	ug/L	0.50	0.27	54	48 - 137	J
Tetrachloro-m-xylene (S)	ug/L	1	0.55	55	44 - 124	J
2,4,6-Tribromophenol (S)	ug/L	50	42	84	48 - 147	J
Phenol-d6 (S)	ug/L	50	13	26	24 - 120	J
2-Fluorobiphenyl (S)	ug/L	50	28	57	42 - 138	J
2-Fluorophenol (S)	ug/L	50	20	39	31 - 134	J
Nitrobenzene-d5 (S)	ug/L	50	31	61	38 - 139	J
p-Terphenyl-d14 (S)	ug/L	50	42	83	61 - 154	J
Decachlorobiphenyl (S)	ug/L	0.50	0.27	54	44 - 136	J^
Tetrachloro-m-xylene (S)	ug/L	1	0.55	**55**	61 - 119	J^
2,4-Dichlorophenylacetic acid (S)	ug/L	100	110	108	41 - 122	J^
13C2-4:2FTS (S)	ng/L	200	280	141	50 - 150	J
13C2-6:2FTS (S)	ng/L	200	300	149	50 - 150	J
13C2-8:2FTS (S)	ng/L	200	300	**152**	50 - 150	J
13C2-PFDOA (S)	ng/L	79	83	105	50 - 150	J
13C3-HFPO-DA (S)	ng/L	79	90	114	50 - 150	J
13C3-PFBS (S)	ng/L	79	120	150	50 - 150	J
13C3-PFHXS (S)	ng/L	79	100	128	50 - 150	J

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
13C4-PFBA (S)	ng/L	79	94	118	50 - 150	J
13C4-PFHPA (S)	ng/L	79	110	134	50 - 150	J
13C5-PFHXA (S)	ng/L	79	97	122	50 - 150	J
13C5-PFPEA (S)	ng/L	79	95	120	50 - 150	J
13C6-PFDA (S)	ng/L	79	98	123	50 - 150	J
13C7-PFUNA (S)	ng/L	79	95	120	50 - 150	J
13C8-PFOA (S)	ng/L	79	97	122	50 - 150	J
13C8-PFOS (S)	ng/L	79	100	129	50 - 150	J
13C9-PFNA (S)	ng/L	79	110	135	50 - 150	J
Tributylphosphate (S)	ug/L	1	0.55	55	48.50 - 121	J
1,2-Dichloroethane-d4 (S)	ug/L	50	56	112	70 - 128	T
Toluene-d8 (S)	ug/L	50	52	105	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	57	114	86 - 123	T

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128002 **Date Collected:** 10/31/2023 14:51 **Matrix:** Water
Sample ID: MW-2 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(AEL SOP-041/LCMSMS)								
ADONA	20 U	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 10:14	J
11Cl-PF3OUdS	20 U	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 10:14	J
9Cl-PF3ONS	20 U	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 10:14	J
4:2 FTS	20 U	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 10:14	J
6:2 FTS	20 U	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 10:14	J
8:2 FTS	20 U	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 10:14	J
HFPO-DA	20 U	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 10:14	J
NFDHA	20 U	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 10:14	J
PFBS	**41 I**	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 10:14	J
PFBA	**93**	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 10:14	J
PFDA	20 U	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 10:14	J
PFDoA	20 U	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 10:14	J
PFHpS	20 U	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 10:14	J
PFHpA	**51 I**	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 10:14	J
PFHxS	**100**	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 10:14	J
PFHxA	**200**	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 10:14	J
PFMBA	20 U	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 10:14	J
PFMPA	20 U	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 10:14	J
PFNA	20 U	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 10:14	J
PFOS	20 U	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 10:14	J
PFOA	**79 I**	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 10:14	J
PFPeS	20 U	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 10:14	J
PFPeA	**130**	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 10:14	J
PFUnA	20 U	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 10:14	J
PFEESA	20 U	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 10:14	J
METALS (SW-846 3010A/SW-846 6010)								

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128002 **Date Collected:** 10/31/2023 14:51 **Matrix:** Water
Sample ID: MW-2 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Arsenic	8.0 U	ug/L	10	8.0	1	11/17/2023 12:00	11/21/2023 10:07	T
Barium	**0.050**	mg/L	0.010	0.0030	1	11/17/2023 12:00	11/21/2023 10:07	T
Cadmium	1.0 U	ug/L	2.0	1.0	1	11/17/2023 12:00	11/21/2023 10:07	T
Calcium	**150**	mg/L	1.0	0.20	1	11/17/2023 12:00	11/21/2023 10:07	T
Chromium	5.0 U	ug/L	10	5.0	1	11/17/2023 12:00	11/21/2023 10:07	T
Iron	**7.7**	mg/L	0.10	0.0067	1	11/17/2023 12:00	11/21/2023 10:07	T
Lead	3.0 U	ug/L	10	3.0	1	11/17/2023 12:00	11/21/2023 10:07	T
Manganese	**0.065**	mg/L	0.010	0.0050	1	11/17/2023 12:00	11/21/2023 10:07	T
Potassium	**11**	mg/L	1.0	0.50	1	11/17/2023 12:00	11/21/2023 10:07	T
Selenium	0.020 U	mg/L	0.10	0.020	1	11/17/2023 12:00	11/21/2023 10:07	T
Silver	0.0080 U	mg/L	0.010	0.0080	1	11/17/2023 12:00	11/21/2023 10:07	T
Sodium	**130**	mg/L	1.0	0.80	1	11/17/2023 12:00	11/21/2023 10:07	T
Zinc	0.050 U	mg/L	0.10	0.050	1	11/17/2023 12:00	11/21/2023 10:07	T
METALS (SW-846 7470A)								
Mercury	0.011 U	ug/L	0.10	0.011	1	11/09/2023 10:30	11/14/2023 17:04	T
SEMIVOLATILES (8151/EPA 8151)								
2,4,5-T	2.0 U	ug/L	8.0	2.0	1	11/06/2023 07:00	11/09/2023 15:11	J
2,4-D	2.0 U	ug/L	8.0	2.0	1	11/06/2023 07:00	11/09/2023 15:11	J
2,4-DB	2.0 U	ug/L	8.0	2.0	1	11/06/2023 07:00	11/09/2023 15:11	J
Dalapon	8.0 U	ug/L	32	8.0	1	11/06/2023 07:00	11/09/2023 15:11	J
Dicamba	1.0 U	ug/L	4.0	1.0	1	11/06/2023 07:00	11/09/2023 15:11	J
Dichloroprop	2.0 U	ug/L	8.0	2.0	1	11/06/2023 07:00	11/09/2023 15:11	J
Dinoseb	0.70 U	ug/L	2.8	0.70	1	11/06/2023 07:00	11/09/2023 15:11	J
Pentachlorophenol	0.30 U	ug/L	1.0	0.30	1	11/06/2023 07:00	11/09/2023 15:11	J
Silvex (2,4,5-TP)	1.0 U	ug/L	4.0	1.0	1	11/06/2023 07:00	11/09/2023 15:11	J
SEMIVOLATILES (FL-PRO)								
TPH	0.53 U	mg/L	0.63	0.53	1	11/06/2023 13:00	11/07/2023 19:51	T
SEMIVOLATILES (SW-846 3510C/EPA 8081)								

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128002 **Date Collected:** 10/31/2023 14:51 **Matrix:** Water
Sample ID: MW-2 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
4,4`-DDD	0.0016 U	ug/L	0.020	0.0016	1	11/06/2023 16:00	11/08/2023 23:19	J
4,4`-DDE	0.0037 U	ug/L	0.020	0.0037	1	11/06/2023 16:00	11/08/2023 23:19	J
4,4`-DDT	0.0021 U	ug/L	0.020	0.0021	1	11/06/2023 16:00	11/08/2023 23:19	J
Aldrin	0.0019 U	ug/L	0.020	0.0019	1	11/06/2023 16:00	11/08/2023 23:19	J
Chlordane (technical)	0.053 U	ug/L	0.20	0.053	1	11/06/2023 16:00	11/08/2023 23:19	J
Dieldrin	0.0011 U	ug/L	0.020	0.0011	1	11/06/2023 16:00	11/08/2023 23:19	J
Endosulfan I	0.0031 U	ug/L	0.020	0.0031	1	11/06/2023 16:00	11/08/2023 23:19	J
Endosulfan II	0.0026 U	ug/L	0.020	0.0026	1	11/06/2023 16:00	11/08/2023 23:19	J
Endosulfan Sulfate	0.0032 U	ug/L	0.020	0.0032	1	11/06/2023 16:00	11/08/2023 23:19	J
Endrin	0.0017 U	ug/L	0.020	0.0017	1	11/06/2023 16:00	11/08/2023 23:19	J
Endrin Aldehyde	0.0025 U	ug/L	0.020	0.0025	1	11/06/2023 16:00	11/08/2023 23:19	J
Heptachlor	0.0035 U	ug/L	0.020	0.0035	1	11/06/2023 16:00	11/08/2023 23:19	J
Heptachlor Epoxide	0.0017 U	ug/L	0.020	0.0017	1	11/06/2023 16:00	11/08/2023 23:19	J
Methoxychlor	0.0058 U	ug/L	0.020	0.0058	1	11/06/2023 16:00	11/08/2023 23:19	J
Toxaphene	0.12 U	ug/L	0.20	0.12	1	11/06/2023 16:00	11/08/2023 23:19	J
alpha-BHC	0.0030 U	ug/L	0.020	0.0030	1	11/06/2023 16:00	11/08/2023 23:19	J
beta-BHC	0.0019 U	ug/L	0.020	0.0019	1	11/06/2023 16:00	11/08/2023 23:19	J
delta-BHC	0.00086 U	ug/L	0.020	0.00086	1	11/06/2023 16:00	11/08/2023 23:19	J
gamma-BHC (Lindane)	0.0018 U	ug/L	0.020	0.0018	1	11/06/2023 16:00	11/08/2023 23:19	J
SEMIVOLATILES (SW-846 3510C/EPA 8141)								
Atrazine	0.071 U	ug/L	0.20	0.071	1	11/06/2023 16:00	11/09/2023 20:17	J
Azinphos-methyl	0.057 U	ug/L	0.20	0.057	1	11/06/2023 16:00	11/09/2023 20:17	J
Chlorpyrifos	0.041 U	ug/L	0.20	0.041	1	11/06/2023 16:00	11/09/2023 20:17	J
Chlorpyrifos-methyl	0.060 U	ug/L	0.20	0.060	1	11/06/2023 16:00	11/09/2023 20:17	J
Demeton	0.060 U	ug/L	0.20	0.060	1	11/06/2023 16:00	11/09/2023 20:17	J
Diazinon	0.055 U	ug/L	0.20	0.055	1	11/06/2023 16:00	11/09/2023 20:17	J
Dimethoate	0.054 U	ug/L	0.20	0.054	1	11/06/2023 16:00	11/09/2023 20:17	J

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128002 **Date Collected:** 10/31/2023 14:51 **Matrix:** Water
Sample ID: MW-2 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Disulfoton	0.041 U	ug/L	0.20	0.041	1	11/06/2023 16:00	11/09/2023 20:17	J
Ethion	0.069 U	ug/L	0.20	0.069	1	11/06/2023 16:00	11/09/2023 20:17	J
Ethoprop	0.047 U	ug/L	0.20	0.047	1	11/06/2023 16:00	11/09/2023 20:17	J
Famphur	0.11 U	ug/L	0.20	0.11	1	11/06/2023 16:00	11/09/2023 20:17	J
Fensulfothion	0.047 U	ug/L	0.20	0.047	1	11/06/2023 16:00	11/09/2023 20:17	J
Fonophos	0.050 U	ug/L	0.20	0.050	1	11/06/2023 16:00	11/09/2023 20:17	J
Malathion	0.073 U	ug/L	0.20	0.073	1	11/06/2023 16:00	11/09/2023 20:17	J
Merphos	0.057 U	ug/L	0.20	0.057	1	11/06/2023 16:00	11/09/2023 20:17	J
Methyl Parathion	0.054 U	ug/L	0.20	0.054	1	11/06/2023 16:00	11/09/2023 20:17	J
Mevinphos	0.055 U	ug/L	0.20	0.055	1	11/06/2023 16:00	11/09/2023 20:17	J
Parathion (Ethyl)	0.064 U	ug/L	0.20	0.064	1	11/06/2023 16:00	11/09/2023 20:17	J
Phorate	0.044 U	ug/L	0.20	0.044	1	11/06/2023 16:00	11/09/2023 20:17	J
Phosmet	0.076 U	ug/L	0.20	0.076	1	11/06/2023 16:00	11/09/2023 20:17	J
Ronnel	0.048 U	ug/L	0.20	0.048	1	11/06/2023 16:00	11/09/2023 20:17	J
Simazine	0.072 U	ug/L	0.20	0.072	1	11/06/2023 16:00	11/09/2023 20:17	J
SEMIVOLATILES (SW-846 3510C/SW-846 8082A)								
Aroclor 1016 (PCB-1016)	0.12 U	ug/L	0.50	0.12	1	11/06/2023 16:00	11/08/2023 23:19	J
Aroclor 1221 (PCB-1221)	0.12 U	ug/L	0.50	0.12	1	11/06/2023 16:00	11/08/2023 23:19	J
Aroclor 1232 (PCB-1232)	0.12 U	ug/L	0.50	0.12	1	11/06/2023 16:00	11/08/2023 23:19	J
Aroclor 1242 (PCB-1242)	0.12 U	ug/L	0.50	0.12	1	11/06/2023 16:00	11/08/2023 23:19	J
Aroclor 1248 (PCB-1248)	0.12 U	ug/L	0.50	0.12	1	11/06/2023 16:00	11/08/2023 23:19	J
Aroclor 1254 (PCB-1254)	0.12 U	ug/L	0.50	0.12	1	11/06/2023 16:00	11/08/2023 23:19	J
Aroclor 1260 (PCB-1260)	0.12 U	ug/L	0.50	0.12	1	11/06/2023 16:00	11/08/2023 23:19	J
SEMIVOLATILES (SW-846 3510C/SW-846 8270C)								
1,2,4-Trichlorobenzene	0.69 U	ug/L	5.0	0.69	1	11/06/2023 07:00	11/10/2023 18:15	J
1,2-Dichlorobenzene	1.4 U	ug/L	5.0	1.4	1	11/06/2023 07:00	11/10/2023 18:15	J
1,2-Diphenylhydrazine	0.96 U	ug/L	5.0	0.96	1	11/06/2023 07:00	11/10/2023 18:15	J

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128002 **Date Collected:** 10/31/2023 14:51 **Matrix:** Water
Sample ID: MW-2 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,3-Dichlorobenzene	1.0 U	ug/L	5.0	1.0	1	11/06/2023 07:00	11/10/2023 18:15	J
1,4-Dichlorobenzene	2.0 U	ug/L	5.0	2.0	1	11/06/2023 07:00	11/10/2023 18:15	J
1-Methylnaphthalene	0.050 U	ug/L	5.0	0.050	1	11/06/2023 07:00	11/10/2023 18:15	J
2,4,6-Trichlorophenol	1.4 U	ug/L	5.0	1.4	1	11/06/2023 07:00	11/10/2023 18:15	J
2,4-Dichlorophenol	0.90 U	ug/L	5.0	0.90	1	11/06/2023 07:00	11/10/2023 18:15	J
2,4-Dimethylphenol	2.6 U	ug/L	5.0	2.6	1	11/06/2023 07:00	11/10/2023 18:15	J
2,4-Dinitrophenol	1.1 U	ug/L	10	1.1	1	11/06/2023 07:00	11/10/2023 18:15	J
2,4-Dinitrotoluene (2,4-DNT)	1.8 U	ug/L	5.0	1.8	1	11/06/2023 07:00	11/10/2023 18:15	J
2,6-Dinitrotoluene (2,6-DNT)	2.0 U	ug/L	5.0	2.0	1	11/06/2023 07:00	11/10/2023 18:15	J
2-Chloronaphthalene	1.7 U	ug/L	5.0	1.7	1	11/06/2023 07:00	11/10/2023 18:15	J
2-Chlorophenol	1.5 U	ug/L	5.0	1.5	1	11/06/2023 07:00	11/10/2023 18:15	J
2-Methyl-4,6-dinitrophenol	1.2 U	ug/L	10	1.2	1	11/06/2023 07:00	11/10/2023 18:15	J
2-Methylnaphthalene	0.049 U	ug/L	5.0	0.049	1	11/06/2023 07:00	11/10/2023 18:15	J
2-Nitrophenol	0.63 U	ug/L	5.0	0.63	1	11/06/2023 07:00	11/10/2023 18:15	J
3,3`-Dichlorobenzidine	1.3 U	ug/L	5.0	1.3	1	11/06/2023 07:00	11/10/2023 18:15	J
4-Bromophenyl Phenyl Ether	1.1 U	ug/L	5.0	1.1	1	11/06/2023 07:00	11/10/2023 18:15	J
4-Chloro-3-methylphenol	0.63 U	ug/L	5.0	0.63	1	11/06/2023 07:00	11/10/2023 18:15	J
4-Chlorophenyl Phenyl Ether	1.6 U	ug/L	5.0	1.6	1	11/06/2023 07:00	11/10/2023 18:15	J
4-Nitrophenol	2.9 U	ug/L	10	2.9	1	11/06/2023 07:00	11/10/2023 18:15	J
Acenaphthene	0.040 U	ug/L	5.0	0.040	1	11/06/2023 07:00	11/10/2023 18:15	J
Acenaphthylene	0.042 U	ug/L	5.0	0.042	1	11/06/2023 07:00	11/10/2023 18:15	J
Anthracene	0.035 U	ug/L	5.0	0.035	1	11/06/2023 07:00	11/10/2023 18:15	J
Benzidine	1.2 U	ug/L	5.0	1.2	1	11/06/2023 07:00	11/10/2023 18:15	J
Benzo[a]anthracene	0.012 U	ug/L	5.0	0.012	1	11/06/2023 07:00	11/10/2023 18:15	J
Benzo[a]pyrene	0.037 U	ug/L	5.0	0.037	1	11/06/2023 07:00	11/10/2023 18:15	J
Benzo[b]fluoranthene	0.012 U	ug/L	5.0	0.012	1	11/06/2023 07:00	11/10/2023 18:15	J
Benzo[g,h,i]perylene	0.048 U	ug/L	5.0	0.048	1	11/06/2023 07:00	11/10/2023 18:15	J

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128002 **Date Collected:** 10/31/2023 14:51 **Matrix:** Water
Sample ID: MW-2 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[k]fluoranthene	0.048 U	ug/L	5.0	0.048	1	11/06/2023 07:00	11/10/2023 18:15	J
Butyl benzyl phthalate	1.1 U	ug/L	5.0	1.1	1	11/06/2023 07:00	11/10/2023 18:15	J
Chrysene	0.033 U	ug/L	5.0	0.033	1	11/06/2023 07:00	11/10/2023 18:15	J
Di-n-Butyl Phthalate	0.88 U	ug/L	5.0	0.88	1	11/06/2023 07:00	11/10/2023 18:15	J
Di-n-octyl Phthalate	1.2 U	ug/L	5.0	1.2	1	11/06/2023 07:00	11/10/2023 18:15	J
Dibenzo[a,h]anthracene	0.024 U	ug/L	5.0	0.024	1	11/06/2023 07:00	11/10/2023 18:15	J
Diethyl phthalate	2.1 U	ug/L	5.0	2.1	1	11/06/2023 07:00	11/10/2023 18:15	J
Dimethyl phthalate	1.8 U	ug/L	5.0	1.8	1	11/06/2023 07:00	11/10/2023 18:15	J
Fluoranthene	0.037 U	ug/L	5.0	0.037	1	11/06/2023 07:00	11/10/2023 18:15	J
Fluorene	0.038 U	ug/L	5.0	0.038	1	11/06/2023 07:00	11/10/2023 18:15	J
Hexachlorobenzene	0.99 U	ug/L	5.0	0.99	1	11/06/2023 07:00	11/10/2023 18:15	J
Hexachlorobutadiene	1.3 U	ug/L	5.0	1.3	1	11/06/2023 07:00	11/10/2023 18:15	J
Hexachlorocyclopentadiene	1.0 U	ug/L	5.0	1.0	1	11/06/2023 07:00	11/10/2023 18:15	J
Hexachloroethane	1.2 U	ug/L	5.0	1.2	1	11/06/2023 07:00	11/10/2023 18:15	J
Indeno(1,2,3-cd)pyrene	0.011 U	ug/L	5.0	0.011	1	11/06/2023 07:00	11/10/2023 18:15	J
Isophorone	1.1 U	ug/L	5.0	1.1	1	11/06/2023 07:00	11/10/2023 18:15	J
N-Nitrosodi-n-propylamine	2.2 U	ug/L	5.0	2.2	1	11/06/2023 07:00	11/10/2023 18:15	J
N-Nitrosodimethylamine	0.93 U	ug/L	5.0	0.93	1	11/06/2023 07:00	11/10/2023 18:15	J
N-Nitrosodiphenylamine	2.1 U	ug/L	10	2.1	1	11/06/2023 07:00	11/10/2023 18:15	J
Naphthalene	0.048 U	ug/L	5.0	0.048	1	11/06/2023 07:00	11/10/2023 18:15	J
Nitrobenzene	1.1 U	ug/L	5.0	1.1	1	11/06/2023 07:00	11/10/2023 18:15	J
Pentachlorophenol	0.95 U	ug/L	5.0	0.95	1	11/06/2023 07:00	11/10/2023 18:15	J
Phenanthrene	0.040 U	ug/L	5.0	0.040	1	11/06/2023 07:00	11/10/2023 18:15	J
Phenol	0.54 U	ug/L	5.0	0.54	1	11/06/2023 07:00	11/10/2023 18:15	J
Pyrene	0.036 U	ug/L	5.0	0.036	1	11/06/2023 07:00	11/10/2023 18:15	J
bis(2-Chloroethoxy)methane	1.2 U	ug/L	5.0	1.2	1	11/06/2023 07:00	11/10/2023 18:15	J
bis(2-Chloroethyl)Ether	1.5 U	ug/L	5.0	1.5	1	11/06/2023 07:00	11/10/2023 18:15	J

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128002 **Date Collected:** 10/31/2023 14:51 **Matrix:** Water
Sample ID: MW-2 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
bis(2-Chloroisopropyl) Ether	1.4 U	ug/L	5.0	1.4	1	11/06/2023 07:00	11/10/2023 18:15	J
bis(2-Ethylhexyl) phthalate	2.0 U	ug/L	5.0	2.0	1	11/06/2023 07:00	11/10/2023 18:15	J
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	11/11/2023 14:14	11/11/2023 23:15	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	11/11/2023 14:14	11/11/2023 23:15	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	11/11/2023 14:14	11/11/2023 23:15	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	11/11/2023 14:14	11/11/2023 23:15	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	11/11/2023 14:14	11/11/2023 23:15	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	11/11/2023 14:14	11/11/2023 23:15	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	11/11/2023 14:14	11/11/2023 23:15	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	11/11/2023 14:14	11/11/2023 23:15	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	11/11/2023 14:14	11/11/2023 23:15	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	11/11/2023 14:14	11/11/2023 23:15	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	11/11/2023 14:14	11/11/2023 23:15	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	11/11/2023 14:14	11/11/2023 23:15	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	11/11/2023 14:14	11/11/2023 23:15	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	11/11/2023 14:14	11/11/2023 23:15	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	11/11/2023 14:14	11/11/2023 23:15	T
Benzene	0.28 U	ug/L	1.0	0.28	1	11/11/2023 14:14	11/11/2023 23:15	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	11/11/2023 14:14	11/11/2023 23:15	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	11/11/2023 14:14	11/11/2023 23:15	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	11/11/2023 14:14	11/11/2023 23:15	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	11/11/2023 14:14	11/11/2023 23:15	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	11/11/2023 14:14	11/11/2023 23:15	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	11/11/2023 14:14	11/11/2023 23:15	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	11/11/2023 14:14	11/11/2023 23:15	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	11/11/2023 14:14	11/11/2023 23:15	T

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128002 **Date Collected:** 10/31/2023 14:51 **Matrix:** Water
Sample ID: MW-2 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	11/11/2023 14:14	11/11/2023 23:15	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	11/11/2023 14:14	11/11/2023 23:15	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	11/11/2023 14:14	11/11/2023 23:15	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	11/11/2023 14:14	11/11/2023 23:15	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	11/11/2023 14:14	11/11/2023 23:15	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	11/11/2023 14:14	11/11/2023 23:15	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	11/11/2023 14:14	11/11/2023 23:15	T
Toluene	0.66 U	ug/L	1.0	0.66	1	11/11/2023 14:14	11/11/2023 23:15	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	11/11/2023 14:14	11/11/2023 23:15	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	11/11/2023 14:14	11/11/2023 23:15	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	11/11/2023 14:14	11/11/2023 23:15	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	11/11/2023 14:14	11/11/2023 23:15	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	11/11/2023 14:14	11/11/2023 23:15	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	11/11/2023 14:14	11/11/2023 23:15	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	11/11/2023 14:14	11/11/2023 23:15	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	11/11/2023 14:14	11/11/2023 23:15	T
WET CHEMISTRY (EPA 300.0)								
Chloride	**310**	mg/L	25	0.59	5	10/31/2023 23:09	10/31/2023 23:09	F
Nitrate (as N)	0.12 U	mg/L	2.5	0.12	5	10/31/2023 23:09	10/31/2023 23:09	F
Sulfate	**0.48 I**	mg/L	25	0.38	5	10/31/2023 23:09	10/31/2023 23:09	F
WET CHEMISTRY (EPA 350.1)								
Ammonia (N)	**0.41**	mg/L	0.10	0.050	1	11/15/2023 16:43	11/15/2023 16:43	M
WET CHEMISTRY (SM 2540 C)								
Total Dissolved Solids	**960**	mg/L	10	10	1	11/02/2023 13:10	11/02/2023 13:10	F

