E-0326 Real Estate Development Q&A

Question: 8/3/26 **Posted**: 8/13/2026

1. Is there a survey available for the reconfigured "Meridian Site". If not, then are approximate dimensions of the site available?

   Answer: A survey of the Meridian site has not been completed. As noted in E-0326 Real Estate Development RFQ and the E-0326 Real Estate Development Pre-proposal Meeting Presentation 7.17.26 the parcel is 1.41 acres. The dimensions of the parcel can be estimated using the location map included in these documents.

2. Are there any existing environmental reports for this site given its prior use as a rail yard for the better part of a century?

   Answer: An Environmental Contamination Assessment Report was completed in March 10, 2022. Per the recommendations in this report, 2' of material was removed when the railroad tracks were removed. The report and as-built drawings from the railroad track removal are being provided for reference.

3. Has the Expressway Authority explored the possibility of a land swap with SPP exchanging the parts of parcels located on blocks 2-4-5 with SPP's property owned on block 6?

   Answer: THEA has not explored the possibility of a land swap.

4. Is THEA open to reconfiguring the Meridian greenway corridor? Being that the railyard is now gone, what is currently there is not the best and highest use and perhaps more suited for future uses/development?

   Answer: The base scope is for the parcels as contemplated in the RFQ (i.e., the Meridian Parcel and the THEA Office Site). To the extent that Proposers have ideas for how additional parcels may be incorporated into the overall development, Proposers are free to include a discussion of this; however, proposals should not be conditional or rely heavily on incorporation of parcels that are not explicitly contemplated in the RFQ.

5. Are there any uses other than commonly referred/known as "Noxious uses" that need not be considered?

   Answer: THEA is not prescribing a specific development program or use mix at this stage of the procurement process. Proposers are free to propose any use that they believe best aligns with the mission and project goals identified in the RFQ.

6. The RFQ contemplates development submissions for one or both parcels, our initial thought is that the current THEA building is presently the highest and best use though that may change in the future. A new facility might make sense in a mixed-use project as part of THEA's other land as shown on Pg. 46 of the RFQ.

   Answer: Noted.

7. Could the RFP be submitted with not only the requested parcels, but with the idea of THEA's office in a future mixed- use project on other parcels owned by THEA?
   Or does the committee prefer the submission only be the ideas for the requested parcels?

   Answer: See answer to question 4.

Whiting Street:

8. Are there detailed construction documents and plans available for the Whiting Street changes. See attached one Page PDF attached?

   Answer: Construction documents and designs are currently being developed.

9. Is the road grid as shown on Pg. 46 flexible in any way, specifically the extension Whitting St. shown between Parcels 6&8 on the attached PDF?

   Answer: Whiting Street will be connected to Meridian.

10. Will there be a traffic light at Meridian Avenue and the new Whiting Street extension? Will cars be able to make a left traveling Northbound on Meridian to the new Whiting Street extension?

    Answer: Yes, there will be a traffic signal at the new Meridian Avenue / Whiting Street extension; vehicles will be able to make a left turn onto Meridian Avenue.

11. Will Washington St. be connected through to Meridian Ave? The Exhibit to the RFQ does not show that but Pg. 7 of the pre-submittal handout does.

    Answer: Washington Street will not be connected through to Meridian Avenue.

12. Has THEA had any discussions with TECO about the powerlines which bisect the property near Washington St. which feed the TECO substation in the Channel District.

    Answer: THEA has not had any discussions with TECO regarding these power lines.

Other:

13. I have other unrelated business with THEA concerning the expansion of the area adjacent to the dog park under the Crosstown for an active sports area and the Channel District CRA funding of that in September's or October's CAC meeting. I assume I can speak with THEA staff about unrelated matters. Please confirm that is the case.

    Answer: Based on the information provided, it would appear that the topic of this question is not related to this procurement. If this is the case, based on THEA Policy, this would not be considered restricted communication.

14. Is THEA interested in participating with us to develop and operate some or all the mentioned "mobility focused transportation elements"

    Answer: THEA intends to work with the selected proposer on the mobility focused elements.

15. Attachment 3 Similar Projects Form states to list three projects completed or held by team members in the past 5 years. It says in addition please list five similar projects completed or held by team members in the past 10 years. Is THEA looking for 8 total similar projects here?

    Answer: Proposers should submit three similar projects completed or held by the Firm / proposed subconsultants in the past ten years.

    Proposers should also submit at least five similar projects completed or held by the individual team members in the past ten years.

The same projects can be used to satisfy both requirements if team members completed the projects while employed by the Firm / proposed subconsultant.

Transportation:

Section 2.D reads as follows:

"**Incorporation of mobility focused transportation elements.** Improved connectivity between the Selmon Expressway and the Channel District, Selmon Greenway, Ybor Harbor, Water Street, downtown and the Selmon Expressway that enables commuter transit connectivity, connected autonomous vehicle shuttles, smart parking garages, rideshare and car sharing priority, intermodal center passenger processing, space, micro-mobility/first-mile last-mile docking space and future potential for eVTOL facilities."

16. When referring to the "future" potential for eVTOL facilities is the potential establishment of eVTOL facilities envisioned as a second phase consideration after the establishment of the other cited uses, or will the establishment of eVTOL facilities be considered as the primary project goal?

    Answer: The establishment of eVTOL facilities is not necessarily a primary project goal; however, THEA encourages the incorporation of innovative transportation elements now and in the future.

17. Have there been any preliminary conversations with the Hillsborough County Aviation Authority (HCAA) regarding the potential for eVTOL facilities in the region?

    Answer: THEA has not held any conversations with the HCAA regarding the establishment of eVTOL facilities in the region.

18. In addition to the HCAA have there been any preliminary conversations with the Federal Aviation Administration regarding the potential for eVTOL facilities in the region?

    Answer: THEA has not held any conversations with the FAA regarding the establishment of eVTOL facilities in the region.

19. Are there any policies and/or requirements that have already been established by THEA regarding the establishment of eVTOL facilities in the region?

    Answer: THEA has not established any policies and/or requirements regarding the establishment of eVTOL facilities in the region.

CSX RAILROAD TRACK REMOVAL PLANS

CSX RAILROAD TRACK REMOVAL PLANS
SIGNING AND PAVEMENT MARKING PLANS
SIGNALIZATION PLANS

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SIGNATURE SHEET, 2A FE Signature Sheet
3 - 4	DRAINAGE MAP
5 - 7	TYPICAL SECTION
8	TYPICAL SECTION DETAIL
9	SUMMARY OF DRAINAGE STRUCTURES
10	OPTIONAL MATERIALS TABULATION
11	PROJECT LAYOUT
12	PROJECT CONTROL
13	GENERAL NOTES
14 - 20	ROADWAY PLAN
21 - 23	SPECIAL DETAIL
24 - 30	GRADING PLAN
31	DRAINAGE STRUCTURES
32 - 33	ROADWAY SOIL SURVEY
34	CROSS SECTION PATTERN
35 - 56	CROSS SECTION
57 - 58	STORMWATER POLLUTION PREVENTION PLAN
59 - 65	EROSION CONTROL
66 - 73	TEMPORARY TRAFFIC CONTROL PLAN
74 - 81	UTILITY ADJUSTMENT PLAN

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2022-23 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

Standard Plans for Road Construction and associated IRs are available at the following website: http://www.fdot.gov/design/standardplans

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, July 2022 Standard Specifications for Road and Bridge Construction at the following website: http://www.fdot.gov/programmanagement/Implemented/SpecBooks

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

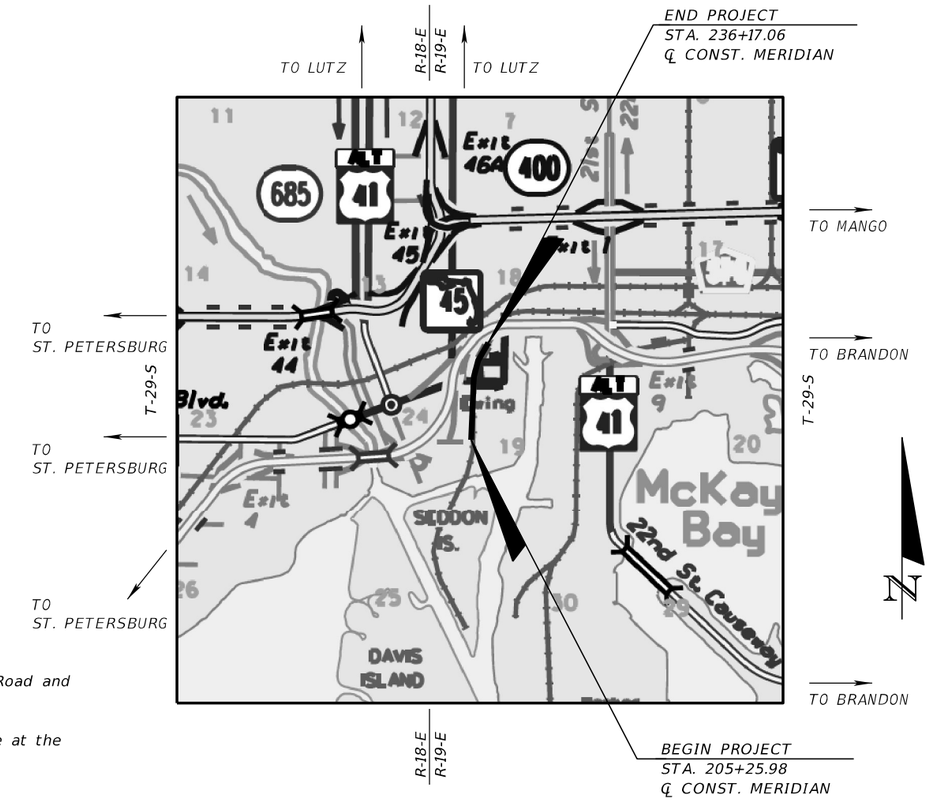
FINAL AS-BUILT PLANS

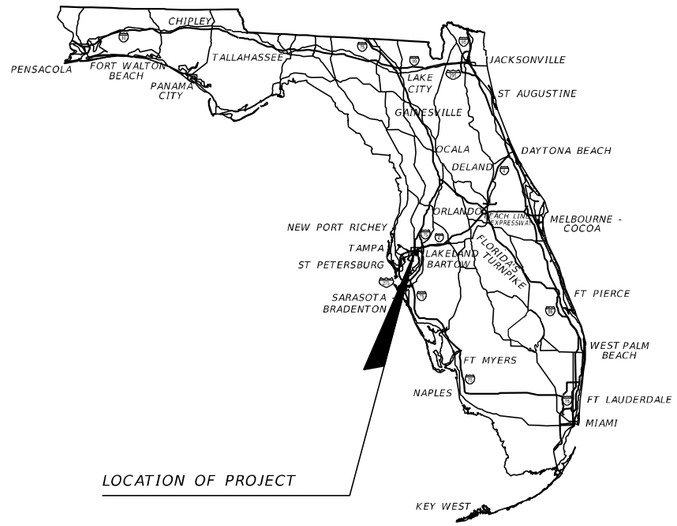
~~CONTRACT PLANS~~

THEA PROJECT ID O-1022

HILLSBOROUGH COUNTY (15010)

CSX RAILROAD TRACK REMOVAL PLANS
FROM EAST CUMBERLAND AVENUE
TO NORTH OF EAST TWIGGS STREET





Name of Contractor: Kimmons Contracting Corporation
Resident Engineer: Branan R. Anderson, P.E.
Project Administrator: Adam Chapman
Date Work Started: 09/26/2023
Date Final Acceptance: 03/22/2024

ROADWAY PLANS ENGINEER OF RECORD:

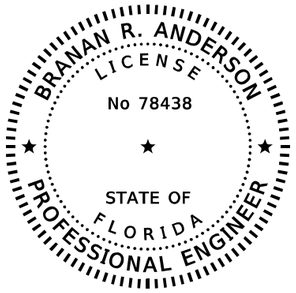
BRANAN R. ANDERSON, P.E. NO.: 78438
KISINGER CAMPO AND ASSOCIATES CORP.
CONSULTING ENGINEERS & PLANNERS
201 N. FRANKLIN ST., SUITE 400
TAMPA, FL 33602
PHONE: (813) 871-5331
CONTRACT NO.: O-00619D
VENDOR NO.: F59-1677145

THEA PROJECT MANAGER:

JUDITH VILLEGAS, E.I.

FISCAL YEAR	SHEET NO.
23	1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY

Branan R Anderson
2022.11.16 14:48:11 -05'00'

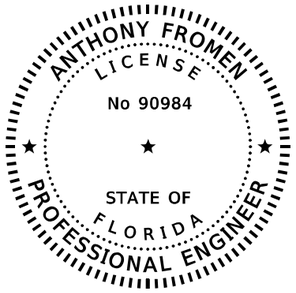
ON THE DATE ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SIGNATURE SHEET
5 - 7	TYPICAL SECTION
8	TYPICAL SECTION DETAIL
11	PROJECT LAYOUT
13	GENERAL NOTES
14 - 20	ROADWAY PLAN
21 - 23	SPECIAL DETAIL
34	CROSS SECTION PATTERN
35 - 56	CROSS SECTION
66 - 73	TEMPORARY TRAFFIC CONTROL PLAN
74 - 81	UTILITY ADJUSTMENT PLAN



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY

Anthony V Fromen
Anthony V Fromen
2022.11.16 13:37:27 -05'00'

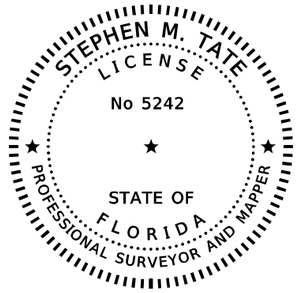
ON THE DATE ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Anthony Fromen, P.E.
P.E. No.: 90984

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET NO.	SHEET DESCRIPTION
2	SIGNATURE SHEET
3 - 4	DRAINAGE MAP
9	SUMMARY OF DRAINAGE STRUCTURES
10	OPTIONAL MATERIALS TABULATION
24 - 30	GRADING PLAN
31	DRAINAGE STRUCTURES
57 - 58	STORMWATER POLLUTION PREVENTION PLAN
59 - 65	EROSION CONTROL



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY

STEPHEN M TATE
2022.11.16 09:21:28 -05'00'

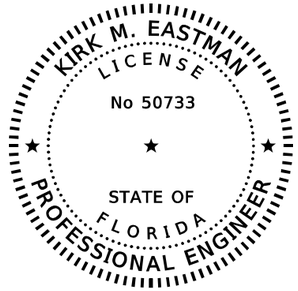
ON THE DATE ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

ECHEZABAL & ASSOCIATES, INC.
108 W. COUNTRY CLUB DRIVE
TAMPA, FL 33612
STEPHEN M. TATE, P.S.M. NO. 5242

THE ABOVE NAMED PROFESSIONAL SURVEYOR AND MAPPER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 5J-17.062, F.A.C.

SHEET NO.	SHEET DESCRIPTION
2	SIGNATURE SHEET
12	PROJECT CONTROL



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY

Kirk M Eastman
2022.11.16 10:19:59 -05'00'

ON THE DATE ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

AREHNA ENGINEERING, INC.
5012 W. LEMON STREET
TAMPA, FL 33609
KIRK M. EASTMAN, P.E. NO. 50733

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET NO.	SHEET DESCRIPTION
2	SIGNATURE SHEET
32 - 33	ROADWAY SOIL SURVEY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

SIGNATURE SHEET

SHEET NO. 2

STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 71329

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY Eric Steven Rose
ON THE DATE INDICATED HERE

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

KCI TECHNOLOGIES, INC.
4041 CRESENT PARK DRIVE,
RIVERVIEW , Fl. 33578
CERTIFICATE OF AUTHORIZATION:
NAME:

The above named professional engineer shall be responsible for the following changes, indicated in redline revision, in accordance with Rule 61G15-23.004, F.A.C. This project was constructed in substantial compliance with these plans as provided by the Engineer of Record.

Sheet	Description of Change
1A	Added signature sheet by Construction
7	1.5" friction course overlay in lieu of milling in resurfacing. RFM 4
8	6" of crushed concrete in lieu of Type B stabilization. RFI 1
8	12.5" of crushed concrete in lieu of Optional Base Group 12
14	Concrete slab for bench removed and replaced, due to overlay.
14	Unknown structure found at Station 209+50.
14	Concrete slab for bench removed and replaced, due to overlay.
15	Inserted void page to reflect plan revision.
15	Unknown structure found at Station 210+90 removed. RFI 9
16	Inserted void page to reflect plan revision.
16	Slab for bench removed and replaced due to overlay.
16	Slab for bike rack removed and replaced due to overlay.
17	Bus bench removed and replaced due to overlay.
17	ADA ramp removed and replaced due to overlay.
20	Type B fence location modified. RFI 10
26	Inserted void page to reflect plan revision.
27	Inserted void page to reflect plan revision.
43	Inserted void page to reflect plan revision.
44	Inserted void page to reflect plan revision.
47	Inserted void page to reflect plan revision.

Date	Name	Position (Title)	Review Type, If Applicable
RESIDENT OFFICE			
06/14/2024	Eric Rose, P.E.	Senior Project Engineer	OA
	Adam Chapman	Project Administrator	
06/14/2024	Zachary Sabo	Contract Support Specialist	OA
	Michael Gabor	Senior Inspector	
DISTRICT OFFICE			

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	HILLSBOROUGH	

FINAL "AS-BUILT" SIGNATURE SHEET

SHEET NO.
2A

1-28 NOT USED

(29) Curb Inlet
Elev = 16.02

(30) Manhole
Elev = 16.63

31-37 NOT USED

(38) Curb Inlet
Elev = 16.67

(39) Curb Inlet
Elev = 16.66

40-64 NOT USED

(65) DBI
Grate Elev = 8.94

(66) DBI
Grate Elev = Unknown
See THEA Project
ID 51.41.01

(67) Manhole
Grate Elev = Unknown
See THEA Project
ID 51.41.01

68 NOT USED

(69) Manhole
Elev = 7.66

70-83 NOT USED

(84) Manhole
Elev = 10.73
18" Inv = 7.41 N
18" Inv = 7.07 S
14"x23" Inv = 4.87 E
15" Inv = 7.56 W

(84A) MES
Elev = 9.54
18" Inv = 7.24

(84B) MES
Elev = 9.76
18" Inv = 7.46

(85) Curb Inlet
Elev = 16.45

(86) Curb Inlet
Elev = 16.45

(87) Curb Inlet
Elev = 14.59

(88) Curb Inlet
Elev = 17.99

(89) Manhole
Elev = 18.27

(90) Curb Inlet
Elev = 17.88

(91) Curb Inlet
Elev = 17.84

(92) Curb Inlet
Elev = 17.67

R1-R3 NOT USED

(R4) DBI
Grate Elev = 15.46

(R5) DBI
Grate Elev = 12.62

(R6) DBI
Grate Elev = 14.17

(R7) DBI
Grate Elev = 14.29

(R8) DBI
Grate Elev = 15.44

(R9) DBI
Grate Elev = 15.59

(R10) DBI
Grate Elev = 11.54

(R10A) DBI
Grate Elev = 6.62
Inv = 2.66 N

(R11) DBI
Grate Elev = 11.41

(R11A) DBI
Grate Elev = 6.14
Inv = 2.18 E
Inv = 2.30 S

(R12) DBI
Grate Elev = 11.46

(R12A) Manhole
Elev = 6.76
Inv = 2.10 S

(R13) DBI
Grate Elev = 11.10

(R14) MES
Elev = 16.43
Inv = 14.91 E

(R15) MES
Elev = 16.20
Inv = 14.84 E

(R16) MES
Elev = 17.23
Inv = 15.67 E

(R17) MES
Elev = 17.60
Inv = 16.00 E

(R18) DBI
Grate Elev = 16.24

(P1) 10" Metal Pipe
Inv = 10.39 N
10.18 S

(P2) 10" Metal Pipe
Inv = 10.47 N
9.98 S

(P3) 10" Metal Pipe
Inv = 10.29 N
9.85 S

(P4) 10" Metal Pipe
Inv = 10.16 N
9.75 S

DO NOT USE THE INFORMATION ON THIS SHEET FOR CONSTRUCTION PURPOSES. THIS SHEET IS IN THE PLANS FOR DOCUMENTATION AND TO ASSIST CONSTRUCTION PERSONNEL WITH DRAINAGE CONCERNS.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Anthony Fromen, P.E.
P.E. No.: 90984

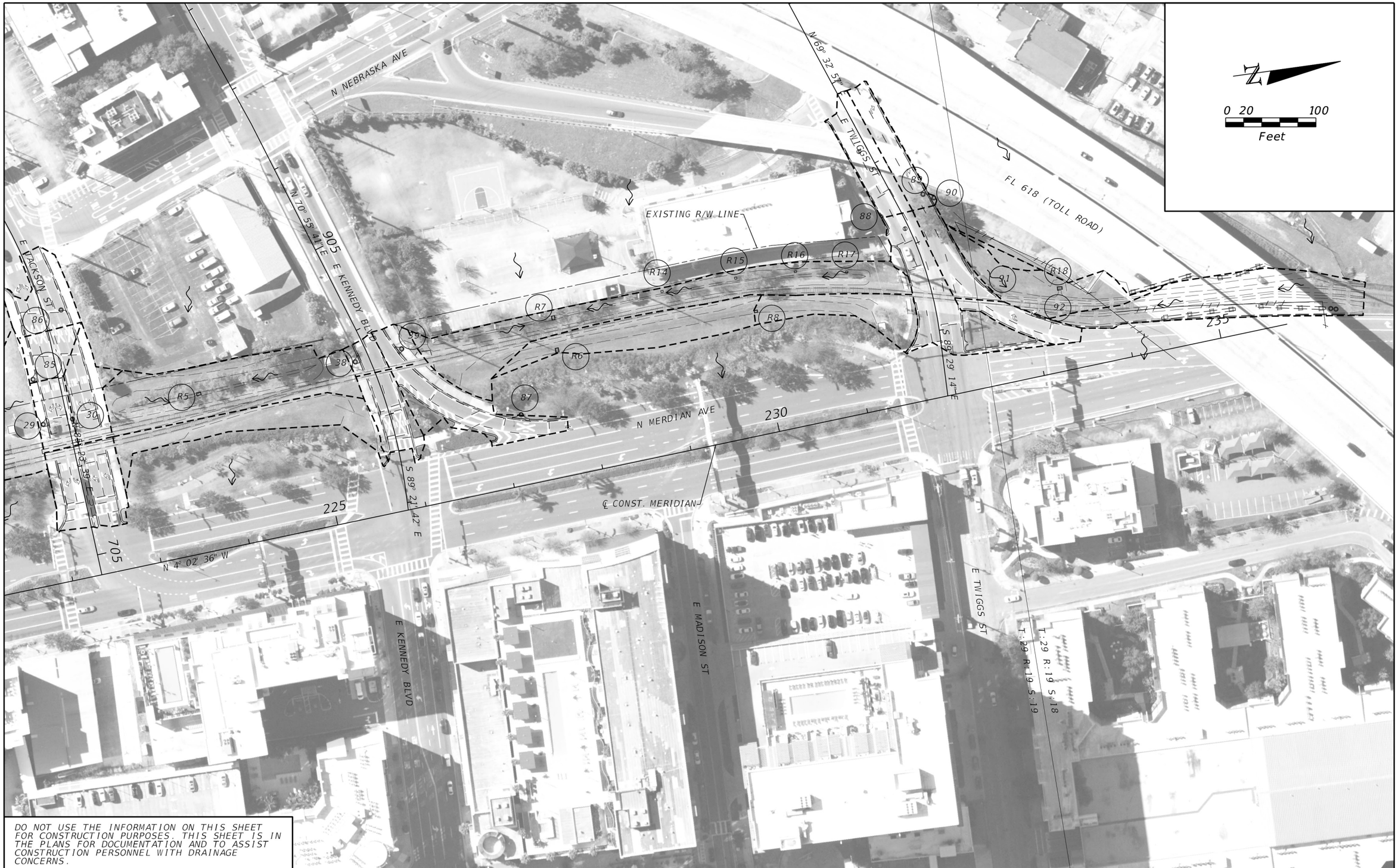
TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