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Nonatricontane-C39 (S)	ug/L	560	510	92	40 - 129	T
o-Terphenyl (S)	ug/L	190	160	89	66 - 139	T
Decachlorobiphenyl (S)	ug/L	0.50	0.30	60	48 - 137	J
Tetrachloro-m-xylene (S)	ug/L	1	0.64	64	44 - 124	J
2,4,6-Tribromophenol (S)	ug/L	50	40	79	48 - 147	J
Phenol-d6 (S)	ug/L	50	16	31	24 - 120	J
2-Fluorobiphenyl (S)	ug/L	50	27	55	42 - 138	J
2-Fluorophenol (S)	ug/L	50	22	44	31 - 134	J
Nitrobenzene-d5 (S)	ug/L	50	31	61	38 - 139	J
p-Terphenyl-d14 (S)	ug/L	50	34	69	61 - 154	J
Decachlorobiphenyl (S)	ug/L	0.50	0.30	60	44 - 136	J^
Tetrachloro-m-xylene (S)	ug/L	1	0.64	64	61 - 119	J^
2,4-Dichlorophenylacetic acid (S)	ug/L	100	110	113	41 - 122	J^
13C2-4:2FTS (S)	ng/L	200	250	127	50 - 150	J
13C2-6:2FTS (S)	ng/L	200	290	148	50 - 150	J
13C2-8:2FTS (S)	ng/L	200	230	113	50 - 150	J
13C2-PFDOA (S)	ng/L	80	77	96	50 - 150	J
13C3-HFPO-DA (S)	ng/L	80	84	106	50 - 150	J
13C3-PFBS (S)	ng/L	80	110	138	50 - 150	J
13C3-PFHXS (S)	ng/L	80	100	128	50 - 150	J

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
13C4-PFBA (S)	ng/L	80	96	120	50 - 150	J
13C4-PFHPA (S)	ng/L	80	100	131	50 - 150	J
13C5-PFHXA (S)	ng/L	80	92	115	50 - 150	J
13C5-PFPEA (S)	ng/L	80	96	120	50 - 150	J
13C6-PFDA (S)	ng/L	80	96	120	50 - 150	J
13C7-PFUNA (S)	ng/L	80	86	108	50 - 150	J
13C8-PFOA (S)	ng/L	80	100	125	50 - 150	J
13C8-PFOS (S)	ng/L	80	100	126	50 - 150	J
13C9-PFNA (S)	ng/L	80	94	118	50 - 150	J
Tributylphosphate (S)	ug/L	1	0.59	59	48.50 - 121	J
1,2-Dichloroethane-d4 (S)	ug/L	50	54	108	70 - 128	T
Toluene-d8 (S)	ug/L	50	52	104	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	55	110	86 - 123	T

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128003 **Date Collected:** 10/31/2023 10:05 **Matrix:** Water
Sample ID: MW-3 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(AEL SOP-041/LCMSMS)								
ADONA	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 10:43	J
11Cl-PF3OUdS	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 10:43	J
9Cl-PF3ONS	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 10:43	J
4:2 FTS	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 10:43	J
6:2 FTS	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 10:43	J
8:2 FTS	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 10:43	J
HFPO-DA	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 10:43	J
NFDHA	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 10:43	J
PFBS	**48 I**	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 10:43	J
PFBA	**210**	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 10:43	J
PFDA	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 10:43	J
PFDoA	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 10:43	J
PFHpS	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 10:43	J
PFHpA	**97**	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 10:43	J
PFHxS	**170**	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 10:43	J
PFHxA	**290**	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 10:43	J
PFMBA	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 10:43	J
PFMPA	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 10:43	J
PFNA	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 10:43	J
PFOS	**55 I**	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 10:43	J
PFOA	**190**	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 10:43	J
PFPeS	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 10:43	J
PFPeA	**200**	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 10:43	J
PFUnA	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 10:43	J
PFEESA	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 10:43	J
METALS (SW-846 3010A/SW-846 6010)								

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128003 **Date Collected:** 10/31/2023 10:05 **Matrix:** Water
Sample ID: MW-3 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Arsenic	8.0 U	ug/L	10	8.0	1	11/17/2023 12:00	11/21/2023 10:10	T
Barium	**0.28**	mg/L	0.010	0.0030	1	11/17/2023 12:00	11/21/2023 10:10	T
Cadmium	1.0 U	ug/L	2.0	1.0	1	11/17/2023 12:00	11/21/2023 10:10	T
Calcium	**280**	mg/L	1.0	0.20	1	11/17/2023 12:00	11/21/2023 10:10	T
Chromium	5.0 U	ug/L	10	5.0	1	11/17/2023 12:00	11/21/2023 10:10	T
Iron	**19**	mg/L	0.10	0.0067	1	11/17/2023 12:00	11/21/2023 10:10	T
Lead	3.0 U	ug/L	10	3.0	1	11/17/2023 12:00	11/21/2023 10:10	T
Manganese	**0.13**	mg/L	0.010	0.0050	1	11/17/2023 12:00	11/21/2023 10:10	T
Potassium	**33**	mg/L	1.0	0.50	1	11/17/2023 12:00	11/21/2023 10:10	T
Selenium	0.020 U	mg/L	0.10	0.020	1	11/17/2023 12:00	11/21/2023 10:10	T
Silver	0.0080 U	mg/L	0.010	0.0080	1	11/17/2023 12:00	11/21/2023 10:10	T
Sodium	**320**	mg/L	1.0	0.80	1	11/17/2023 12:00	11/21/2023 10:10	T
Zinc	0.050 U	mg/L	0.10	0.050	1	11/17/2023 12:00	11/21/2023 10:10	T
METALS (SW-846 7470A)								
Mercury	**0.060 I**	ug/L	0.10	0.011	1	11/09/2023 10:30	11/14/2023 17:07	T
SEMIVOLATILES (8151/EPA 8151)								
2,4,5-T	2.0 U	ug/L	8.0	2.0	1	11/06/2023 07:00	11/09/2023 15:45	J
2,4-D	2.0 U	ug/L	8.0	2.0	1	11/06/2023 07:00	11/09/2023 15:45	J
2,4-DB	2.0 U	ug/L	8.0	2.0	1	11/06/2023 07:00	11/09/2023 15:45	J
Dalapon	8.0 U	ug/L	32	8.0	1	11/06/2023 07:00	11/09/2023 15:45	J
Dicamba	1.0 U	ug/L	4.0	1.0	1	11/06/2023 07:00	11/09/2023 15:45	J
Dichloroprop	2.0 U	ug/L	8.0	2.0	1	11/06/2023 07:00	11/09/2023 15:45	J
Dinoseb	0.70 U	ug/L	2.8	0.70	1	11/06/2023 07:00	11/09/2023 15:45	J
Pentachlorophenol	0.30 U	ug/L	1.0	0.30	1	11/06/2023 07:00	11/09/2023 15:45	J
Silvex (2,4,5-TP)	1.0 U	ug/L	4.0	1.0	1	11/06/2023 07:00	11/09/2023 15:45	J
SEMIVOLATILES (FL-PRO)								
TPH	**1.4**	mg/L	0.63	0.53	1	11/06/2023 13:00	11/07/2023 20:18	T
SEMIVOLATILES (SW-846 3510C/EPA 8081)								

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128003 **Date Collected:** 10/31/2023 10:05 **Matrix:** Water
Sample ID: MW-3 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
4,4`-DDD	0.0016 U	ug/L	0.020	0.0016	1	11/06/2023 16:00	11/08/2023 23:39	J
4,4`-DDE	0.0037 U	ug/L	0.020	0.0037	1	11/06/2023 16:00	11/08/2023 23:39	J
4,4`-DDT	0.0021 U	ug/L	0.020	0.0021	1	11/06/2023 16:00	11/08/2023 23:39	J
Aldrin	0.0019 U	ug/L	0.020	0.0019	1	11/06/2023 16:00	11/08/2023 23:39	J
Chlordane (technical)	0.053 U	ug/L	0.20	0.053	1	11/06/2023 16:00	11/08/2023 23:39	J
Dieldrin	0.0011 U	ug/L	0.020	0.0011	1	11/06/2023 16:00	11/08/2023 23:39	J
Endosulfan I	0.0031 U	ug/L	0.020	0.0031	1	11/06/2023 16:00	11/08/2023 23:39	J
Endosulfan II	0.0026 U	ug/L	0.020	0.0026	1	11/06/2023 16:00	11/08/2023 23:39	J
Endosulfan Sulfate	0.0032 U	ug/L	0.020	0.0032	1	11/06/2023 16:00	11/08/2023 23:39	J
Endrin	0.0017 U	ug/L	0.020	0.0017	1	11/06/2023 16:00	11/08/2023 23:39	J
Endrin Aldehyde	0.0025 U	ug/L	0.020	0.0025	1	11/06/2023 16:00	11/08/2023 23:39	J
Heptachlor	0.0035 U	ug/L	0.020	0.0035	1	11/06/2023 16:00	11/08/2023 23:39	J
Heptachlor Epoxide	0.0017 U	ug/L	0.020	0.0017	1	11/06/2023 16:00	11/08/2023 23:39	J
Methoxychlor	0.0058 U	ug/L	0.020	0.0058	1	11/06/2023 16:00	11/08/2023 23:39	J
Toxaphene	0.12 U	ug/L	0.20	0.12	1	11/06/2023 16:00	11/08/2023 23:39	J
alpha-BHC	0.0030 U	ug/L	0.020	0.0030	1	11/06/2023 16:00	11/08/2023 23:39	J
beta-BHC	0.0019 U	ug/L	0.020	0.0019	1	11/06/2023 16:00	11/08/2023 23:39	J
delta-BHC	0.00086 U	ug/L	0.020	0.00086	1	11/06/2023 16:00	11/08/2023 23:39	J
gamma-BHC (Lindane)	0.0018 U	ug/L	0.020	0.0018	1	11/06/2023 16:00	11/08/2023 23:39	J
SEMIVOLATILES (SW-846 3510C/EPA 8141)								
Atrazine	0.071 U	ug/L	0.20	0.071	1	11/06/2023 16:00	11/09/2023 20:47	J
Azinphos-methyl	0.057 U	ug/L	0.20	0.057	1	11/06/2023 16:00	11/09/2023 20:47	J
Chlorpyrifos	0.041 U	ug/L	0.20	0.041	1	11/06/2023 16:00	11/09/2023 20:47	J
Chlorpyrifos-methyl	0.060 U	ug/L	0.20	0.060	1	11/06/2023 16:00	11/09/2023 20:47	J
Demeton	0.060 U	ug/L	0.20	0.060	1	11/06/2023 16:00	11/09/2023 20:47	J
Diazinon	0.055 U	ug/L	0.20	0.055	1	11/06/2023 16:00	11/09/2023 20:47	J
Dimethoate	0.054 U	ug/L	0.20	0.054	1	11/06/2023 16:00	11/09/2023 20:47	J

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128003 **Date Collected:** 10/31/2023 10:05 **Matrix:** Water
Sample ID: MW-3 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Disulfoton	0.041 U	ug/L	0.20	0.041	1	11/06/2023 16:00	11/09/2023 20:47	J
Ethion	0.069 U	ug/L	0.20	0.069	1	11/06/2023 16:00	11/09/2023 20:47	J
Ethoprop	0.047 U	ug/L	0.20	0.047	1	11/06/2023 16:00	11/09/2023 20:47	J
Famphur	0.11 U	ug/L	0.20	0.11	1	11/06/2023 16:00	11/09/2023 20:47	J
Fensulfothion	0.047 U	ug/L	0.20	0.047	1	11/06/2023 16:00	11/09/2023 20:47	J
Fonophos	0.050 U	ug/L	0.20	0.050	1	11/06/2023 16:00	11/09/2023 20:47	J
Malathion	0.073 U	ug/L	0.20	0.073	1	11/06/2023 16:00	11/09/2023 20:47	J
Merphos	0.057 U	ug/L	0.20	0.057	1	11/06/2023 16:00	11/09/2023 20:47	J
Methyl Parathion	0.054 U	ug/L	0.20	0.054	1	11/06/2023 16:00	11/09/2023 20:47	J
Mevinphos	0.055 U	ug/L	0.20	0.055	1	11/06/2023 16:00	11/09/2023 20:47	J
Parathion (Ethyl)	0.064 U	ug/L	0.20	0.064	1	11/06/2023 16:00	11/09/2023 20:47	J
Phorate	0.044 U	ug/L	0.20	0.044	1	11/06/2023 16:00	11/09/2023 20:47	J
Phosmet	0.076 U	ug/L	0.20	0.076	1	11/06/2023 16:00	11/09/2023 20:47	J
Ronnel	0.048 U	ug/L	0.20	0.048	1	11/06/2023 16:00	11/09/2023 20:47	J
Simazine	0.072 U	ug/L	0.20	0.072	1	11/06/2023 16:00	11/09/2023 20:47	J
SEMIVOLATILES (SW-846 3510C/SW-846 8082A)								
Aroclor 1016 (PCB-1016)	0.12 U	ug/L	0.50	0.12	1	11/06/2023 16:00	11/08/2023 23:39	J
Aroclor 1221 (PCB-1221)	0.12 U	ug/L	0.50	0.12	1	11/06/2023 16:00	11/08/2023 23:39	J
Aroclor 1232 (PCB-1232)	0.12 U	ug/L	0.50	0.12	1	11/06/2023 16:00	11/08/2023 23:39	J
Aroclor 1242 (PCB-1242)	0.12 U	ug/L	0.50	0.12	1	11/06/2023 16:00	11/08/2023 23:39	J
Aroclor 1248 (PCB-1248)	0.12 U	ug/L	0.50	0.12	1	11/06/2023 16:00	11/08/2023 23:39	J
Aroclor 1254 (PCB-1254)	0.12 U	ug/L	0.50	0.12	1	11/06/2023 16:00	11/08/2023 23:39	J
Aroclor 1260 (PCB-1260)	0.12 U	ug/L	0.50	0.12	1	11/06/2023 16:00	11/08/2023 23:39	J
SEMIVOLATILES (SW-846 3510C/SW-846 8270C)								
1,2,4-Trichlorobenzene	0.70 U	ug/L	5.1	0.70	1	11/06/2023 07:00	11/10/2023 18:52	J
1,2-Dichlorobenzene	1.4 U	ug/L	5.1	1.4	1	11/06/2023 07:00	11/10/2023 18:52	J
1,2-Diphenylhydrazine	0.97 U	ug/L	5.1	0.97	1	11/06/2023 07:00	11/10/2023 18:52	J

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128003 **Date Collected:** 10/31/2023 10:05 **Matrix:** Water
Sample ID: MW-3 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,3-Dichlorobenzene	1.0 U	ug/L	5.1	1.0	1	11/06/2023 07:00	11/10/2023 18:52	J
1,4-Dichlorobenzene	2.0 U	ug/L	5.1	2.0	1	11/06/2023 07:00	11/10/2023 18:52	J
1-Methylnaphthalene	0.050 U	ug/L	5.1	0.050	1	11/06/2023 07:00	11/10/2023 18:52	J
2,4,6-Trichlorophenol	1.4 U	ug/L	5.1	1.4	1	11/06/2023 07:00	11/10/2023 18:52	J
2,4-Dichlorophenol	0.91 U	ug/L	5.1	0.91	1	11/06/2023 07:00	11/10/2023 18:52	J
2,4-Dimethylphenol	2.6 U	ug/L	5.1	2.6	1	11/06/2023 07:00	11/10/2023 18:52	J
2,4-Dinitrophenol	1.1 U	ug/L	10	1.1	1	11/06/2023 07:00	11/10/2023 18:52	J
2,4-Dinitrotoluene (2,4-DNT)	1.9 U	ug/L	5.1	1.9	1	11/06/2023 07:00	11/10/2023 18:52	J
2,6-Dinitrotoluene (2,6-DNT)	2.0 U	ug/L	5.1	2.0	1	11/06/2023 07:00	11/10/2023 18:52	J
2-Chloronaphthalene	1.7 U	ug/L	5.1	1.7	1	11/06/2023 07:00	11/10/2023 18:52	J
2-Chlorophenol	1.5 U	ug/L	5.1	1.5	1	11/06/2023 07:00	11/10/2023 18:52	J
2-Methyl-4,6-dinitrophenol	1.2 U	ug/L	10	1.2	1	11/06/2023 07:00	11/10/2023 18:52	J
2-Methylnaphthalene	0.049 U	ug/L	5.1	0.049	1	11/06/2023 07:00	11/10/2023 18:52	J
2-Nitrophenol	0.64 U	ug/L	5.1	0.64	1	11/06/2023 07:00	11/10/2023 18:52	J
3,3`-Dichlorobenzidine	1.3 U	ug/L	5.1	1.3	1	11/06/2023 07:00	11/10/2023 18:52	J
4-Bromophenyl Phenyl Ether	1.1 U	ug/L	5.1	1.1	1	11/06/2023 07:00	11/10/2023 18:52	J
4-Chloro-3-methylphenol	0.64 U	ug/L	5.1	0.64	1	11/06/2023 07:00	11/10/2023 18:52	J
4-Chlorophenyl Phenyl Ether	1.7 U	ug/L	5.1	1.7	1	11/06/2023 07:00	11/10/2023 18:52	J
4-Nitrophenol	2.9 U	ug/L	10	2.9	1	11/06/2023 07:00	11/10/2023 18:52	J
Acenaphthene	0.040 U	ug/L	5.1	0.040	1	11/06/2023 07:00	11/10/2023 18:52	J
Acenaphthylene	0.042 U	ug/L	5.1	0.042	1	11/06/2023 07:00	11/10/2023 18:52	J
Anthracene	**0.085 I**	ug/L	5.1	0.036	1	11/06/2023 07:00	11/10/2023 18:52	J
Benzidine	1.2 U	ug/L	5.1	1.2	1	11/06/2023 07:00	11/10/2023 18:52	J
Benzo[a]anthracene	**0.043 I**	ug/L	5.1	0.012	1	11/06/2023 07:00	11/10/2023 18:52	J
Benzo[a]pyrene	**0.13 I**	ug/L	5.1	0.037	1	11/06/2023 07:00	11/10/2023 18:52	J
Benzo[b]fluoranthene	**0.12 I**	ug/L	5.1	0.013	1	11/06/2023 07:00	11/10/2023 18:52	J
Benzo[g,h,i]perylene	**0.11 I**	ug/L	5.1	0.048	1	11/06/2023 07:00	11/10/2023 18:52	J

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128003 **Date Collected:** 10/31/2023 10:05 **Matrix:** Water
Sample ID: MW-3 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[k]fluoranthene	**0.13 I**	ug/L	5.1	0.049	1	11/06/2023 07:00	11/10/2023 18:52	J
Butyl benzyl phthalate	1.1 U	ug/L	5.1	1.1	1	11/06/2023 07:00	11/10/2023 18:52	J
Chrysene	**0.077 I**	ug/L	5.1	0.033	1	11/06/2023 07:00	11/10/2023 18:52	J
Di-n-Butyl Phthalate	0.89 U	ug/L	5.1	0.89	1	11/06/2023 07:00	11/10/2023 18:52	J
Di-n-octyl Phthalate	1.2 U	ug/L	5.1	1.2	1	11/06/2023 07:00	11/10/2023 18:52	J
Dibenzo[a,h]anthracene	**0.12 I**	ug/L	5.1	0.024	1	11/06/2023 07:00	11/10/2023 18:52	J
Diethyl phthalate	2.1 U	ug/L	5.1	2.1	1	11/06/2023 07:00	11/10/2023 18:52	J
Dimethyl phthalate	1.8 U	ug/L	5.1	1.8	1	11/06/2023 07:00	11/10/2023 18:52	J
Fluoranthene	0.037 U	ug/L	5.1	0.037	1	11/06/2023 07:00	11/10/2023 18:52	J
Fluorene	0.039 U	ug/L	5.1	0.039	1	11/06/2023 07:00	11/10/2023 18:52	J
Hexachlorobenzene	1.0 U	ug/L	5.1	1.0	1	11/06/2023 07:00	11/10/2023 18:52	J
Hexachlorobutadiene	1.3 U	ug/L	5.1	1.3	1	11/06/2023 07:00	11/10/2023 18:52	J
Hexachlorocyclopentadiene	1.1 U	ug/L	5.1	1.1	1	11/06/2023 07:00	11/10/2023 18:52	J
Hexachloroethane	1.3 U	ug/L	5.1	1.3	1	11/06/2023 07:00	11/10/2023 18:52	J
Indeno(1,2,3-cd)pyrene	**0.11 I**	ug/L	0.20	0.011	1	11/06/2023 07:00	11/17/2023 18:06	J
Isophorone	1.1 U	ug/L	5.1	1.1	1	11/06/2023 07:00	11/10/2023 18:52	J
N-Nitrosodi-n-propylamine	2.3 U	ug/L	5.1	2.3	1	11/06/2023 07:00	11/10/2023 18:52	J
N-Nitrosodimethylamine	0.94 U	ug/L	5.1	0.94	1	11/06/2023 07:00	11/10/2023 18:52	J
N-Nitrosodiphenylamine	2.1 U	ug/L	10	2.1	1	11/06/2023 07:00	11/10/2023 18:52	J
Naphthalene	0.048 U	ug/L	5.1	0.048	1	11/06/2023 07:00	11/10/2023 18:52	J
Nitrobenzene	1.2 U	ug/L	5.1	1.2	1	11/06/2023 07:00	11/10/2023 18:52	J
Pentachlorophenol	0.96 U	ug/L	5.1	0.96	1	11/06/2023 07:00	11/10/2023 18:52	J
Phenanthrene	0.040 U	ug/L	5.1	0.040	1	11/06/2023 07:00	11/10/2023 18:52	J
Phenol	0.55 U	ug/L	5.1	0.55	1	11/06/2023 07:00	11/10/2023 18:52	J
Pyrene	**0.048 I**	ug/L	5.1	0.036	1	11/06/2023 07:00	11/10/2023 18:52	J
bis(2-Chloroethoxy)methane	1.2 U	ug/L	5.1	1.2	1	11/06/2023 07:00	11/10/2023 18:52	J
bis(2-Chloroethyl)Ether	1.5 U	ug/L	5.1	1.5	1	11/06/2023 07:00	11/10/2023 18:52	J

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128003 **Date Collected:** 10/31/2023 10:05 **Matrix:** Water
Sample ID: MW-3 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
bis(2-Chloroisopropyl) Ether	1.4 U	ug/L	5.1	1.4	1	11/06/2023 07:00	11/10/2023 18:52	J
bis(2-Ethylhexyl) phthalate	2.0 U	ug/L	5.1	2.0	1	11/06/2023 07:00	11/10/2023 18:52	J
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	11/11/2023 14:14	11/12/2023 00:06	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	11/11/2023 14:14	11/12/2023 00:06	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	11/11/2023 14:14	11/12/2023 00:06	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	11/11/2023 14:14	11/12/2023 00:06	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	11/11/2023 14:14	11/12/2023 00:06	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	11/11/2023 14:14	11/12/2023 00:06	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	11/11/2023 14:14	11/12/2023 00:06	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	11/11/2023 14:14	11/12/2023 00:06	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	11/11/2023 14:14	11/12/2023 00:06	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	11/11/2023 14:14	11/12/2023 00:06	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	11/11/2023 14:14	11/12/2023 00:06	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	11/11/2023 14:14	11/12/2023 00:06	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	11/11/2023 14:14	11/12/2023 00:06	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	11/11/2023 14:14	11/12/2023 00:06	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	11/11/2023 14:14	11/12/2023 00:06	T
Benzene	0.28 U	ug/L	1.0	0.28	1	11/11/2023 14:14	11/12/2023 00:06	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	11/11/2023 14:14	11/12/2023 00:06	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	11/11/2023 14:14	11/12/2023 00:06	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	11/11/2023 14:14	11/12/2023 00:06	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	11/11/2023 14:14	11/12/2023 00:06	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	11/11/2023 14:14	11/12/2023 00:06	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	11/11/2023 14:14	11/12/2023 00:06	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	11/11/2023 14:14	11/12/2023 00:06	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	11/11/2023 14:14	11/12/2023 00:06	T