DRAINAGE MAP (1)

SHEET NO. 3

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



DO NOT USE THE INFORMATION ON THIS SHEET FOR CONSTRUCTION PURPOSES. THIS SHEET IS IN THE PLANS FOR DOCUMENTATION AND TO ASSIST CONSTRUCTION PERSONNEL WITH DRAINAGE CONCERNS.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Anthony Fromen, P.E.
P.E. No.: 90984

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

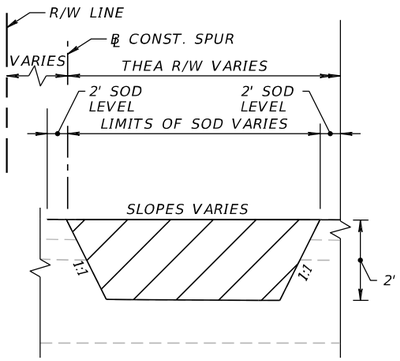
DRAINAGE MAP (2)

SHEET NO. 4

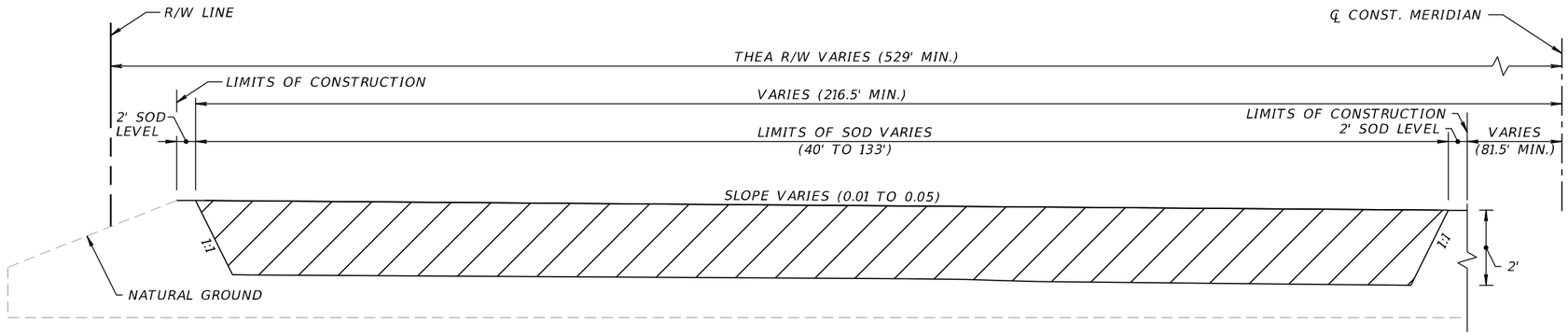
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

jmera 11/8/2022 1:27:53 PM C:\Users\jmera\KCA\1201037 THEA GEC - WO 12 - THEA Meridian CSX Track Removal\Pr

PROPOSED CONDITION

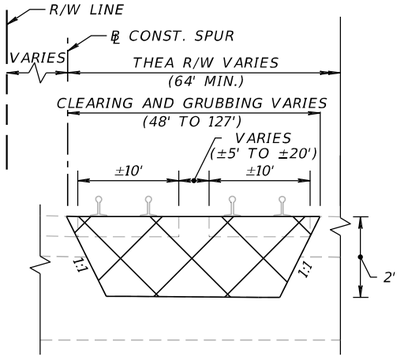


PROPOSED CONDITION

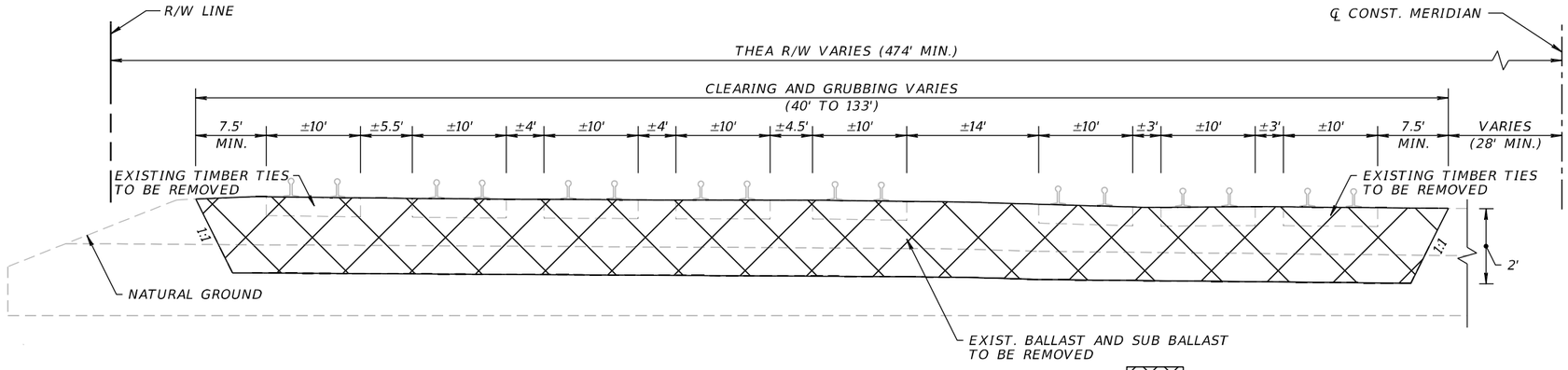


EMBANKMENT

EXISTING CONDITION



EXISTING CONDITION



LIMITS OF CONTAMINATED SOIL AND RAIL REMOVAL

TYPICAL SECTION DETAIL

℄ CONST. SPUR
STA. 10+00.00 TO STA. 16+41.17

TYPICAL SECTION NO. 1

℄ CONST. MERIDIAN
STA. 205+90.00 TO STA. 222+10.29
STA. 222+64.68 TO STA. 225+63.82
STA. 226+07.64 TO STA. 231+77.21
STA. 233+04.61 TO STA. 236+11.79

NOTES:

1. THE NUMBER OF EXISTING RAIL TRACKS VARIES THROUGHOUT THE PROJECT LIMITS FROM EIGHT TRACKS SOUTH OF E. JACKSON ST. TO A SINGLE TRACK NORTH OF E. TWIGGS ST. SEE PLANS FOR LIMITS.
2. LIMITS OF RAILROAD REMOVAL AND EXCAVATION VARIES. SEE ROADWAY PLAN FOR ADDITIONAL INFORMATION.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

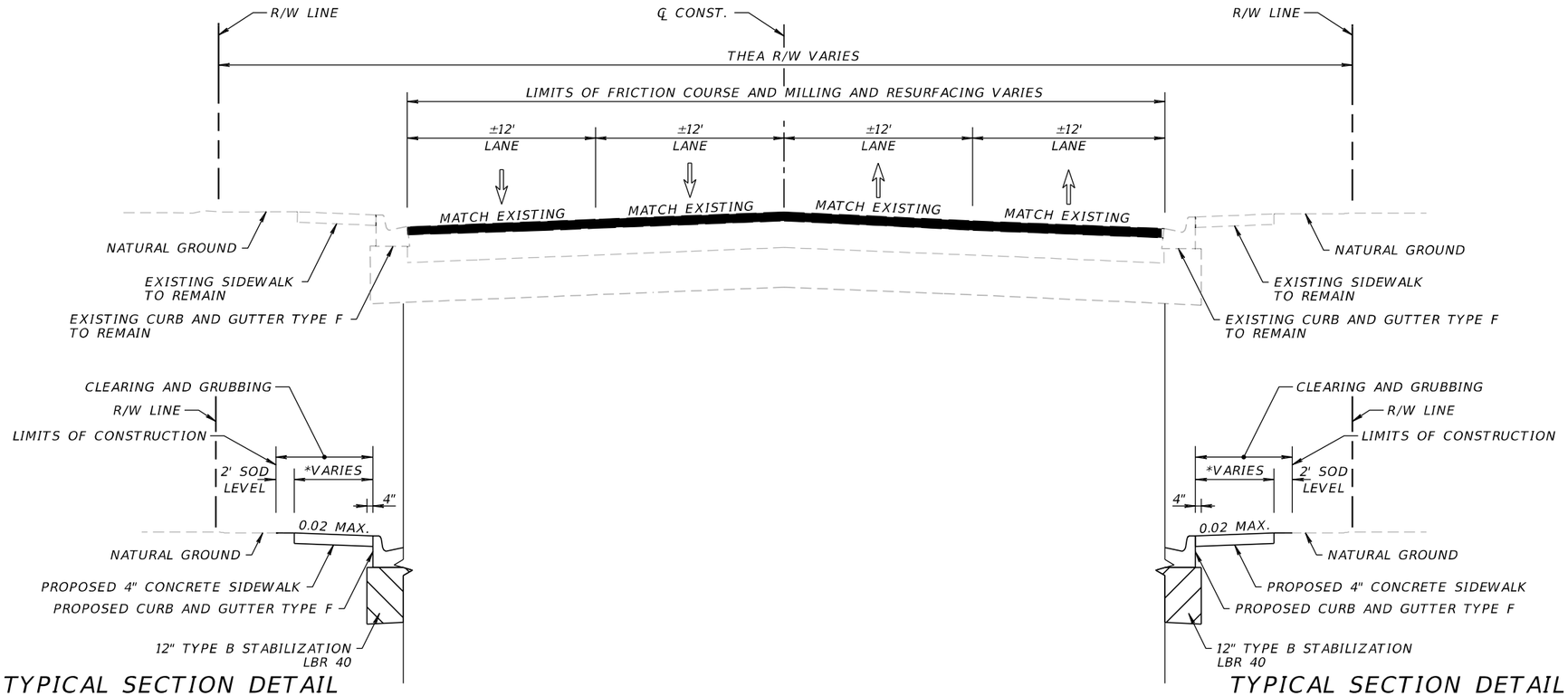
TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

TYPICAL SECTION (1)

SHEET NO. 5

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



TYPICAL SECTION DETAIL

TYPICAL SECTION DETAIL

TYPICAL SECTION NO. 2

EAST JACKSON STREET
℄ CONST. JACKSON
STA. 702+00.00 TO STA. 704+72.96

EAST KENNEDY BOULEVARD
℄ CONST. KENNEDY
STA. 906+02.00 TO STA. 907+55.48

EAST TWIGGS STREET
℄ CONST. TWIGGS
STA. 26+42.83 TO STA. 29+54.11

ROADWAY MILLING AND RESURFACING

MILL EXISTING ASPHALT PAVEMENT (1 ½" AVG. DEPTH)
FRICTION COURSE FC-12.5 (TRAFFIC C) (1 ½") (PG 76-22)

ROADWAY MILLING AND RESURFACING

MILL EXISTING ASPHALT PAVEMENT (1 ½" AVG. DEPTH)
FRICTION COURSE FC-12.5 (TRAFFIC C) (1 ½") (PG 76-22)

ROADWAY MILLING AND RESURFACING

MILL EXISTING ASPHALT PAVEMENT (1 ½" AVG. DEPTH)
FRICTION COURSE FC-12.5 (TRAFFIC C) (1 ½") (PG 76-22)

NOTES:

1. THE EXISTING TYPICAL SECTION VARIES FOR EACH ROADWAY CROSS STREET ALONG EAST JACKSON ST., EAST KENNEDY BLVD., AND EAST TWIGGS ST. THE INTENT OF THIS TYPICAL SECTION IS TO DEPICT THE REQUIRED MILLING AND RESURFACING OF FRICTION COURSE TO REMOVE THE EXISTING RAILROAD CROSSING STRIPING.
2. LIMITS OF ROADWAY MILLING AND RESURFACING VARIES. SEE ROADWAY PLAN FOR ADDITIONAL INFORMATION.
3. *SEE ROADWAY SPECIAL DETAILS FOR LIMITS OF PAVEMENT RESTORATION ALONG THE ROADWAY CROSS STREETS. THE SPECIAL DETAILS INCLUDE LIMITS OF EXISTING CURB AND SIDEWALK RESTORATION AS A RESULT OF THE RAILROAD INFRASTRUCTURE REMOVAL OPERATIONS.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

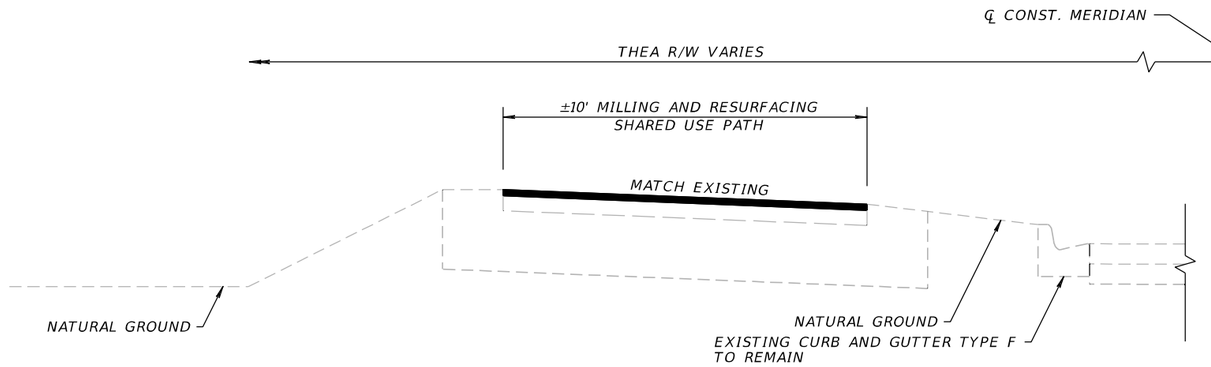
TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

TYPICAL SECTION (2)

SHEET NO. 6

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



TYPICAL SECTION NO. 3

MERIDIAN GREENWAY TRAIL
℄ CONST. MERIDIAN
STA. 205+90.00 TO STA. 221+95.35
STA. 222+77.36 TO STA. 225+62.00

MERIDIAN GREENWAY TRAIL
MILLING AND RESURFACING

~~MILL EXISTING ASPHALT PAVEMENT (1 ½" AVG. DEPTH)~~
FRICTION COURSE FC-12.5 (TRAFFIC C) (1 ½") (PG 76-22)

RFM 4, 1.5" friction course overlay in lieu of milling and resurfacing.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

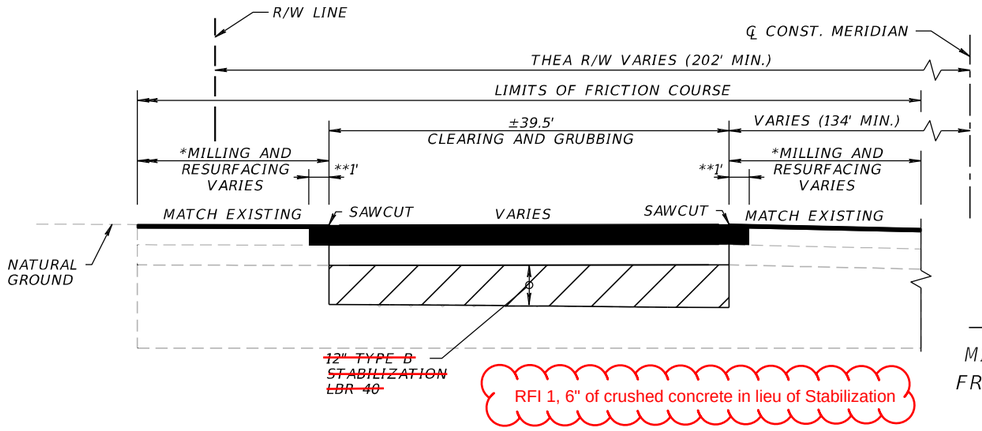
ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

TYPICAL SECTION (3)

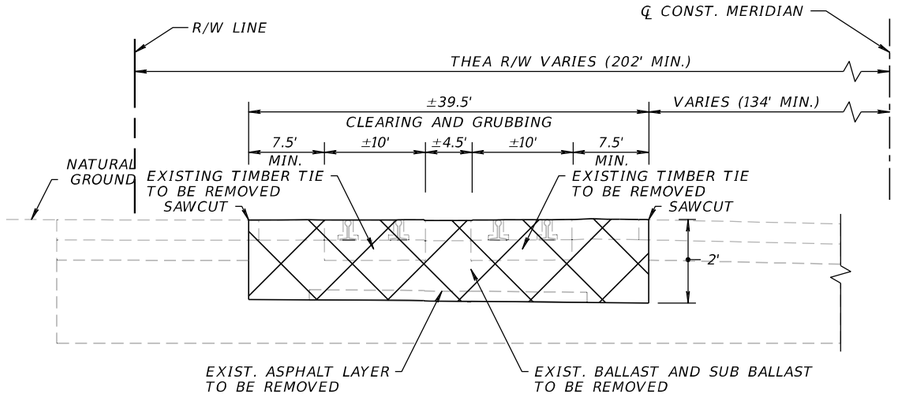
SHEET NO. 7

** ROADWAY MILLING AND RESURFACING - OVERLAY

MILL EXISTING ASPHALT PAVEMENT (3 ½" AVG. DEPTH)
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2") (PG 76-22)
FRICTION COURSE FC-12.5 (TRAFFIC C) (1 ½") (PG 76-22)



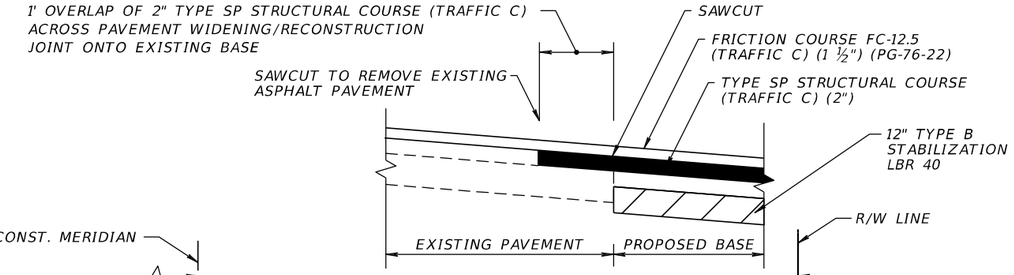
PROPOSED CONDITION



EXISTING CONDITION

ROADWAY CROSSING RAIL REMOVAL AND TRENCH DETAIL NO. 1

SECTION A-A
EAST JACKSON STREET
℄ CONST. MERIDIAN
STA. 222+10.29 TO STA. 222+64.68



**RECONSTRUCTION JOINT DETAIL

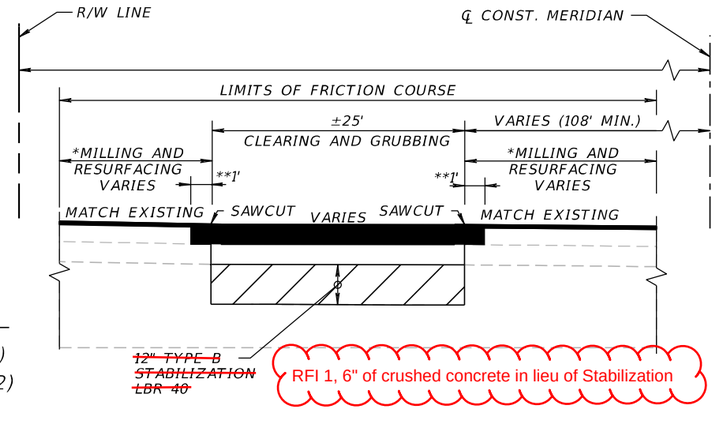
ROADWAY MILLING AND RESURFACING

MILL EXISTING ASPHALT PAVEMENT (1 ½" AVG. DEPTH)
FRICTION COURSE FC-12.5 (TRAFFIC C) (1 ½") (PG 76-22)

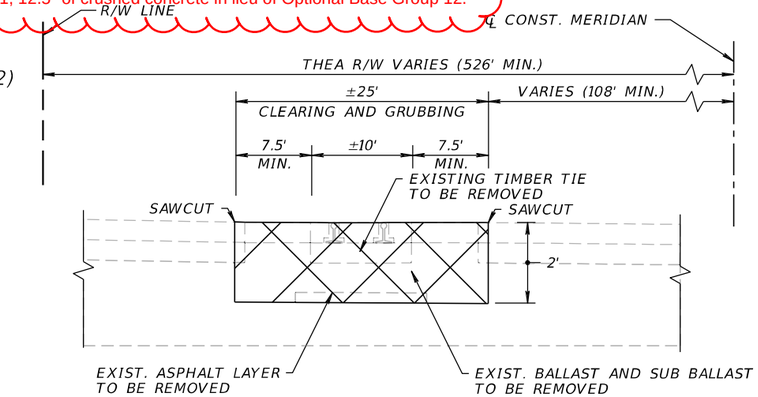
ROADWAY RECONSTRUCTION

~~OPTIONAL BASE GROUP 12 (TYPE B-12.5 ONLY)~~
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2")
FRICTION COURSE FC-12.5 (TRAFFIC C) (1 ½") (PG 76-22)

RFI 1, 12.5" of crushed concrete in lieu of Optional Base Group 12.



PROPOSED CONDITION



EXISTING CONDITION

ROADWAY CROSSING RAIL REMOVAL AND TRENCH DETAIL NO. 2

SECTION B-B
EAST KENNEDY BOULEVARD
℄ CONST. MERIDIAN
STA. 225+63.82 TO STA. 226+07.64

SECTION C-C
EAST TWIGGS STREET
℄ CONST. MERIDIAN
STA. 231+77.21 TO STA. 233+04.61

NOTE:
* LIMITS OF ROADWAY MILLING AND RESURFACING VARIES. SEE ROADWAY PLAN FOR LIMITS.

LIMITS OF CONTAMINATED SOIL AND RAIL REMOVAL

SECTION A-A / SECTION B-B / SECTION C-C

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

TYPICAL SECTION DETAIL (1)

SHEET NO. 8

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	STORM DRAIN AND CROSSDRAIN OPTIONAL TYPE	DITCH BOTTOM INLET	PERF. TURF (SOD)	ADJUST MANHOLE TOP	GRATE REPLACE	REMARKS
						ROUND	E				
						18"	<10'	SY	EA	EA	
P	S-100	208+62.90	LT	INLET, PIPE	1	29	1	7			ALT G GRATE
F											
P	S-101	213+22.25	LT	INLET, PIPE	1	16	1	7			ALT G GRATE
F											
P	R7	227+75.00	LT	INLET	1					1	ALT G GRATE
F											
P	65	212+75.00	LT	INLET	1					1	ALT G GRATE
F											
P	89	27+55.00	LT	MANHOLE	1				1		TWIGGS STREET
F											
SUMMARY				PLAN QUANTITY		45	2	14	1	2	
				FINAL QUANTITY							

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Anthony Fromen, P.E.
P.E. No.: 90984

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 9

STRUCTURE	SIZE (IN)	MATERIAL	PLOTTED	AS BUILT	REMARKS
S-100, S-101	18"	RCP CLASS II	X		

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Anthony Fromen, P.E.
P.E. No.: 90984

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

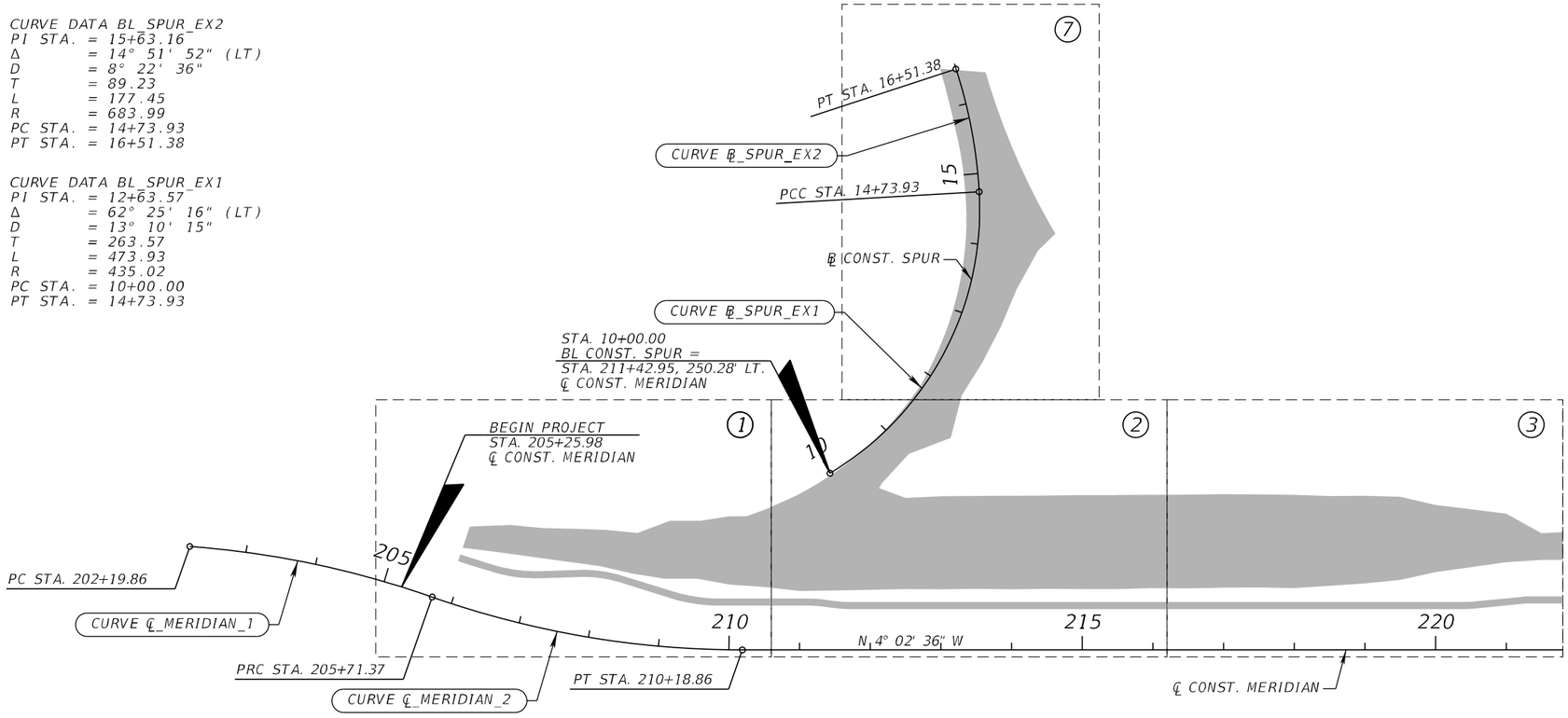
ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

OPTIONAL MATERIALS TABULATION

SHEET NO. 10

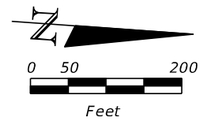
CURVE DATA BL_SPUR_EX2
PI STA. = 15+63.16
Δ = 14° 51' 52" (LT)
D = 8° 22' 36"
T = 89.23
L = 177.45
R = 683.99
PC STA. = 14+73.93
PT STA. = 16+51.38

CURVE DATA BL_SPUR_EX1
PI STA. = 12+63.57
Δ = 62° 25' 16" (LT)
D = 13° 10' 15"
T = 263.57
L = 473.93
R = 435.02
PC STA. = 10+00.00
PT STA. = 14+73.93



CURVE DATA CL_MERIDIAN_1
PI STA. = 203+96.66
Δ = 15° 13' 23" (RT)
D = 4° 19' 51"
T = 176.80
L = 351.51
R = 1,323.00
PC STA. = 202+19.86
PT STA. = 205+71.37

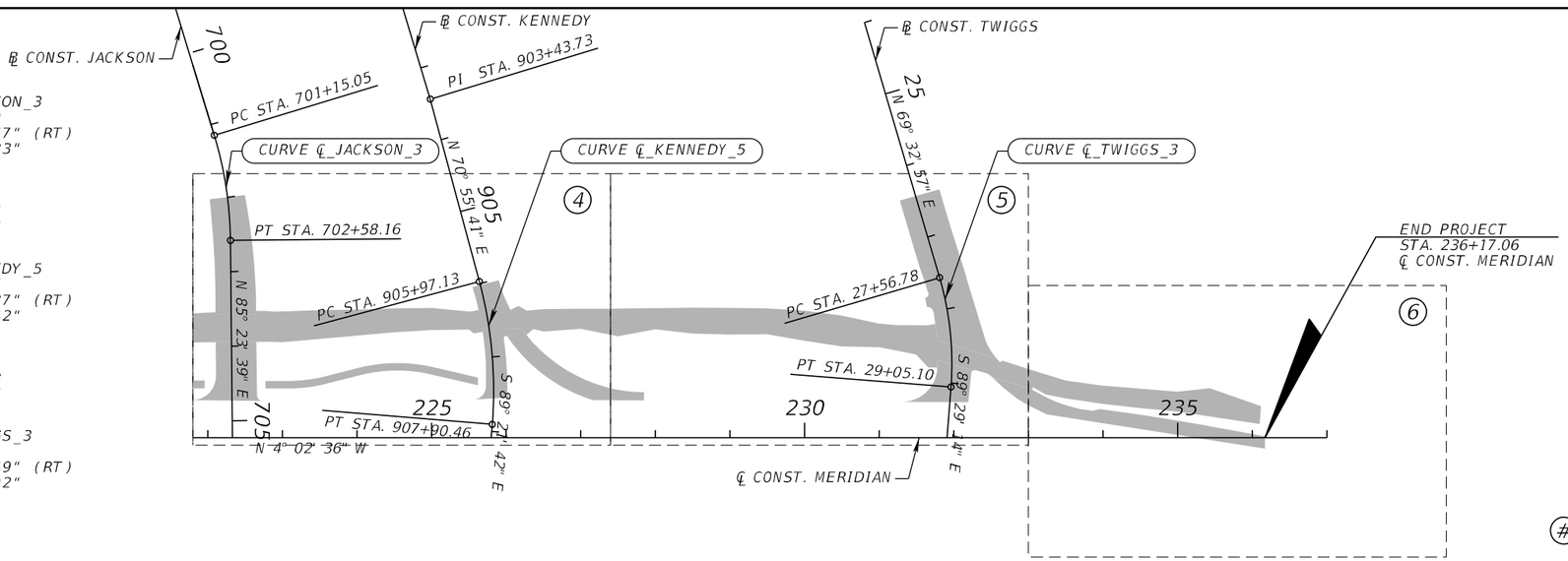
CURVE DATA CL_MERIDIAN_2
PI STA. = 207+97.27
Δ = 19° 22' 46" (LT)
D = 4° 19' 51"
T = 225.90
L = 447.49
R = 1,323.00
PC STA. = 205+71.37
PT STA. = 210+18.86

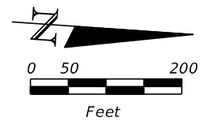


CURVE DATA CL_JACKSON_3
PI STA. = 701+87.10
Δ = 16° 23' 57" (RT)
D = 11° 27' 33"
T = 72.05
L = 143.11
R = 500.00
PC STA. = 701+15.05
PT STA. = 702+58.16

CURVE DATA CL_KENNEDY_5
PI STA. = 906+94.76
Δ = 19° 42' 37" (RT)
D = 10° 11' 42"
T = 97.63
L = 193.33
R = 562.00
PC STA. = 905+97.13
PT STA. = 907+90.46

CURVE DATA CL_TWIGGS_3
PI STA. = 28+31.78
Δ = 20° 57' 49" (RT)
D = 14° 08' 02"
T = 75.00
L = 148.32
R = 405.38
PC STA. = 27+56.78
PT STA. = 29+05.10





(#) = ROADWAY PLAN SHEET NUMBER

= PROJECT LIMITS

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

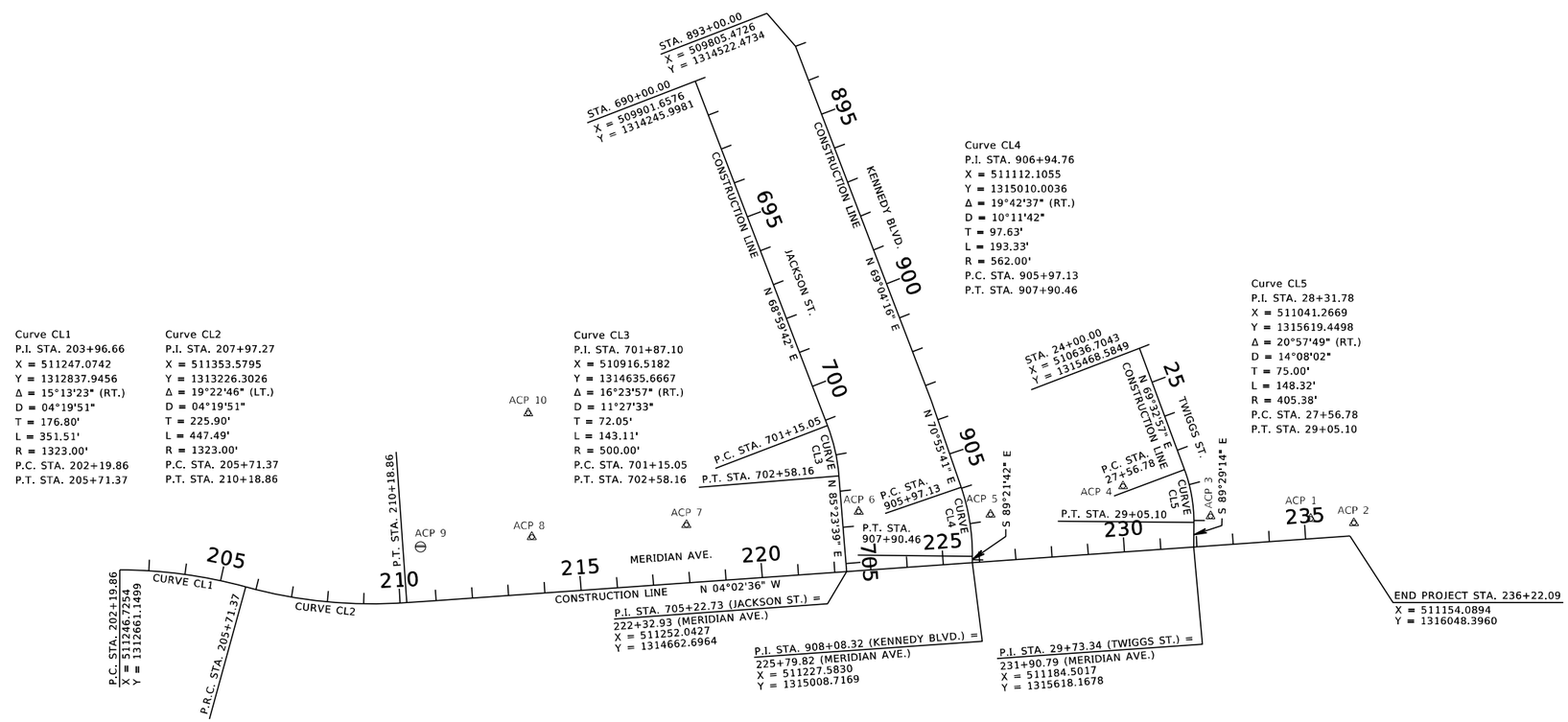
PROJECT LAYOUT

SHEET NO. 11

PROJECT NETWORK CONTROL MAP
SECTIONS 18 & 19, TOWNSHIP 29 SOUTH, RANGE 19 EAST
HILLSBOROUGH COUNTY, FLORIDA

NORTH

0 100 200 400 600
Scale: 1" = 400'



LEGEND
Δ = CURVE DELTA ANGLE
D = DEGREE OF CURVATURE
L = LENGTH OF CURVE
N/A = NOT APPLICABLE
LT. = LEFT
P.C. = POINT OF CURVATURE
P.I. = POINT OF INTERSECTION
PLS = PROFESSIONAL LAND SURVEYOR
P.O.T. = POINT ON TANGENT
P.R.C. = POINT OF REVERSE CURVATURE
P.T. = POINT OF TANGENCY
R = RADIUS
RT. = RIGHT
STA. = STATION
TP-RP = TRAVERSE POINT-REFERENCE POINT
T = TANGENT
X = EASTING STATE PLANE COORDINATE VALUE
Y = NORTHING STATE PLANE COORDINATE VALUE

PROJECT CONTROL NOTES

1. HORIZONTAL DATUM BASED ON THE FLORIDA STATE PLANE COORDINATE SYSTEM, WEST ZONE, 1983 NORTH AMERICAN DATUM, 2011 ADJUSTMENT, ESTABLISHING A BEARING OF N 04°02'36" E FROM P.T. STA. 210+18.86 TO END PROJECT STA. 236+22.09.
2. VERTICAL DATUM IS BASED ON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 88).
3. ALL DISTANCES SHOWN ARE COMBINED GRID AND DISPLAYED IN US SURVEY FEET. THE AVERAGE COMBINED SCALE FACTOR USED FOR THIS PROJECT IS 0.99996531. DIMENSIONS TAKEN FROM THESE MAPS ARE TO BE DIVIDED BY THIS FACTOR IN ORDER TO RELATE TO ACTUAL FIELD ADJUSTMENTS.
4. ANY PROJECT CONTROL MONUMENT WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A MONUMENT IS IN DANGER OF BEING DESTROYED THE PROJECT ADMINISTRATOR SHOULD NOTIFY THE DISTRICT SEVEN LOCATION SURVEYOR AND MAPPER, WITHOUT DELAY, BY TELEPHONE AT (813) 975-6781 OR BY E-MAIL AT Thomas.croonquist@dot.state.fl.us.

HORIZONTAL AND VERTICAL CONTROL

STAMPING ID	℄ STATION	OFFSET	ELEVATION (Z)	DESCRIPTION	NORTHING (Y)	EASTING (X)	LATITUDE	LONGITUDE	SCALE FACTOR
ACP1	235+17.93	55.34' LT.	17.197	5/8" CAPPED IRON ROD "TP-RP LB 6429"	1315940.5960	511106.2300	N 27° 57' 11.36624"	W 82° 26' 57.61796"	0.99996530
ACP2	N/A	N/A	18.339	5/8" CAPPED IRON ROD "TP-RP LB 6429"	1316059.4680	511117.7920	N 27° 57' 12.54372"	W 82° 26' 57.49391"	0.99996529
ACP3	232+43.35	81.71' LT.	17.959	5/8" CAPPED IRON ROD "TP-RP LB 6429"	1315664.8420	511099.2930	N 27° 57' 08.63551"	W 82° 26' 57.68401"	0.99996530
ACP4	230+08.73	181.15' LT.	17.501	5/8" CAPPED IRON ROD "TP-RP LB 6429"	1315423.7850	511016.6380	N 27° 57' 06.24558"	W 82° 26' 58.59581"	0.99996533
ACP5	226+39.35	128.83' LT.	16.769	5/8" CAPPED IRON ROD "TP-RP LB 6429"	1315059.0140	511094.8800	N 27° 57' 02.63651"	W 82° 26' 57.70839"	0.99996530
ACP6	222+77.58	162.38' LT.	16.375	5/8" CAPPED IRON ROD "TP-RP LB 6429"	1314695.7870	511086.9190	N 27° 56' 59.03959"	W 82° 26' 57.78227"	0.99996530
ACP7	218+01.95	159.41' LT.	15.014	5/8" CAPPED IRON ROD "TP-RP LB 6429"	1314221.5420	511123.4210	N 27° 56' 54.34500"	W 82° 26' 57.35581"	0.99996529
ACP8	213+74.98	156.44' LT.	12.061	5/8" CAPPED IRON ROD "TP-RP LB 6429"	1313795.8490	511156.4890	N 27° 56' 50.13104"	W 82° 26' 56.96965"	0.99996528
ACP9	210+67.60	150.71' LT.	10.667	MAG NAIL & DISK "TP-RP LB 6429"	1313489.6390	511183.8800	N 27° 56' 47.09998"	W 82° 26' 56.65168"	0.99996527
ACP10	213+89.36	497.38' LT.	15.182	5/8" CAPPED IRON ROD "TP-RP LB 6429"	1313786.1530	510815.3820	N 27° 56' 50.02261"	W 82° 27' 00.77275"	0.99996539

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

STEPHEN M. TATE, PSM
PLS LICENSE NUMBER 5242
ECHEZABAL & ASSOCIATES, INC.
108 W. COUNTRY CLUB DRIVE
TAMPA, FLORIDA 33612

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

PROJECT CONTROL

SHEET NO. 12

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 5J-17.062, F.A.C.

GENERAL NOTES:

1. BENCHMARK ELEVATIONS SHOWN ON THE PLANS ARE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

2. HORIZONTAL DATUM IS BASED ON THE FLORIDA STATE PLANE COORDINATE SYSTEM, WEST ZONE (902), NORTH AMERICAN DATUM OF 1983/2011.

3. STATIONS AND OFFSETS IN THE PLANS ARE BASED ON ℄ CONST. MERIDIAN UNLESS OTHERWISE NOTED.

4. THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNATED Vv, Vh, AND Vvh) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATIONS/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED.

COMPANY	CONTACT NAME	CONTACT NUMBER
AT&T Corp	Greg Jacobson	813-342-0512
CenturyLink	Xan Rypkema	720-888-1089
Charter	Scott Creasy	727-224-2030
City of Tampa Water	Kimani Thomas	813-274-7391
City of Tampa Wastewater	Richard Rivera	813-274-8957
Crown Castle	Chris Perkins	813-947-6009
Fiberlight	James Reese	214-205-7750
Frontier	Randy James	813-892-9692
Hillsborough County Sheriff's Office	David Arthur	813-290-2275
Hillsborough County Traffic	Robert Suess	813-612-7900 x41854
Sprint/T-Mobile	Jon Baker	321-280-9596
Tampa Electric	Jason Payne	813-275-3037
TECO Peoples Gas	James Hamilton	813-275-3712
Uniti Fiber	Terry Young	251-422-3872
Verizon	James Barra	813-928-9881
Zayo Group	Tess Bentayou	813-363-6797

5. SEE ROADWAY TYPICAL SECTIONS AND PLANS FOR LIMITS OF CONTAMINATED SOIL AND RAIL REMOVAL. SOIL SAMPLES WERE COLLECTED WITHIN THE VICINITY OF THE RAILROAD INFRASTRUCTURE AND EVALUATED FOR LEVELS OF CONTAMINATION. THE RESULTS CONCLUDED THE CONTAMINATION EXCEEDS ONE OR MORE SOIL CLEANUP TARGET LEVELS (SCTLS) PER CHAPTER 62-777, TABLE II, F.A.C. IN AREAS WITH SURFACE SOILS (0 TO 2 FEET BELOW SURFACE).