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128003 **Date Collected:** 10/31/2023 10:05 **Matrix:** Water
Sample ID: MW-3 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	11/11/2023 14:14	11/12/2023 00:06	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	11/11/2023 14:14	11/12/2023 00:06	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	11/11/2023 14:14	11/12/2023 00:06	T
Isopropylbenzene	**0.95 I**	ug/L	1.0	0.42	1	11/11/2023 14:14	11/12/2023 00:06	T
Methyl tert-butyl Ether (MTBE)	**1.1**	ug/L	1.0	0.71	1	11/11/2023 14:14	11/12/2023 00:06	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	11/11/2023 14:14	11/12/2023 00:06	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	11/11/2023 14:14	11/12/2023 00:06	T
Toluene	0.66 U	ug/L	1.0	0.66	1	11/11/2023 14:14	11/12/2023 00:06	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	11/11/2023 14:14	11/12/2023 00:06	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	11/11/2023 14:14	11/12/2023 00:06	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	11/11/2023 14:14	11/12/2023 00:06	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	11/11/2023 14:14	11/12/2023 00:06	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	11/11/2023 14:14	11/12/2023 00:06	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	11/11/2023 14:14	11/12/2023 00:06	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	11/11/2023 14:14	11/12/2023 00:06	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	11/11/2023 14:14	11/12/2023 00:06	T
WET CHEMISTRY (EPA 300.0)								
Chloride	**680**	mg/L	25	0.59	5	10/31/2023 23:22	10/31/2023 23:22	F
Nitrate (as N)	0.12 U	mg/L	2.5	0.12	5	10/31/2023 23:22	10/31/2023 23:22	F
Sulfate	**0.81 I**	mg/L	25	0.38	5	10/31/2023 23:22	10/31/2023 23:22	F
WET CHEMISTRY (EPA 350.1)								
Ammonia (N)	**5.7**	mg/L	0.20	0.10	2	11/15/2023 16:43	11/15/2023 16:43	M
WET CHEMISTRY (SM 2540 C)								
Total Dissolved Solids	**1800**	mg/L	10	10	1	11/02/2023 13:10	11/02/2023 13:10	F

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Analysis Results Comments

13C2-4:2FTS

J1|Surrogate Failure

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Nonatricontane-C39 (S)	ug/L	560	570	103	40 - 129	T
o-Terphenyl (S)	ug/L	190	190	103	66 - 139	T
Decachlorobiphenyl (S)	ug/L	0.50	0.27	54	48 - 137	J
Tetrachloro-m-xylene (S)	ug/L	1	0.56	56	44 - 124	J
2,4,6-Tribromophenol (S)	ug/L	51	59	117	48 - 147	J
Phenol-d6 (S)	ug/L	51	21	41	24 - 120	J
2-Fluorobiphenyl (S)	ug/L	51	39	77	42 - 138	J
2-Fluorophenol (S)	ug/L	51	27	53	31 - 134	J
Nitrobenzene-d5 (S)	ug/L	51	44	87	38 - 139	J
p-Terphenyl-d14 (S)	ug/L	51	43	86	61 - 154	J
Decachlorobiphenyl (S)	ug/L	0.50	0.27	54	44 - 136	J^
Tetrachloro-m-xylene (S)	ug/L	1	0.56	**56**	61 - 119	J^
2,4-Dichlorophenylacetic acid (S)	ug/L	100	120	117	41 - 122	J^
13C2-4:2FTS (S)	ng/L	200	310	**158**	50 - 150	J
13C2-6:2FTS (S)	ng/L	200	250	127	50 - 150	J
13C2-8:2FTS (S)	ng/L	200	220	111	50 - 150	J
13C2-PFDOA (S)	ng/L	79	74	93.70	50 - 150	J
13C3-HFPO-DA (S)	ng/L	79	93	117	50 - 150	J
13C3-PFBS (S)	ng/L	79	110	137	50 - 150	J
13C3-PFHXS (S)	ng/L	79	110	141	50 - 150	J

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
13C4-PFBA (S)	ng/L	79	73	91.90	50 - 150	J
13C4-PFHPA (S)	ng/L	79	100	127	50 - 150	J
13C5-PFHXA (S)	ng/L	79	97	122	50 - 150	J
13C5-PFPEA (S)	ng/L	79	79	99.40	50 - 150	J
13C6-PFDA (S)	ng/L	79	95	120	50 - 150	J
13C7-PFUNA (S)	ng/L	79	90	113	50 - 150	J
13C8-PFOA (S)	ng/L	79	99	125	50 - 150	J
13C8-PFOS (S)	ng/L	79	100	127	50 - 150	J
13C9-PFNA (S)	ng/L	79	100	127	50 - 150	J
Tributylphosphate (S)	ug/L	1	0.80	80	48.50 - 121	J
1,2-Dichloroethane-d4 (S)	ug/L	50	57	113	70 - 128	T
Toluene-d8 (S)	ug/L	50	50	101	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	58	117	86 - 123	T

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128004 **Date Collected:** 10/31/2023 03:23 **Matrix:** Water
Sample ID: MW-4 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(AEL SOP-041/LCMSMS)								
ADONA	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 11:13	J
11Cl-PF3OUdS	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 11:13	J
9Cl-PF3ONS	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 11:13	J
4:2 FTS	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 11:13	J
6:2 FTS	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 11:13	J
8:2 FTS	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 11:13	J
HFPO-DA	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 11:13	J
NFDHA	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 11:13	J
PFBS	**68 I**	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 11:13	J
PFBA	**77 I**	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 11:13	J
PFDA	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 11:13	J
PFDoA	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 11:13	J
PFHpS	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 11:13	J
PFHpA	**75 I**	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 11:13	J
PFHxS	**58 I**	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 11:13	J
PFHxA	**140**	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 11:13	J
PFMBA	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 11:13	J
PFMPA	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 11:13	J
PFNA	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 11:13	J
PFOS	**60 I**	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 11:13	J
PFOA	**150**	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 11:13	J
PFPeS	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 11:13	J
PFPeA	**140**	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 11:13	J
PFUnA	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 11:13	J
PFEESA	20 U	ng/L	79	20	10	11/21/2023 07:30	12/12/2023 11:13	J
METALS (SW-846 3010A/SW-846 6010)								

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128004 **Date Collected:** 10/31/2023 03:23 **Matrix:** Water
Sample ID: MW-4 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Arsenic	8.0 U	ug/L	10	8.0	1	11/17/2023 12:00	11/21/2023 10:12	T
Barium	**0.17**	mg/L	0.010	0.0030	1	11/17/2023 12:00	11/21/2023 10:12	T
Cadmium	1.0 U	ug/L	2.0	1.0	1	11/17/2023 12:00	11/21/2023 10:12	T
Calcium	**190**	mg/L	1.0	0.20	1	11/17/2023 12:00	11/21/2023 10:12	T
Chromium	5.0 U	ug/L	10	5.0	1	11/17/2023 12:00	11/21/2023 10:12	T
Iron	**5.8**	mg/L	0.10	0.0067	1	11/17/2023 12:00	11/21/2023 10:12	T
Lead	**3.2 I**	ug/L	10	3.0	1	11/17/2023 12:00	11/21/2023 10:12	T
Manganese	**0.065**	mg/L	0.010	0.0050	1	11/17/2023 12:00	11/21/2023 10:12	T
Potassium	**50**	mg/L	1.0	0.50	1	11/17/2023 12:00	11/21/2023 10:12	T
Selenium	0.020 U	mg/L	0.10	0.020	1	11/17/2023 12:00	11/21/2023 10:12	T
Silver	0.0080 U	mg/L	0.010	0.0080	1	11/17/2023 12:00	11/21/2023 10:12	T
Sodium	**160**	mg/L	1.0	0.80	1	11/17/2023 12:00	11/21/2023 10:12	T
Zinc	0.050 U	mg/L	0.10	0.050	1	11/17/2023 12:00	11/21/2023 10:12	T
METALS (SW-846 7470A)								
Mercury	0.011 U	ug/L	0.10	0.011	1	11/09/2023 10:30	11/14/2023 17:10	T
SEMIVOLATILES (8151/EPA 8151)								
2,4,5-T	2.0 U	ug/L	8.0	2.0	1	11/06/2023 07:00	11/09/2023 16:18	J
2,4-D	2.0 U	ug/L	8.0	2.0	1	11/06/2023 07:00	11/09/2023 16:18	J
2,4-DB	2.0 U	ug/L	8.0	2.0	1	11/06/2023 07:00	11/09/2023 16:18	J
Dalapon	8.0 U	ug/L	32	8.0	1	11/06/2023 07:00	11/09/2023 16:18	J
Dicamba	1.0 U	ug/L	4.0	1.0	1	11/06/2023 07:00	11/09/2023 16:18	J
Dichloroprop	2.0 U	ug/L	8.0	2.0	1	11/06/2023 07:00	11/09/2023 16:18	J
Dinoseb	0.70 U	ug/L	2.8	0.70	1	11/06/2023 07:00	11/09/2023 16:18	J
Pentachlorophenol	0.30 U	ug/L	1.0	0.30	1	11/06/2023 07:00	11/09/2023 16:18	J
Silvex (2,4,5-TP)	1.0 U	ug/L	4.0	1.0	1	11/06/2023 07:00	11/09/2023 16:18	J
SEMIVOLATILES (FL-PRO)								
TPH	0.52 U	mg/L	0.62	0.52	1	11/06/2023 13:00	11/07/2023 20:48	T
SEMIVOLATILES (SW-846 3510C/EPA 8081)								

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128004 **Date Collected:** 10/31/2023 03:23 **Matrix:** Water
Sample ID: MW-4 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
4,4`-DDD	0.0016 U	ug/L	0.020	0.0016	1	11/06/2023 16:00	11/09/2023 00:00	J
4,4`-DDE	0.0037 U	ug/L	0.020	0.0037	1	11/06/2023 16:00	11/09/2023 00:00	J
4,4`-DDT	0.0021 U	ug/L	0.020	0.0021	1	11/06/2023 16:00	11/09/2023 00:00	J
Aldrin	0.0019 U	ug/L	0.020	0.0019	1	11/06/2023 16:00	11/09/2023 00:00	J
Chlordane (technical)	0.053 U	ug/L	0.20	0.053	1	11/06/2023 16:00	11/09/2023 00:00	J
Dieldrin	0.0011 U	ug/L	0.020	0.0011	1	11/06/2023 16:00	11/09/2023 00:00	J
Endosulfan I	0.0031 U	ug/L	0.020	0.0031	1	11/06/2023 16:00	11/09/2023 00:00	J
Endosulfan II	0.0026 U	ug/L	0.020	0.0026	1	11/06/2023 16:00	11/09/2023 00:00	J
Endosulfan Sulfate	0.0032 U	ug/L	0.020	0.0032	1	11/06/2023 16:00	11/09/2023 00:00	J
Endrin	0.0017 U	ug/L	0.020	0.0017	1	11/06/2023 16:00	11/09/2023 00:00	J
Endrin Aldehyde	0.0025 U	ug/L	0.020	0.0025	1	11/06/2023 16:00	11/09/2023 00:00	J
Heptachlor	0.0035 U	ug/L	0.020	0.0035	1	11/06/2023 16:00	11/09/2023 00:00	J
Heptachlor Epoxide	0.0017 U	ug/L	0.020	0.0017	1	11/06/2023 16:00	11/09/2023 00:00	J
Methoxychlor	0.0058 U	ug/L	0.020	0.0058	1	11/06/2023 16:00	11/09/2023 00:00	J
Toxaphene	0.12 U	ug/L	0.20	0.12	1	11/06/2023 16:00	11/09/2023 00:00	J
alpha-BHC	0.0030 U	ug/L	0.020	0.0030	1	11/06/2023 16:00	11/09/2023 00:00	J
beta-BHC	0.0019 U	ug/L	0.020	0.0019	1	11/06/2023 16:00	11/09/2023 00:00	J
delta-BHC	0.00086 U	ug/L	0.020	0.00086	1	11/06/2023 16:00	11/09/2023 00:00	J
gamma-BHC (Lindane)	0.0018 U	ug/L	0.020	0.0018	1	11/06/2023 16:00	11/09/2023 00:00	J
SEMIVOLATILES (SW-846 3510C/EPA 8141)								
Atrazine	0.071 U	ug/L	0.20	0.071	1	11/06/2023 16:00	11/09/2023 21:18	J
Azinphos-methyl	0.057 U	ug/L	0.20	0.057	1	11/06/2023 16:00	11/09/2023 21:18	J
Chlorpyrifos	0.041 U	ug/L	0.20	0.041	1	11/06/2023 16:00	11/09/2023 21:18	J
Chlorpyrifos-methyl	0.060 U	ug/L	0.20	0.060	1	11/06/2023 16:00	11/09/2023 21:18	J
Demeton	0.060 U	ug/L	0.20	0.060	1	11/06/2023 16:00	11/09/2023 21:18	J
Diazinon	0.055 U	ug/L	0.20	0.055	1	11/06/2023 16:00	11/09/2023 21:18	J
Dimethoate	0.054 U	ug/L	0.20	0.054	1	11/06/2023 16:00	11/09/2023 21:18	J

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128004 **Date Collected:** 10/31/2023 03:23 **Matrix:** Water
Sample ID: MW-4 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Disulfoton	0.041 U	ug/L	0.20	0.041	1	11/06/2023 16:00	11/09/2023 21:18	J
Ethion	0.069 U	ug/L	0.20	0.069	1	11/06/2023 16:00	11/09/2023 21:18	J
Ethoprop	0.047 U	ug/L	0.20	0.047	1	11/06/2023 16:00	11/09/2023 21:18	J
Famphur	0.11 U	ug/L	0.20	0.11	1	11/06/2023 16:00	11/09/2023 21:18	J
Fensulfothion	0.047 U	ug/L	0.20	0.047	1	11/06/2023 16:00	11/09/2023 21:18	J
Fonophos	0.050 U	ug/L	0.20	0.050	1	11/06/2023 16:00	11/09/2023 21:18	J
Malathion	0.073 U	ug/L	0.20	0.073	1	11/06/2023 16:00	11/09/2023 21:18	J
Merphos	0.057 U	ug/L	0.20	0.057	1	11/06/2023 16:00	11/09/2023 21:18	J
Methyl Parathion	0.054 U	ug/L	0.20	0.054	1	11/06/2023 16:00	11/09/2023 21:18	J
Mevinphos	0.055 U	ug/L	0.20	0.055	1	11/06/2023 16:00	11/09/2023 21:18	J
Parathion (Ethyl)	0.064 U	ug/L	0.20	0.064	1	11/06/2023 16:00	11/09/2023 21:18	J
Phorate	0.044 U	ug/L	0.20	0.044	1	11/06/2023 16:00	11/09/2023 21:18	J
Phosmet	0.076 U	ug/L	0.20	0.076	1	11/06/2023 16:00	11/09/2023 21:18	J
Ronnel	0.048 U	ug/L	0.20	0.048	1	11/06/2023 16:00	11/09/2023 21:18	J
Simazine	0.072 U	ug/L	0.20	0.072	1	11/06/2023 16:00	11/09/2023 21:18	J
SEMIVOLATILES (SW-846 3510C/SW-846 8082A)								
Aroclor 1016 (PCB-1016)	0.12 U	ug/L	0.50	0.12	1	11/06/2023 16:00	11/09/2023 00:00	J
Aroclor 1221 (PCB-1221)	0.12 U	ug/L	0.50	0.12	1	11/06/2023 16:00	11/09/2023 00:00	J
Aroclor 1232 (PCB-1232)	0.12 U	ug/L	0.50	0.12	1	11/06/2023 16:00	11/09/2023 00:00	J
Aroclor 1242 (PCB-1242)	0.12 U	ug/L	0.50	0.12	1	11/06/2023 16:00	11/09/2023 00:00	J
Aroclor 1248 (PCB-1248)	0.12 U	ug/L	0.50	0.12	1	11/06/2023 16:00	11/09/2023 00:00	J
Aroclor 1254 (PCB-1254)	0.12 U	ug/L	0.50	0.12	1	11/06/2023 16:00	11/09/2023 00:00	J
Aroclor 1260 (PCB-1260)	0.12 U	ug/L	0.50	0.12	1	11/06/2023 16:00	11/09/2023 00:00	J
SEMIVOLATILES (SW-846 3510C/SW-846 8270C)								
1,2,4-Trichlorobenzene	0.69 U	ug/L	5.0	0.69	1	11/06/2023 07:00	11/10/2023 19:28	J
1,2-Dichlorobenzene	1.4 U	ug/L	5.0	1.4	1	11/06/2023 07:00	11/10/2023 19:28	J
1,2-Diphenylhydrazine	0.96 U	ug/L	5.0	0.96	1	11/06/2023 07:00	11/10/2023 19:28	J

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128004 **Date Collected:** 10/31/2023 03:23 **Matrix:** Water
Sample ID: MW-4 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,3-Dichlorobenzene	1.0 U	ug/L	5.0	1.0	1	11/06/2023 07:00	11/10/2023 19:28	J
1,4-Dichlorobenzene	2.0 U	ug/L	5.0	2.0	1	11/06/2023 07:00	11/10/2023 19:28	J
1-Methylnaphthalene	0.050 U	ug/L	5.0	0.050	1	11/06/2023 07:00	11/10/2023 19:28	J
2,4,6-Trichlorophenol	1.4 U	ug/L	5.0	1.4	1	11/06/2023 07:00	11/10/2023 19:28	J
2,4-Dichlorophenol	0.90 U	ug/L	5.0	0.90	1	11/06/2023 07:00	11/10/2023 19:28	J
2,4-Dimethylphenol	2.6 U	ug/L	5.0	2.6	1	11/06/2023 07:00	11/10/2023 19:28	J
2,4-Dinitrophenol	1.1 U	ug/L	10	1.1	1	11/06/2023 07:00	11/10/2023 19:28	J
2,4-Dinitrotoluene (2,4-DNT)	1.8 U	ug/L	5.0	1.8	1	11/06/2023 07:00	11/10/2023 19:28	J
2,6-Dinitrotoluene (2,6-DNT)	2.0 U	ug/L	5.0	2.0	1	11/06/2023 07:00	11/10/2023 19:28	J
2-Chloronaphthalene	1.7 U	ug/L	5.0	1.7	1	11/06/2023 07:00	11/10/2023 19:28	J
2-Chlorophenol	1.5 U	ug/L	5.0	1.5	1	11/06/2023 07:00	11/10/2023 19:28	J
2-Methyl-4,6-dinitrophenol	1.2 U	ug/L	10	1.2	1	11/06/2023 07:00	11/10/2023 19:28	J
2-Methylnaphthalene	0.049 U	ug/L	5.0	0.049	1	11/06/2023 07:00	11/10/2023 19:28	J
2-Nitrophenol	0.63 U	ug/L	5.0	0.63	1	11/06/2023 07:00	11/10/2023 19:28	J
3,3`-Dichlorobenzidine	1.3 U	ug/L	5.0	1.3	1	11/06/2023 07:00	11/10/2023 19:28	J
4-Bromophenyl Phenyl Ether	1.1 U	ug/L	5.0	1.1	1	11/06/2023 07:00	11/10/2023 19:28	J
4-Chloro-3-methylphenol	0.63 U	ug/L	5.0	0.63	1	11/06/2023 07:00	11/10/2023 19:28	J
4-Chlorophenyl Phenyl Ether	1.6 U	ug/L	5.0	1.6	1	11/06/2023 07:00	11/10/2023 19:28	J
4-Nitrophenol	2.9 U	ug/L	10	2.9	1	11/06/2023 07:00	11/10/2023 19:28	J
Acenaphthene	0.040 U	ug/L	5.0	0.040	1	11/06/2023 07:00	11/10/2023 19:28	J
Acenaphthylene	0.042 U	ug/L	5.0	0.042	1	11/06/2023 07:00	11/10/2023 19:28	J
Anthracene	0.035 U	ug/L	5.0	0.035	1	11/06/2023 07:00	11/10/2023 19:28	J
Benzidine	1.2 U	ug/L	5.0	1.2	1	11/06/2023 07:00	11/10/2023 19:28	J
Benzo[a]anthracene	0.012 U	ug/L	5.0	0.012	1	11/06/2023 07:00	11/10/2023 19:28	J
Benzo[a]pyrene	0.037 U	ug/L	5.0	0.037	1	11/06/2023 07:00	11/10/2023 19:28	J
Benzo[b]fluoranthene	0.012 U	ug/L	5.0	0.012	1	11/06/2023 07:00	11/10/2023 19:28	J
Benzo[g,h,i]perylene	0.048 U	ug/L	5.0	0.048	1	11/06/2023 07:00	11/10/2023 19:28	J

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128004 **Date Collected:** 10/31/2023 03:23 **Matrix:** Water
Sample ID: MW-4 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[k]fluoranthene	0.048 U	ug/L	5.0	0.048	1	11/06/2023 07:00	11/10/2023 19:28	J
Butyl benzyl phthalate	1.1 U	ug/L	5.0	1.1	1	11/06/2023 07:00	11/10/2023 19:28	J
Chrysene	0.033 U	ug/L	5.0	0.033	1	11/06/2023 07:00	11/10/2023 19:28	J
Di-n-Butyl Phthalate	0.88 U	ug/L	5.0	0.88	1	11/06/2023 07:00	11/10/2023 19:28	J
Di-n-octyl Phthalate	1.2 U	ug/L	5.0	1.2	1	11/06/2023 07:00	11/10/2023 19:28	J
Dibenzo[a,h]anthracene	0.024 U	ug/L	5.0	0.024	1	11/06/2023 07:00	11/10/2023 19:28	J
Diethyl phthalate	2.1 U	ug/L	5.0	2.1	1	11/06/2023 07:00	11/10/2023 19:28	J
Dimethyl phthalate	1.8 U	ug/L	5.0	1.8	1	11/06/2023 07:00	11/10/2023 19:28	J
Fluoranthene	0.037 U	ug/L	5.0	0.037	1	11/06/2023 07:00	11/10/2023 19:28	J
Fluorene	0.038 U	ug/L	5.0	0.038	1	11/06/2023 07:00	11/10/2023 19:28	J
Hexachlorobenzene	0.99 U	ug/L	5.0	0.99	1	11/06/2023 07:00	11/10/2023 19:28	J
Hexachlorobutadiene	1.3 U	ug/L	5.0	1.3	1	11/06/2023 07:00	11/10/2023 19:28	J
Hexachlorocyclopentadiene	1.0 U	ug/L	5.0	1.0	1	11/06/2023 07:00	11/10/2023 19:28	J
Hexachloroethane	1.2 U	ug/L	5.0	1.2	1	11/06/2023 07:00	11/10/2023 19:28	J
Indeno(1,2,3-cd)pyrene	0.011 U	ug/L	5.0	0.011	1	11/06/2023 07:00	11/10/2023 19:28	J
Isophorone	1.1 U	ug/L	5.0	1.1	1	11/06/2023 07:00	11/10/2023 19:28	J
N-Nitrosodi-n-propylamine	2.2 U	ug/L	5.0	2.2	1	11/06/2023 07:00	11/10/2023 19:28	J
N-Nitrosodimethylamine	0.93 U	ug/L	5.0	0.93	1	11/06/2023 07:00	11/10/2023 19:28	J
N-Nitrosodiphenylamine	2.1 U	ug/L	10	2.1	1	11/06/2023 07:00	11/10/2023 19:28	J
Naphthalene	0.048 U	ug/L	5.0	0.048	1	11/06/2023 07:00	11/10/2023 19:28	J
Nitrobenzene	1.1 U	ug/L	5.0	1.1	1	11/06/2023 07:00	11/10/2023 19:28	J
Pentachlorophenol	0.95 U	ug/L	5.0	0.95	1	11/06/2023 07:00	11/10/2023 19:28	J
Phenanthrene	0.040 U	ug/L	5.0	0.040	1	11/06/2023 07:00	11/10/2023 19:28	J
Phenol	0.54 U	ug/L	5.0	0.54	1	11/06/2023 07:00	11/10/2023 19:28	J
Pyrene	0.036 U	ug/L	5.0	0.036	1	11/06/2023 07:00	11/10/2023 19:28	J
bis(2-Chloroethoxy)methane	1.2 U	ug/L	5.0	1.2	1	11/06/2023 07:00	11/10/2023 19:28	J
bis(2-Chloroethyl)Ether	1.5 U	ug/L	5.0	1.5	1	11/06/2023 07:00	11/10/2023 19:28	J

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128004 **Date Collected:** 10/31/2023 03:23 **Matrix:** Water
Sample ID: MW-4 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
bis(2-Chloroisopropyl) Ether	1.4 U	ug/L	5.0	1.4	1	11/06/2023 07:00	11/10/2023 19:28	J
bis(2-Ethylhexyl) phthalate	2.0 U	ug/L	5.0	2.0	1	11/06/2023 07:00	11/10/2023 19:28	J
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	11/11/2023 03:07	11/11/2023 12:57	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	11/11/2023 03:07	11/11/2023 12:57	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	11/11/2023 03:07	11/11/2023 12:57	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	11/11/2023 03:07	11/11/2023 12:57	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	11/11/2023 03:07	11/11/2023 12:57	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	11/11/2023 03:07	11/11/2023 12:57	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	11/11/2023 03:07	11/11/2023 12:57	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	11/11/2023 03:07	11/11/2023 12:57	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	11/11/2023 03:07	11/11/2023 12:57	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	11/11/2023 03:07	11/11/2023 12:57	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	11/11/2023 03:07	11/11/2023 12:57	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	11/11/2023 03:07	11/11/2023 12:57	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	11/11/2023 03:07	11/11/2023 12:57	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	11/11/2023 03:07	11/11/2023 12:57	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	11/11/2023 03:07	11/11/2023 12:57	T
Benzene	0.28 U	ug/L	1.0	0.28	1	11/11/2023 03:07	11/11/2023 12:57	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	11/11/2023 03:07	11/11/2023 12:57	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	11/11/2023 03:07	11/11/2023 12:57	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	11/11/2023 03:07	11/11/2023 12:57	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	11/11/2023 03:07	11/11/2023 12:57	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	11/11/2023 03:07	11/11/2023 12:57	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	11/11/2023 03:07	11/11/2023 12:57	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	11/11/2023 03:07	11/11/2023 12:57	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	11/11/2023 03:07	11/11/2023 12:57	T