- THE FOLLOWING MEASURES ARE TO BE COMPLETED BY THE CONTRACTOR:
  - PERFORM CLEARING AND GRUBBING AND EXCAVATION OPERATIONS TO REMOVE THE EXISTING RAILROAD INFRASTRUCTURE INCLUDING, BUT NOT LIMITED TO, RAIL, RAILROAD TIES, BALLAST ROCK, SUB-BALLAST MATERIAL, AND SOILS TWO FEET BENEATH THE SURFACE AS INDICATED IN THE ROADWAY PLANS.
  - WITHIN THE SAME 24 HOUR PERIOD OF EXCAVATION OPERATIONS, SEPARATE CONTAMINATED SOIL FROM BALLAST ROCK AND PLACE CONTAMINATED SOIL IN A DUMP TRUCK FOR DISPOSAL TO AN APPROVED LANDFILL SITE.
  - DISPOSE OF ALL OTHER CLEARED AND GRUBBED MATERIAL, INCLUDING BALLAST ROCK.

6. EXISTING DRAINAGE STRUCTURES ARE TO REMAIN UNLESS OTHERWISE NOTED.

7. USE CAUTION WHEN EXCAVATING NEAR THE EXISTING FABRIC-FORMED RIPRAP LINED DITCH IDENTIFIED IN THE PLANS. DITCH LINING IS NOT TO BE DISTURBED.

8. FOR CONTAMINATED SOILS, COORDINATE POSSIBLE DEWATERING FOR DRAINAGE STRUCTURES AND PIPE INSTALLATIONS DUE TO HIGH WATER TABLE.

9. USE CAUTION WHEN CLEARING AND GRUBBING AND PREPARING FINISHED GRADES ADJACENT TO THE MERIDIAN AVENUE LANDSCAPING FEATURES BETWEEN THE SHARED USE PATH AND EASTERLY MOST RAILROAD TRACK.

10. THE EXISTING RAILROAD SAFETY BUMPER LOCATED WITHIN THEA'S RIGHT-OF-WAY AT THE END OF THE PROJECT MUST BE PRESERVED. USE CAUTION WHEN REMOVING THE EXISTING RAIL BALLAST AND SUB-BALLAST WITHIN THIS AREA TO NOT DISTURB THE RAILROAD SAFETY BUMPER, ITS RAIL FASTENERS, AND OTHER ATTACHMENTS AS APPLICABLE TO THE EXISTING CONDITIONS.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

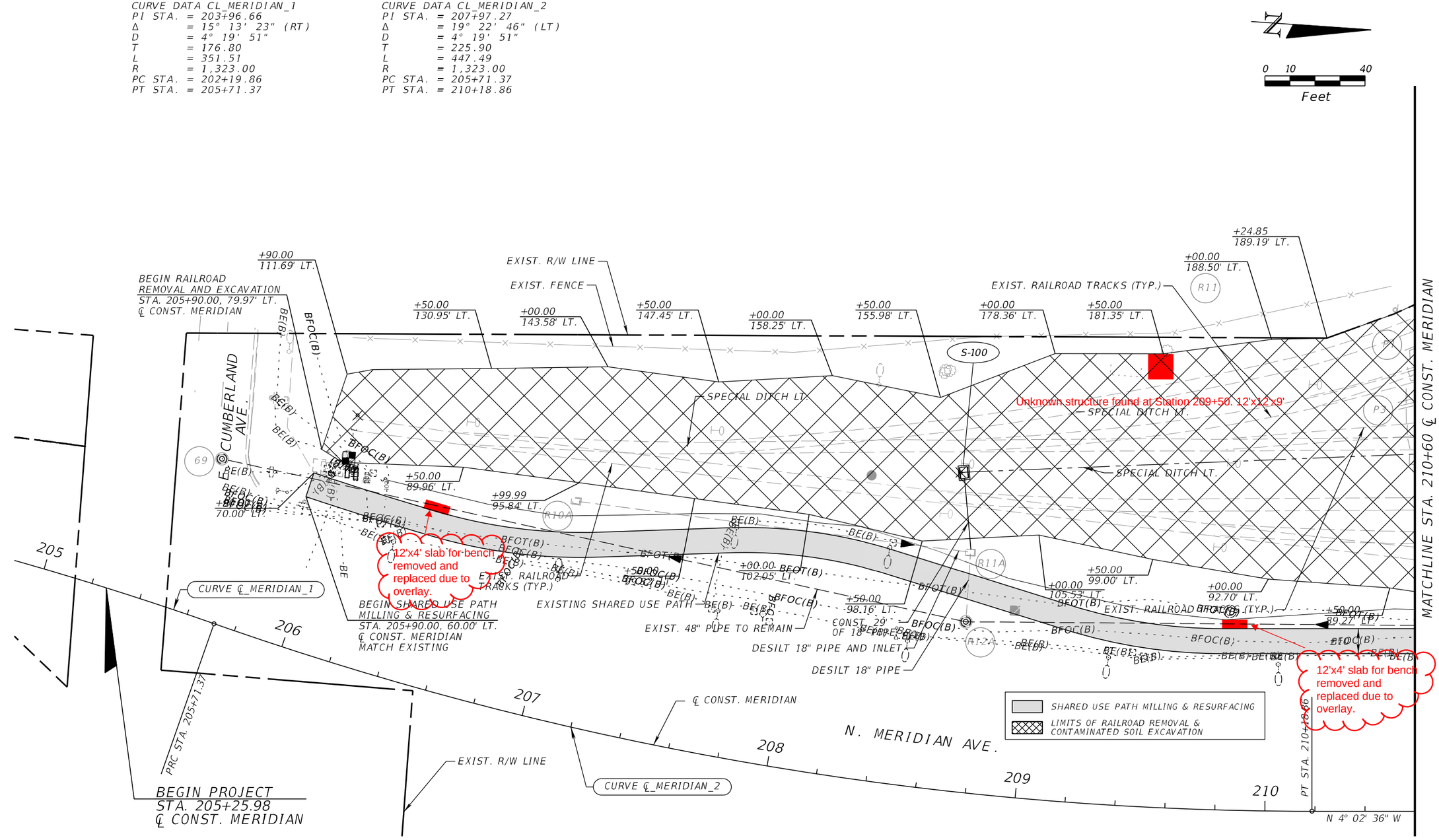
ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

GENERAL NOTES

SHEET NO. 13

CURVE DATA CL_MERIDIAN_1
PI STA. = 203+96.66
Δ = 15° 13' 23" (RT)
D = 4° 19' 51"
T = 176.80
L = 351.51
R = 1,323.00
PC STA. = 202+19.86
PT STA. = 205+71.37

CURVE DATA CL_MERIDIAN_2
PI STA. = 207+97.27
Δ = 19° 22' 46" (LT)
D = 4° 19' 51"
T = 225.90
L = 447.49
R = 1,323.00
PC STA. = 205+71.37
PT STA. = 210+18.86



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

ROADWAY PLAN (1)

SHEET NO. 14

MATCHLINE ROADWAY PLAN (7)

CURVE DATA BL_SPUR_EX1
PI STA. = 12+63.57
Δ = 62° 25' 16" (LT)
D = 13° 10' 15"
T = 263.57
L = 473.93
R = 435.02
PC STA. = 10+00.00
PT STA. = 14+73.93

CURVE ℄ SPUR_EX1
℄ CONST. SPUR
EXIST. R/W LINE
EXIST. RAILROAD TRACKS (TYP.)
11+00.00 1.48' LT.
11+40.00 2.82' LT.
10+83.10 0.75' LT.
EXIST. FENCE TO BE REMOVED
11+50.00 74.78' RT.
TYPE B FENCE W/ VINYL COATING
BEGIN TYPE B FENCE W/ VINYL COATING
BEGIN FENCE REMOVAL
STA. 11+14.45, 79.44' RT.
MATCH EXIST.
11+00.00 49.92' RT.
EXIST. 48" PIPE TO REMAIN
EXIST. FABRIC-FORMED RIPRAP LINED DITCH TO REMAIN
REMOVE EXIST. INLET
REMOVE EXIST. INLET
+11.42 227.29' LT.
+16.42 236.42' LT.
+12.31 229.41' LT.
+00.00 217.58' LT.
+50.00 217.94' LT.
+00.00 218.29' LT.
+50.00 218.65' LT.
EXIST. RAILROAD TRACKS (TYP.)
EXIST. FENCE TO REMAIN
+00.00 219.00' LT.
+50.00 219.35' LT.
+00.00 219.18' LT.
REPLACE EXIST. GRATE W/ ALT. G HOT DIPPED GALVANIZED GRATE
+50.00 215.12' LT.
EXIST. 48" PIPE TO REMAIN
REMOVE EXIST. PIPES
EXIST. 42" PIPE TO REMAIN
EXIST. 48" PIPE TO REMAIN
SPECIAL DITCH LT.
SPECIAL DITCH LT.
+00.00 82.09' LT.
+50.00 84.18' LT.
+00.00 85.07' LT.
+50.00 86.22' LT.
+00.00 85.73' LT.
+50.00 86.45' LT.
+00.00 85.68' LT.
+50.00 86.65' LT.
+00.00 86.50' LT.
+50.00 86.23' LT.
+00.00 87.32' LT.
EXIST. RAILROAD TRACKS (TYP.)
CONST. 16" DIP
S-101
REMOVE EXIST. INLET AND 15" PIPE
EXISTING SHARED USE PATH
EXIST. 48" PIPE TO REMAIN
SHARED USE PATH MILLING & RESURFACING
LIMITS OF RAILROAD REMOVAL & CONTAMINATED SOIL EXCAVATION
℄ CONST. MERIDIAN
N. MERIDIAN AVE.
N 4° 02' 36" W
0 10 40
Feet

MATCHLINE STA. 210+60 ℄ CONST. MERIDIAN

MATCHLINE STA. 216+20 ℄ CONST. MERIDIAN

VOID

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

ROADWAY PLAN (2)

SHEET NO. 15

MATCHLINE ROADWAY PLAN (7)

CURVE DATA BL_SPUR_EX1
PI STA. = 12+63.57
Δ = 62° 25' 16" (LT)
D = 13° 10' 15"
T = 263.57
L = 473.93
R = 435.02
PC STA. = 10+00.00
PT STA. = 14+73.93

11+00.00 1.48' LT.
11+40.00 2.82' LT.
℄ CURVE ℄_SPUR_EX1
10+83.10 0.75' LT.
EXIST. R/W LINE
EXIST. RAILROAD TRACKS (TYP.)
℄ CONST. SPUR
EXIST. FENCE TO BE REMOVED
11+50.00 74.78' RT.
TYPE B FENCE W/ VINYL COATING
BEGIN TYPE B FENCE W/ VINYL COATING
BEGIN FENCE REMOVAL
STA. 11+14.45, 79.44' RT.
MATCH EXIST.
EXIST. 48" PIPE TO REMAIN
EXIST. FABRIC-FORMED RIPRAP LINED DITCH TO REMAIN
11+00.00 49.92' RT.
EXIST. INLET TO BE CAPPED & BURIED
REMOVE EXIST. INLET
+00.00 218.29' LT.
+50.00 217.94' LT.
EXIST. INLET TO BE CAPPED & BURIED
+00.00 217.58' LT.
REMOVE EXIST. INLET
EXIST. RAILROAD TRACKS (TYP.)
EXIST. FENCE TO REMAIN
+50.00 218.65' LT.
+00.00 219.00' LT.
+50.00 219.35' LT.
+00.00 219.18' LT.
+11.42 227.49' LT.
Structure found at 210+90. Per RFI 9, structure removed.
+16.42 236.42' LT.
+12.31 229.41' LT.
REPLACE EXIST. GRATE W/ ALT. G (HOT DIPPED GALVANIZED GRATE
+50.00 215.12' LT.
EXIST. 48" PIPE TO REMAIN
PLUG HOLE FOR EXIST. PIPE (NORTH)
REMOVE EXIST. PIPES
EXIST. 42" PIPE TO REMAIN
EXIST. 48" PIPE TO REMAIN
SPECIAL DITCH LT.
SPECIAL DITCH LT.
EXIST. 48" PIPE TO REMAIN
REMOVE EXIST. INLET AND 15" PIPE
EXISTING SHARED USE PATH
EXIST. RAILROAD TRACKS (TYP.)
CONST. 16' DIA. PIPE
12'x4' slab for bench removed and replaced due to overlay.
S-101
SHARED USE PATH MILLING & RESURFACING
LIMITS OF RAILROAD REMOVAL & FINAL GRADING 1
℄ CONST. MERIDIAN
N. MERIDIAN AVE.
211 212 213 214 215 216
N 4° 02' 36" W
MATCHLINE STA. 210+60 ℄ CONST. MERIDIAN
MATCHLINE STA. 216+20 ℄ CONST. MERIDIAN
0 10 40
Feet

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
6/13/23	1 LEGEND UPDATED		

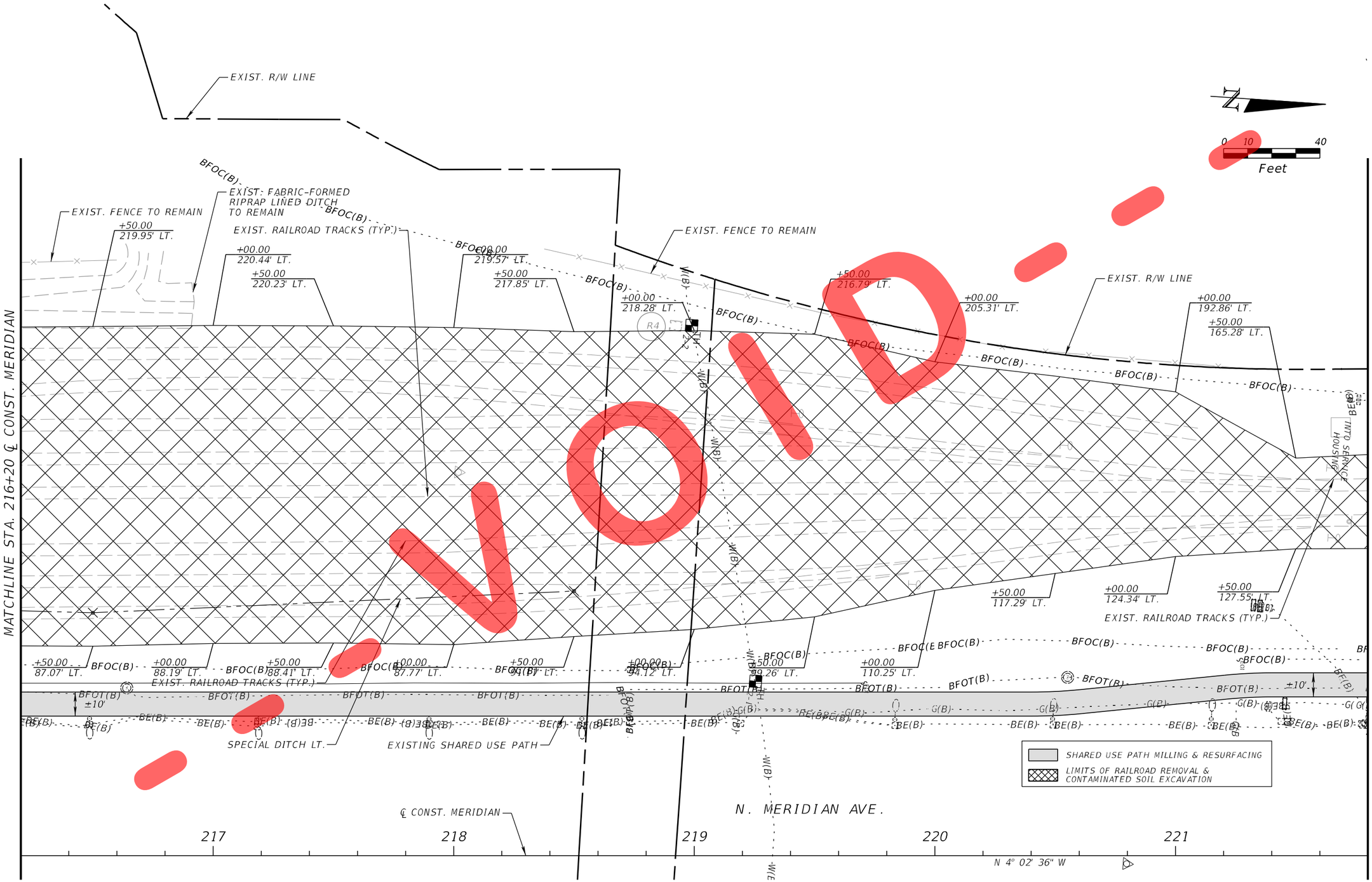
Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

ROADWAY PLAN (2)

SHEET NO. 15



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

ROADWAY PLAN (3)

SHEET NO. 16

MATCHLINE STA. 216+20 ℄ CONST. MERIDIAN

MATCHLINE STA. 221+80 ℄ CONST. MERIDIAN

EXIST. R/W LINE

EXIST. FENCE TO REMAIN

+50.00
219.95' LT.

BFOC(B)

EXIST. FABRIC-FORMED RIPRAP LINED DITCH TO REMAIN

+00.00
220.44' LT.

+50.00
220.23' LT.

EXIST. RAILROAD TRACKS (TYP.)

+00.00
219.57' LT.

+50.00
217.85' LT.

EXIST. FENCE TO REMAIN

+00.00
218.28' LT.

+50.00
216.79' LT.

EXIST. INLET & PIPE TO REMAIN

+00.00
205.31' LT.

EXIST. R/W LINE

+00.00
192.86' LT.

+50.00
165.28' LT.

R4

-2-

W(B)

+50.00
116.14' LT.

+00.00
122.28' LT.

+50.00
126.65' LT.

+00.00
109.60' LT.

EXIST. RAILROAD TRACKS (TYP.)

+50.00
87.07' LT.

+00.00
88.19' LT.

+50.00
88.41' LT.

+00.00
87.77' LT.

+50.00
94.12' LT.

+00.00
99.26' LT.

15'x7' slab for bike rack removed and replaced due to overlay.

BFOT(B)
±10'

12'x4' slab for bench removed and replaced due to overlay.

SPECIAL DITCH LT.

EXISTING SHARED USE PATH

SHARED USE PATH MILLING & RESURFACING

LIMITS OF RAILROAD REMOVAL & FINAL GRADING 1

℄ CONST. MERIDIAN

N. MERIDIAN AVE.

217 218 219 220 221

N 4° 02' 36" W

0 10 40
Feet

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
6/13/23	1 LEGEND AND LIMITS UPDATED		

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

ROADWAY PLAN (3)

SHEET NO. 16

NOTE: SEE ROADWAY SPECIAL DETAILS FOR ADDITIONAL INFORMATION RELATED TO THE ROADWAY CROSSINGS, SIDEWALK, AND CURB AND GUTTER IMPROVEMENTS.

CURVE DATA CL_JACKSON_3
PI STA. = 701+87.10
Δ = 16° 23' 57" (RT)
D = 11° 27' 33"
T = 72.05
L = 143.11
R = 500.00
PC STA. = 701+15.05
PT STA. = 702+58.16

CURVE DATA CL_KENNEDY_5
PI STA. = 906+94.76
Δ = 19° 42' 37" (RT)
D = 10° 11' 42"
T = 97.63
L = 193.33
R = 562.00
PC STA. = 905+97.13
PT STA. = 907+90.46

BEGIN MILLING & RESURFACING
STA. 702+00.00, 0.00' RT.
℄ CONST. JACKSON

702+00.00
24.19' RT.

702+00.00
25.19' LT.

℄ CONST. JACKSON

CURVE ℄ JACKSON_3

PC STA. 702+58.16

BEGIN ROADWAY RECONSTRUCTION
STA. 222+10.29, 165.50' LT.

END ROADWAY RECONSTRUCTION
STA. 222+64.68, 165.50' LT.

BEGIN MILLING & RESURFACING
STA. 906+02.00, 0.00' LT.
℄ CONST. KENNEDY

EXIST. FENCE TO REMAIN
EXIST. R/W LINE

BEGIN ROADWAY RECONSTRUCTION
STA. 225+63.82, 167.50' LT.

PC STA. 905+97.13

906+02.00
10.74' LT.

906+02.00
25.66' LT.

EXIST. R/W LINE

EXIST. RAILROAD TRACKS (TYP.)

END ROADWAY RECONSTRUCTION
STA. 226+07.64, 167.50' LT.

EXIST. FENCE

+16.50
176.74' LT.

+27.52
170.53' LT.

+00.00
172.89' LT.

+50.00
172.41' LT.

+97.93
180.00' LT.

+78.92
170.03' LT.

+90.80
172.04' LT.

+50.00
170.84' LT.

+00.00
171.83' LT.

+50.00
173.35' LT.

+00.00
173.96' LT.

+51.27
169.08' LT.

+50.00
144.91' LT.

+56.22
140.11' LT.

+67.80
146.34' LT.

+50.00
142.37' LT.

+36.66
145.60' LT.

+20.46
146.68' LT.

+00.00
146.01' LT.

+00.00
128.91' LT.

+77.34
128.70' LT.

+50.00
132.44' LT.

+00.00
136.86' LT.

+50.00
141.28' LT.

+00.00
144.36' LT.

+10.48
129.50' LT.

+98.29
129.90' LT.

+65.11
129.50' LT.

+95.25
76.00' LT.

6'x5' bus bench removed and replaced due to overlay.

BEGIN SHARED USE PATH MILLING & RESURFACING
STA. 222+77.36, 6.00' LT.
℄ CONST. MERIDIAN

EXISTING SHARED USE PATH

10'x10'ADA ramp removed and replaced due to overlay.

END SHARED USE PATH MILLING & RESURFACING
STA. 225+92.00, 6.00' LT.
℄ CONST. MERIDIAN

704+73.89
40.26' LT.

END SHARED USE PATH MILLING & RESURFACING
STA. 221+95.35, 66.00' LT.
℄ CONST. MERIDIAN

END MILLING & RESURFACING
STA. 704+72.96, 0.00' LT.
℄ CONST. JACKSON

END MILLING & RESURFACING
STA. 907+55.48, 0.00' LT.
℄ CONST. KENNEDY

907+57.96
26.45' RT.

PT STA. 907+90.46

907+53.43
23.91' LT.

907+55.21
133.59' LT.

STA. 908+08.32
℄ CONST. KENNEDY =
STA. 225+79.82
℄ CONST. MERIDIAN

STA. 705+22.73
℄ CONST. JACKSON =
STA. 222+32.93
℄ CONST. MERIDIAN

℄ CONST. MERIDIAN

ROADWAY MILLING & RESURFACING
SHARED USE PATH MILLING & RESURFACING
LIMITS OF RAILROAD REMOVAL & CONTAMINATED SOIL EXCAVATION

N. MERIDIAN AVE.

N 70° 55' 41" E

N 4° 02' 36" W

S 86° 21' 42" E

0 10 40
Feet

MATCHLINE STA. 221+80 ℄ CONST. MERIDIAN

MATCHLINE STA. 227+40 ℄ CONST. MERIDIAN

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

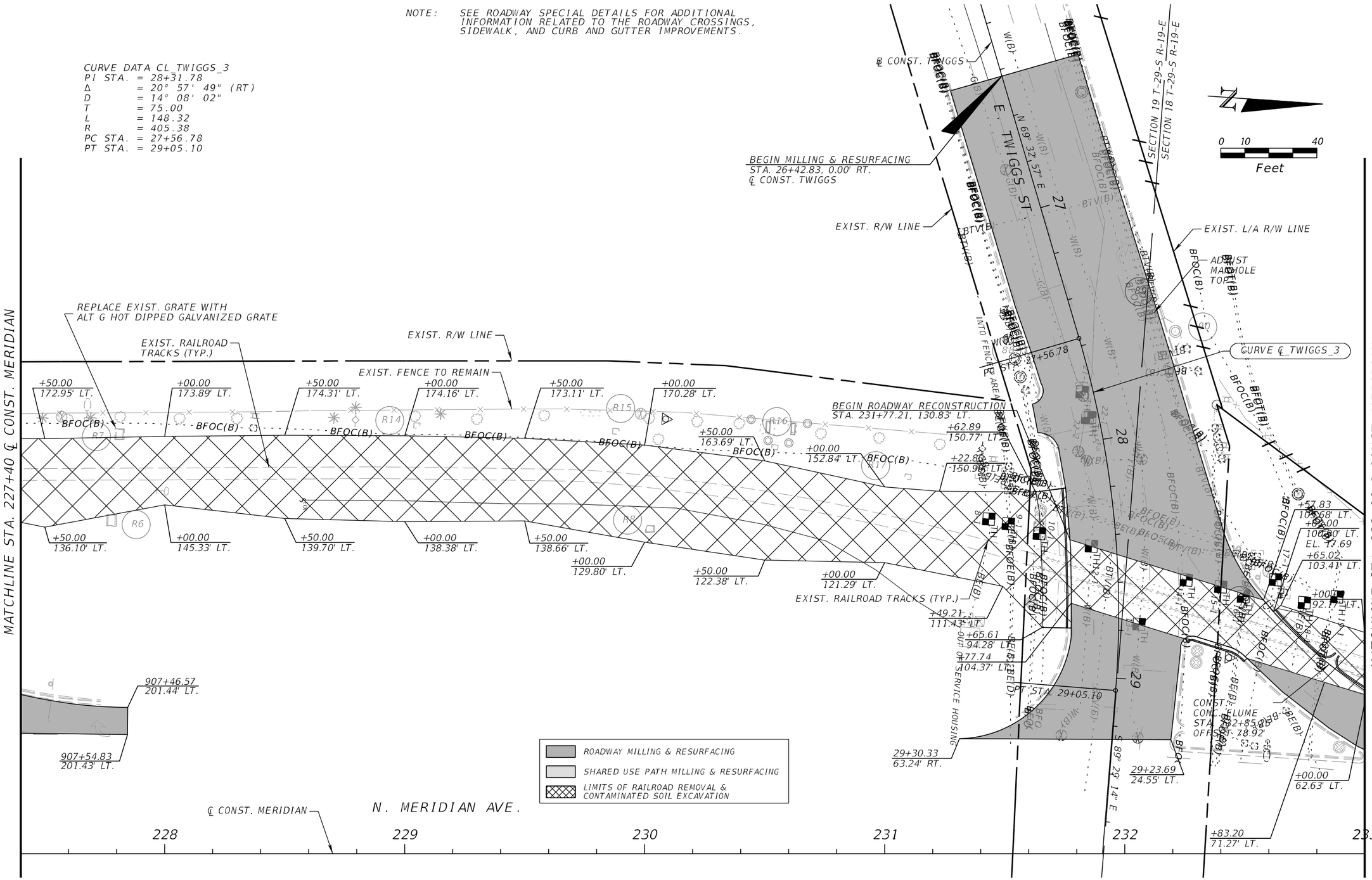
ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

ROADWAY PLAN (4)

SHEET NO. 17

NOTE: SEE ROADWAY SPECIAL DETAILS FOR ADDITIONAL INFORMATION RELATED TO THE ROADWAY CROSSINGS, SIDEWALK, AND CURB AND GUTTER IMPROVEMENTS.

CURVE DATA CL_TWIGGS_3
PI STA. = 28+31.78
Δ = 20° 57' 49" (RT)
D = 14° 08' 02"
T = 75.00
L = 148.32
R = 405.38
PC STA. = 27+56.78
PT STA. = 29+05.10



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

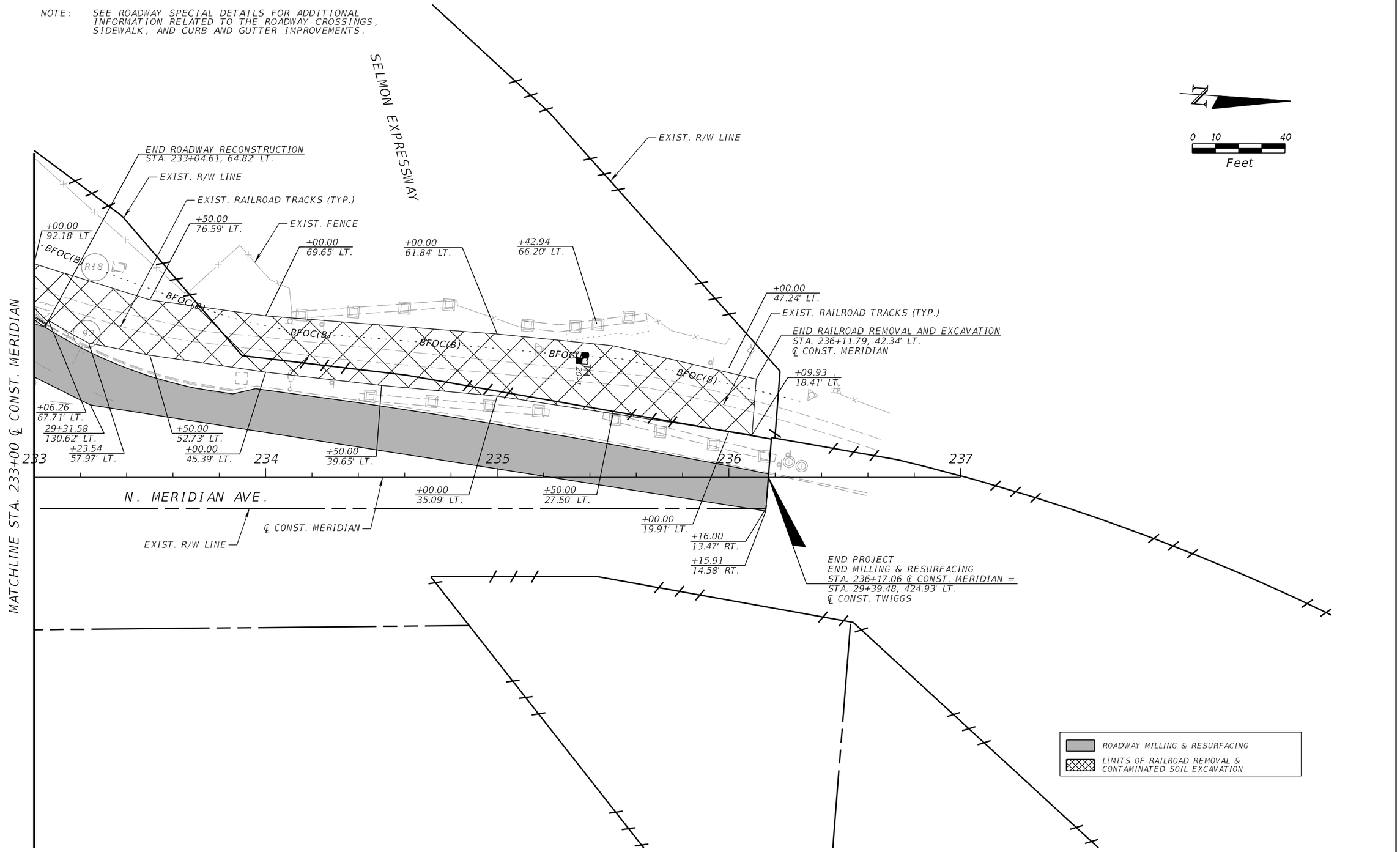
ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

ROADWAY PLAN (5)

SHEET NO. 18

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

NOTE: SEE ROADWAY SPECIAL DETAILS FOR ADDITIONAL INFORMATION RELATED TO THE ROADWAY CROSSINGS, SIDEWALK, AND CURB AND GUTTER IMPROVEMENTS.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

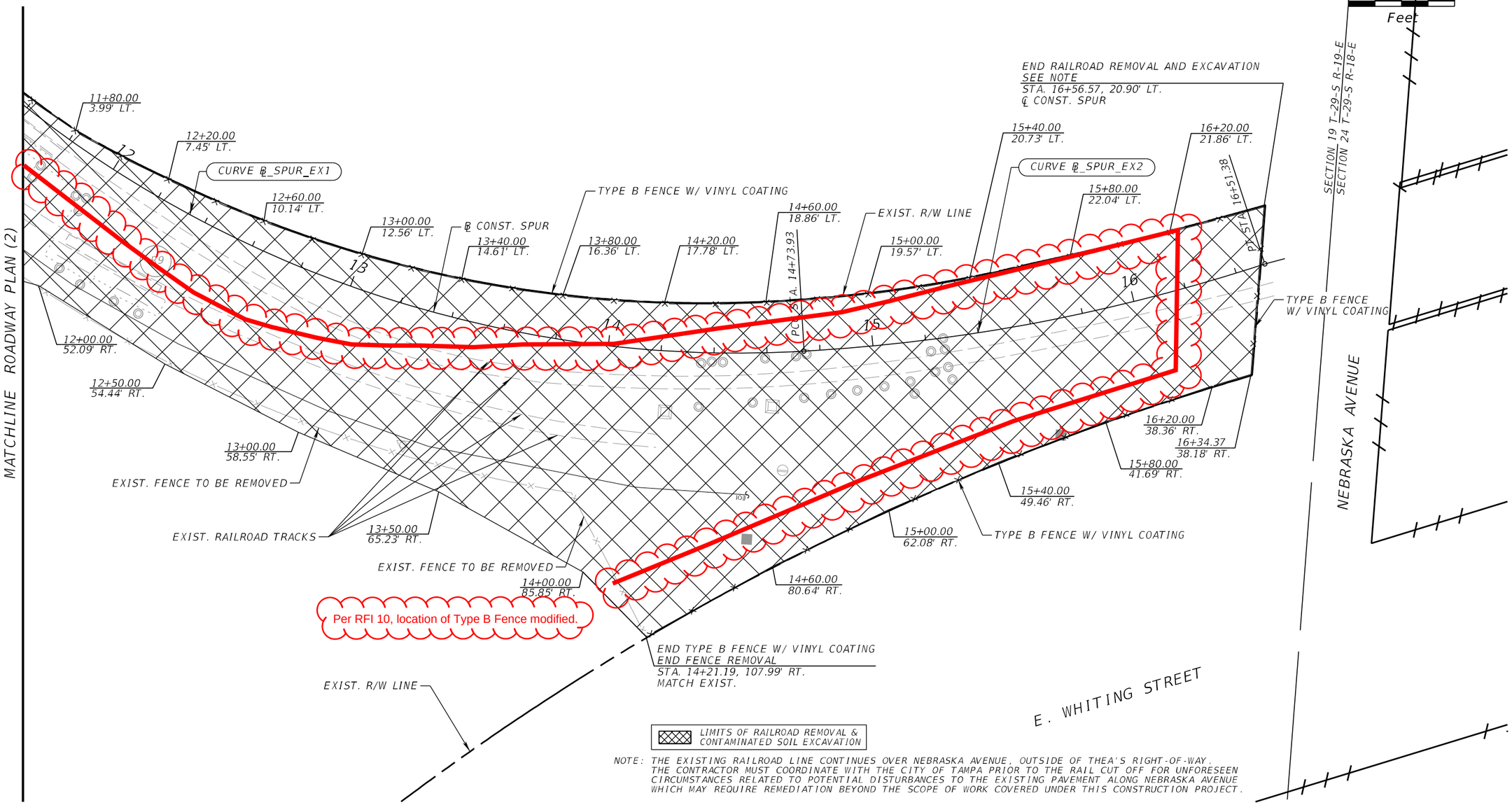
ROADWAY PLAN (6)

SHEET NO. 19

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

CURVE DATA BL_SPUR_EX1
PI STA. = 12+63.57
Δ = 62° 25' 16" (LT)
D = 13° 10' 15"
T = 263.57
L = 473.93
R = 435.02
PC STA. = 10+00.00
PT STA. = 14+73.93

CURVE DATA BL_SPUR_EX2
PI STA. = 15+63.16
Δ = 14° 51' 52" (LT)
D = 8° 22' 36"
T = 89.23
L = 177.45
R = 683.99
PC STA. = 14+73.93
PT STA. = 16+51.38



NOTE: THE EXISTING RAILROAD LINE CONTINUES OVER NEBRASKA AVENUE, OUTSIDE OF THEA'S RIGHT-OF-WAY. THE CONTRACTOR MUST COORDINATE WITH THE CITY OF TAMPA PRIOR TO THE RAIL CUT OFF FOR UNFORESEEN CIRCUMSTANCES RELATED TO POTENTIAL DISTURBANCES TO THE EXISTING PAVEMENT ALONG NEBRASKA AVENUE WHICH MAY REQUIRE REMEDIATION BEYOND THE SCOPE OF WORK COVERED UNDER THIS CONSTRUCTION PROJECT.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

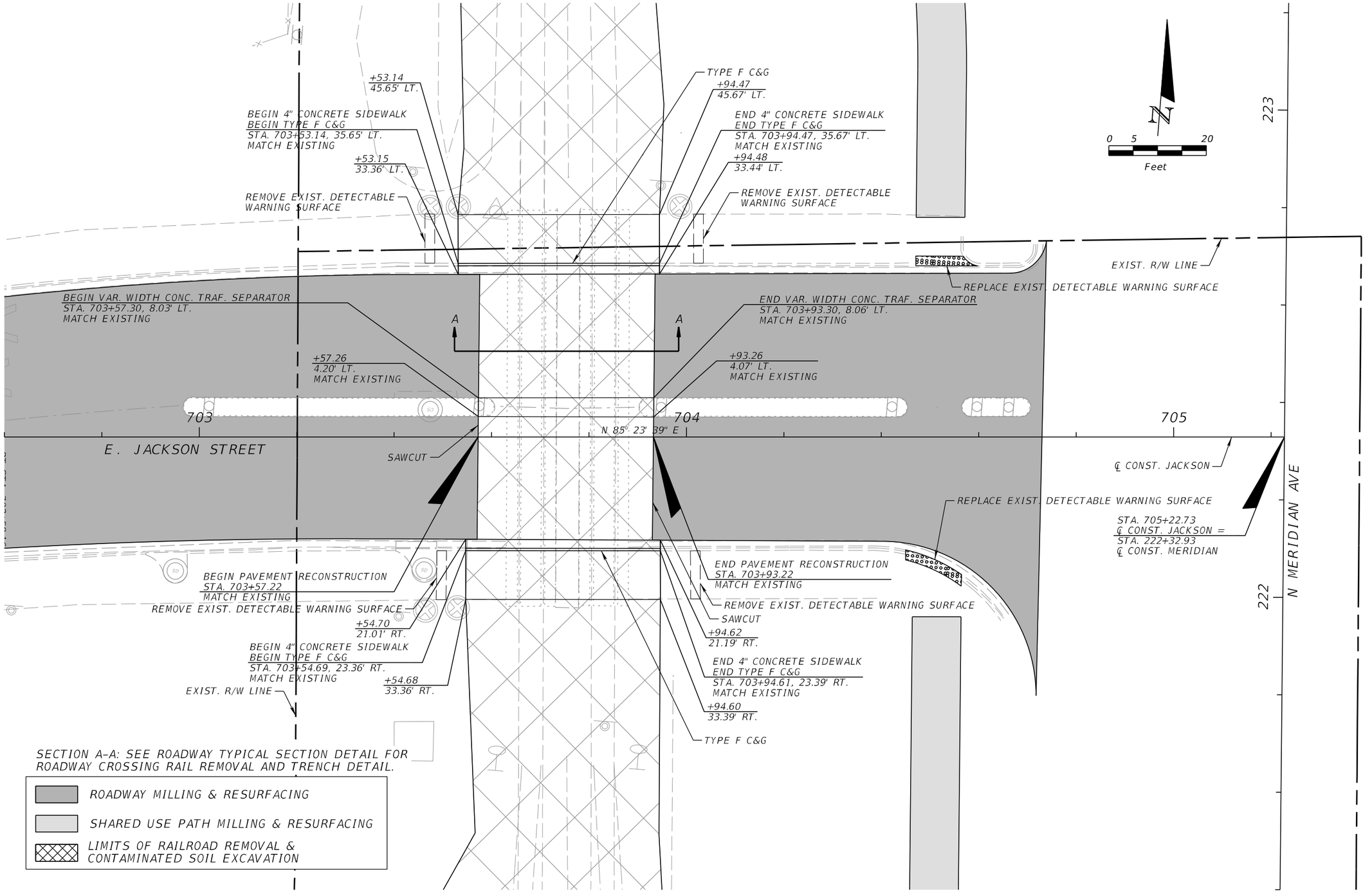
Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

ROADWAY PLAN (7)

SHEET NO. 20



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

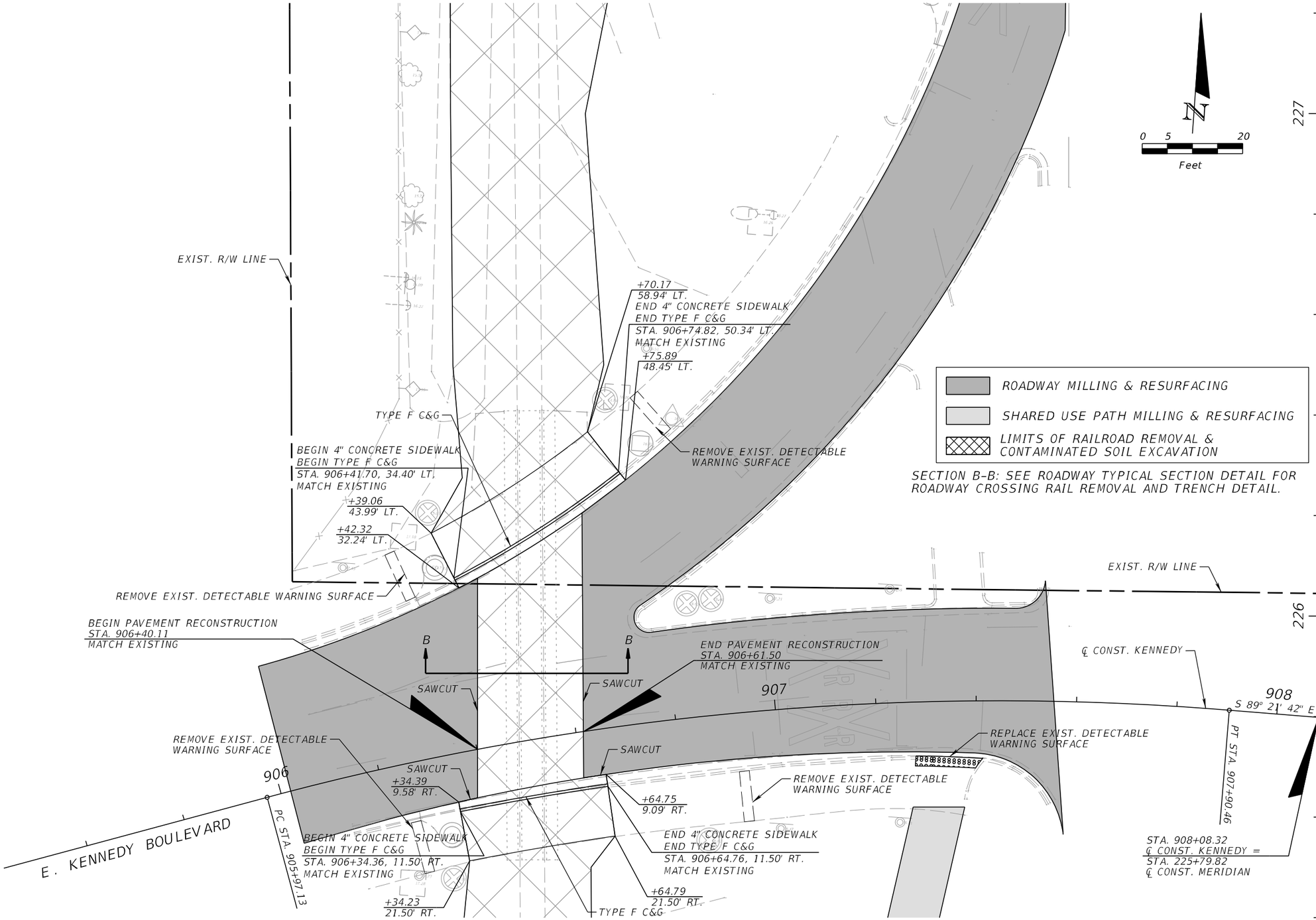
TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

SPECIAL DETAIL (1)

SHEET NO. 21

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



SECTION B-B: SEE ROADWAY TYPICAL SECTION DETAIL FOR ROADWAY CROSSING RAIL REMOVAL AND TRENCH DETAIL.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

SPECIAL DETAIL (2)

SHEET NO. 22

ROADWAY MILLING & RESURFACING

SHARED USE PATH MILLING & RESURFACING

LIMITS OF RAILROAD REMOVAL & CONTAMINATED SOIL EXCAVATION

SECTION C-C: SEE ROADWAY TYPICAL SECTION DETAIL FOR ROADWAY CROSSING RAIL REMOVAL AND TRENCH DETAIL.