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128004 **Date Collected:** 10/31/2023 03:23 **Matrix:** Water
Sample ID: MW-4 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	11/11/2023 03:07	11/11/2023 12:57	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	11/11/2023 03:07	11/11/2023 12:57	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	11/11/2023 03:07	11/11/2023 12:57	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	11/11/2023 03:07	11/11/2023 12:57	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	11/11/2023 03:07	11/11/2023 12:57	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	11/11/2023 03:07	11/11/2023 12:57	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	11/11/2023 03:07	11/11/2023 12:57	T
Toluene	0.66 U	ug/L	1.0	0.66	1	11/11/2023 03:07	11/11/2023 12:57	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	11/11/2023 03:07	11/11/2023 12:57	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	11/11/2023 03:07	11/11/2023 12:57	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	11/11/2023 03:07	11/11/2023 12:57	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	11/11/2023 03:07	11/11/2023 12:57	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	11/11/2023 03:07	11/11/2023 12:57	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	11/11/2023 03:07	11/11/2023 12:57	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	11/11/2023 03:07	11/11/2023 12:57	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	11/11/2023 03:07	11/11/2023 12:57	T
WET CHEMISTRY (EPA 300.0)								
Chloride	**310**	mg/L	25	0.59	5	10/31/2023 23:35	10/31/2023 23:35	F
Nitrate (as N)	0.12 U	mg/L	2.5	0.12	5	10/31/2023 23:35	10/31/2023 23:35	F
Sulfate	**56**	mg/L	25	0.38	5	10/31/2023 23:35	10/31/2023 23:35	F
WET CHEMISTRY (EPA 350.1)								
Ammonia (N)	**7.2**	mg/L	0.10	0.050	1	11/15/2023 16:43	11/15/2023 16:43	M
WET CHEMISTRY (SM 2540 C)								
Total Dissolved Solids	**1100**	mg/L	10	10	1	11/02/2023 13:10	11/02/2023 13:10	F

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Nonatricontane-C39 (S)	ug/L	550	520	94	40 - 129	T
o-Terphenyl (S)	ug/L	180	170	93	66 - 139	T
Decachlorobiphenyl (S)	ug/L	0.50	0.36	73	48 - 137	J
Tetrachloro-m-xylene (S)	ug/L	1	0.71	71	44 - 124	J
2,4,6-Tribromophenol (S)	ug/L	50	53	105	48 - 147	J
Phenol-d6 (S)	ug/L	50	14	28	24 - 120	J
2-Fluorobiphenyl (S)	ug/L	50	33	65	42 - 138	J
2-Fluorophenol (S)	ug/L	50	19	38	31 - 134	J
Nitrobenzene-d5 (S)	ug/L	50	35	71	38 - 139	J
p-Terphenyl-d14 (S)	ug/L	50	44	89	61 - 154	J
Decachlorobiphenyl (S)	ug/L	0.50	0.36	73	44 - 136	J^
Tetrachloro-m-xylene (S)	ug/L	1	0.71	71	61 - 119	J^
2,4-Dichlorophenylacetic acid (S)	ug/L	100	110	114	41 - 122	J^
13C2-4:2FTS (S)	ng/L	200	260	132	50 - 150	J
13C2-6:2FTS (S)	ng/L	200	250	128	50 - 150	J
13C2-8:2FTS (S)	ng/L	200	260	131	50 - 150	J
13C2-PFDOA (S)	ng/L	79	79	100	50 - 150	J
13C3-HFPO-DA (S)	ng/L	79	94	119	50 - 150	J
13C3-PFBS (S)	ng/L	79	100	129	50 - 150	J
13C3-PFHXS (S)	ng/L	79	95	120	50 - 150	J

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
13C4-PFBA (S)	ng/L	79	94	119	50 - 150	J
13C4-PFHPA (S)	ng/L	79	100	132	50 - 150	J
13C5-PFHXA (S)	ng/L	79	97	123	50 - 150	J
13C5-PFPEA (S)	ng/L	79	92	117	50 - 150	J
13C6-PFDA (S)	ng/L	79	97	124	50 - 150	J
13C7-PFUNA (S)	ng/L	79	91	116	50 - 150	J
13C8-PFOA (S)	ng/L	79	100	127	50 - 150	J
13C8-PFOS (S)	ng/L	79	99	125	50 - 150	J
13C9-PFNA (S)	ng/L	79	100	129	50 - 150	J
Tributylphosphate (S)	ug/L	1	0.57	57	48.50 - 121	J
1,2-Dichloroethane-d4 (S)	ug/L	50	60	119	70 - 128	T
Toluene-d8 (S)	ug/L	50	54	108	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	60	119	86 - 123	T

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128005 **Date Collected:** 10/31/2023 12:07 **Matrix:** Water
Sample ID: MW-5 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(AEL SOP-041/LCMSMS)								
ADONA	20 U	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 11:43	J
11Cl-PF3OUdS	20 U	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 11:43	J
9Cl-PF3ONS	20 U	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 11:43	J
4:2 FTS	20 U	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 11:43	J
6:2 FTS	20 U	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 11:43	J
8:2 FTS	20 U	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 11:43	J
HFPO-DA	20 U	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 11:43	J
NFDHA	20 U	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 11:43	J
PFBS	20 U	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 11:43	J
PFBA	**44 I**	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 11:43	J
PFDA	20 U	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 11:43	J
PFDoA	20 U	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 11:43	J
PFHpS	20 U	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 11:43	J
PFHpA	20 U	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 11:43	J
PFHxS	20 U	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 11:43	J
PFHxA	**45 I**	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 11:43	J
PFMBA	20 U	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 11:43	J
PFMPA	20 U	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 11:43	J
PFNA	20 U	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 11:43	J
PFOS	20 U	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 11:43	J
PFOA	**52 I**	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 11:43	J
PFPeS	20 U	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 11:43	J
PFPeA	**45 I**	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 11:43	J
PFUnA	20 U	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 11:43	J
PFEESA	20 U	ng/L	80	20	10	11/21/2023 07:30	12/12/2023 11:43	J
METALS (SW-846 3010A/SW-846 6010)								

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128005 **Date Collected:** 10/31/2023 12:07 **Matrix:** Water
Sample ID: MW-5 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Arsenic	8.0 U	ug/L	10	8.0	1	11/17/2023 12:00	11/21/2023 10:14	T
Barium	**0.34**	mg/L	0.010	0.0030	1	11/17/2023 12:00	11/21/2023 10:14	T
Cadmium	1.0 U	ug/L	2.0	1.0	1	11/17/2023 12:00	11/21/2023 10:14	T
Calcium	**150**	mg/L	1.0	0.20	1	11/17/2023 12:00	11/21/2023 10:14	T
Chromium	**5.3 I**	ug/L	10	5.0	1	11/17/2023 12:00	11/21/2023 10:14	T
Iron	**15**	mg/L	0.10	0.0067	1	11/17/2023 12:00	11/21/2023 10:14	T
Lead	**4.2 I**	ug/L	10	3.0	1	11/17/2023 12:00	11/21/2023 10:14	T
Manganese	**0.062**	mg/L	0.010	0.0050	1	11/17/2023 12:00	11/21/2023 10:14	T
Potassium	**320**	mg/L	1.0	0.50	1	11/17/2023 12:00	11/21/2023 10:14	T
Selenium	0.020 U	mg/L	0.10	0.020	1	11/17/2023 12:00	11/21/2023 10:14	T
Silver	0.0080 U	mg/L	0.010	0.0080	1	11/17/2023 12:00	11/21/2023 10:14	T
Sodium	**130**	mg/L	1.0	0.80	1	11/17/2023 12:00	11/21/2023 10:14	T
Zinc	0.050 U	mg/L	0.10	0.050	1	11/17/2023 12:00	11/21/2023 10:14	T
METALS (SW-846 7470A)								
Mercury	**0.034 I**	ug/L	0.10	0.011	1	11/09/2023 10:30	11/14/2023 17:12	T
SEMIVOLATILES (8151/EPA 8151)								
2,4,5-T	2.0 U	ug/L	8.0	2.0	1	11/06/2023 07:00	11/09/2023 16:52	J
2,4-D	2.0 U	ug/L	8.0	2.0	1	11/06/2023 07:00	11/09/2023 16:52	J
2,4-DB	2.0 U	ug/L	8.0	2.0	1	11/06/2023 07:00	11/09/2023 16:52	J
Dalapon	8.0 U	ug/L	32	8.0	1	11/06/2023 07:00	11/09/2023 16:52	J
Dicamba	1.0 U	ug/L	4.0	1.0	1	11/06/2023 07:00	11/09/2023 16:52	J
Dichloroprop	2.0 U	ug/L	8.0	2.0	1	11/06/2023 07:00	11/09/2023 16:52	J
Dinoseb	0.70 U	ug/L	2.8	0.70	1	11/06/2023 07:00	11/09/2023 16:52	J
Pentachlorophenol	0.30 U	ug/L	1.0	0.30	1	11/06/2023 07:00	11/09/2023 16:52	J
Silvex (2,4,5-TP)	1.0 U	ug/L	4.0	1.0	1	11/06/2023 07:00	11/09/2023 16:52	J
SEMIVOLATILES (FL-PRO)								
TPH	**0.94**	mg/L	0.62	0.52	1	11/06/2023 13:00	11/07/2023 21:16	T
SEMIVOLATILES (SW-846 3510C/EPA 8081)								

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128005 **Date Collected:** 10/31/2023 12:07 **Matrix:** Water
Sample ID: MW-5 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
4,4`-DDD	0.0016 U	ug/L	0.020	0.0016	1	11/06/2023 16:00	11/09/2023 00:21	J
4,4`-DDE	0.0037 U	ug/L	0.020	0.0037	1	11/06/2023 16:00	11/09/2023 00:21	J
4,4`-DDT	0.0021 U	ug/L	0.020	0.0021	1	11/06/2023 16:00	11/09/2023 00:21	J
Aldrin	0.0019 U	ug/L	0.020	0.0019	1	11/06/2023 16:00	11/09/2023 00:21	J
Chlordane (technical)	0.053 U	ug/L	0.20	0.053	1	11/06/2023 16:00	11/09/2023 00:21	J
Dieldrin	0.0011 U	ug/L	0.020	0.0011	1	11/06/2023 16:00	11/09/2023 00:21	J
Endosulfan I	0.0031 U	ug/L	0.020	0.0031	1	11/06/2023 16:00	11/09/2023 00:21	J
Endosulfan II	0.0026 U	ug/L	0.020	0.0026	1	11/06/2023 16:00	11/09/2023 00:21	J
Endosulfan Sulfate	0.0032 U	ug/L	0.020	0.0032	1	11/06/2023 16:00	11/09/2023 00:21	J
Endrin	0.0017 U	ug/L	0.020	0.0017	1	11/06/2023 16:00	11/09/2023 00:21	J
Endrin Aldehyde	0.0025 U	ug/L	0.020	0.0025	1	11/06/2023 16:00	11/09/2023 00:21	J
Heptachlor	0.0035 U	ug/L	0.020	0.0035	1	11/06/2023 16:00	11/09/2023 00:21	J
Heptachlor Epoxide	0.0017 U	ug/L	0.020	0.0017	1	11/06/2023 16:00	11/09/2023 00:21	J
Methoxychlor	0.0058 U	ug/L	0.020	0.0058	1	11/06/2023 16:00	11/09/2023 00:21	J
Toxaphene	0.12 U	ug/L	0.20	0.12	1	11/06/2023 16:00	11/09/2023 00:21	J
alpha-BHC	0.0030 U	ug/L	0.020	0.0030	1	11/06/2023 16:00	11/09/2023 00:21	J
beta-BHC	0.0019 U	ug/L	0.020	0.0019	1	11/06/2023 16:00	11/09/2023 00:21	J
delta-BHC	0.00086 U	ug/L	0.020	0.00086	1	11/06/2023 16:00	11/09/2023 00:21	J
gamma-BHC (Lindane)	0.0018 U	ug/L	0.020	0.0018	1	11/06/2023 16:00	11/09/2023 00:21	J
SEMIVOLATILES (SW-846 3510C/EPA 8141)								
Atrazine	0.071 U	ug/L	0.20	0.071	1	11/06/2023 16:00	11/09/2023 21:48	J
Azinphos-methyl	0.057 U	ug/L	0.20	0.057	1	11/06/2023 16:00	11/09/2023 21:48	J
Chlorpyrifos	0.041 U	ug/L	0.20	0.041	1	11/06/2023 16:00	11/09/2023 21:48	J
Chlorpyrifos-methyl	0.060 U	ug/L	0.20	0.060	1	11/06/2023 16:00	11/09/2023 21:48	J
Demeton	0.060 U	ug/L	0.20	0.060	1	11/06/2023 16:00	11/09/2023 21:48	J
Diazinon	0.055 U	ug/L	0.20	0.055	1	11/06/2023 16:00	11/09/2023 21:48	J
Dimethoate	0.054 U	ug/L	0.20	0.054	1	11/06/2023 16:00	11/09/2023 21:48	J

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128005 **Date Collected:** 10/31/2023 12:07 **Matrix:** Water
Sample ID: MW-5 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Disulfoton	0.041 U	ug/L	0.20	0.041	1	11/06/2023 16:00	11/09/2023 21:48	J
Ethion	0.069 U	ug/L	0.20	0.069	1	11/06/2023 16:00	11/09/2023 21:48	J
Ethoprop	0.047 U	ug/L	0.20	0.047	1	11/06/2023 16:00	11/09/2023 21:48	J
Famphur	0.11 U	ug/L	0.20	0.11	1	11/06/2023 16:00	11/09/2023 21:48	J
Fensulfothion	0.047 U	ug/L	0.20	0.047	1	11/06/2023 16:00	11/09/2023 21:48	J
Fonophos	0.050 U	ug/L	0.20	0.050	1	11/06/2023 16:00	11/09/2023 21:48	J
Malathion	0.073 U	ug/L	0.20	0.073	1	11/06/2023 16:00	11/09/2023 21:48	J
Merphos	0.057 U	ug/L	0.20	0.057	1	11/06/2023 16:00	11/09/2023 21:48	J
Methyl Parathion	0.054 U	ug/L	0.20	0.054	1	11/06/2023 16:00	11/09/2023 21:48	J
Mevinphos	0.055 U	ug/L	0.20	0.055	1	11/06/2023 16:00	11/09/2023 21:48	J
Parathion (Ethyl)	0.064 U	ug/L	0.20	0.064	1	11/06/2023 16:00	11/09/2023 21:48	J
Phorate	0.044 U	ug/L	0.20	0.044	1	11/06/2023 16:00	11/09/2023 21:48	J
Phosmet	0.076 U	ug/L	0.20	0.076	1	11/06/2023 16:00	11/09/2023 21:48	J
Ronnel	0.048 U	ug/L	0.20	0.048	1	11/06/2023 16:00	11/09/2023 21:48	J
Simazine	0.072 U	ug/L	0.20	0.072	1	11/06/2023 16:00	11/09/2023 21:48	J
SEMIVOLATILES (SW-846 3510C/SW-846 8082A)								
Aroclor 1016 (PCB-1016)	0.12 U	ug/L	0.50	0.12	1	11/06/2023 16:00	11/09/2023 00:21	J
Aroclor 1221 (PCB-1221)	0.12 U	ug/L	0.50	0.12	1	11/06/2023 16:00	11/09/2023 00:21	J
Aroclor 1232 (PCB-1232)	0.12 U	ug/L	0.50	0.12	1	11/06/2023 16:00	11/09/2023 00:21	J
Aroclor 1242 (PCB-1242)	0.12 U	ug/L	0.50	0.12	1	11/06/2023 16:00	11/09/2023 00:21	J
Aroclor 1248 (PCB-1248)	0.12 U	ug/L	0.50	0.12	1	11/06/2023 16:00	11/09/2023 00:21	J
Aroclor 1254 (PCB-1254)	0.12 U	ug/L	0.50	0.12	1	11/06/2023 16:00	11/09/2023 00:21	J
Aroclor 1260 (PCB-1260)	0.12 U	ug/L	0.50	0.12	1	11/06/2023 16:00	11/09/2023 00:21	J
SEMIVOLATILES (SW-846 3510C/SW-846 8270C)								
1,2,4-Trichlorobenzene	0.69 U	ug/L	5.0	0.69	1	11/06/2023 07:00	11/10/2023 20:05	J
1,2-Dichlorobenzene	1.4 U	ug/L	5.0	1.4	1	11/06/2023 07:00	11/10/2023 20:05	J
1,2-Diphenylhydrazine	0.96 U	ug/L	5.0	0.96	1	11/06/2023 07:00	11/10/2023 20:05	J

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128005 **Date Collected:** 10/31/2023 12:07 **Matrix:** Water
Sample ID: MW-5 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,3-Dichlorobenzene	1.0 U	ug/L	5.0	1.0	1	11/06/2023 07:00	11/10/2023 20:05	J
1,4-Dichlorobenzene	2.0 U	ug/L	5.0	2.0	1	11/06/2023 07:00	11/10/2023 20:05	J
1-Methylnaphthalene	0.050 U	ug/L	5.0	0.050	1	11/06/2023 07:00	11/10/2023 20:05	J
2,4,6-Trichlorophenol	1.4 U	ug/L	5.0	1.4	1	11/06/2023 07:00	11/10/2023 20:05	J
2,4-Dichlorophenol	0.90 U	ug/L	5.0	0.90	1	11/06/2023 07:00	11/10/2023 20:05	J
2,4-Dimethylphenol	2.6 U	ug/L	5.0	2.6	1	11/06/2023 07:00	11/10/2023 20:05	J
2,4-Dinitrophenol	1.1 U	ug/L	10	1.1	1	11/06/2023 07:00	11/10/2023 20:05	J
2,4-Dinitrotoluene (2,4-DNT)	1.8 U	ug/L	5.0	1.8	1	11/06/2023 07:00	11/10/2023 20:05	J
2,6-Dinitrotoluene (2,6-DNT)	2.0 U	ug/L	5.0	2.0	1	11/06/2023 07:00	11/10/2023 20:05	J
2-Chloronaphthalene	1.7 U	ug/L	5.0	1.7	1	11/06/2023 07:00	11/10/2023 20:05	J
2-Chlorophenol	1.5 U	ug/L	5.0	1.5	1	11/06/2023 07:00	11/10/2023 20:05	J
2-Methyl-4,6-dinitrophenol	1.2 U	ug/L	10	1.2	1	11/06/2023 07:00	11/10/2023 20:05	J
2-Methylnaphthalene	0.049 U	ug/L	5.0	0.049	1	11/06/2023 07:00	11/10/2023 20:05	J
2-Nitrophenol	0.63 U	ug/L	5.0	0.63	1	11/06/2023 07:00	11/10/2023 20:05	J
3,3`-Dichlorobenzidine	1.3 U	ug/L	5.0	1.3	1	11/06/2023 07:00	11/10/2023 20:05	J
4-Bromophenyl Phenyl Ether	1.1 U	ug/L	5.0	1.1	1	11/06/2023 07:00	11/10/2023 20:05	J
4-Chloro-3-methylphenol	0.63 U	ug/L	5.0	0.63	1	11/06/2023 07:00	11/10/2023 20:05	J
4-Chlorophenyl Phenyl Ether	1.6 U	ug/L	5.0	1.6	1	11/06/2023 07:00	11/10/2023 20:05	J
4-Nitrophenol	2.9 U	ug/L	10	2.9	1	11/06/2023 07:00	11/10/2023 20:05	J
Acenaphthene	0.040 U	ug/L	5.0	0.040	1	11/06/2023 07:00	11/10/2023 20:05	J
Acenaphthylene	0.042 U	ug/L	5.0	0.042	1	11/06/2023 07:00	11/10/2023 20:05	J
Anthracene	0.035 U	ug/L	5.0	0.035	1	11/06/2023 07:00	11/10/2023 20:05	J
Benzidine	1.2 U	ug/L	5.0	1.2	1	11/06/2023 07:00	11/10/2023 20:05	J
Benzo[a]anthracene	0.012 U	ug/L	5.0	0.012	1	11/06/2023 07:00	11/10/2023 20:05	J
Benzo[a]pyrene	0.037 U	ug/L	5.0	0.037	1	11/06/2023 07:00	11/10/2023 20:05	J
Benzo[b]fluoranthene	0.012 U	ug/L	5.0	0.012	1	11/06/2023 07:00	11/10/2023 20:05	J
Benzo[g,h,i]perylene	0.048 U	ug/L	5.0	0.048	1	11/06/2023 07:00	11/10/2023 20:05	J

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128005 **Date Collected:** 10/31/2023 12:07 **Matrix:** Water
Sample ID: MW-5 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[k]fluoranthene	0.048 U	ug/L	5.0	0.048	1	11/06/2023 07:00	11/10/2023 20:05	J
Butyl benzyl phthalate	1.1 U	ug/L	5.0	1.1	1	11/06/2023 07:00	11/10/2023 20:05	J
Chrysene	0.033 U	ug/L	5.0	0.033	1	11/06/2023 07:00	11/10/2023 20:05	J
Di-n-Butyl Phthalate	0.88 U	ug/L	5.0	0.88	1	11/06/2023 07:00	11/10/2023 20:05	J
Di-n-octyl Phthalate	1.2 U	ug/L	5.0	1.2	1	11/06/2023 07:00	11/10/2023 20:05	J
Dibenzo[a,h]anthracene	0.024 U	ug/L	5.0	0.024	1	11/06/2023 07:00	11/10/2023 20:05	J
Diethyl phthalate	2.1 U	ug/L	5.0	2.1	1	11/06/2023 07:00	11/10/2023 20:05	J
Dimethyl phthalate	1.8 U	ug/L	5.0	1.8	1	11/06/2023 07:00	11/10/2023 20:05	J
Fluoranthene	0.037 U	ug/L	5.0	0.037	1	11/06/2023 07:00	11/10/2023 20:05	J
Fluorene	0.038 U	ug/L	5.0	0.038	1	11/06/2023 07:00	11/10/2023 20:05	J
Hexachlorobenzene	0.99 U	ug/L	5.0	0.99	1	11/06/2023 07:00	11/10/2023 20:05	J
Hexachlorobutadiene	1.3 U	ug/L	5.0	1.3	1	11/06/2023 07:00	11/10/2023 20:05	J
Hexachlorocyclopentadiene	1.0 U	ug/L	5.0	1.0	1	11/06/2023 07:00	11/10/2023 20:05	J
Hexachloroethane	1.2 U	ug/L	5.0	1.2	1	11/06/2023 07:00	11/10/2023 20:05	J
Indeno(1,2,3-cd)pyrene	0.011 U	ug/L	5.0	0.011	1	11/06/2023 07:00	11/10/2023 20:05	J
Isophorone	1.1 U	ug/L	5.0	1.1	1	11/06/2023 07:00	11/10/2023 20:05	J
N-Nitrosodi-n-propylamine	2.2 U	ug/L	5.0	2.2	1	11/06/2023 07:00	11/10/2023 20:05	J
N-Nitrosodimethylamine	0.93 U	ug/L	5.0	0.93	1	11/06/2023 07:00	11/10/2023 20:05	J
N-Nitrosodiphenylamine	2.1 U	ug/L	10	2.1	1	11/06/2023 07:00	11/10/2023 20:05	J
Naphthalene	0.048 U	ug/L	5.0	0.048	1	11/06/2023 07:00	11/10/2023 20:05	J
Nitrobenzene	1.1 U	ug/L	5.0	1.1	1	11/06/2023 07:00	11/10/2023 20:05	J
Pentachlorophenol	0.95 U	ug/L	5.0	0.95	1	11/06/2023 07:00	11/10/2023 20:05	J
Phenanthrene	0.040 U	ug/L	5.0	0.040	1	11/06/2023 07:00	11/10/2023 20:05	J
Phenol	0.54 U	ug/L	5.0	0.54	1	11/06/2023 07:00	11/10/2023 20:05	J
Pyrene	0.036 U	ug/L	5.0	0.036	1	11/06/2023 07:00	11/10/2023 20:05	J
bis(2-Chloroethoxy)methane	1.2 U	ug/L	5.0	1.2	1	11/06/2023 07:00	11/10/2023 20:05	J
bis(2-Chloroethyl)Ether	1.5 U	ug/L	5.0	1.5	1	11/06/2023 07:00	11/10/2023 20:05	J

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128005 **Date Collected:** 10/31/2023 12:07 **Matrix:** Water
Sample ID: MW-5 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
bis(2-Chloroisopropyl) Ether	1.4 U	ug/L	5.0	1.4	1	11/06/2023 07:00	11/10/2023 20:05	J
bis(2-Ethylhexyl) phthalate	2.0 U	ug/L	5.0	2.0	1	11/06/2023 07:00	11/10/2023 20:05	J
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	11/11/2023 03:07	11/11/2023 13:23	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	11/11/2023 03:07	11/11/2023 13:23	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	11/11/2023 03:07	11/11/2023 13:23	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	11/11/2023 03:07	11/11/2023 13:23	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	11/11/2023 03:07	11/11/2023 13:23	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	11/11/2023 03:07	11/11/2023 13:23	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	11/11/2023 03:07	11/11/2023 13:23	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	11/11/2023 03:07	11/11/2023 13:23	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	11/11/2023 03:07	11/11/2023 13:23	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	11/11/2023 03:07	11/11/2023 13:23	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	11/11/2023 03:07	11/11/2023 13:23	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	11/11/2023 03:07	11/11/2023 13:23	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	11/11/2023 03:07	11/11/2023 13:23	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	11/11/2023 03:07	11/11/2023 13:23	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	11/11/2023 03:07	11/11/2023 13:23	T
Benzene	0.28 U	ug/L	1.0	0.28	1	11/11/2023 03:07	11/11/2023 13:23	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	11/11/2023 03:07	11/11/2023 13:23	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	11/11/2023 03:07	11/11/2023 13:23	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	11/11/2023 03:07	11/11/2023 13:23	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	11/11/2023 03:07	11/11/2023 13:23	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	11/11/2023 03:07	11/11/2023 13:23	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	11/11/2023 03:07	11/11/2023 13:23	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	11/11/2023 03:07	11/11/2023 13:23	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	11/11/2023 03:07	11/11/2023 13:23	T