EXIST. R/W LINE

BEGIN TYPE F C&G
STA. 28+87.26, 91.91' LT.
EL. 17.20

END TYPE F C&G
STA. 28+86.54, 90.75' LT.
EL. 17.20

TYPE F C&G

+72.28
64.51' LT.

BEGIN TYPE F C&G
STA. 28+71.50, 65.62' LT.
MATCH EXISTING

TYPE F C&G

+00.83
108.35' LT.

END TYPE F C&G
STA. 28+99.66, 109.06' LT.
MATCH EXISTING

CONST. CONC. SPILLWAY

END TYPE F C&G
STA. 28+89.46, 53.87' LT.
MATCH EXISTING

EXIST. R/W LINE

BEGIN TYPE F C&G
STA. 28+82.78, 27.74' LT.
MATCH EXISTING

EXIST. R/W LINE

SAWCUT

BEGIN PAVEMENT RECONSTRUCTION
STA. 28+48.34
MATCH EXISTING

END PAVEMENT RECONSTRUCTION
STA. 28+74.92
MATCH EXISTING

SECTION 02 T-29-S R-19-E
SECTION 01 T-29-S R-19-E

℄ CONST. TWIGGS

28

29

S 89° 29' 14" E

C

C

SAWCUT

SAWCUT

SAWCUT

PT STA. 29+05.10

PC STA. 27+56.78

E. TWIGGS STREET

+17.95
31.17' RT.

10'

+79.32
31.83' RT.

+26.27
30.62' RT.

+43.21
19.05' RT.
MATCH EXISTING

BEGIN 4" CONCRETE SIDEWALK
BEGIN TYPE F C&G
STA. 28+17.95, 20.12' RT.
MATCH EXISTING

+65.29
19.67' RT.
MATCH EXISTING

TYPE F C&G

END 4" CONCRETE SIDEWALK
END TYPE F C&G
STA. 28+79.34, 21.83' RT.
MATCH EXISTING

STA. 29+73.34
℄ CONST. TWIGGS =
STA. 231+90.79
℄ CONST. MERIDIAN

EXIST. R/W LINE

N

0 5 20
Feet

233

232

N MERIDIAN AVE

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

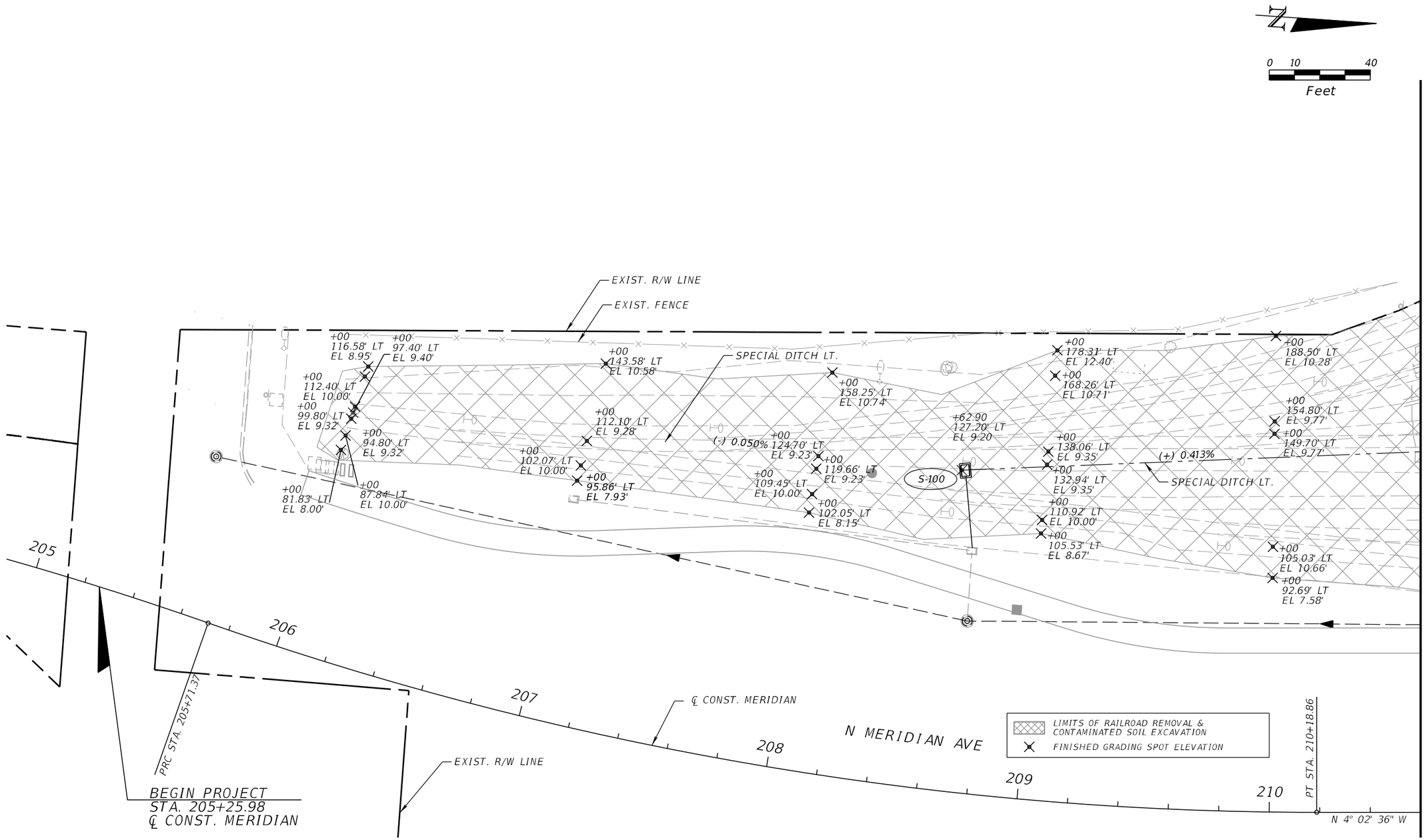
Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

SPECIAL DETAIL (3)

SHEET NO. 23



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Anthony Fromen, P.E.
P.E. No.: 90984

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

GRADING PLAN (1)

SHEET NO. 24

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

MATCHLINE GRADING PLAN (7)

MATCHLINE STA. 210+60 ℄ CONST. MERIDIAN

MATCHLINE STA. 216+20 ℄ CONST. MERIDIAN

11+00.00
1.48' LT.
EL. 13.49

11+40.00
2.82' LT.
EL. 13.95

10+83.10
0.75' LT.
EL. 13.25

EXIST. R/W LINE

℄ CONST. SPUR

+00
2.00' LT
EL 13.50'

11+50.00
74.78' RT.
EL. 12.90

+00
49.90' RT
EL 12.70'

+00
2.90' RT
EL 12.50'

+00
234.10' LT
EL 11.70'

+00
221.10' LT
EL 11.68'

+00
214.90' LT
EL 10.40'

+00
82.40' RT
EL 10.90'

+00
178.40' LT
EL 10.90'

+00
164.22' LT
EL 12.09'

+00
162.60' LT
EL 11.43'

+00
155.20' LT
EL 10.59'

+00
155.20' LT
EL 10.18'

(+) 0.413%

SPECIAL DITCH LT.

+50
150.50' LT
EL 10.80'

+00
112.42' LT
EL 11.47'

S-101

+00
95.91' LT
EL 11.81'

+22.25
98.85' LT
EL 10.00'

+00
85.68' LT
EL 9.25'

(+) 0.300%

+00
96.16' LT
EL 11.16'

+00
93.77' LT
EL 11.62'

+00
85.07' LT
EL 9.45'

+00
82.10' LT
EL 7.65'

EL. 9.20'

EL. 9.00'

EL. 9.50'

+00
217.58' LT
EL 10.93'

+00
215.90' LT
EL 11.43'

EL. 9.90'

+00
218.30' LT
EL 11.80'

+00
217.30' LT
EL 12.20'

EL. 10.20'

+00
219.00' LT
EL 12.60'

EL. 10.60'

+00
217.80' LT
EL 13.10'

EL. 10.90'

EL. 11.20'

+00
219.70' LT
EL 13.70'

+00
219.20' LT
EL 13.90'

+00
163.20' LT
EL 13.20'

+00
163.10' LT
EL 14.10'

+00
163.00' LT
EL 15.10'

+00
113.60' LT
EL 12.20'

+00
101.73' LT
EL 10.40'

SPECIAL DITCH LT.

(+) 0.200%

+00
91.20' LT
EL 11.30'

+00
85.70' LT
EL 9.90'

+00
118.20' LT
EL 13.20'

+00
91.60 LT
EL 11.90'

+00
86.20' LT
EL 10.60'

+00
123.00' LT
EL 14.30'

+00
102.35' LT
EL 11.20'

+00
93.00' LT
EL 12.40'

+00
87.30' LT
EL 10.90'

Z

0 10 40
Feet

LIMITS OF RAILROAD REMOVAL & CONTAMINATED SOIL EXCAVATION

FINISHED GRADING SPOT ELEVATION

EXISTING SPOT ELEVATION TO REMAIN

℄ CONST. MERIDIAN

N MERIDIAN AVE

211 212 213 214 215 216

N 4° 02' 36" W

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

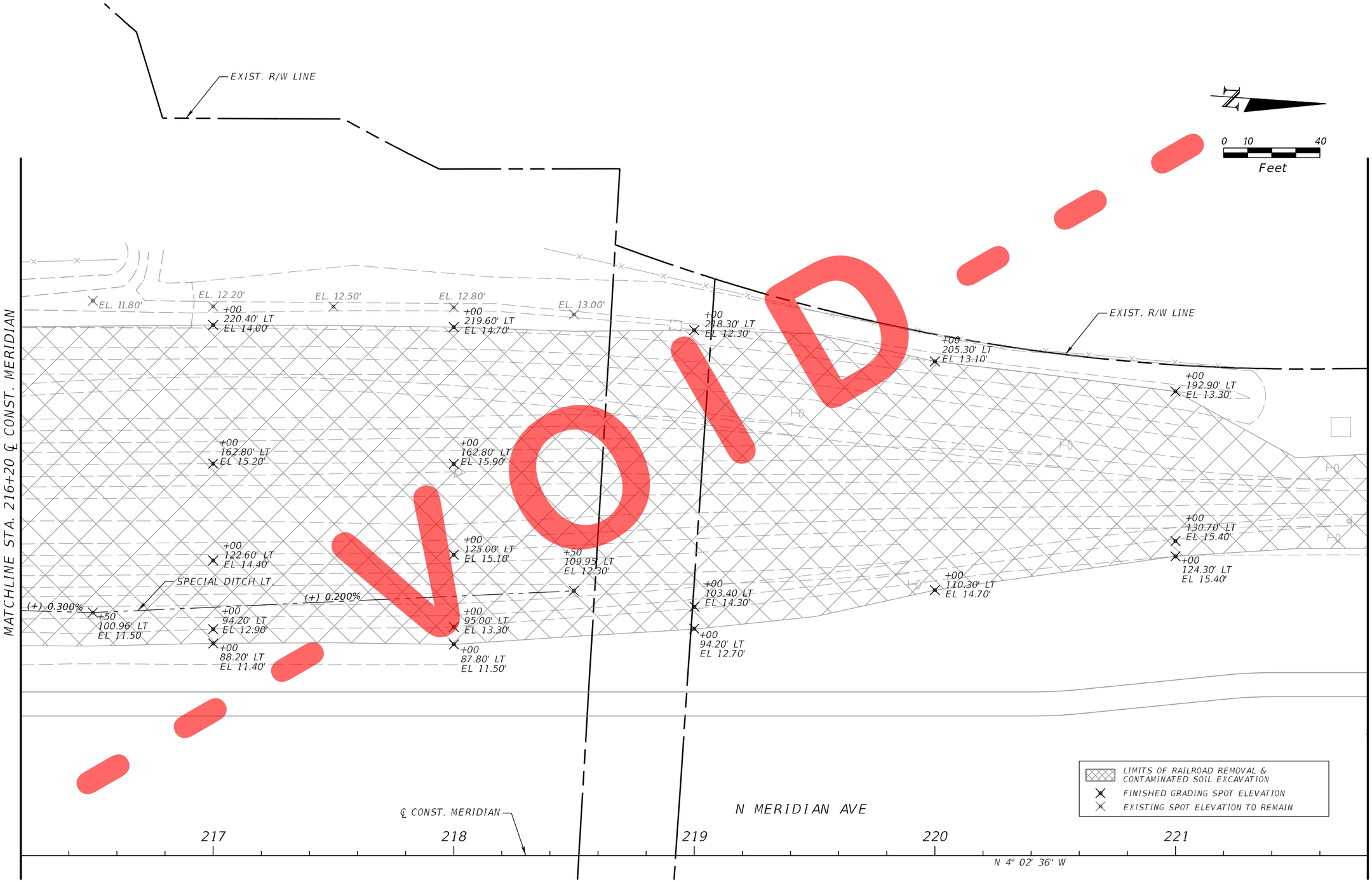
Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Anthony Fromen, P.E.
P.E. No.: 90984

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

GRADING PLAN (2)

SHEET NO. 25



VOID

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Anthony Fromen, P.E.
P.E. No.: 90984

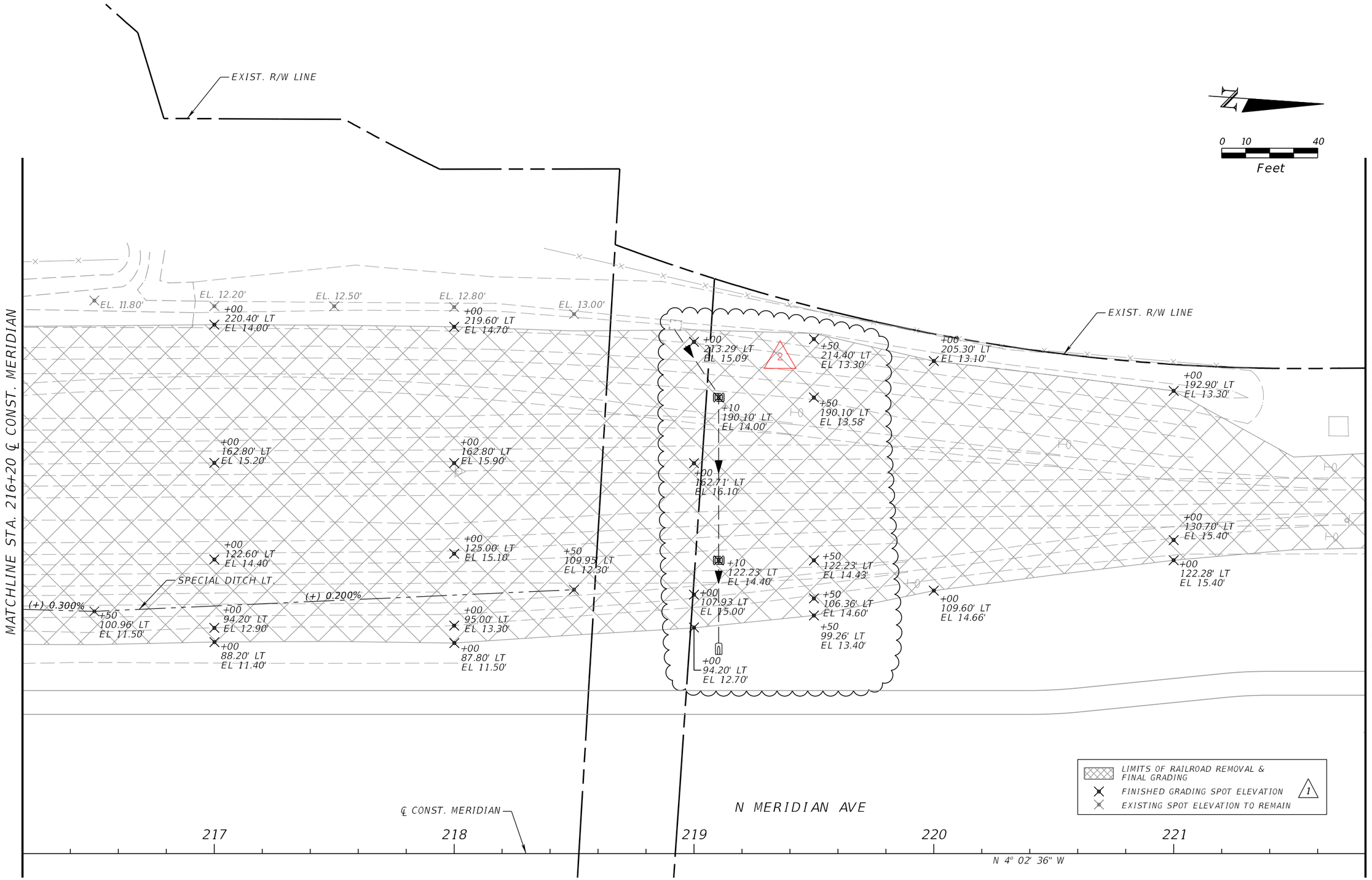
TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

GRADING PLAN (3)

SHEET NO. 26

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
6/13/23	1 ENG. OF RECORD & LEGEND UPDATED		

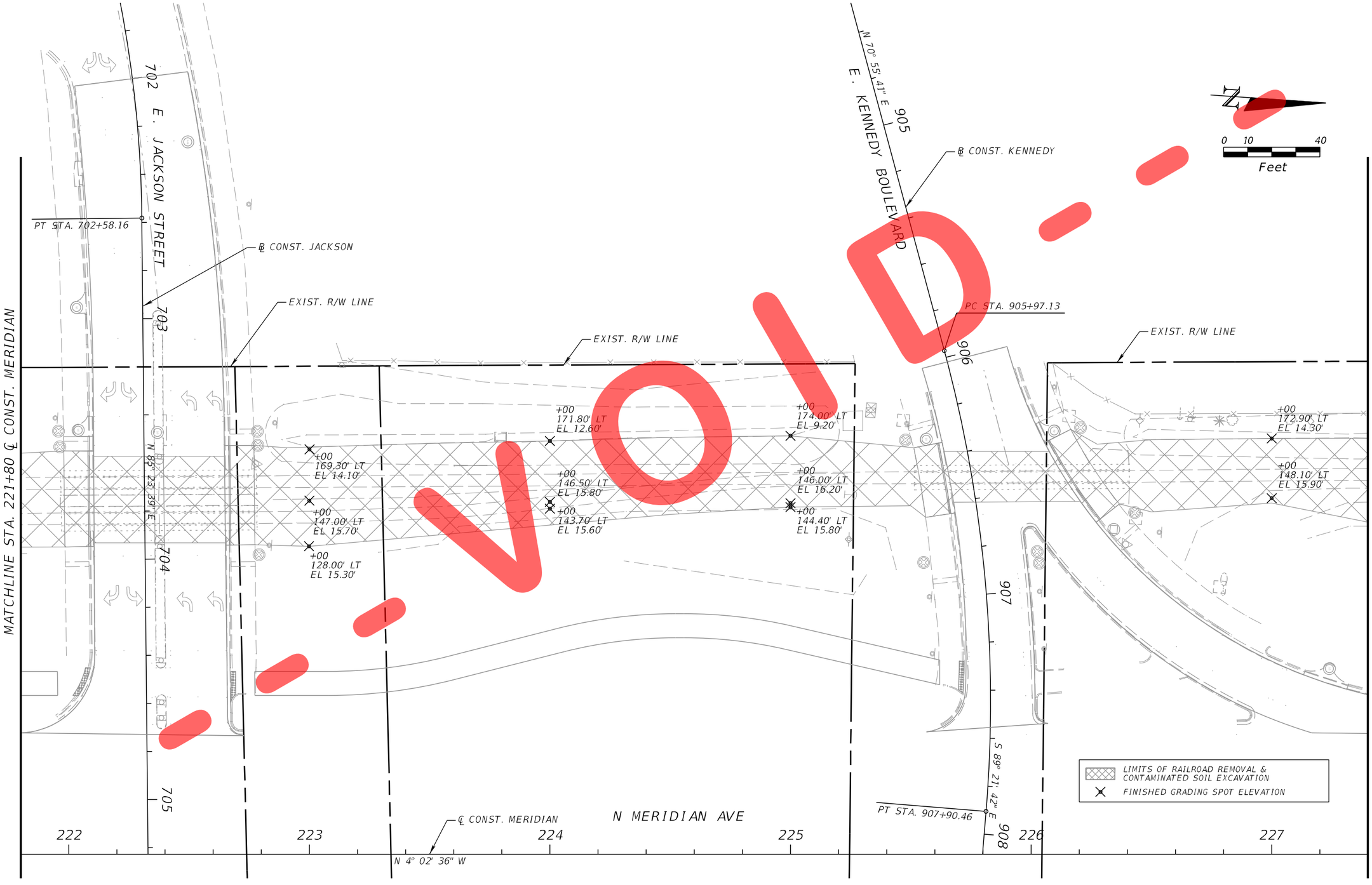
Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Curtis Sprunger, P.E.
P.E. No.: 66524 1

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

GRADING PLAN (3)

SHEET NO. 26



VOID

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Anthony Fromen, P.E.
P.E. No.: 90984