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128005 **Date Collected:** 10/31/2023 12:07 **Matrix:** Water
Sample ID: MW-5 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	11/11/2023 03:07	11/11/2023 13:23	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	11/11/2023 03:07	11/11/2023 13:23	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	11/11/2023 03:07	11/11/2023 13:23	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	11/11/2023 03:07	11/11/2023 13:23	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	11/11/2023 03:07	11/11/2023 13:23	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	11/11/2023 03:07	11/11/2023 13:23	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	11/11/2023 03:07	11/11/2023 13:23	T
Toluene	0.66 U	ug/L	1.0	0.66	1	11/11/2023 03:07	11/11/2023 13:23	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	11/11/2023 03:07	11/11/2023 13:23	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	11/11/2023 03:07	11/11/2023 13:23	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	11/11/2023 03:07	11/11/2023 13:23	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	11/11/2023 03:07	11/11/2023 13:23	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	11/11/2023 03:07	11/11/2023 13:23	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	11/11/2023 03:07	11/11/2023 13:23	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	11/11/2023 03:07	11/11/2023 13:23	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	11/11/2023 03:07	11/11/2023 13:23	T
WET CHEMISTRY (EPA 300.0)								
Chloride	**280**	mg/L	25	0.59	5	10/31/2023 23:49	10/31/2023 23:49	F
Nitrate (as N)	0.12 U	mg/L	2.5	0.12	5	10/31/2023 23:49	10/31/2023 23:49	F
Sulfate	**110**	mg/L	25	0.38	5	10/31/2023 23:49	10/31/2023 23:49	F
WET CHEMISTRY (EPA 350.1)								
Ammonia (N)	**26**	mg/L	0.10	0.050	1	11/15/2023 16:43	11/15/2023 16:43	M
WET CHEMISTRY (SM 2540 C)								
Total Dissolved Solids	**1600**	mg/L	10	10	1	11/02/2023 13:10	11/02/2023 13:10	F

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Analysis Results Comments

13C3-PFHXS

J1|Surrogate Failure

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Nonatricontane-C39 (S)	ug/L	550	500	92	40 - 129	T
o-Terphenyl (S)	ug/L	180	180	96	66 - 139	T
Decachlorobiphenyl (S)	ug/L	0.50	0.21	**42**	48 - 137	J
Tetrachloro-m-xylene (S)	ug/L	1	0.63	63	44 - 124	J
2,4,6-Tribromophenol (S)	ug/L	50	53	105	48 - 147	J
Phenol-d6 (S)	ug/L	50	16	32	24 - 120	J
2-Fluorobiphenyl (S)	ug/L	50	35	70	42 - 138	J
2-Fluorophenol (S)	ug/L	50	20	41	31 - 134	J
Nitrobenzene-d5 (S)	ug/L	50	38	77	38 - 139	J
p-Terphenyl-d14 (S)	ug/L	50	37	75	61 - 154	J
Decachlorobiphenyl (S)	ug/L	0.50	0.21	**42**	44 - 136	J^
Tetrachloro-m-xylene (S)	ug/L	1	0.63	63	61 - 119	J^
2,4-Dichlorophenylacetic acid (S)	ug/L	100	98	98	41 - 122	J^
13C2-4:2FTS (S)	ng/L	200	280	141	50 - 150	J
13C2-6:2FTS (S)	ng/L	200	260	130	50 - 150	J
13C2-8:2FTS (S)	ng/L	200	270	134	50 - 150	J
13C2-PFDOA (S)	ng/L	80	78	97.10	50 - 150	J
13C3-HFPO-DA (S)	ng/L	80	90	112	50 - 150	J
13C3-PFBS (S)	ng/L	80	110	138	50 - 150	J
13C3-PFHXS (S)	ng/L	80	120	**151**	50 - 150	J

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
13C4-PFBA (S)	ng/L	80	86	108	50 - 150	J
13C4-PFHPA (S)	ng/L	80	99	124	50 - 150	J
13C5-PFHXA (S)	ng/L	80	95	119	50 - 150	J
13C5-PFPEA (S)	ng/L	80	100	130	50 - 150	J
13C6-PFDA (S)	ng/L	80	88	111	50 - 150	J
13C7-PFUNA (S)	ng/L	80	92	115	50 - 150	J
13C8-PFOA (S)	ng/L	80	98	123	50 - 150	J
13C8-PFOS (S)	ng/L	80	90	112	50 - 150	J
13C9-PFNA (S)	ng/L	80	100	125	50 - 150	J
Tributylphosphate (S)	ug/L	1	0.49	49	48.50 - 121	J
1,2-Dichloroethane-d4 (S)	ug/L	50	42	83	70 - 128	T
Toluene-d8 (S)	ug/L	50	55	111	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	48	95	86 - 123	T

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128006 **Date Collected:** 10/31/2023 12:14 **Matrix:** Water
Sample ID: MW-6 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(AEL SOP-041/LCMSMS)								
ADONA	2.0 U	ng/L	8.0	2.0	1	11/21/2023 07:30	12/12/2023 12:12	J
11Cl-PF3OUdS	2.0 U	ng/L	8.0	2.0	1	11/21/2023 07:30	12/12/2023 12:12	J
9Cl-PF3ONS	2.0 U	ng/L	8.0	2.0	1	11/21/2023 07:30	12/12/2023 12:12	J
4:2 FTS	2.0 U	ng/L	8.0	2.0	1	11/21/2023 07:30	12/12/2023 12:12	J
6:2 FTS	2.0 U	ng/L	8.0	2.0	1	11/21/2023 07:30	12/12/2023 12:12	J
8:2 FTS	2.0 U	ng/L	8.0	2.0	1	11/21/2023 07:30	12/12/2023 12:12	J
HFPO-DA	2.0 U	ng/L	8.0	2.0	1	11/21/2023 07:30	12/12/2023 12:12	J
NFDHA	2.0 U	ng/L	8.0	2.0	1	11/21/2023 07:30	12/12/2023 12:12	J
PFBS	2.0 U	ng/L	8.0	2.0	1	11/21/2023 07:30	12/12/2023 12:12	J
PFBA	**6.4 I**	ng/L	8.0	2.0	1	11/21/2023 07:30	12/12/2023 12:12	J
PFDA	2.0 U	ng/L	8.0	2.0	1	11/21/2023 07:30	12/12/2023 12:12	J
PFDoA	2.0 U	ng/L	8.0	2.0	1	11/21/2023 07:30	12/12/2023 12:12	J
PFHpS	2.0 U	ng/L	8.0	2.0	1	11/21/2023 07:30	12/12/2023 12:12	J
PFHpA	2.0 U	ng/L	8.0	2.0	1	11/21/2023 07:30	12/12/2023 12:12	J
PFHxS	2.0 U	ng/L	8.0	2.0	1	11/21/2023 07:30	12/12/2023 12:12	J
PFHxA	2.0 U	ng/L	8.0	2.0	1	11/21/2023 07:30	12/12/2023 12:12	J
PFMBA	2.0 U	ng/L	8.0	2.0	1	11/21/2023 07:30	12/12/2023 12:12	J
PFMPA	2.0 U	ng/L	8.0	2.0	1	11/21/2023 07:30	12/12/2023 12:12	J
PFNA	2.0 U	ng/L	8.0	2.0	1	11/21/2023 07:30	12/12/2023 12:12	J
PFOS	**10**	ng/L	8.0	2.0	1	11/21/2023 07:30	12/12/2023 12:12	J
PFOA	**6.8 I**	ng/L	8.0	2.0	1	11/21/2023 07:30	12/12/2023 12:12	J
PFPeS	2.0 U	ng/L	8.0	2.0	1	11/21/2023 07:30	12/12/2023 12:12	J
PFPeA	2.0 U	ng/L	8.0	2.0	1	11/21/2023 07:30	12/12/2023 12:12	J
PFUnA	2.0 U	ng/L	8.0	2.0	1	11/21/2023 07:30	12/12/2023 12:12	J
PFEESA	2.0 U	ng/L	8.0	2.0	1	11/21/2023 07:30	12/12/2023 12:12	J
METALS (SW-846 3010A/SW-846 6010)								

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128006 **Date Collected:** 10/31/2023 12:14 **Matrix:** Water
Sample ID: MW-6 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Arsenic	**18**	ug/L	10	8.0	1	11/17/2023 12:00	11/21/2023 10:17	T
Barium	**0.033**	mg/L	0.010	0.0030	1	11/17/2023 12:00	11/21/2023 10:17	T
Cadmium	1.0 U	ug/L	2.0	1.0	1	11/17/2023 12:00	11/21/2023 10:17	T
Calcium	**160**	mg/L	1.0	0.20	1	11/17/2023 12:00	11/21/2023 10:17	T
Chromium	5.0 U	ug/L	10	5.0	1	11/17/2023 12:00	11/21/2023 10:17	T
Iron	**13**	mg/L	0.10	0.0067	1	11/17/2023 12:00	11/21/2023 10:17	T
Lead	**3.6 I**	ug/L	10	3.0	1	11/17/2023 12:00	11/21/2023 10:17	T
Manganese	**0.084**	mg/L	0.010	0.0050	1	11/17/2023 12:00	11/21/2023 10:17	T
Potassium	**17**	mg/L	1.0	0.50	1	11/17/2023 12:00	11/21/2023 10:17	T
Selenium	0.020 U	mg/L	0.10	0.020	1	11/17/2023 12:00	11/21/2023 10:17	T
Silver	0.0080 U	mg/L	0.010	0.0080	1	11/17/2023 12:00	11/21/2023 10:17	T
Sodium	**2.5**	mg/L	1.0	0.80	1	11/17/2023 12:00	11/21/2023 10:17	T
Zinc	0.050 U	mg/L	0.10	0.050	1	11/17/2023 12:00	11/21/2023 10:17	T
METALS (SW-846 7470A)								
Mercury	**0.018 I**	ug/L	0.10	0.011	1	11/09/2023 10:30	11/14/2023 17:18	T
SEMIVOLATILES (8151/EPA 8151)								
2,4,5-T	2.0 U	ug/L	8.0	2.0	1	11/06/2023 07:00	11/09/2023 17:26	J
2,4-D	2.0 U	ug/L	8.0	2.0	1	11/06/2023 07:00	11/09/2023 17:26	J
2,4-DB	2.0 U	ug/L	8.0	2.0	1	11/06/2023 07:00	11/09/2023 17:26	J
Dalapon	8.0 U	ug/L	32	8.0	1	11/06/2023 07:00	11/09/2023 17:26	J
Dicamba	1.0 U	ug/L	4.0	1.0	1	11/06/2023 07:00	11/09/2023 17:26	J
Dichloroprop	2.0 U	ug/L	8.0	2.0	1	11/06/2023 07:00	11/09/2023 17:26	J
Dinoseb	0.70 U	ug/L	2.8	0.70	1	11/06/2023 07:00	11/09/2023 17:26	J
Pentachlorophenol	0.30 U	ug/L	1.0	0.30	1	11/06/2023 07:00	11/09/2023 17:26	J
Silvex (2,4,5-TP)	1.0 U	ug/L	4.0	1.0	1	11/06/2023 07:00	11/09/2023 17:26	J
SEMIVOLATILES (FL-PRO)								
TPH	0.54 U	mg/L	0.64	0.54	1	11/06/2023 13:00	11/07/2023 21:44	T
SEMIVOLATILES (SW-846 3510C/EPA 8081)								

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128006 **Date Collected:** 10/31/2023 12:14 **Matrix:** Water
Sample ID: MW-6 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
4,4`-DDD	0.0016 U	ug/L	0.020	0.0016	1	11/06/2023 16:00	11/09/2023 00:42	J
4,4`-DDE	0.0037 U	ug/L	0.020	0.0037	1	11/06/2023 16:00	11/09/2023 00:42	J
4,4`-DDT	0.0021 U	ug/L	0.020	0.0021	1	11/06/2023 16:00	11/09/2023 00:42	J
Aldrin	0.0019 U	ug/L	0.020	0.0019	1	11/06/2023 16:00	11/09/2023 00:42	J
Chlordane (technical)	0.053 U	ug/L	0.20	0.053	1	11/06/2023 16:00	11/09/2023 00:42	J
Dieldrin	0.0011 U	ug/L	0.020	0.0011	1	11/06/2023 16:00	11/09/2023 00:42	J
Endosulfan I	0.0031 U	ug/L	0.020	0.0031	1	11/06/2023 16:00	11/09/2023 00:42	J
Endosulfan II	0.0026 U	ug/L	0.020	0.0026	1	11/06/2023 16:00	11/09/2023 00:42	J
Endosulfan Sulfate	0.0032 U	ug/L	0.020	0.0032	1	11/06/2023 16:00	11/09/2023 00:42	J
Endrin	0.0017 U	ug/L	0.020	0.0017	1	11/06/2023 16:00	11/09/2023 00:42	J
Endrin Aldehyde	0.0025 U	ug/L	0.020	0.0025	1	11/06/2023 16:00	11/09/2023 00:42	J
Heptachlor	0.0035 U	ug/L	0.020	0.0035	1	11/06/2023 16:00	11/09/2023 00:42	J
Heptachlor Epoxide	0.0017 U	ug/L	0.020	0.0017	1	11/06/2023 16:00	11/09/2023 00:42	J
Methoxychlor	0.0058 U	ug/L	0.020	0.0058	1	11/06/2023 16:00	11/09/2023 00:42	J
Toxaphene	0.12 U	ug/L	0.20	0.12	1	11/06/2023 16:00	11/09/2023 00:42	J
alpha-BHC	0.0030 U	ug/L	0.020	0.0030	1	11/06/2023 16:00	11/09/2023 00:42	J
beta-BHC	0.0019 U	ug/L	0.020	0.0019	1	11/06/2023 16:00	11/09/2023 00:42	J
delta-BHC	0.00086 U	ug/L	0.020	0.00086	1	11/06/2023 16:00	11/09/2023 00:42	J
gamma-BHC (Lindane)	0.0018 U	ug/L	0.020	0.0018	1	11/06/2023 16:00	11/09/2023 00:42	J
SEMIVOLATILES (SW-846 3510C/EPA 8141)								
Atrazine	0.071 U	ug/L	0.20	0.071	1	11/06/2023 16:00	11/09/2023 22:19	J
Azinphos-methyl	0.057 U	ug/L	0.20	0.057	1	11/06/2023 16:00	11/09/2023 22:19	J
Chlorpyrifos	0.041 U	ug/L	0.20	0.041	1	11/06/2023 16:00	11/09/2023 22:19	J
Chlorpyrifos-methyl	0.060 U	ug/L	0.20	0.060	1	11/06/2023 16:00	11/09/2023 22:19	J
Demeton	0.060 U	ug/L	0.20	0.060	1	11/06/2023 16:00	11/09/2023 22:19	J
Diazinon	0.055 U	ug/L	0.20	0.055	1	11/06/2023 16:00	11/09/2023 22:19	J
Dimethoate	0.054 U	ug/L	0.20	0.054	1	11/06/2023 16:00	11/09/2023 22:19	J

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128006 **Date Collected:** 10/31/2023 12:14 **Matrix:** Water
Sample ID: MW-6 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Disulfoton	0.041 U	ug/L	0.20	0.041	1	11/06/2023 16:00	11/09/2023 22:19	J
Ethion	0.069 U	ug/L	0.20	0.069	1	11/06/2023 16:00	11/09/2023 22:19	J
Ethoprop	0.047 U	ug/L	0.20	0.047	1	11/06/2023 16:00	11/09/2023 22:19	J
Famphur	0.11 U	ug/L	0.20	0.11	1	11/06/2023 16:00	11/09/2023 22:19	J
Fensulfothion	0.047 U	ug/L	0.20	0.047	1	11/06/2023 16:00	11/09/2023 22:19	J
Fonophos	0.050 U	ug/L	0.20	0.050	1	11/06/2023 16:00	11/09/2023 22:19	J
Malathion	0.073 U	ug/L	0.20	0.073	1	11/06/2023 16:00	11/09/2023 22:19	J
Merphos	0.057 U	ug/L	0.20	0.057	1	11/06/2023 16:00	11/09/2023 22:19	J
Methyl Parathion	0.054 U	ug/L	0.20	0.054	1	11/06/2023 16:00	11/09/2023 22:19	J
Mevinphos	0.055 U	ug/L	0.20	0.055	1	11/06/2023 16:00	11/09/2023 22:19	J
Parathion (Ethyl)	0.064 U	ug/L	0.20	0.064	1	11/06/2023 16:00	11/09/2023 22:19	J
Phorate	0.044 U	ug/L	0.20	0.044	1	11/06/2023 16:00	11/09/2023 22:19	J
Phosmet	0.076 U	ug/L	0.20	0.076	1	11/06/2023 16:00	11/09/2023 22:19	J
Ronnel	0.048 U	ug/L	0.20	0.048	1	11/06/2023 16:00	11/09/2023 22:19	J
Simazine	0.072 U	ug/L	0.20	0.072	1	11/06/2023 16:00	11/09/2023 22:19	J
SEMIVOLATILES (SW-846 3510C/SW-846 8082A)								
Aroclor 1016 (PCB-1016)	0.12 U	ug/L	0.50	0.12	1	11/06/2023 16:00	11/09/2023 00:42	J
Aroclor 1221 (PCB-1221)	0.12 U	ug/L	0.50	0.12	1	11/06/2023 16:00	11/09/2023 00:42	J
Aroclor 1232 (PCB-1232)	0.12 U	ug/L	0.50	0.12	1	11/06/2023 16:00	11/09/2023 00:42	J
Aroclor 1242 (PCB-1242)	0.12 U	ug/L	0.50	0.12	1	11/06/2023 16:00	11/09/2023 00:42	J
Aroclor 1248 (PCB-1248)	0.12 U	ug/L	0.50	0.12	1	11/06/2023 16:00	11/09/2023 00:42	J
Aroclor 1254 (PCB-1254)	0.12 U	ug/L	0.50	0.12	1	11/06/2023 16:00	11/09/2023 00:42	J
Aroclor 1260 (PCB-1260)	0.12 U	ug/L	0.50	0.12	1	11/06/2023 16:00	11/09/2023 00:42	J
SEMIVOLATILES (SW-846 3510C/SW-846 8270C)								
1,2,4-Trichlorobenzene	0.69 U	ug/L	5.0	0.69	1	11/06/2023 07:00	11/10/2023 20:42	J
1,2-Dichlorobenzene	1.4 U	ug/L	5.0	1.4	1	11/06/2023 07:00	11/10/2023 20:42	J
1,2-Diphenylhydrazine	0.96 U	ug/L	5.0	0.96	1	11/06/2023 07:00	11/10/2023 20:42	J

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128006 **Date Collected:** 10/31/2023 12:14 **Matrix:** Water
Sample ID: MW-6 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,3-Dichlorobenzene	1.0 U	ug/L	5.0	1.0	1	11/06/2023 07:00	11/10/2023 20:42	J
1,4-Dichlorobenzene	2.0 U	ug/L	5.0	2.0	1	11/06/2023 07:00	11/10/2023 20:42	J
1-Methylnaphthalene	0.050 U	ug/L	5.0	0.050	1	11/06/2023 07:00	11/10/2023 20:42	J
2,4,6-Trichlorophenol	1.4 U	ug/L	5.0	1.4	1	11/06/2023 07:00	11/10/2023 20:42	J
2,4-Dichlorophenol	0.90 U	ug/L	5.0	0.90	1	11/06/2023 07:00	11/10/2023 20:42	J
2,4-Dimethylphenol	2.6 U	ug/L	5.0	2.6	1	11/06/2023 07:00	11/10/2023 20:42	J
2,4-Dinitrophenol	1.1 U	ug/L	10	1.1	1	11/06/2023 07:00	11/10/2023 20:42	J
2,4-Dinitrotoluene (2,4-DNT)	1.8 U	ug/L	5.0	1.8	1	11/06/2023 07:00	11/10/2023 20:42	J
2,6-Dinitrotoluene (2,6-DNT)	2.0 U	ug/L	5.0	2.0	1	11/06/2023 07:00	11/10/2023 20:42	J
2-Chloronaphthalene	1.7 U	ug/L	5.0	1.7	1	11/06/2023 07:00	11/10/2023 20:42	J
2-Chlorophenol	1.5 U	ug/L	5.0	1.5	1	11/06/2023 07:00	11/10/2023 20:42	J
2-Methyl-4,6-dinitrophenol	1.2 U	ug/L	10	1.2	1	11/06/2023 07:00	11/10/2023 20:42	J
2-Methylnaphthalene	0.049 U	ug/L	5.0	0.049	1	11/06/2023 07:00	11/10/2023 20:42	J
2-Nitrophenol	0.63 U	ug/L	5.0	0.63	1	11/06/2023 07:00	11/10/2023 20:42	J
3,3`-Dichlorobenzidine	1.3 U	ug/L	5.0	1.3	1	11/06/2023 07:00	11/10/2023 20:42	J
4-Bromophenyl Phenyl Ether	1.1 U	ug/L	5.0	1.1	1	11/06/2023 07:00	11/10/2023 20:42	J
4-Chloro-3-methylphenol	0.63 U	ug/L	5.0	0.63	1	11/06/2023 07:00	11/10/2023 20:42	J
4-Chlorophenyl Phenyl Ether	1.6 U	ug/L	5.0	1.6	1	11/06/2023 07:00	11/10/2023 20:42	J
4-Nitrophenol	2.9 U	ug/L	10	2.9	1	11/06/2023 07:00	11/10/2023 20:42	J
Acenaphthene	0.040 U	ug/L	5.0	0.040	1	11/06/2023 07:00	11/10/2023 20:42	J
Acenaphthylene	0.042 U	ug/L	5.0	0.042	1	11/06/2023 07:00	11/10/2023 20:42	J
Anthracene	0.035 U	ug/L	5.0	0.035	1	11/06/2023 07:00	11/10/2023 20:42	J
Benzidine	1.2 U	ug/L	5.0	1.2	1	11/06/2023 07:00	11/10/2023 20:42	J
Benzo[a]anthracene	0.012 U	ug/L	5.0	0.012	1	11/06/2023 07:00	11/10/2023 20:42	J
Benzo[a]pyrene	0.037 U	ug/L	5.0	0.037	1	11/06/2023 07:00	11/10/2023 20:42	J
Benzo[b]fluoranthene	0.012 U	ug/L	5.0	0.012	1	11/06/2023 07:00	11/10/2023 20:42	J
Benzo[g,h,i]perylene	0.048 U	ug/L	5.0	0.048	1	11/06/2023 07:00	11/10/2023 20:42	J

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128006 **Date Collected:** 10/31/2023 12:14 **Matrix:** Water
Sample ID: MW-6 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[k]fluoranthene	0.048 U	ug/L	5.0	0.048	1	11/06/2023 07:00	11/10/2023 20:42	J
Butyl benzyl phthalate	1.1 U	ug/L	5.0	1.1	1	11/06/2023 07:00	11/10/2023 20:42	J
Chrysene	0.033 U	ug/L	5.0	0.033	1	11/06/2023 07:00	11/10/2023 20:42	J
Di-n-Butyl Phthalate	0.88 U	ug/L	5.0	0.88	1	11/06/2023 07:00	11/10/2023 20:42	J
Di-n-octyl Phthalate	1.2 U	ug/L	5.0	1.2	1	11/06/2023 07:00	11/10/2023 20:42	J
Dibenzo[a,h]anthracene	0.024 U	ug/L	5.0	0.024	1	11/06/2023 07:00	11/10/2023 20:42	J
Diethyl phthalate	2.1 U	ug/L	5.0	2.1	1	11/06/2023 07:00	11/10/2023 20:42	J
Dimethyl phthalate	1.8 U	ug/L	5.0	1.8	1	11/06/2023 07:00	11/10/2023 20:42	J
Fluoranthene	0.037 U	ug/L	5.0	0.037	1	11/06/2023 07:00	11/10/2023 20:42	J
Fluorene	0.038 U	ug/L	5.0	0.038	1	11/06/2023 07:00	11/10/2023 20:42	J
Hexachlorobenzene	0.99 U	ug/L	5.0	0.99	1	11/06/2023 07:00	11/10/2023 20:42	J
Hexachlorobutadiene	1.3 U	ug/L	5.0	1.3	1	11/06/2023 07:00	11/10/2023 20:42	J
Hexachlorocyclopentadiene	1.0 U	ug/L	5.0	1.0	1	11/06/2023 07:00	11/10/2023 20:42	J
Hexachloroethane	1.2 U	ug/L	5.0	1.2	1	11/06/2023 07:00	11/10/2023 20:42	J
Indeno(1,2,3-cd)pyrene	0.011 U	ug/L	5.0	0.011	1	11/06/2023 07:00	11/10/2023 20:42	J
Isophorone	1.1 U	ug/L	5.0	1.1	1	11/06/2023 07:00	11/10/2023 20:42	J
N-Nitrosodi-n-propylamine	2.2 U	ug/L	5.0	2.2	1	11/06/2023 07:00	11/10/2023 20:42	J
N-Nitrosodimethylamine	0.93 U	ug/L	5.0	0.93	1	11/06/2023 07:00	11/10/2023 20:42	J
N-Nitrosodiphenylamine	2.1 U	ug/L	10	2.1	1	11/06/2023 07:00	11/10/2023 20:42	J
Naphthalene	0.048 U	ug/L	5.0	0.048	1	11/06/2023 07:00	11/10/2023 20:42	J
Nitrobenzene	1.1 U	ug/L	5.0	1.1	1	11/06/2023 07:00	11/10/2023 20:42	J
Pentachlorophenol	0.95 U	ug/L	5.0	0.95	1	11/06/2023 07:00	11/10/2023 20:42	J
Phenanthrene	0.040 U	ug/L	5.0	0.040	1	11/06/2023 07:00	11/10/2023 20:42	J
Phenol	0.54 U	ug/L	5.0	0.54	1	11/06/2023 07:00	11/10/2023 20:42	J
Pyrene	0.036 U	ug/L	5.0	0.036	1	11/06/2023 07:00	11/10/2023 20:42	J
bis(2-Chloroethoxy)methane	1.2 U	ug/L	5.0	1.2	1	11/06/2023 07:00	11/10/2023 20:42	J
bis(2-Chloroethyl)Ether	1.5 U	ug/L	5.0	1.5	1	11/06/2023 07:00	11/10/2023 20:42	J

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128006 **Date Collected:** 10/31/2023 12:14 **Matrix:** Water
Sample ID: MW-6 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
bis(2-Chloroisopropyl) Ether	1.4 U	ug/L	5.0	1.4	1	11/06/2023 07:00	11/10/2023 20:42	J
bis(2-Ethylhexyl) phthalate	2.0 U	ug/L	5.0	2.0	1	11/06/2023 07:00	11/10/2023 20:42	J
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	11/11/2023 14:14	11/11/2023 20:14	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	11/11/2023 14:14	11/11/2023 20:14	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	11/11/2023 14:14	11/11/2023 20:14	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	11/11/2023 14:14	11/11/2023 20:14	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	11/11/2023 14:14	11/11/2023 20:14	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	11/11/2023 14:14	11/11/2023 20:14	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	11/11/2023 14:14	11/11/2023 20:14	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	11/11/2023 14:14	11/11/2023 20:14	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	11/11/2023 14:14	11/11/2023 20:14	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	11/11/2023 14:14	11/11/2023 20:14	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	11/11/2023 14:14	11/11/2023 20:14	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	11/11/2023 14:14	11/11/2023 20:14	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	11/11/2023 14:14	11/11/2023 20:14	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	11/11/2023 14:14	11/11/2023 20:14	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	11/11/2023 14:14	11/11/2023 20:14	T
Benzene	0.28 U	ug/L	1.0	0.28	1	11/11/2023 14:14	11/11/2023 20:14	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	11/11/2023 14:14	11/11/2023 20:14	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	11/11/2023 14:14	11/11/2023 20:14	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	11/11/2023 14:14	11/11/2023 20:14	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	11/11/2023 14:14	11/11/2023 20:14	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	11/11/2023 14:14	11/11/2023 20:14	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	11/11/2023 14:14	11/11/2023 20:14	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	11/11/2023 14:14	11/11/2023 20:14	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	11/11/2023 14:14	11/11/2023 20:14	T

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128006 **Date Collected:** 10/31/2023 12:14 **Matrix:** Water
Sample ID: MW-6 **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	11/11/2023 14:14	11/11/2023 20:14	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	11/11/2023 14:14	11/11/2023 20:14	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	11/11/2023 14:14	11/11/2023 20:14	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	11/11/2023 14:14	11/11/2023 20:14	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	11/11/2023 14:14	11/11/2023 20:14	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	11/11/2023 14:14	11/11/2023 20:14	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	11/11/2023 14:14	11/11/2023 20:14	T
Toluene	0.66 U	ug/L	1.0	0.66	1	11/11/2023 14:14	11/11/2023 20:14	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	11/11/2023 14:14	11/11/2023 20:14	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	11/11/2023 14:14	11/11/2023 20:14	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	11/11/2023 14:14	11/11/2023 20:14	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	11/11/2023 14:14	11/11/2023 20:14	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	11/11/2023 14:14	11/11/2023 20:14	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	11/11/2023 14:14	11/11/2023 20:14	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	11/11/2023 14:14	11/11/2023 20:14	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	11/11/2023 14:14	11/11/2023 20:14	T
WET CHEMISTRY (EPA 300.0)								
Chloride	**18**	mg/L	5.0	0.12	1	11/01/2023 00:02	11/01/2023 00:02	F
Nitrate (as N)	0.023 U	mg/L	0.50	0.023	1	11/01/2023 00:02	11/01/2023 00:02	F
Sulfate	**37**	mg/L	5.0	0.076	1	11/01/2023 00:02	11/01/2023 00:02	F
WET CHEMISTRY (EPA 350.1)								
Ammonia (N)	**0.41**	mg/L	0.10	0.050	1	11/15/2023 16:43	11/15/2023 16:43	M
WET CHEMISTRY (SM 2540 C)								
Total Dissolved Solids	**510**	mg/L	10	10	1	11/02/2023 13:10	11/02/2023 13:10	F

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Analysis Results Comments

13C2-PFDOA

J1|Surrogate Failure

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Nonatricontane-C39 (S)	ug/L	570	520	93	40 - 129	T
o-Terphenyl (S)	ug/L	190	170	88	66 - 139	T
Decachlorobiphenyl (S)	ug/L	0.50	0.28	57	48 - 137	J
Tetrachloro-m-xylene (S)	ug/L	1	0.62	62	44 - 124	J
2,4,6-Tribromophenol (S)	ug/L	50	58	115	48 - 147	J
Phenol-d6 (S)	ug/L	50	17	33	24 - 120	J
2-Fluorobiphenyl (S)	ug/L	50	33	67	42 - 138	J
2-Fluorophenol (S)	ug/L	50	23	46	31 - 134	J
Nitrobenzene-d5 (S)	ug/L	50	39	79	38 - 139	J
p-Terphenyl-d14 (S)	ug/L	50	45	90	61 - 154	J
Decachlorobiphenyl (S)	ug/L	0.50	0.28	57	44 - 136	J^
Tetrachloro-m-xylene (S)	ug/L	1	0.62	62	61 - 119	J^
2,4-Dichlorophenylacetic acid (S)	ug/L	100	110	112	41 - 122	J^
13C2-4:2FTS (S)	ng/L	20	24	119	50 - 150	J
13C2-6:2FTS (S)	ng/L	20	24	120	50 - 150	J
13C2-8:2FTS (S)	ng/L	20	15	77.10	50 - 150	J
13C2-PFDOA (S)	ng/L	8	3.60	**45.20**	50 - 150	J
13C3-HFPO-DA (S)	ng/L	8	8	99.60	50 - 150	J
13C3-PFBS (S)	ng/L	8	9.70	121	50 - 150	J
13C3-PFHXS (S)	ng/L	8	9.10	114	50 - 150	J

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
13C4-PFBA (S)	ng/L	8	8.40	106	50 - 150	J
13C4-PFHPA (S)	ng/L	8	7.60	95.30	50 - 150	J
13C5-PFHXA (S)	ng/L	8	8	101	50 - 150	J
13C5-PFPEA (S)	ng/L	8	8.90	112	50 - 150	J
13C6-PFDA (S)	ng/L	8	5.70	71.80	50 - 150	J
13C7-PFUNA (S)	ng/L	8	4.80	59.50	50 - 150	J
13C8-PFOA (S)	ng/L	8	8.40	105	50 - 150	J
13C8-PFOS (S)	ng/L	8	7.70	96.80	50 - 150	J
13C9-PFNA (S)	ng/L	8	7.50	94.50	50 - 150	J
Tributylphosphate (S)	ug/L	1	0.72	73	48.50 - 121	J
1,2-Dichloroethane-d4 (S)	ug/L	50	56	112	70 - 128	T
Toluene-d8 (S)	ug/L	50	57	114	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	52	105	86 - 123	T

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

Analytical Results

Lab ID: F2307128007 **Date Collected:** 10/31/2023 09:25 **Matrix:** Water
Sample ID: Field Reagent Blank **Date Received:** 10/31/2023 16:54

Parameter	Results	Units	DL	PQL	MDL	DF	Prepared	Analyzed	Lab

No results available.

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

QC Results

QC Batch: CVAt/2096 **Analysis Method:** SW-846 7470A
Preparation Method: SW-846 7470A
Associated Lab IDs: F2307128001, F2307128002, F2307128003, F2307128004, F2307128005, F2307128006

Method Blank(5039172)

Parameter	Results	Units	PQL	MDL	Lab
Mercury	0.011 U	ug/L	0.10	0.011	T

Lab Control Sample (5039173)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Mercury	ug/L	1	1	100	80 - 120	T

Matrix Spike (5039174); Matrix Spike Duplicate (5039175); Original (G2310954001); Parent Lab Sample (G2310954001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Mercury	ug/L	1	.8	**78**	80 - 120	.88	86	10	20	T

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

QC Results

QC Batch: GCSj/5600 **Analysis Method:** EPA 8081
Preparation Method: SW-846 3510C
Associated Lab IDs: F2307128001, F2307128002, F2307128003, F2307128004, F2307128005, F2307128006

Method Blank(5032896)

Parameter	Results	Units	PQL	MDL	Lab
alpha-BHC	0.0030 U	ug/L	0.020	0.0030	J
gamma-BHC (Lindane)	0.0018 U	ug/L	0.020	0.0018	J
beta-BHC	0.0019 U	ug/L	0.020	0.0019	J
delta-BHC	0.00086 U	ug/L	0.020	0.00086	J
Heptachlor	0.0035 U	ug/L	0.020	0.0035	J
Aldrin	0.0019 U	ug/L	0.020	0.0019	J
Heptachlor Epoxide	0.0017 U	ug/L	0.020	0.0017	J
Endosulfan I	0.0031 U	ug/L	0.020	0.0031	J
4,4`-DDE	0.0037 U	ug/L	0.020	0.0037	J
Dieldrin	0.0011 U	ug/L	0.020	0.0011	J
Endrin	0.0017 U	ug/L	0.020	0.0017	J
4,4`-DDD	0.0016 U	ug/L	0.020	0.0016	J
Endosulfan II	0.0026 U	ug/L	0.020	0.0026	J
Endrin Aldehyde	0.0025 U	ug/L	0.020	0.0025	J
4,4`-DDT	0.0021 U	ug/L	0.020	0.0021	J
Endosulfan Sulfate	0.0032 U	ug/L	0.020	0.0032	J
Methoxychlor	0.0058 U	ug/L	0.020	0.0058	J
Chlordane (technical)	0.053 U	ug/L	0.20	0.053	J
Toxaphene	0.12 U	ug/L	0.20	0.12	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0005	0.000340	69	48 - 137	J
Tetrachloro-m-xylene (S)	mg/L	0.0010	0.000660	66	44 - 124	J

Lab Control Sample (5032897); Lab Control Sample Duplicate (5032898); Parent Lab Sample (F2307128001, F2307128002, F2307128003, F2307128004, F2307128005, F2307128006)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
alpha-BHC	ug/L	0.10	.055	55	54 - 138	.075	75	**31**	30	J
gamma-BHC (Lindane)	ug/L	0.10	.065	65	59 - 134	.08	80	21	30	J
beta-BHC	ug/L	0.10	.074	74	56 - 136	.089	89	18	30	J
delta-BHC	ug/L	0.10	.075	75	52 - 142	.094	94	23	30	J
Heptachlor	ug/L	0.10	.069	69	54 - 130	.082	82	17	30	J

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

QC Batch: GCSj/5600 **Analysis Method:** EPA 8081
Preparation Method: SW-846 3510C
Associated Lab IDs: F2307128001, F2307128002, F2307128003, F2307128004, F2307128005, F2307128006

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Aldrin	ug/L	0.10	.12	117	45 - 134	.11	114	3	30	J
Heptachlor Epoxide	ug/L	0.10	.065	65	61 - 133	.077	77	17	30	J
Endosulfan I	ug/L	0.10	.076	76	62 - 126	.091	91	19	30	J
4,4`-DDE	ug/L	0.10	.074	74	57 - 135	.085	85	14	30	J
Dieldrin	ug/L	0.10	.08	80	60 - 136	.094	94	16	30	J
Endrin	ug/L	0.10	.07	70	60 - 138	.085	85	20	30	J
4,4`-DDD	ug/L	0.10	.07	70	56 - 143	.088	88	23	30	J
Endosulfan II	ug/L	0.10	.068	68	52 - 135	.083	83	20	30	J
Endrin Aldehyde	ug/L	0.10	.058	58	51 - 132	.071	71	21	30	J
4,4`-DDT	ug/L	0.10	.06	60	51 - 143	.076	76	24	30	J
Endosulfan Sulfate	ug/L	0.10	.082	82	62 - 133	.1	100	19	30	J
Methoxychlor	ug/L	0.10	.11	111	54 - 145	.13	129	15	30	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Decachlorobiphenyl (S)	mg/L	0.0005	0.00036	72	48 - 137	0.00043	86	17		J
Tetrachloro-m-xylene (S)	mg/L	0.0010	0.00058	58	44 - 124	0.00077	77	28		J

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

QC Results

QC Batch: GCSj/5601 **Analysis Method:** SW-846 8082A
Preparation Method: SW-846 3510C
Associated Lab IDs: F2307128001, F2307128002, F2307128003, F2307128004, F2307128005, F2307128006

Method Blank(5032907)

Parameter	Results	Units	PQL	MDL	Lab
Aroclor 1016 (PCB-1016)	0.12 U	ug/L	0.50	0.12	J
Aroclor 1221 (PCB-1221)	0.12 U	ug/L	0.50	0.12	J
Aroclor 1232 (PCB-1232)	0.12 U	ug/L	0.50	0.12	J
Aroclor 1242 (PCB-1242)	0.12 U	ug/L	0.50	0.12	J
Aroclor 1248 (PCB-1248)	0.12 U	ug/L	0.50	0.12	J
Aroclor 1254 (PCB-1254)	0.12 U	ug/L	0.50	0.12	J
Aroclor 1260 (PCB-1260)	0.12 U	ug/L	0.50	0.12	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0005	0.000340	69	44 - 136	J^
Tetrachloro-m-xylene (S)	mg/L	0.0010	0.000660	66	61 - 119	J^

Lab Control Sample (5032908); Lab Control Sample Duplicate (5032909); Parent Lab Sample (F2307128001, F2307128002, F2307128003, F2307128004, F2307128005, F2307128006)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Aroclor 1016 (PCB-1016)	ug/L	1	1.1	112	46 - 129	.79	79	**34**	30	J
Aroclor 1260 (PCB-1260)	ug/L	1	.8	80	45 - 134	.74	74	8	30	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Decachlorobiphenyl (S)	mg/L	0.0005	0.00035	70	44 - 136	0.0003	60	16		J^
Tetrachloro-m-xylene (S)	mg/L	0.0010	0.00075	75	61 - 119	0.00068	68	10		J^

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

QC Results

QC Batch: GCSj/5604 **Analysis Method:** EPA 8151
Preparation Method: 8151
Associated Lab IDs: F2307128001, F2307128002, F2307128003, F2307128004, F2307128005, F2307128006

Method Blank(5033175)

Parameter	Results	Units	PQL	MDL	Lab
Dalapon	8.0 U	ug/L	32	8.0	J
Dicamba	1.0 U	ug/L	4.0	1.0	J
Dichloroprop	2.0 U	ug/L	8.0	2.0	J
2,4-D	2.0 U	ug/L	8.0	2.0	J
Pentachlorophenol	0.30 U	ug/L	1.0	0.30	J
Silvex (2,4,5-TP)	1.0 U	ug/L	4.0	1.0	J
2,4,5-T	2.0 U	ug/L	8.0	2.0	J
2,4-DB	2.0 U	ug/L	8.0	2.0	J
Dinoseb	0.70 U	ug/L	2.8	0.70	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2,4-Dichlorophenylacetic acid (S)	mg/L	0.10	0.10	101	41 - 122	J^

Lab Control Sample (5033176); Lab Control Sample Duplicate (5033177); Parent Lab Sample (F2307128001, F2307128002, F2307128003, F2307128004, F2307128005, F2307128006)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Dalapon	ug/L	40	29	73	19 - 139	35	87	18	30	J
Dicamba	ug/L	8	9	113	50 - 141	9.8	123	9	30	J
Dichloroprop	ug/L	24	17	71	46 - 159	18	77	8	30	J
2,4-D	ug/L	24	20	81	45 - 152	11	48	**52**	30	J
Pentachlorophenol	ug/L	4	3.4	84	56 - 139	3.7	92	8	30	J
Silvex (2,4,5-TP)	ug/L	8	6.6	83	51 - 134	7.1	88	7	30	J
2,4,5-T	ug/L	8	6.3	78	42 - 147	7.3	91	15	30	J
2,4-DB	ug/L	24	23	95	45 - 152	23	97	2	30	J
Dinoseb	ug/L	8	4.6	57	39 - 160	5.5	69	19	30	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
2,4-Dichlorophenylacetic acid (S	mg/L	0.10	0.12	116	41 - 122	0.11	113	2	30	J^

Matrix Spike (5033178); Original (T2321816001); Parent Lab Sample (T2321816001)

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

QC Batch: GCSj/5604 **Analysis Method:** EPA 8151
Preparation Method: 8151
Associated Lab IDs: F2307128001, F2307128002, F2307128003, F2307128004, F2307128005, F2307128006

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Dalapon	ug/L	40	45	111	19 - 139	J
Dicamba	ug/L	8	6	75	50 - 141	J
Dichloroprop	ug/L	24	30	125	46 - 159	J
2,4-D	ug/L	24	26	106	45 - 152	J
Pentachlorophenol	ug/L	4	4.5	112	56 - 139	J
Silvex (2,4,5-TP)	ug/L	8	9.2	115	51 - 134	J
2,4,5-T	ug/L	8	7.9	99	42 - 147	J
2,4-DB	ug/L	24	30	125	45 - 152	J
Dinoseb	ug/L	8	10	126	39 - 160	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2,4-Dichlorophenylacetic acid (S)	mg/L	0.10	0.10	105	41 - 122	J^

QC Result Comments

Lab Control Sample Duplicate - 5033177 - 2,4-D

J3|Lab QC Failure

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

QC Results

QC Batch: GCSj/5607 **Analysis Method:** EPA 8141
Preparation Method: SW-846 3510C
Associated Lab IDs: F2307128001, F2307128002, F2307128003, F2307128004, F2307128005, F2307128006

Method Blank(5032910)

Parameter	Results	Units	PQL	MDL	Lab
Mevinphos	0.055 U	ug/L	0.20	0.055	J
Demeton	0.060 U	ug/L	0.20	0.060	J
Ethoprop	0.047 U	ug/L	0.20	0.047	J
Phorate	0.044 U	ug/L	0.20	0.044	J
Diazinon	0.055 U	ug/L	0.20	0.055	J
Disulfoton	0.041 U	ug/L	0.20	0.041	J
Ronnel	0.048 U	ug/L	0.20	0.048	J
Methyl Parathion	0.054 U	ug/L	0.20	0.054	J
Chlorpyrifos	0.041 U	ug/L	0.20	0.041	J
Merphos	0.057 U	ug/L	0.20	0.057	J
Fensulfothion	0.047 U	ug/L	0.20	0.047	J
Azinphos-methyl	0.057 U	ug/L	0.20	0.057	J
Dimethoate	0.054 U	ug/L	0.20	0.054	J
Fonophos	0.050 U	ug/L	0.20	0.050	J
Chlorpyrifos-methyl	0.060 U	ug/L	0.20	0.060	J
Malathion	0.073 U	ug/L	0.20	0.073	J
Parathion (Ethyl)	0.064 U	ug/L	0.20	0.064	J
Ethion	0.069 U	ug/L	0.20	0.069	J
Famphur	0.11 U	ug/L	0.20	0.11	J
Phosmet	0.076 U	ug/L	0.20	0.076	J
Atrazine	0.071 U	ug/L	0.20	0.071	J
Simazine	0.072 U	ug/L	0.20	0.072	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Tributylphosphate (S)	mg/L	0.0010	0.000590	59	48.50 - 121	J

Lab Control Sample (5032911); Lab Control Sample Duplicate (5032912); Parent Lab Sample (F2307128001, F2307128002, F2307128003, F2307128004, F2307128005, F2307128006)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Mevinphos	ug/L	0.50	.47	95	37 - 171	.44	87	8	30	J
Demeton	ug/L	0.50	.43	85	25 - 128	.38	76	12	30	J
Ethoprop	ug/L	0.50	.44	88	52 - 125	.39	78	12	30	J

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

QC Batch: GCSj/5607 **Analysis Method:** EPA 8141
Preparation Method: SW-846 3510C
Associated Lab IDs: F2307128001, F2307128002, F2307128003, F2307128004, F2307128005, F2307128006

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Phorate	ug/L	0.50	.44	87	23 - 139	.39	78	11	30	J
Diazinon	ug/L	0.50	.45	90	43 - 129	.39	79	13	30	J
Disulfoton	ug/L	0.50	.43	86	36 - 134	.37	74	16	30	J
Ronnel	ug/L	0.50	.42	84	42 - 133	.37	75	12	30	J
Methyl Parathion	ug/L	0.50	.44	89	49 - 134	.39	79	12	30	J
Chlorpyrifos	ug/L	0.50	.43	87	47 - 133	.38	77	12	30	J
Merphos	ug/L	0.50	.41	82	26 - 133	.37	74	10	30	J
Fensulfothion	ug/L	0.50	.48	95	24 - 160	.46	93	3	30	J
Azinphos-methyl	ug/L	0.50	.49	99	43 - 135	.49	97	2		J
Dimethoate	ug/L	0.50	.56	112	26 - 125	.51	102	9	30	J
Fonophos	ug/L	0.50	.5	99	54 - 122	.44	88	12	30	J
Chlorpyrifos-methyl	ug/L	0.50	.44	89	51 - 133	.39	79	12	30	J
Malathion	ug/L	0.50	.47	93	44 - 132	.42	83	11	30	J
Parathion (Ethyl)	ug/L	0.50	.46	91	52 - 134	.41	83	10	30	J
Ethion	ug/L	0.50	.45	91	42 - 145	.42	83	8	30	J
Famphur	ug/L	0.50	.48	96	38 - 183	.46	93	3	30	J
Phosmet	ug/L	0.50	.44	87	44 - 164	.43	86	2	30	J
Atrazine	ug/L	0.50	.46	91	45 - 120	.42	84	8	30	J
Simazine	ug/L	0.50	.32	63	51 - 136	.3	59	7	30	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Tributylphosphate (S)	mg/L	0.0010	0.00071	71	48.50 - 1	0.00064	64	11	30	J

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

QC Results

QC Batch: GCSt/3984 **Analysis Method:** FL-PRO
Preparation Method: FL-PRO
Associated Lab IDs: F2307128001, F2307128002, F2307128003, F2307128004, F2307128005, F2307128006

Method Blank(5030465)

Parameter	Results	Units	PQL	MDL	Lab
TPH	0.57 U	mg/L	0.68	0.57	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Nonatricontane-C39 (S)	mg/L	0.60	0.34	57	40 - 129	T
o-Terphenyl (S)	mg/L	0.20	0.17	84	66 - 139	T

Lab Control Sample (5030466)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
TPH	mg/L	3.40	2.9	87	53 - 121	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Nonatricontane-C39 (S)	mg/L	0.60	0.52	87	40 - 129	T
o-Terphenyl (S)	mg/L	0.20	0.19	97	66 - 139	T

Matrix Spike (5032682); Matrix Spike Duplicate (5032683); Original (G2310768003); Parent Lab Sample (G2310768003)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
TPH	mg/L	3.40	2.9	86	53 - 121	3.1	91	6	20	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Nonatricontane-C39 (S)	mg/L	0.60	0.53	88	40 - 129	0.59	98	11	20	T
o-Terphenyl (S)	mg/L	0.20	0.18	89	66 - 139	0.18	92	4	20	T

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

QC Results

QC Batch: HPLj/2303 **Analysis Method:** AEL SOP-041/LCMSMS
Preparation Method: AEL SOP-041/LCMSMS
Associated Lab IDs: F2307128001, F2307128002, F2307128003, F2307128004, F2307128005, F2307128006

Method Blank(5053727)