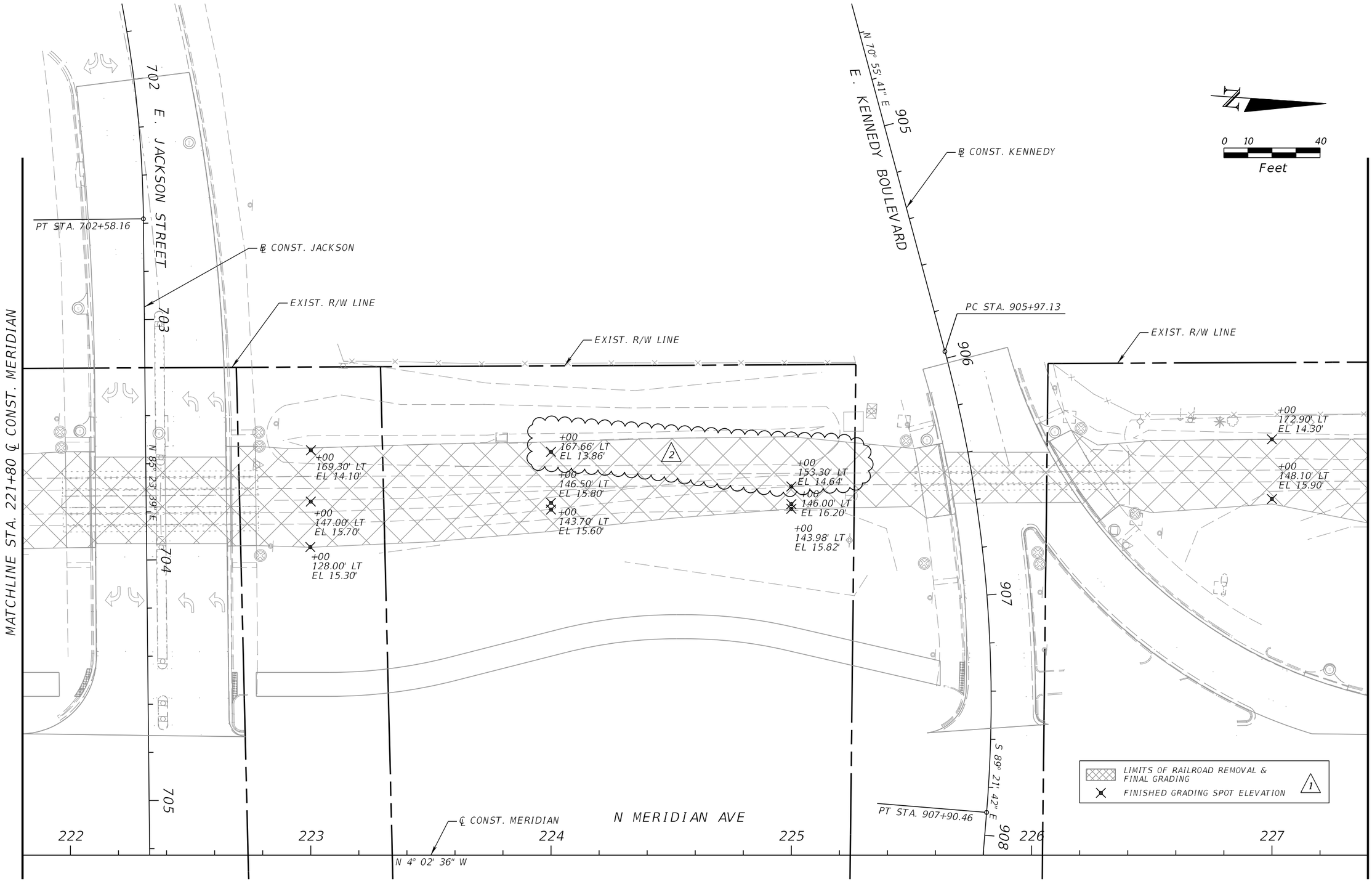
TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

GRADING PLAN (4)

SHEET NO. 27

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
6/13/23	1 ENG. OF RECORD & LEGEND UPDATED		
1/26/24	2 GRADING REVISED		

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Curtis Sprunger, P.E.
P.E. No.: 66524 1

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

GRADING PLAN (4)

SHEET NO. 27

℄ CONST. TWIGGS

EXIST. R/W LINE

E. TWIGGS STREET

N 69° 32' 57" E

27

28

29

SECTION 19 T-29-S R-19-E

SECTION 18 T-29-S R-19-E

EXIST. L/A R/W LINE

N

0 10 40

Feet

PC STA. 27+56.78

PT STA. 29+05.10

S 89° 29' 14" E

MATCHLINE STA. 227+40 ℄ CONST. MERIDIAN

EXIST. R/W LINE

+00 173.90' LT EL 14.40'

+00 157.40' LT EL 17.20'

+00 157.40' LT EL 17.20'

+00 145.30' LT EL 15.70'

+00 174.20' LT EL 14.90'

+00 157.70' LT EL 17.70'

+00 157.70' LT EL 17.70'

+00 138.30' LT EL 15.30'

+00 170.30' LT EL 15.20'

+00 150.30' LT EL 18.60'

+00 142.40' LT EL 17.00'

+00 152.80' LT EL 16.20'

+00 134.90' LT EL 19.20'

+00 121.30' LT EL 17.50'

MATCHLINE STA. 233+00 ℄ CONST. MERIDIAN

LIMITS OF RAILROAD REMOVAL & CONTAMINATED SOIL EXCAVATION

FINISHED GRADING SPOT ELEVATION

℄ CONST. MERIDIAN

N MERIDIAN AVE

228 229 230 231 232 233

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

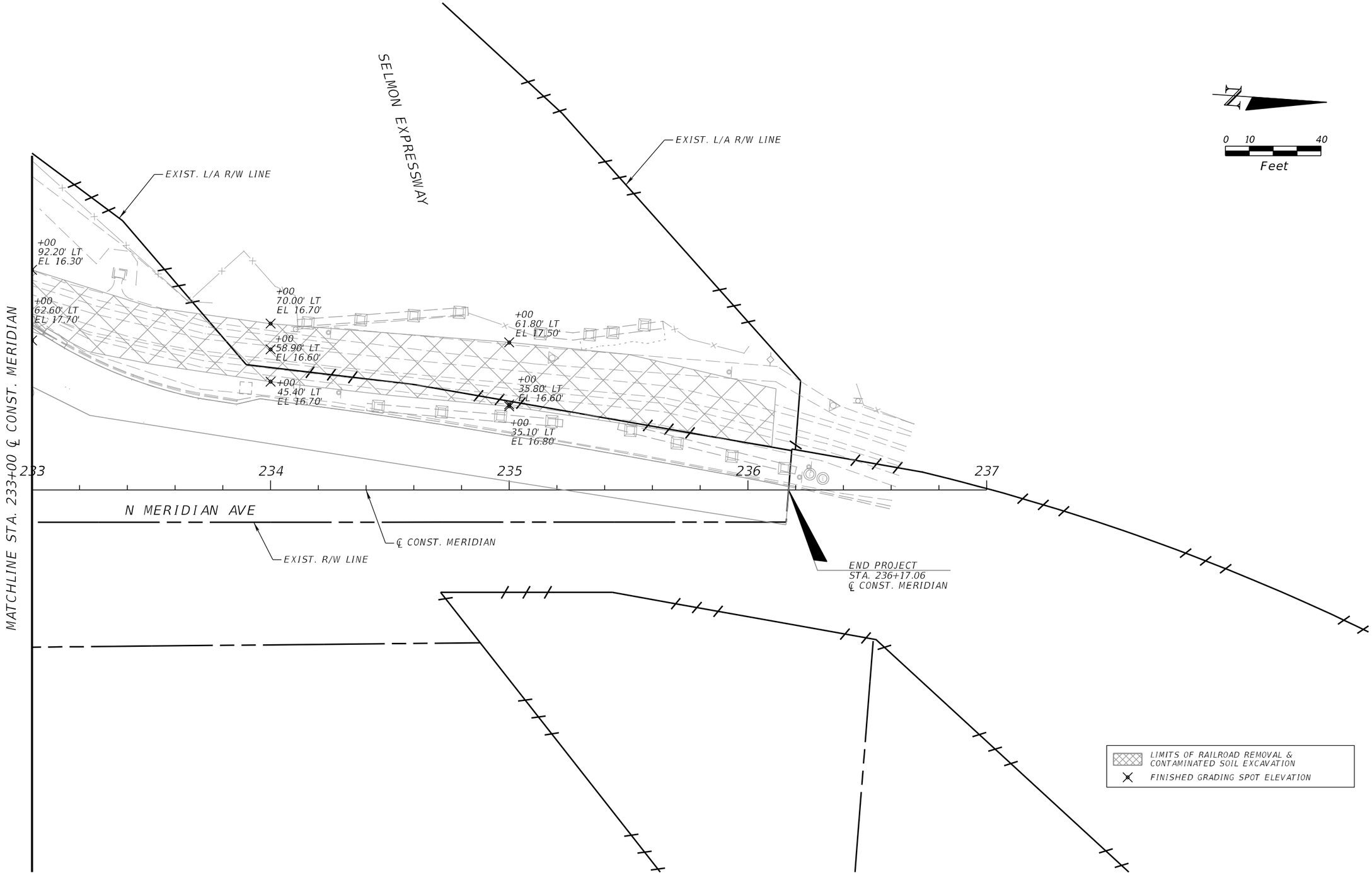
Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Anthony Fromen, P.E.
P.E. No.: 90984

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

GRADING PLAN (5)

SHEET NO. 28



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Anthony Fromen, P.E.
P.E. No.: 90984

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

GRADING PLAN (6)

SHEET NO. 29

MATCHLINE GRADING PLAN (2)

11+80.00
3.99' LT.
EL. 14.55

12+20.00
7.45' LT.
EL. 14.70

12+00.00
+00
5.00' LT
EL 14.60'

12+60.00
10.20' LT.
EL. 14.94

+00
32.40' RT
EL 15.80'

+00
52.10' RT
EL 13.90'

12+00.00
52.09' RT.
EL. 13.87

12+50.00
54.44' RT.
EL. 14.19

13+00.00
12.56' LT.
EL. 15.14

℄ CONST. SPUR

13+40.00
14.61' LT.
EL. 15.48

13+00
3.50' RT
EL 15.60'

+00
32.20' RT
EL 15.70'

+00
58.60' RT
EL 13.90'

13+00.00
58.55' RT.
EL. 13.91

13+80.00
16.36' LT.
EL. 15.80

14+20.00
17.78' LT.
EL. 15.83

+00
11.00' LT
EL 16.00'

+00
30.60' RT
EL 16.70'

+00
64.20' RT
EL 16.10'

13+50.00
65.23' RT.
EL. 14.84

+00
85.90' RT
EL 16.50'

14+00.00
85.85' RT.
EL. 16.46

14+60.00
18.86' LT.
EL. 15.14

PCC STA. 14+73.93

EXIST. R/W LINE

15+00.00
19.57' LT.
EL. 16.21

+00
10.40' LT
EL 16.30'

+00
33.50' RT
EL 17.80'

+00
54.40' RT
EL 17.60'

14+60.00
80.64' RT.
EL. 17.42

15+40.00
20.73' LT.
EL. 16.65

15+80.00
22.04' LT.
EL. 16.76

+00
14.40' LT
EL 16.70'

+00
7.50' RT
EL 17.10'

15+40.00
49.46' RT.
EL. 17.63

15+00.00
62.08' RT.
EL. 17.55

16+20.00
21.86' LT.
EL. 16.58

PT STA 16+51.38

16+20.00
38.36' RT.
EL. 17.02

15+80.00
41.69' RT.
EL. 17.61

EXIST. R/W LINE

E. WHITING STREET

SECTION 19 T-29-S R-19-E
SECTION 24 T-29-S R-18-E

NEBRASKA AVENUE

0 10 40
Feet

LIMITS OF RAILROAD REMOVAL & CONTAMINATED SOIL EXCAVATION

FINISHED GRADING SPOT ELEVATION

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Anthony Fromen, P.E.
P.E. No.: 90984

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

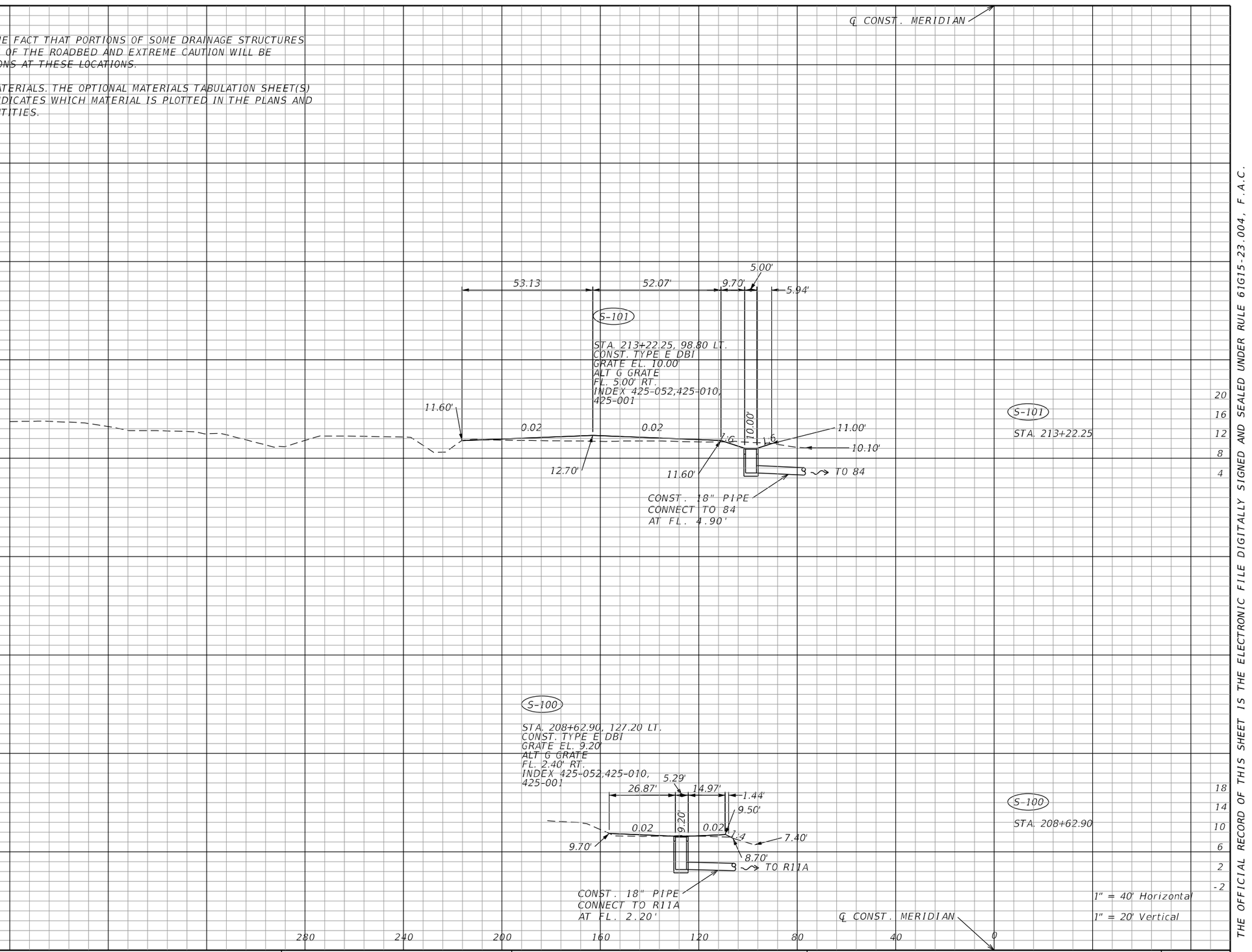
ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

GRADING PLAN (7)

SHEET NO. 30

(1) SPECIAL ATTENTION IS DIRECTED TO THE FACT THAT PORTIONS OF SOME DRAINAGE STRUCTURES EXTEND INTO THE STABILIZED PORTION OF THE ROADBED AND EXTREME CAUTION WILL BE NECESSARY IN STABILIZATION OPERATIONS AT THESE LOCATIONS.

(2) ALL DRAINAGE PIPES HAVE OPTIONAL MATERIALS. THE OPTIONAL MATERIALS TABULATION SHEET(S) SHOWS ALL MATERIALS ALLOWED AND INDICATES WHICH MATERIAL IS PLOTTED IN THE PLANS AND AND USED AS THE BASIS FOR PAY QUANTITIES.



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

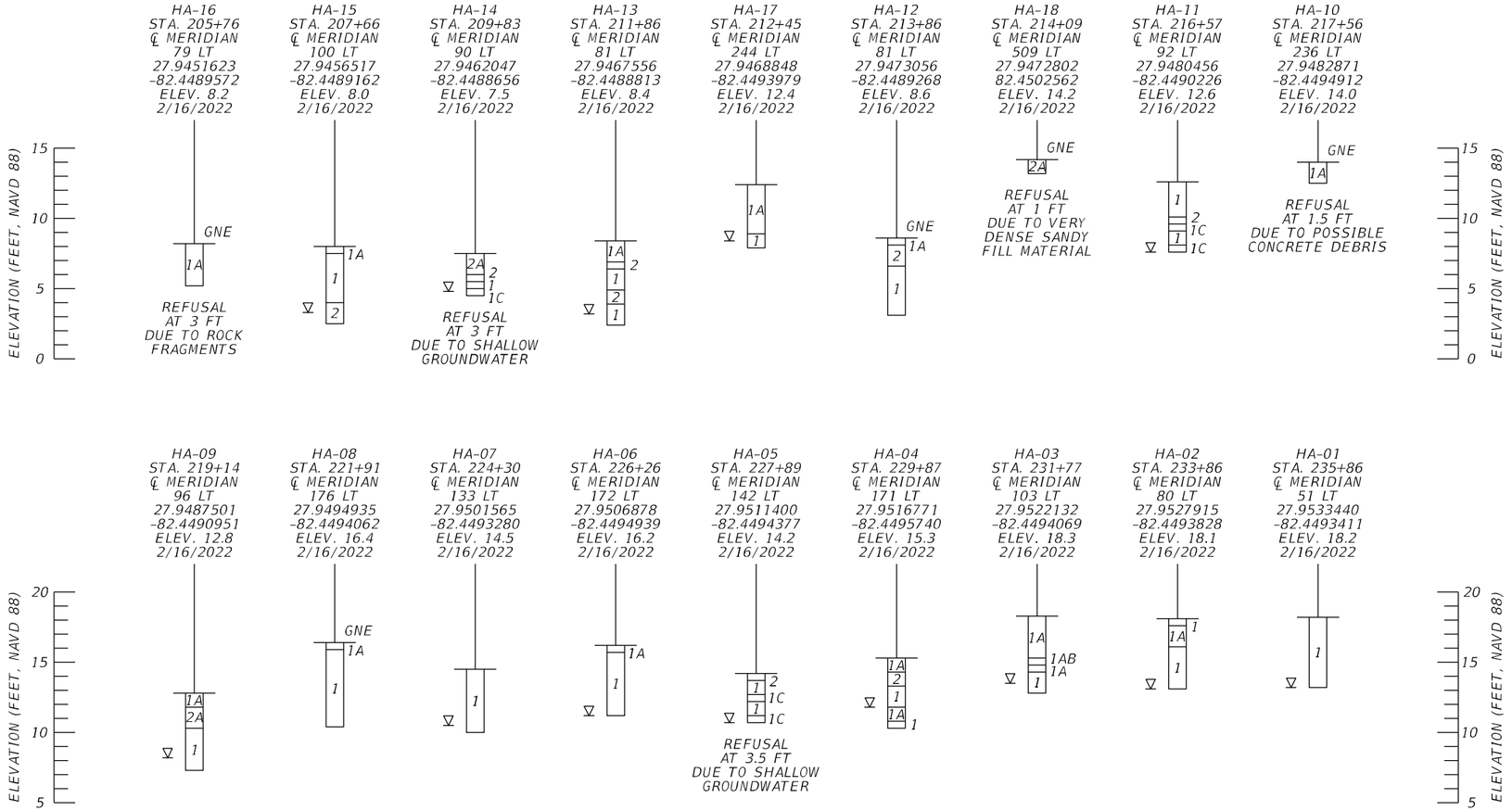
Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Anthony Fromen, P.E.
P.E. No.: 90984

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

DRAINAGE STRUCTURES

SHEET NO. 31



LEGEND

1. LIGHT BROWN TO BROWN TO ORANGE BROWN TO DARK BROWN TO GRAY TO LIGHT GRAY FINE SAND (A-3)
2. LIGHT BROWN TO BROWN TO ORANGE BROWN SILTY FINE SAND (A-2-4)

A WITH ROCK FRAGMENTS

B WITH BRICK DEBRIS

C WITH TRACE ORGANICS

A-3 AASHTO SOIL CLASSIFICATION GROUP SYMBOL AS DETERMINED BY VISUAL REVIEW AND/OR LABORATORY TESTING

▽ GROUNDWATER LEVEL ENCOUNTERED DURING INVESTIGATION

GNE GROUNDWATER TABLE NOT ENCOUNTERED

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

KIRK M. EASTMAN, P.E.
P.E. LICENSE NUMBER 50733
AREHNA ENGINEERING, INC.
5012 W. LEMON STREET
TAMPA, FLORIDA 33609

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

ROADWAY SOIL SURVEY

SHEET NO. 32

DATE OF SURVEY: FEBRUARY 2022
SURVEY MADE BY: AREHNA ENGINEERING, INC.
SUBMITTED BY: KIRK M. EASTMAN, P.E.

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

DISTRICT: THEA
ROAD NO.:
COUNTY: HILLSBOROUGH

THEA MISC. DESIGN & CEI CONTRACT NO. O-00619D
PROJECT NAME: THEA CSX RR TRACK REMOVAL

CROSS SECTION SOIL SURVEY FOR THE DESIGN OF ROADS

SURVEY BEGINS STA. : N/A SURVEY ENDS STA. : N/A

REFERENCE: N/A

	ORGANIC CONTENT		MOISTURE CONTENT		SIEVE ANALYSIS RESULTS PERCENT PASS (%)						ATTERBERG LIMITS (%)					CORROSION TEST RESULTS				
STRATUM NO.	NO. OF TESTS	% ORGANIC	NO. OF TESTS	MOISTURE CONTENT	NO. OF TESTS	10 MESH	40 MESH	60 MESH	100 MESH	200 MESH	NO. OF TESTS	LIQUID LIMIT	PLASTIC INDEX	AASHTO GROUP	DESCRIPTION	NO. OF TESTS	RESISTIVITY ohm-cm	CHLORIDE ppm	SULFATES ppm	pH
1	1	4	4	2-19	4	96-100	88-93	70-71	27-30	3-10	--	--	--	A-3	LIGHT BROWN TO BROWN TO ORANGE BROWN TO DARK BROWN TO GRAY TO LIGHT GRAY FINE SAND	--	--	--	--	--
2	--	--	6	6-19	6	83-99	59-93	45-73	29-37	11-20	--	--	--	A-2-4	LIGHT BROWN TO BROWN TO ORANGE BROWN SILTY FINE SAND	--	--	--	--	--

EMBANKMENT AND SUBGRADE MATERIAL

STRATA BOUNDARIES ARE APPROXIMATE. MAKE FINAL CHECK AFTER GRADING.

∇ - WATER TABLE ENCOUNTERED

GNE - GROUNDWATER NOT ENCOUNTERED

A - WITH ROCK FRAGMENTS

B - WITH BRICK DEBRIS

C - WITH TRACE ORGANICS

NOTES:

1. THE MATERIAL FROM STRATUM 1 (A-3) APPEARS SATISFACTORY FOR USE IN THE EMBANKMENT WHEN UTILIZED IN ACCORDANCE WITH STANDARD PLANS, INDEX 120-001.

2. THE MATERIAL FROM STRATUM 2 (A-2-4) APPEARS SATISFACTORY FOR USE IN THE EMBANKMENT WHEN UTILIZED IN ACCORDANCE WITH STANDARD PLANS, INDEX 120-001. HOWEVER, THIS MATERIAL IS LIKELY TO RETAIN EXCESS MOISTURE AND MAY BE DIFFICULT TO DRY AND COMPACT. IT SHOULD BE USED IN THE EMBANKMENT ABOVE THE WATER LEVEL EXISTING AT THE TIME OF CONSTRUCTION.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

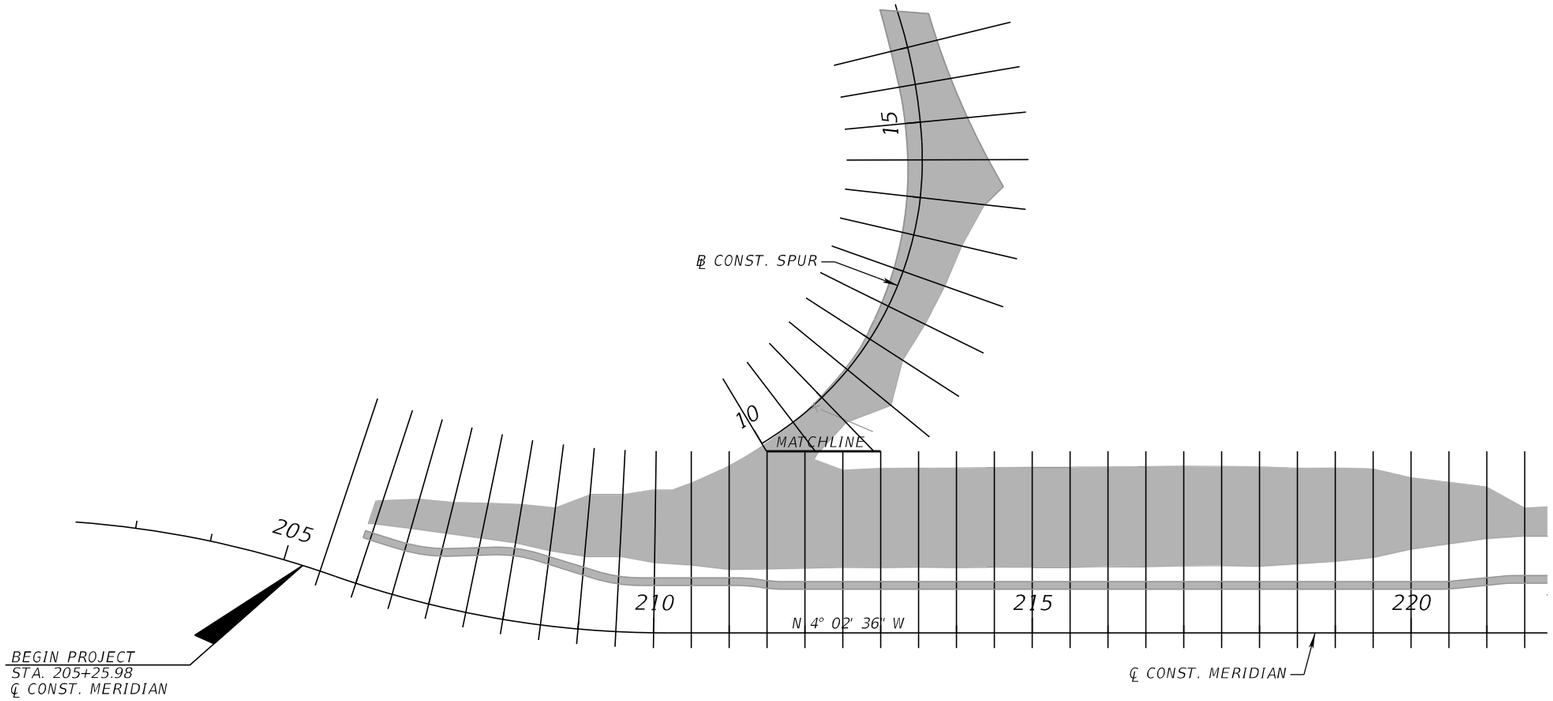
KIRK M. EASTMAN, P.E.
P.E. LICENSE NUMBER 50733
AREHNA ENGINEERING, INC.
5012 W. LEMON STREET
TAMPA, FLORIDA 33609

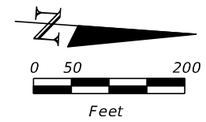
TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

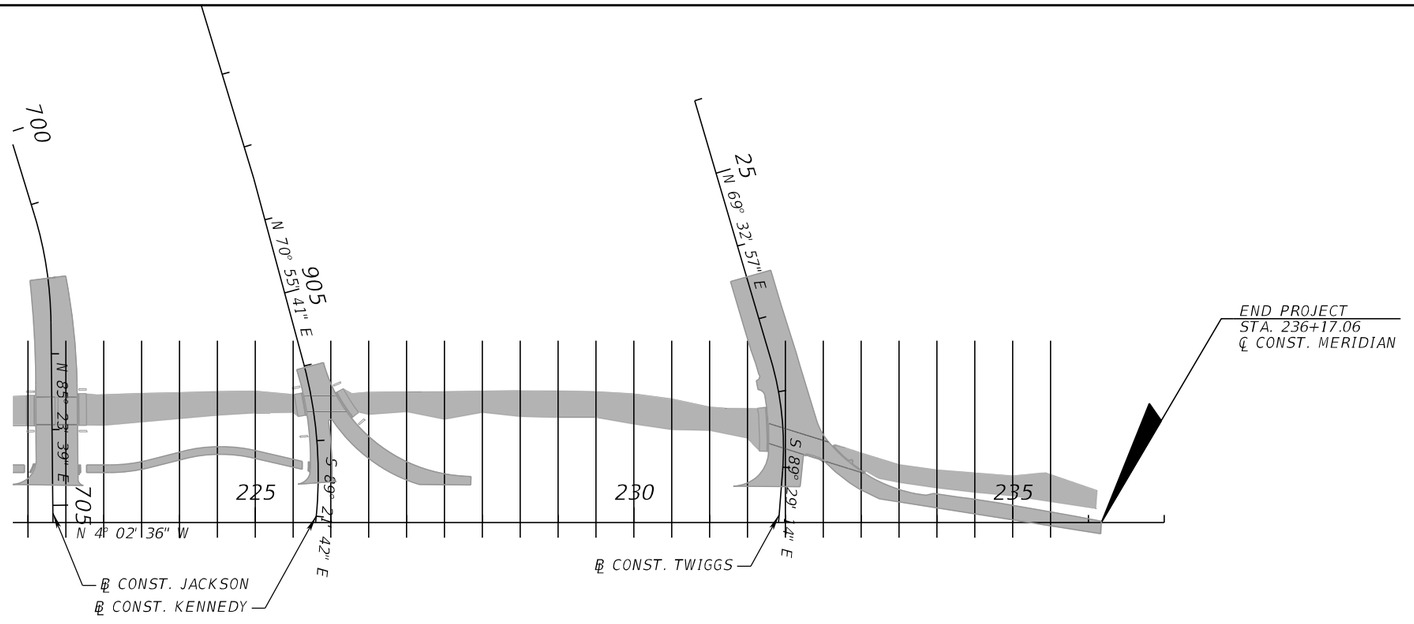
ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

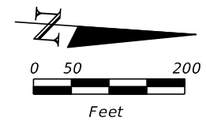
ROADWAY SOIL SURVEY

SHEET NO. 33









= PROJECT LIMITS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

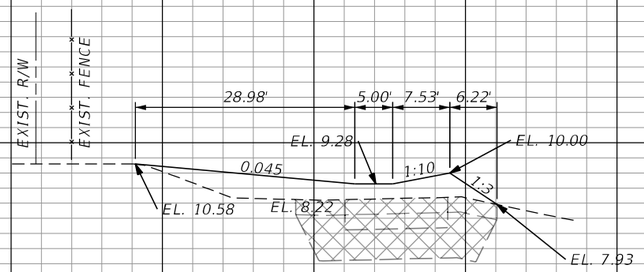
CROSS SECTION PATTERN

SHEET NO. 34

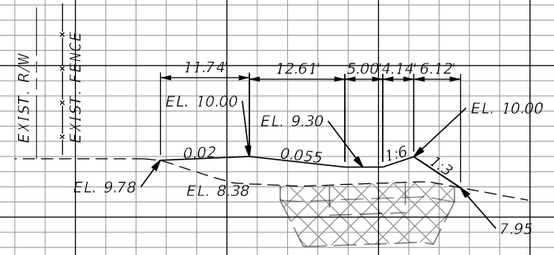
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

LIMITS OF RAILROAD REMOVAL & CONTAMINATED SOIL EXCAVATION

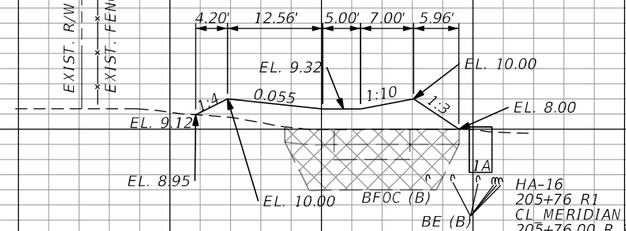
℄ CONST. MERIDIAN



STA. 207+00.00



STA. 206+50.00



STA. 206+00.00

BEGIN PROJECT
BEGIN RAILROAD
REMOVAL AND CONTAMINATED
SOIL EXCAVATION
BEGIN EARTHWORK
STA. 205+90.00

1" = 20' Horizontal
1" = 10' Vertical

℄ CONST. MERIDIAN

Regular Exc.		Embankment	
A	V	A	V
48.9	83.9	75.8	132.9
41.7	76.9	67.7	123.6
41.4	7.7	65.8	12.2
0.0		0.0	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

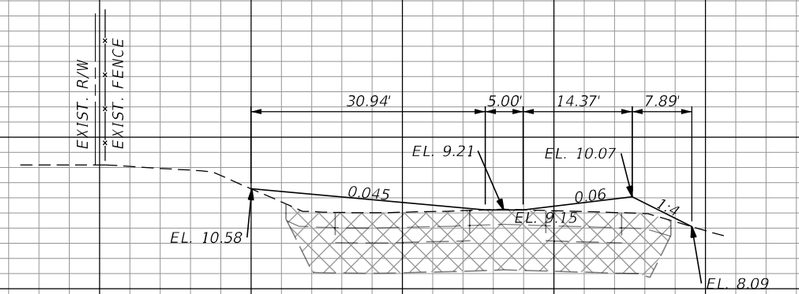
TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

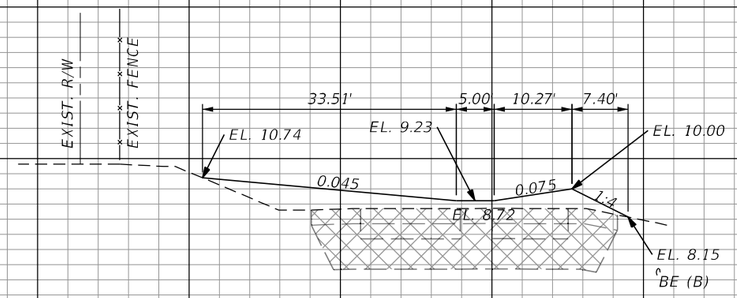
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	HILLSBOROUGH	O-1022

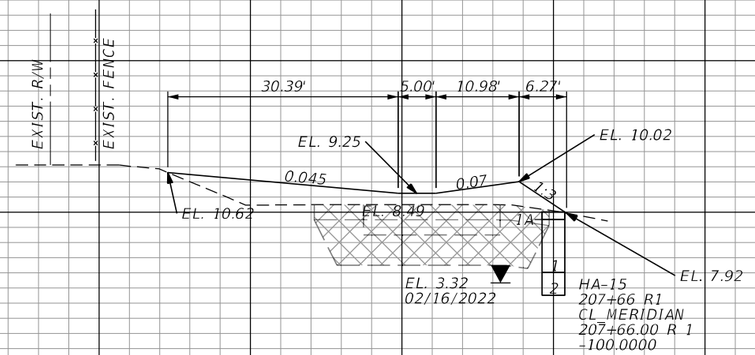
CROSS SECTION (1)

SHEET NO. 35

LIMITS OF RAILROAD REMOVAL & CONTAMINATED SOIL EXCAVATION







℄ CONST. MERIDIAN

STA. 208+50.00

STA. 208+00.00

STA. 207+50.00

℄ CONST. MERIDIAN

1" = 20' Horizontal

1" = 10' Vertical

	Regular Exc.		Embankment	
	A	V	A	V
STA. 208+50.00	97.0	160.8	112.3	198.0
STA. 208+00.00	76.7	124.5	101.6	172.8
STA. 207+50.00	57.8	98.8	85.0	148.9

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

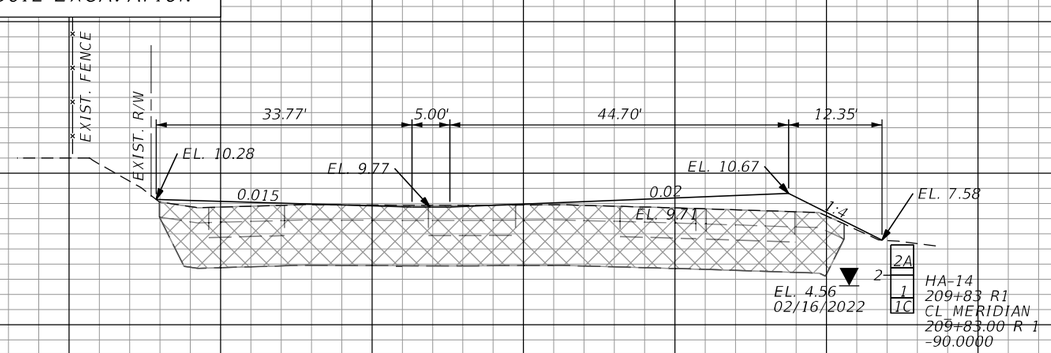
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	HILLSBOROUGH	O-1022

CROSS SECTION (2)

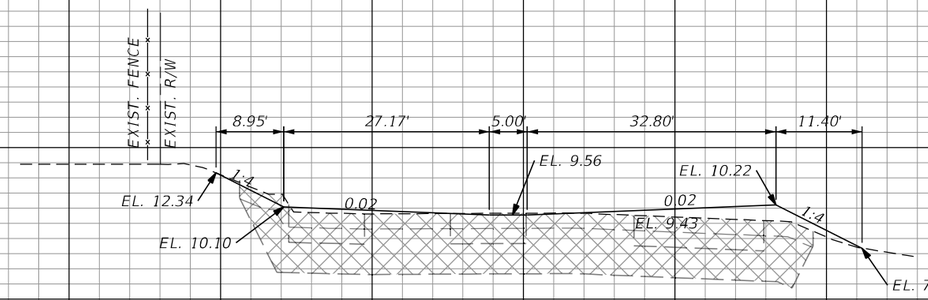
SHEET NO. 36

LIMITS OF RAILROAD REMOVAL & CONTAMINATED SOIL EXCAVATION

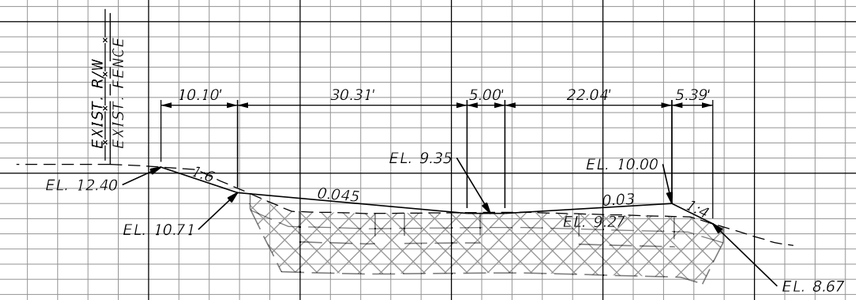
℄ CONST. MERIDIAN



STA. 210+00.00



STA. 209+50.00



STA. 209+00.00

1" = 20' Horizontal

1" = 10' Vertical

℄ CONST. MERIDIAN

	Regular Exc.		Embankment	
	A	V	A	V
STA. 210+00.00	176.5	300.8	190.9	321.3
STA. 209+50.00	148.3	250.8	156.1	267.7
STA. 209+00.00	122.5	203.3	133.1	227.2

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	HILLSBOROUGH	O-1022

CROSS SECTION (3)

SHEET NO. 37

LIMITS OF RAILROAD REMOVAL & CONTAMINATED SOIL EXCAVATION

℄ CONST. MERIDIAN

MATCHLINE 10+00.00 ℄ CONST. SPUR

28.40' 7.68' 10.00' 50.71' 10.26'

EL. 11.67 EL. 10.39 EL. 11.41

1:30 1:6 0.02 1:4

EL. 10.72 EL. 10.55 EL. 8.84

STA. 211+50.00

EXIST. R/W

42.60' 15.76' 7.49' 10.00' 49.01' 14.04'

EL. 11.68 EL. 10.90 EL. 11.43 EL. 10.18 EL. 11.16

0.02 1:30 1:6 0.02 1:4

EL. 10.35 EL. 7.65

STA. 211+00.00

EXIST. FENCE

EXIST. R/W

43.05' 10.00' 44.13' 11.71'

EL. 10.83 EL. 9.97 EL. 10.86

0.02 0.02 1:4

EL. 10.17 EL. 7.92

STA. 210+50.00

1" = 20' Horizontal

1" = 10' Vertical

℄ CONST. MERIDIAN

240 220 200 180 160 140 120 100 80 60 40 20 0

	Regular Exc.		Embankment	
	A	V	A	V
STA. 211+50.00	180.8	388.7	193.1	413.8
STA. 211+00.00	239.0	415.0	253.8	431.3
STA. 210+50.00	209.2	357.1	212.1	373.1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

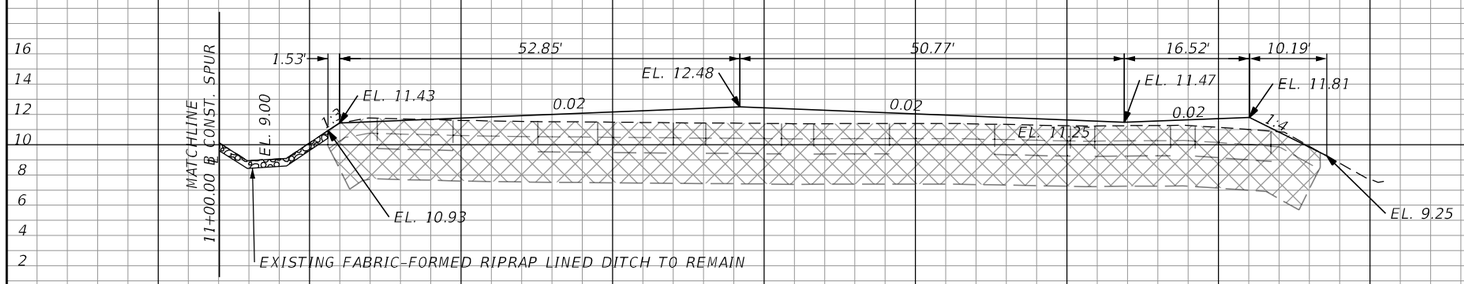
TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

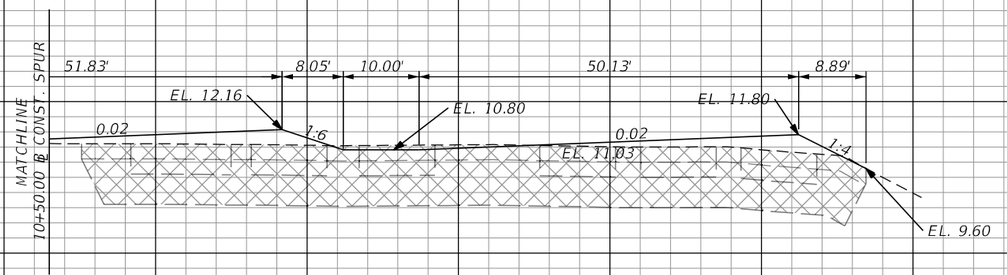
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	HILLSBOROUGH	O-1022

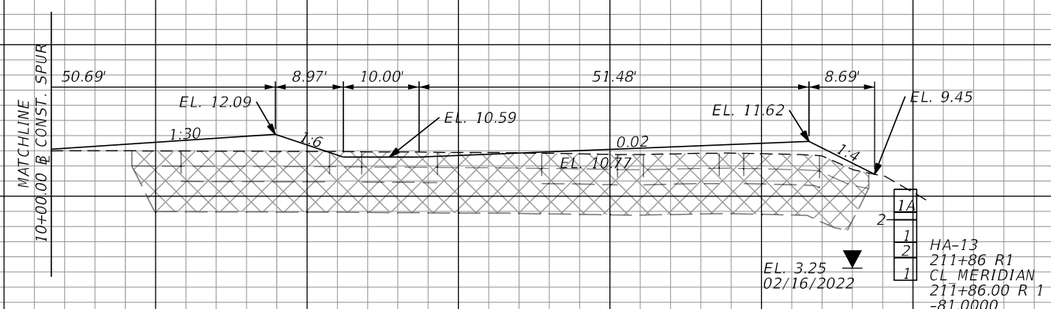
CROSS SECTION (4)

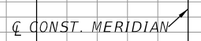
SHEET NO. 38

LIMITS OF RAILROAD REMOVAL & CONTAMINATED SOIL EXCAVATION







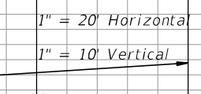


STA. 213+00.00

STA. 212+50.00

STA. 212+00.00

Regular Exc.		Embankment	
A	V	A	V
259.9	429.3	290.9	475.2
203.7	368.2	222.3	405.3
193.9	347.0	215.4	378.3



240 220 200 180 160 140 120 100 80 60 40 20 0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