Parameter	Results	Units	PQL	MDL	Lab
ADONA	1.0 U	ng/L	4.0	1.0	J
11Cl-PF3OUdS	1.0 U	ng/L	4.0	1.0	J
9Cl-PF3ONS	1.0 U	ng/L	4.0	1.0	J
4:2 FTS	1.0 U	ng/L	4.0	1.0	J
6:2 FTS	1.0 U	ng/L	4.0	1.0	J
8:2 FTS	1.0 U	ng/L	4.0	1.0	J
HFPO-DA	1.0 U	ng/L	4.0	1.0	J
NFDHA	1.0 U	ng/L	4.0	1.0	J
PFBS	1.0 U	ng/L	4.0	1.0	J
PFBA	1.0 U	ng/L	4.0	1.0	J
PFDA	1.0 U	ng/L	4.0	1.0	J
PFDoA	1.0 U	ng/L	4.0	1.0	J
PFHpS	1.0 U	ng/L	4.0	1.0	J
PFHpA	1.0 U	ng/L	4.0	1.0	J
PFHxS	1.0 U	ng/L	4.0	1.0	J
PFHxA	1.0 U	ng/L	4.0	1.0	J
PFMBA	1.0 U	ng/L	4.0	1.0	J
PFMPA	1.0 U	ng/L	4.0	1.0	J
PFNA	1.0 U	ng/L	4.0	1.0	J
PFOS	1.0 U	ng/L	4.0	1.0	J
PFOA	1.0 U	ng/L	4.0	1.0	J
PFPeS	1.0 U	ng/L	4.0	1.0	J
PFPeA	1.0 U	ng/L	4.0	1.0	J
PFUnA	1.0 U	ng/L	4.0	1.0	J
PFEESA	1.0 U	ng/L	4.0	1.0	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
13C2-4:2FTS (S)	ng/mL	0.01	0.01	103	50 - 150	J
13C2-6:2FTS (S)	ng/mL	0.01	0.0097	97.20	50 - 150	J
13C2-8:2FTS (S)	ng/mL	0.01	0.0088	88.30	50 - 150	J
13C2-PFDOA (S)	ng/mL	0.0040	0.0021	51.70	50 - 150	J

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

QC Batch: HPLj/2303 **Analysis Method:** AEL SOP-041/LCMSMS
Preparation Method: AEL SOP-041/LCMSMS
Associated Lab IDs: F2307128001, F2307128002, F2307128003, F2307128004, F2307128005, F2307128006

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
13C3-HFPO-DA (S)	ng/mL	0.0040	0.0035	86.90	50 - 150	J
13C3-PFBS (S)	ng/mL	0.0040	0.0039	96.80	50 - 150	J
13C3-PFHXS (S)	ng/mL	0.0040	0.0036	88.90	50 - 150	J
13C4-PFBA (S)	ng/mL	0.0040	0.0034	85.50	50 - 150	J
13C4-PFHPA (S)	ng/mL	0.0040	0.0038	94.10	50 - 150	J
13C5-PFHXA (S)	ng/mL	0.0040	0.0034	85.50	50 - 150	J
13C5-PFPEA (S)	ng/mL	0.0040	0.0032	80.70	50 - 150	J
13C6-PFDA (S)	ng/mL	0.0040	0.0034	84.90	50 - 150	J
13C7-PFUNA (S)	ng/mL	0.0040	0.0027	68.40	50 - 150	J
13C8-PFOA (S)	ng/mL	0.0040	0.0033	82.50	50 - 150	J
13C8-PFOS (S)	ng/mL	0.0040	0.0037	92.70	50 - 150	J
13C9-PFNA (S)	ng/mL	0.0040	0.0035	88.40	50 - 150	J

Mid Lab Control Sample (5053728); Mid Lab Control Sample Dup (5053729)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
ADONA	ng/L	3.80	3.3	88.4	70 - 130	3.2	84.6	4.40	20	J
11Cl-PF3OUdS	ng/L	3.80	4	105	70 - 130	3	80.5	**26.40**	20	J
9Cl-PF3ONS	ng/L	3.70	4	107	70 - 130	3.7	98.9	7.60	20	J
4:2 FTS	ng/L	3.70	4	107	63 - 143	4.3	114	6.20	20	J
6:2 FTS	ng/L	3.80	3.5	93.1	64 - 140	4.4	115	**21.30**	20	J
8:2 FTS	ng/L	3.80	3.7	96.3	67 - 138	4.4	115	18.10	20	J
HFPO-DA	ng/L	4	3.5	87.3	70 - 130	4.8	119	**30.70**	20	J
NFDHA	ng/L	4	3.7	93.2	70 - 130	3.9	97.1	4.10	20	J
PFBS	ng/L	3.50	3.4	96.9	72 - 130	3.5	98.3	1.40	20	J
PFBA	ng/L	4	4.8	121	73 - 129	4.7	118	2	20	J
PFDA	ng/L	4	4.2	105	71 - 129	4.1	103	2	20	J
PFDoA	ng/L	4	4.2	106	72 - 134	5.3	132	**21.60**	20	J
PFHpS	ng/L	3.80	4.7	122	69 - 134	4.5	119	3.20	20	J
PFHpA	ng/L	4	3.7	92.6	72 - 130	3.6	89.3	3.70	20	J
PFHxS	ng/L	3.70	3.1	85.4	68 - 131	3.3	90.5	5.80	20	J
PFHxA	ng/L	4	4.3	106	72 - 129	4.6	115	7.30	20	J
PFMBA	ng/L	4	3.3	82.7	70 - 130	3.3	82.4	0.29	20	J
PFMPA	ng/L	4	3.3	83.3	70 - 130	3.3	82	1.60	20	J

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

QC Batch: HPLj/2303 **Analysis Method:** AEL SOP-041/LCMSMS
Preparation Method: AEL SOP-041/LCMSMS
Associated Lab IDs: F2307128001, F2307128002, F2307128003, F2307128004, F2307128005, F2307128006

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
PFNA	ng/L	4	4.4	110	69 - 130	3.8	94.2	15.10	20	J
PFOS	ng/L	3.70	4.6	125	65 - 140	4.1	110	12.90	20	J
PFOA	ng/L	4	5.3	130	71 - 133	5.1	130	3.90	20	J
PFPeS	ng/L	3.80	3.1	82.9	71 - 127	3.4	89.8	8	20	J
PFPeA	ng/L	4	4.6	110	72 - 129	4.6	120	1.10	20	J
PFUnA	ng/L	4	4	99.3	69 - 133	4.6	115	14.50	20	J
PFEESA	ng/L	3.60	2.8	77.7	70 - 130	2.9	80.2	3.20	20	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
13C2-4:2FTS (S)	ng/m	0.01	0.0110	114	50 - 150	0.0110	110	3.50		J
13C2-6:2FTS (S)	ng/m	0.01	0.0130	128	50 - 150	0.0120	124	3.60		J
13C2-8:2FTS (S)	ng/m	0.01	0.0110	110	50 - 150	0.0120	118	7.10		J
13C2-PFDOA (S)	ng/m	0.0040	0.0028	70.40	50 - 150	0.0027	68.20	3.20		J
13C3-HFPO-DA (S)	ng/m	0.0040	0.0042	106	50 - 150	0.0038	95.90	9.60		J
13C3-PFBS (S)	ng/m	0.0040	0.0038	96.10	50 - 150	0.0043	106	10.20		J
13C3-PFHXS (S)	ng/m	0.0040	0.0044	111	50 - 150	0.0046	115	3.20		J
13C4-PFBA (S)	ng/m	0.0040	0.0038	96.10	50 - 150	0.0038	93.90	2.30		J
13C4-PFHPA (S)	ng/m	0.0040	0.0041	101	50 - 150	0.0045	113	10.40		J
13C5-PFHXA (S)	ng/m	0.0040	0.0038	94.10	50 - 150	0.0036	90	4.50		J
13C5-PFPEA (S)	ng/m	0.0040	0.0037	91.60	50 - 150	0.0035	88.40	3.50		J
13C6-PFDA (S)	ng/m	0.0040	0.0036	90.40	50 - 150	0.0041	102	12.40		J
13C7-PFUNA (S)	ng/m	0.0040	0.0032	79.60	50 - 150	0.0036	89.50	11.70		J
13C8-PFOA (S)	ng/m	0.0040	0.0039	96.50	50 - 150	0.0040	101	4.10		J
13C8-PFOS (S)	ng/m	0.0040	0.0033	83.70	50 - 150	0.0043	108	25.30		J
13C9-PFNA (S)	ng/m	0.0040	0.0039	97.60	50 - 150	0.0043	108	9.70		J

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

QC Results

QC Batch: ICPt/4296 **Analysis Method:** SW-846 6010
Preparation Method: SW-846 3010A
Associated Lab IDs: F2307128001, F2307128002, F2307128003, F2307128004, F2307128005, F2307128006

Method Blank(5052634)

Parameter	Results	Units	PQL	MDL	Lab
Silver	0.0080 U	mg/L	0.010	0.0080	T
Arsenic	8.0 U	ug/L	10	8.0	T
Barium	0.0030 U	mg/L	0.010	0.0030	T
Calcium	0.20 U	mg/L	1.0	0.20	T
Cadmium	1.0 U	ug/L	2.0	1.0	T
Chromium	5.0 U	ug/L	10	5.0	T
Iron	0.0067 U	mg/L	0.10	0.0067	T
Potassium	0.50 U	mg/L	1.0	0.50	T
Manganese	0.0050 U	mg/L	0.010	0.0050	T
Sodium	0.80 U	mg/L	1.0	0.80	T
Lead	3.0 U	ug/L	10	3.0	T
Selenium	0.020 U	mg/L	0.10	0.020	T
Zinc	0.050 U	mg/L	0.10	0.050	T

Lab Control Sample (5052635)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Silver	mg/L	0.10	.098	98	80 - 120	T
Arsenic	ug/L	1000	880	88	80 - 120	T
Barium	mg/L	1	.9	90	80 - 120	T
Calcium	mg/L	10	9.9	99	80 - 120	T
Cadmium	ug/L	100	98	98	80 - 120	T
Chromium	ug/L	1000	950	95	80 - 120	T
Iron	mg/L	1	.88	88	80 - 120	T
Potassium	mg/L	10	9.8	98	80 - 120	T
Manganese	mg/L	1	.92	92	80 - 120	T
Sodium	mg/L	10	9.5	95	80 - 120	T
Lead	ug/L	1000	980	98	80 - 120	T
Selenium	mg/L	1	.86	86	80 - 120	T
Zinc	mg/L	1	.95	95	80 - 120	T

Matrix Spike (5052636); Matrix Spike Duplicate (5052637); Original (T2322865004); Parent Lab Sample (T2322865004)

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

QC Batch: ICPt/4296 **Analysis Method:** SW-846 6010
Preparation Method: SW-846 3010A
Associated Lab IDs: F2307128001, F2307128002, F2307128003, F2307128004, F2307128005, F2307128006

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Silver	mg/L	0.10	.097	97	75 - 125	.097	97	0	20	T
Arsenic	ug/L	1000	1000	103	75 - 125	1000	102	1	20	T
Barium	mg/L	1	1	102	75 - 125	1.1	103	1	20	T
Calcium	mg/L	10	110	**43**	75 - 125	110	**40**	0	20	T
Cadmium	ug/L	100	110	111	75 - 125	110	111	0	20	T
Chromium	ug/L	1000	1100	109	75 - 125	1100	109	0	20	T
Iron	mg/L	1	1	103	75 - 125	1	104	1	20	T
Potassium	mg/L	10	15	105	75 - 125	15	106	1	20	T
Manganese	mg/L	1	1.1	106	75 - 125	1.1	106	1	20	T
Sodium	mg/L	10	18	104	75 - 125	18	103	0	20	T
Lead	ug/L	1000	1100	111	75 - 125	1100	111	0	20	T
Selenium	mg/L	1	1	101	75 - 125	.99	99	2	20	T
Zinc	mg/L	1	1.1	109	75 - 125	1.1	109	1	20	T

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

QC Results

QC Batch: MSSj/3531 **Analysis Method:** SW-846 8270C
Preparation Method: SW-846 3510C
Associated Lab IDs: F2307128001, F2307128002, F2307128003, F2307128004, F2307128005, F2307128006

Method Blank(5030974)

Parameter	Results	Units	PQL	MDL	Lab
Phenol	0.54 U	ug/L	5.0	0.54	J
2-Chlorophenol	1.5 U	ug/L	5.0	1.5	J
2-Nitrophenol	0.63 U	ug/L	5.0	0.63	J
2,4-Dimethylphenol	2.6 U	ug/L	5.0	2.6	J
2,4-Dichlorophenol	0.90 U	ug/L	5.0	0.90	J
4-Chloro-3-methylphenol	0.63 U	ug/L	5.0	0.63	J
2,4,6-Trichlorophenol	1.4 U	ug/L	5.0	1.4	J
2,4-Dinitrophenol	1.1 U	ug/L	10	1.1	J
4-Nitrophenol	2.9 U	ug/L	10	2.9	J
2-Methyl-4,6-dinitrophenol	1.2 U	ug/L	10	1.2	J
Pentachlorophenol	0.95 U	ug/L	5.0	0.95	J
N-Nitrosodimethylamine	0.93 U	ug/L	5.0	0.93	J
bis(2-Chloroethyl)Ether	1.5 U	ug/L	5.0	1.5	J
1,3-Dichlorobenzene	1.0 U	ug/L	5.0	1.0	J
1,4-Dichlorobenzene	2.0 U	ug/L	5.0	2.0	J
1,2-Dichlorobenzene	1.4 U	ug/L	5.0	1.4	J
bis(2-Chloroisopropyl) Ether	1.4 U	ug/L	5.0	1.4	J
N-Nitrosodi-n-propylamine	2.2 U	ug/L	5.0	2.2	J
Hexachloroethane	1.2 U	ug/L	5.0	1.2	J
Nitrobenzene	1.1 U	ug/L	5.0	1.1	J
Isophorone	1.1 U	ug/L	5.0	1.1	J
bis(2-Chloroethoxy)methane	1.2 U	ug/L	5.0	1.2	J
1,2,4-Trichlorobenzene	0.69 U	ug/L	5.0	0.69	J
Naphthalene	0.048 U	ug/L	5.0	0.048	J
Hexachlorobutadiene	1.3 U	ug/L	5.0	1.3	J
2-Methylnaphthalene	0.049 U	ug/L	5.0	0.049	J
1-Methylnaphthalene	0.050 U	ug/L	5.0	0.050	J
Hexachlorocyclopentadiene	1.0 U	ug/L	5.0	1.0	J
2-Chloronaphthalene	1.7 U	ug/L	5.0	1.7	J
Dimethyl phthalate	1.8 U	ug/L	5.0	1.8	J
2,6-Dinitrotoluene (2,6-DNT)	2.0 U	ug/L	5.0	2.0	J

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

QC Batch: MSSj/3531 **Analysis Method:** SW-846 8270C
Preparation Method: SW-846 3510C
Associated Lab IDs: F2307128001, F2307128002, F2307128003, F2307128004, F2307128005, F2307128006

Parameter	Results	Units	PQL	MDL	Lab
Acenaphthylene	0.042 U	ug/L	5.0	0.042	J
Acenaphthene	0.040 U	ug/L	5.0	0.040	J
2,4-Dinitrotoluene (2,4-DNT)	1.8 U	ug/L	5.0	1.8	J
Diethyl phthalate	2.1 U	ug/L	5.0	2.1	J
Fluorene	0.038 U	ug/L	5.0	0.038	J
4-Chlorophenyl Phenyl Ether	1.6 U	ug/L	5.0	1.6	J
1,2-Diphenylhydrazine	0.96 U	ug/L	5.0	0.96	J
4-Bromophenyl Phenyl Ether	1.1 U	ug/L	5.0	1.1	J
Hexachlorobenzene	0.99 U	ug/L	5.0	0.99	J
Phenanthrene	0.040 U	ug/L	5.0	0.040	J
Anthracene	0.035 U	ug/L	5.0	0.035	J
Di-n-Butyl Phthalate	0.88 U	ug/L	5.0	0.88	J
Fluoranthene	0.037 U	ug/L	5.0	0.037	J
Benzidine	1.2 U	ug/L	5.0	1.2	J
Pyrene	0.036 U	ug/L	5.0	0.036	J
Butyl benzyl phthalate	1.1 U	ug/L	5.0	1.1	J
Benzo[a]anthracene	0.012 U	ug/L	5.0	0.012	J
3,3`-Dichlorobenzidine	1.3 U	ug/L	5.0	1.3	J
Chrysene	0.033 U	ug/L	5.0	0.033	J
bis(2-Ethylhexyl) phthalate	2.0 U	ug/L	5.0	2.0	J
Di-n-octyl Phthalate	1.2 U	ug/L	5.0	1.2	J
Benzo[b]fluoranthene	0.012 U	ug/L	5.0	0.012	J
Benzo[k]fluoranthene	0.048 U	ug/L	5.0	0.048	J
Benzo[a]pyrene	0.037 U	ug/L	5.0	0.037	J
Indeno(1,2,3-cd)pyrene	0.011 U	ug/L	5.0	0.011	J
Dibenzo[a,h]anthracene	0.024 U	ug/L	5.0	0.024	J
Benzo[g,h,i]perylene	0.048 U	ug/L	5.0	0.048	J
N-Nitrosodiphenylamine	2.1 U	ug/L	10	2.1	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2,4,6-Tribromophenol (S)	mg/L	0.05	0.0580	116	48 - 147	J
2-Fluorobiphenyl (S)	mg/L	0.05	0.0550	109	42 - 138	J
2-Fluorophenol (S)	mg/L	0.05	0.06	119	31 - 134	J

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

QC Batch: MSSj/3531 **Analysis Method:** SW-846 8270C
Preparation Method: SW-846 3510C
Associated Lab IDs: F2307128001, F2307128002, F2307128003, F2307128004, F2307128005, F2307128006

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Nitrobenzene-d5 (S)	mg/L	0.05	0.06	120	38 - 139	J
Phenol-d6 (S)	mg/L	0.05	0.0540	108	24 - 120	J
p-Terphenyl-d14 (S)	mg/L	0.05	0.0510	102	61 - 154	J

Lab Control Sample (5030975); Lab Control Sample Duplicate (5030976); Parent Lab Sample (F2307128001, F2307128002, F2307128003, F2307128004, F2307128005, F2307128006)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
N-Nitrosodimethylamine	ug/L	50	25	51		24	48	6		J
Phenol	ug/L	50	28	56	19 - 106	26	52	8	20	J
bis(2-Chloroethyl)Ether	ug/L	50	38	77		37	74	4		J
2-Chlorophenol	ug/L	50	41	81		39	77	5		J
1,3-Dichlorobenzene	ug/L	50	32	64		29	58	11		J
1,4-Dichlorobenzene	ug/L	50	34	69	29 - 112	31	63	9	20	J
1,2-Dichlorobenzene	ug/L	50	34	68		32	64	6		J
bis(2-Chloroisopropyl) Ethe	ug/L	50	37	73		33	66	10		J
N-Nitrosodi-n-propylamine	ug/L	50	39	78		35	70	12		J
Hexachloroethane	ug/L	50	38	77	21 - 115	35	70	9	20	J
Nitrobenzene	ug/L	50	43	86	45 - 121	40	80	8	20	J
Isophorone	ug/L	50	41	82		38	75	9		J
2-Nitrophenol	ug/L	50	53	106		51	102	4		J
2,4-Dimethylphenol	ug/L	50	43	86		40	80	7		J
bis(2-Chloroethoxy)methan	ug/L	50	41	82		38	76	7		J
2,4-Dichlorophenol	ug/L	50	40	80	47 - 121	38	75	7	20	J
1,2,4-Trichlorobenzene	ug/L	50	37	74		34	68	8		J
Naphthalene	ug/L	50	38	76		36	71	7		J
Hexachlorobutadiene	ug/L	50	35	71	22 - 124	34	68	4	20	J
4-Chloro-3-methylphenol	ug/L	50	51	102	52 - 119	46	93	9	20	J
2-Methylnaphthalene	ug/L	50	36	72		33	66	8		J
1-Methylnaphthalene	ug/L	50	39	78		35	70	11		J
Hexachlorocyclopentadiene	ug/L	50	56	112		52	103	8		J
2,4,6-Trichlorophenol	ug/L	50	46	91	50 - 125	44	88	3	20	J
2-Chloronaphthalene	ug/L	50	39	77		34	68	12		J
Dimethyl phthalate	ug/L	50	41	82		40	79	4		J
2,6-Dinitrotoluene (2,6-DNT	ug/L	50	49	98		45	91	7		J

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

QC Batch: MSSj/3531 **Analysis Method:** SW-846 8270C
Preparation Method: SW-846 3510C
Associated Lab IDs: F2307128001, F2307128002, F2307128003, F2307128004, F2307128005, F2307128006

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Acenaphthylene	ug/L	50	41	82		37	75	9		J
Acenaphthene	ug/L	50	39	77	47 - 122	36	72	7	20	J
2,4-Dinitrophenol	ug/L	50	66	131		61	122	7		J
2,4-Dinitrotoluene (2,4-DNT	ug/L	50	52	103	57 - 128	47	93	10	20	J
4-Nitrophenol	ug/L	50	41	83		38	76	9		J
Diethyl phthalate	ug/L	50	43	87		39	79	10		J
Fluorene	ug/L	50	40	81	52 - 124	37	75	8	20	J
4-Chlorophenyl Phenyl Eth	ug/L	50	42	85		37	75	12		J
2-Methyl-4,6-dinitrophenol	ug/L	50	66	133		63	126	5		J
N-Nitrosodiphenylamine	ug/L	50	38	76		34	69	10		J
1,2-Diphenylhydrazine	ug/L	50	45	90		43	85	6		J
4-Bromophenyl Phenyl Eth	ug/L	50	45	91		42	84	7		J
Hexachlorobenzene	ug/L	50	45	90	53 - 125	41	81	10	20	J
Pentachlorophenol	ug/L	50	54	107	35 - 138	53	105	2	20	J
Phenanthrene	ug/L	50	41	83		39	77	7		J
Anthracene	ug/L	50	40	81		38	76	6		J
Di-n-Butyl Phthalate	ug/L	50	48	95		45	90	6		J
Fluoranthene	ug/L	50	45	91	57 - 128	42	84	7	20	J
Pyrene	ug/L	50	43	87		40	81	7		J
Butyl benzyl phthalate	ug/L	50	49	98		46	92	7		J
Benzo[a]anthracene	ug/L	50	46	91		42	84	8		J
Chrysene	ug/L	50	45	90		42	84	7		J
bis(2-Ethylhexyl) phthalate	ug/L	50	48	97	55 - 135	49	98	1	20	J
Di-n-octyl Phthalate	ug/L	50	48	97		47	94	3		J
Benzo[b]fluoranthene	ug/L	50	50	100		47	93	7		J
Benzo[k]fluoranthene	ug/L	50	44	89		42	85	5		J
Benzo[a]pyrene	ug/L	50	49	98	54 - 128	46	92	7	20	J
Indeno(1,2,3-cd)pyrene	ug/L	50	52	105		49	98	7		J
Dibenzo[a,h]anthracene	ug/L	50	52	104		50	99	5		J
Benzo[g,h,i]perylene	ug/L	50	53	106		49	98	8		J
Benzidine	ug/L	50	26	53		27	53	1		J
3,3`-Dichlorobenzidine	ug/L	50	45	91		42	84	7		J

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

QC Batch: MSSj/3531 **Analysis Method:** SW-846 8270C
Preparation Method: SW-846 3510C
Associated Lab IDs: F2307128001, F2307128002, F2307128003, F2307128004, F2307128005, F2307128006

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
2,4,6-Tribromophenol (S)	mg/L	0.05	0.0680	135	48 - 147	0.0630	126	7		J
2-Fluorobiphenyl (S)	mg/L	0.05	0.0490	98	42 - 138	0.0440	88	12		J
2-Fluorophenol (S)	mg/L	0.05	0.0410	81	31 - 134	0.0370	74	9		J
Nitrobenzene-d5 (S)	mg/L	0.05	0.0550	109	38 - 139	0.0520	104	5		J
Phenol-d6 (S)	mg/L	0.05	0.03	61	24 - 120	0.0280	56	7		J
p-Terphenyl-d14 (S)	mg/L	0.05	0.0540	109	61 - 154	0.05	100	8		J

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

QC Results

QC Batch: MSVt/7942
Preparation Method: SW-846 5030B
Associated Lab IDs: F2307128004, F2307128005
Analysis Method: SW-846 8260D

Method Blank(5042422)

Parameter	Results	Units	PQL	MDL	Lab
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	T
Chloromethane	0.39 U	ug/L	1.0	0.39	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	T
Bromomethane	0.32 U	ug/L	1.0	0.32	T
Chloroethane	0.42 U	ug/L	1.0	0.42	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	T
Chloroform	0.37 U	ug/L	1.0	0.37	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	T
Benzene	0.28 U	ug/L	1.0	0.28	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	T
Toluene	0.66 U	ug/L	1.0	0.66	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	T

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

QC Batch: MSVt/7942
Preparation Method: SW-846 5030B
Associated Lab IDs: F2307128004, F2307128005

Analysis Method: SW-846 8260D

Parameter	Results	Units	PQL	MDL	Lab
Bromoform	0.36 U	ug/L	1.0	0.36	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	55	111	70 - 128	T
Bromofluorobenzene (S)	ug/L	50	60	120	86 - 123	T
Toluene-d8 (S)	ug/L	50	58	116	77 - 119	T

Lab Control Sample (5042423); Lab Control Sample Duplicate (5042424); Parent Lab Sample (F2307128004, F2307128005)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Dichlorodifluoromethane	ug/L	20	23	113	32 - 152	23	113	1	20	T
Chloromethane	ug/L	20	20	102	50 - 139	20	101	1	20	T
Vinyl Chloride	ug/L	20	22	109	58 - 137	22	108	1	20	T
Bromomethane	ug/L	20	22	109	10 - 150	22	109	0	20	T
Chloroethane	ug/L	20	21	105	60 - 138	23	114	8	20	T
Trichlorofluoromethane	ug/L	20	18	89	65 - 141	18	90	1	20	T
Acrolein (Propenal)	ug/L	100	89	89	39 - 155	88	88	2	20	T
1,1-Dichloroethylene	ug/L	20	20	101	71 - 131	20	99	2	20	T
Acrylonitrile	ug/L	20	19	96	63 - 135	20	98	3	20	T
Methylene Chloride	ug/L	20	16	80	74 - 124	19	95	16	20	T
trans-1,2-Dichloroethylene	ug/L	20	20	100	75 - 124	20	98	2	20	T
Methyl tert-butyl Ether (MT	ug/L	20	19	96	71 - 124	19	93	4	20	T
1,1-Dichloroethane	ug/L	20	20	101	77 - 125	20	99	1	20	T
cis-1,2-Dichloroethylene	ug/L	20	20	99	78 - 123	20	98	1	20	T
Chloroform	ug/L	20	19	95	79 - 124	19	93	2	20	T
1,2-Dichloroethane	ug/L	20	21	104	73 - 128	20	101	3	20	T
1,1,1-Trichloroethane	ug/L	20	19	93	74 - 131	18	89	4	20	T

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

QC Batch: MSVt/7942
Preparation Method: SW-846 5030B
Associated Lab IDs: F2307128004, F2307128005

Analysis Method: SW-846 8260D

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Carbon Tetrachloride	ug/L	20	18	88	72 - 136	18	89	2	20	T
Benzene	ug/L	20	19	95	79 - 120	18	92	3	20	T
1,2-Dichloropropane	ug/L	20	20	101	78 - 122	20	98	3	20	T
Trichloroethene	ug/L	20	19	96	79 - 123	18	92	4	20	T
Bromodichloromethane	ug/L	20	19	97	79 - 125	19	93	3	20	T
2-Chloroethyl Vinyl Ether	ug/L	20	20	100	10 - 150	22	108	8	20	T
cis-1,3-Dichloropropene	ug/L	20	19	96	75 - 124	19	93	3	20	T
trans-1,3-Dichloropropylene	ug/L	20	20	102	73 - 127	20	99	3	20	T
1,1,2-Trichloroethane	ug/L	20	18	88	80 - 119	17	84	4	20	T
Toluene	ug/L	20	20	99	80 - 121	20	100	1	20	T
Dibromochloromethane	ug/L	20	17	83	74 - 126	17	85	2	20	T
Tetrachloroethylene (PCE)	ug/L	20	17	83	74 - 129	17	83	0	20	T
Chlorobenzene	ug/L	20	17	87	82 - 118	17	86	0	20	T
Ethylbenzene	ug/L	20	20	102	79 - 121	20	101	0	20	T
Bromoform	ug/L	20	16	81	66 - 130	17	85	4	20	T
1,1,2,2-Tetrachloroethane	ug/L	20	18	92	71 - 121	19	95	3	20	T
Isopropylbenzene	ug/L	20	21	107	72 - 131	21	105	2	20	T
1,3,5-Trimethylbenzene	ug/L	20	21	107	75 - 124	21	106	1	20	T
1,2,4-Trimethylbenzene	ug/L	20	21	107	76 - 124	21	107	0	20	T
1,3-Dichlorobenzene	ug/L	20	20	98	80 - 119	19	94	4	20	T
1,4-Dichlorobenzene	ug/L	20	20	101	79 - 118	19	96	5	20	T
1,2-Dichlorobenzene	ug/L	20	20	98	80 - 119	19	94	4	20	T
Xylene (Total)	ug/L	60	61	101	79 - 121	61	102	1	20	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	49	99	70 - 128	50	100	2		T
Bromofluorobenzene (S)	ug/L	50	49	99	86 - 123	50	99	0		T
Toluene-d8 (S)	ug/L	50	45	89	77 - 119	47	94	5		T

Matrix Spike (5042425); Original (T2322171011); Parent Lab Sample (T2322171011)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Methyl tert-butyl Ether (MTBE)	ug/L	20	19	94	71 - 124	T
Benzene	ug/L	20	19	94	79 - 120	T

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

QC Batch: MSVt/7942
Preparation Method: SW-846 5030B
Associated Lab IDs: F2307128004, F2307128005

Analysis Method: SW-846 8260D

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Toluene	ug/L	20	21	104	80 - 121	T
Ethylbenzene	ug/L	20	21	106	79 - 121	T
Xylene (Total)	ug/L	60	63	106	79 - 121	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	48	96	70 - 128	T
Bromofluorobenzene (S)	ug/L	50	49	98	86 - 123	T
Toluene-d8 (S)	ug/L	50	46	92	77 - 119	T

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

QC Results

QC Batch: MSVt/7944 **Analysis Method:** SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: F2307128001, F2307128002, F2307128003, F2307128006

Method Blank(5042443)

Parameter	Results	Units	PQL	MDL	Lab
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	T
Chloromethane	0.39 U	ug/L	1.0	0.39	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	T
Bromomethane	0.32 U	ug/L	1.0	0.32	T
Chloroethane	0.42 U	ug/L	1.0	0.42	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	T
Chloroform	0.37 U	ug/L	1.0	0.37	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	T
Benzene	0.28 U	ug/L	1.0	0.28	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	T
Toluene	0.66 U	ug/L	1.0	0.66	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	T

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

QC Batch: MSVt/7944 **Analysis Method:** SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: F2307128001, F2307128002, F2307128003, F2307128006

Parameter	Results	Units	PQL	MDL	Lab
Bromoform	0.36 U	ug/L	1.0	0.36	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	57	115	70 - 128	T
Bromofluorobenzene (S)	ug/L	50	47	93	86 - 123	T
Toluene-d8 (S)	ug/L	50	55	110	77 - 119	T

Lab Control Sample (5042444); Lab Control Sample Duplicate (5042445); Parent Lab Sample (F2307128001, F2307128002, F2307128003, F2307128006)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Dichlorodifluoromethane	ug/L	20	17	83	32 - 152	19	93	11	20	T
Chloromethane	ug/L	20	22	112	50 - 139	21	106	6	20	T
Vinyl Chloride	ug/L	20	23	113	58 - 137	23	113	0	20	T
Bromomethane	ug/L	20	21	105	10 - 150	19	97	8	20	T
Chloroethane	ug/L	20	23	115	60 - 138	19	97	17	20	T
Trichlorofluoromethane	ug/L	20	19	96	65 - 141	18	92	4	20	T
Acrolein (Propenal)	ug/L	100	82	82	39 - 155	83	83	0	20	T
1,1-Dichloroethylene	ug/L	20	22	108	71 - 131	20	100	7	20	T
Acrylonitrile	ug/L	20	20	102	63 - 135	19	95	8	20	T
Methylene Chloride	ug/L	20	18	88	74 - 124	20	98	10	20	T
trans-1,2-Dichloroethylene	ug/L	20	21	107	75 - 124	20	99	8	20	T
Methyl tert-butyl Ether (MT	ug/L	20	20	100	71 - 124	19	96	4	20	T
1,1-Dichloroethane	ug/L	20	21	106	77 - 125	20	99	7	20	T
cis-1,2-Dichloroethylene	ug/L	20	21	103	78 - 123	20	98	5	20	T
Chloroform	ug/L	20	20	99	79 - 124	19	96	3	20	T
1,2-Dichloroethane	ug/L	20	22	111	73 - 128	21	105	5	20	T

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

QC Batch: MSVt/7944 **Analysis Method:** SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: F2307128001, F2307128002, F2307128003, F2307128006

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,1,1-Trichloroethane	ug/L	20	19	96	74 - 131	18	91	6	20	T
Carbon Tetrachloride	ug/L	20	18	89	72 - 136	18	89	1	20	T
Benzene	ug/L	20	20	100	79 - 120	19	93	8	20	T
1,2-Dichloropropane	ug/L	20	21	104	78 - 122	20	100	4	20	T
Trichloroethene	ug/L	20	20	100	79 - 123	19	94	6	20	T
Bromodichloromethane	ug/L	20	20	99	79 - 125	19	96	3	20	T
2-Chloroethyl Vinyl Ether	ug/L	20	21	105	10 - 150	22	108	4	20	T
cis-1,3-Dichloropropene	ug/L	20	20	98	75 - 124	19	93	5	20	T
trans-1,3-Dichloropropylene	ug/L	20	21	104	73 - 127	19	97	7	20	T
1,1,2-Trichloroethane	ug/L	20	18	92	80 - 119	17	86	7	20	T
Toluene	ug/L	20	21	106	80 - 121	22	108	2	20	T
Dibromochloromethane	ug/L	20	18	89	74 - 126	18	91	2	20	T
Tetrachloroethylene (PCE)	ug/L	20	17	85	74 - 129	17	83	2	20	T
Chlorobenzene	ug/L	20	18	92	82 - 118	19	93	2	20	T
Ethylbenzene	ug/L	20	22	108	79 - 121	22	111	3	20	T
Bromoform	ug/L	20	16	81	66 - 130	17	87	8	20	T
1,1,2,2-Tetrachloroethane	ug/L	20	19	96	71 - 121	20	98	2	20	T
Isopropylbenzene	ug/L	20	21	104	72 - 131	22	108	4	20	T
1,3,5-Trimethylbenzene	ug/L	20	20	102	75 - 124	22	108	6	20	T
1,2,4-Trimethylbenzene	ug/L	20	21	105	76 - 124	22	109	4	20	T
1,3-Dichlorobenzene	ug/L	20	18	90	80 - 119	19	95	5	20	T
1,4-Dichlorobenzene	ug/L	20	18	91	79 - 118	20	98	8	20	T
1,2-Dichlorobenzene	ug/L	20	18	88	80 - 119	19	93	5	20	T
Xylene (Total)	ug/L	60	57	96	79 - 121	59	99	3	20	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	57	115	70 - 128	52	105	9		T
Bromofluorobenzene (S)	ug/L	50	58	116	86 - 123	51	102	13		T
Toluene-d8 (S)	ug/L	50	56	112	77 - 119	51	101	10		T

Matrix Spike (5042446); Original (F2307290004); Parent Lab Sample (F2307290004)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Dichlorodifluoromethane	ug/L	20	16	80	32 - 152	T

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

QC Batch: MSVt/7944 **Analysis Method:** SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: F2307128001, F2307128002, F2307128003, F2307128006

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Chloromethane	ug/L	20	22	110	50 - 139	T
Vinyl Chloride	ug/L	20	23	115	10 - 150	T
Bromomethane	ug/L	20	21	106	10 - 150	T
Chloroethane	ug/L	20	22	112	60 - 138	T
Trichlorofluoromethane	ug/L	20	19	96	65 - 141	T
1,1-Dichloroethylene	ug/L	20	21	104	71 - 131	T
Methylene Chloride	ug/L	20	17	84	74 - 124	T
trans-1,2-Dichloroethylene	ug/L	20	20	102	75 - 124	T
Methyl tert-butyl Ether (MTBE)	ug/L	20	20	100	71 - 124	T
1,1-Dichloroethane	ug/L	20	20	102	77 - 125	T
cis-1,2-Dichloroethylene	ug/L	20	20	101	78 - 123	T
Chloroform	ug/L	20	20	99	79 - 124	T
1,2-Dichloroethane	ug/L	20	22	109	73 - 128	T
1,1,1-Trichloroethane	ug/L	20	19	95	74 - 131	T
Carbon Tetrachloride	ug/L	20	18	91	72 - 136	T
Benzene	ug/L	20	20	99	79 - 120	T
1,2-Dichloropropane	ug/L	20	21	105	78 - 122	T
Trichloroethene	ug/L	20	20	98	79 - 123	T
Bromodichloromethane	ug/L	20	20	100	79 - 125	T
2-Chloroethyl Vinyl Ether	ug/L	20	24	122	10 - 150	T
cis-1,3-Dichloropropene	ug/L	20	19	96	75 - 124	T
trans-1,3-Dichloropropylene	ug/L	20	20	102	73 - 127	T
1,1,2-Trichloroethane	ug/L	20	18	90	80 - 119	T
Toluene	ug/L	20	19	95	80 - 121	T
Dibromochloromethane	ug/L	20	17	83	74 - 126	T
Tetrachloroethylene (PCE)	ug/L	20	16	82	74 - 129	T
Chlorobenzene	ug/L	20	17	86	82 - 118	T
Ethylbenzene	ug/L	20	20	99	79 - 121	T
Bromoform	ug/L	20	17	86	66 - 130	T
1,1,2,2-Tetrachloroethane	ug/L	20	18	88	71 - 121	T
Isopropylbenzene	ug/L	20	22	109	72 - 131	T
1,3-Dichlorobenzene	ug/L	20	20	98	80 - 119	T
1,4-Dichlorobenzene	ug/L	20	20	101	79 - 118	T
1,2-Dichlorobenzene	ug/L	20	19	95	80 - 119	T

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

QC Batch: MSVt/7944 **Analysis Method:** SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: F2307128001, F2307128002, F2307128003, F2307128006

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Xylene (Total)	ug/L	60	60	100	79 - 121	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	59	118	70 - 128	T
Bromofluorobenzene (S)	ug/L	50	58	116	86 - 123	T
Toluene-d8 (S)	ug/L	50	52	104	77 - 119	T

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

QC Results

QC Batch: WCAf/4154 **Analysis Method:** EPA 300.0
Preparation Method: EPA 300.0
Associated Lab IDs: F2307128001, F2307128002, F2307128003, F2307128004, F2307128005, F2307128006

Lab Control Sample (5026455)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Chloride	mg/L	20	22	110	90 - 110	F
Nitrate (as N)	mg/L	2	2.2	110	90 - 110	F
Sulfate	mg/L	20	22	110	90 - 110	F

Method Blank(5026459)

Parameter	Results	Units	PQL	MDL	Lab
Chloride	0.12 U	mg/L	5.0	0.12	F
Nitrate (as N)	0.023 U	mg/L	0.50	0.023	F
Sulfate	0.076 U	mg/L	5.0	0.076	F

Matrix Spike (5026460); Matrix Spike Duplicate (5026461); Original (F2307127007); Parent Lab Sample (F2307127007)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Chloride	mg/L	20	43	100	90 - 110	43	100	0.37	10	F
Nitrate (as N)	mg/L	2	2.2	110	90 - 110	2.2	110	0.58	10	F
Sulfate	mg/L	20	40	100	90 - 110	40	100	0.0320	10	F

Method Blank(5026463)

Parameter	Results	Units	PQL	MDL	Lab
Chloride	0.12 U	mg/L	5.0	0.12	F
Nitrate (as N)	0.023 U	mg/L	0.50	0.023	F
Sulfate	0.076 U	mg/L	5.0	0.076	F

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

QC Results

QC Batch: WCAf/4171 **Analysis Method:** SM 2540 C
Preparation Method: SM 2540 C
Associated Lab IDs: F2307128001, F2307128002, F2307128003, F2307128004, F2307128005, F2307128006

Method Blank(5031732)

Parameter	Results	Units	PQL	MDL	Lab
Total Dissolved Solids	10 U	mg/L	10	10	F

Lab Control Sample (5031733)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Total Dissolved Solids	mg/L	660	620	93	85 - 115	F

Sample Duplicate (5031734); Original (F2306920012); Parent Lab Sample (F2307128001, F2307128002, F2307128003, F2307128004, F2307128005, F2307128006)

Parameter	Original	Duplicate	Units	RPD	RPD Limit	Lab
Total Dissolved Solids	6674	6536	mg/L	2	10	F

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

QC Results

QC Batch: WCAm/14091 **Analysis Method:** EPA 350.1
Preparation Method: EPA 350.1
Associated Lab IDs: F2307128001, F2307128002, F2307128003, F2307128004, F2307128005, F2307128006

Method Blank(5046318)

Parameter	Results	Units	PQL	MDL	Lab
Ammonia (N)	0.050 U	mg/L	0.10	0.050	M

Lab Control Sample (5046319)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Ammonia (N)	mg/L	0.50	.48	96	90 - 110	M

Matrix Spike (5046320); Matrix Spike Duplicate (5046321); Original (A2312428001); Parent Lab Sample (A2312428001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Ammonia (N)	mg/L	0.50	.96	**192**	90 - 110	.95	**190**	1	10	M

Matrix Spike (5046322); Matrix Spike Duplicate (5046323); Original (F2307128002); Parent Lab Sample (F2307128002)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Ammonia (N)	mg/L	0.50	.85	90	90 - 110	.86	92	1	10	M

QC Result Comments

Matrix Spike - 5046320 - Ammonia (N)

J4|Estimated Result

Matrix Spike Duplicate - 5046321 - Ammonia (N)

J4|Estimated Result

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
CVAt/2096 - SW-846 7470A			
F2307128001	MW-1	DGMt/6991	SW-846 7470A
F2307128002	MW-2	DGMt/6991	SW-846 7470A
F2307128003	MW-3	DGMt/6991	SW-846 7470A
F2307128004	MW-4	DGMt/6991	SW-846 7470A
F2307128005	MW-5	DGMt/6991	SW-846 7470A
F2307128006	MW-6	DGMt/6991	SW-846 7470A
GCSj/5600 - EPA 8081			
F2307128001	MW-1	EXTj/7699	SW-846 3510C
F2307128002	MW-2	EXTj/7699	SW-846 3510C
F2307128003	MW-3	EXTj/7699	SW-846 3510C
F2307128004	MW-4	EXTj/7699	SW-846 3510C
F2307128005	MW-5	EXTj/7699	SW-846 3510C
F2307128006	MW-6	EXTj/7699	SW-846 3510C
GCSj/5601 - SW-846 8082A			
F2307128001	MW-1	EXTj/7700	SW-846 3510C
F2307128002	MW-2	EXTj/7700	SW-846 3510C
F2307128003	MW-3	EXTj/7700	SW-846 3510C
F2307128004	MW-4	EXTj/7700	SW-846 3510C
F2307128005	MW-5	EXTj/7700	SW-846 3510C
F2307128006	MW-6	EXTj/7700	SW-846 3510C
GCSj/5604 - EPA 8151			
F2307128001	MW-1	EXTj/7706	8151
F2307128002	MW-2	EXTj/7706	8151
F2307128003	MW-3	EXTj/7706	8151
F2307128004	MW-4	EXTj/7706	8151
F2307128005	MW-5	EXTj/7706	8151
F2307128006	MW-6	EXTj/7706	8151

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
GCSj/5607 - EPA 8141			
F2307128001	MW-1	EXTj/7701	SW-846 3510C
F2307128002	MW-2	EXTj/7701	SW-846 3510C
F2307128003	MW-3	EXTj/7701	SW-846 3510C
F2307128004	MW-4	EXTj/7701	SW-846 3510C
F2307128005	MW-5	EXTj/7701	SW-846 3510C
F2307128006	MW-6	EXTj/7701	SW-846 3510C
GCSt/3984 - FL-PRO			
F2307128001	MW-1	EXTt/4993	FL-PRO
F2307128002	MW-2	EXTt/4993	FL-PRO
F2307128003	MW-3	EXTt/4993	FL-PRO
F2307128004	MW-4	EXTt/4993	FL-PRO
F2307128005	MW-5	EXTt/4993	FL-PRO
F2307128006	MW-6	EXTt/4993	FL-PRO
HPLj/2303 - AEL SOP-041/LCMSMS			
F2307128001	MW-1	EXTj/7824	AEL SOP-041/LCMSMS
F2307128002	MW-2	EXTj/7824	AEL SOP-041/LCMSMS
F2307128003	MW-3	EXTj/7824	AEL SOP-041/LCMSMS
F2307128004	MW-4	EXTj/7824	AEL SOP-041/LCMSMS
F2307128005	MW-5	EXTj/7824	AEL SOP-041/LCMSMS
F2307128006	MW-6	EXTj/7824	AEL SOP-041/LCMSMS
ICPt/4296 - SW-846 6010			
F2307128001	MW-1	DGMt/7028	SW-846 3010A
F2307128002	MW-2	DGMt/7028	SW-846 3010A
F2307128003	MW-3	DGMt/7028	SW-846 3010A
F2307128004	MW-4	DGMt/7028	SW-846 3010A
F2307128005	MW-5	DGMt/7028	SW-846 3010A
F2307128006	MW-6	DGMt/7028	SW-846 3010A

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
MSSj/3531 - SW-846 8270C			
F2307128001	MW-1	EXTj/7688	SW-846 3510C
F2307128002	MW-2	EXTj/7688	SW-846 3510C
F2307128003	MW-3	EXTj/7688	SW-846 3510C
F2307128004	MW-4	EXTj/7688	SW-846 3510C
F2307128005	MW-5	EXTj/7688	SW-846 3510C
F2307128006	MW-6	EXTj/7688	SW-846 3510C
MSVt/7942 - SW-846 8260D			
F2307128004	MW-4	MSVt/7941	SW-846 5030B
F2307128005	MW-5	MSVt/7941	SW-846 5030B
MSVt/7944 - SW-846 8260D			
F2307128001	MW-1	MSVt/7943	SW-846 5030B
F2307128002	MW-2	MSVt/7943	SW-846 5030B
F2307128003	MW-3	MSVt/7943	SW-846 5030B
F2307128006	MW-6	MSVt/7943	SW-846 5030B
WCAf/4154 - EPA 300.0			
F2307128001	MW-1		
F2307128002	MW-2		
F2307128003	MW-3		
F2307128004	MW-4		
F2307128005	MW-5		
F2307128006	MW-6		
WCAf/4171 - SM 2540 C			
F2307128001	MW-1		
F2307128002	MW-2		
F2307128003	MW-3		
F2307128004	MW-4		
F2307128005	MW-5		
F2307128006	MW-6		

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: SR-82MRF (F2307128)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
WCAm/14091 - EPA 350.1			
F2307128001	MW-1		
F2307128002	MW-2		
F2307128003	MW-3		
F2307128004	MW-4		
F2307128005	MW-5		
F2307128006	MW-6		

Advanced Environmental Laboratories, Inc.

☐ Altamonte Springs: 380 Northlake Blvd., Ste. 1048, FL 32701 • 407.937.1594 • Lab ID: E53076
☐ Fort Myers: 13100 Westlinks Terrace, Ste. 10, FL 33913 • 239.674.8130 • Lab ID: E84492
☐ Jacksonville: 6681 Southpoint Pkwy., FL 32216 • 904.363.9350 • Lab ID: E82574
☐ Tallahassee: 2639 North Monroe St., Suite D, FL 32303 • 850.219.6274 • Lab ID: E811095
☐ Gainesv
☐ Miramar
☐ Tampa:

* F 2 3 0 7 1 2 8 *

Client Name:	AMRC	Project Name:	SR-82MRF
Address:	5230 Clayton Court	Project Number:	AMRC091223SM-82MRFjh
	Fort Myers, FL 33907	PO Number:	
Phone:	239-936-8266	FDEP Facility No:	
FAX:		FDEP Facility Addr:	
Contact:	John Herman		
Sampled By:	Crista Abberger/Alex Schendel	Special Instructions:	HCL: chem lot 4121012/ bottle lot 2020004
Turn Around Time:	(Standard) Rush		H2SO4: lot 1F2309-02 ex: 03/24, HNO3:1F2310-01 ex:04/24
AEL Profile #:		ADaPT EQuIS Other	

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	Field-Filtered?	8270 PP/PAH	8081/8082	RCRA 4 Metals+Hg/9	FLPro	8260 PP	Ammonia	TDS/Cl/SO4/NO3	8151/8141	PFAS		LABORATORY I.D. NUMBER
	BOTTLE SIZE & TYPE							LAG lot 2304800 7	LAG lot 2304800 7	250P lot 03150011	250AG lot 2048008	3x40ml CGV	250P lot 0315001	250P lot 2066014	LAG lot 2304800 7	250P lot 430522000		
	ANALYSIS REQUIRED																	
	Preservation							I	I	N	S	I/H	S	I	I	I		
	MW-1		10/31/23	1339	GW			X	X	X	X	X	X	X	X	X		001
	MW-2			14:51	GW			X	X	X	X	X	X	X	X	X		002
	MW-3			1005	GW			X	X	X	X	X	X	X	X	X		003
	MW-4			0325	GW			X	X	X	X	X	X	X	X	X		004
	MW-5			1207	GW			X	X	X	X	X	X	X	X	X		005
	MW-6			1219	GW			X	X	X	X	X	X	X	X	X		006

Matrix Code: WW=wastewater, SW=surface water, GW=ground water, DW=drinking water, MW=marine water, O=oil, A=air, SO=soil, SL=sludge

Preservation Code: I=ice, H=HCl, S=H2SO4, N=HNO3, T=Sodium Thiosulfate, AA=Ascorbic/HCl, AB=Ascorbic/NaOH

Received on Ice ☑ Yes ☐ No ☑ Temp taken from sample ☐ Temp from blank ☑ Where required, pH checked

Temp. when received (observed) 3.2 °C Temp. when received (corrected) 3.2 °C

DCN: AD-D051web Form last revised 07/26/2022

Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 3A S: 1V (F: 1A)

	Relinquished by:	Date	Time	Received by:	Date	Time
1	Alex Schendel	10/31/23	16:54		10-31-23	16:54
2						
3						
4						

FOR DRINKING WATER USE:

(When PWS Information not otherwise supplied) PWS ID:

Contact Person:

Supplier of Water:

Site-Address: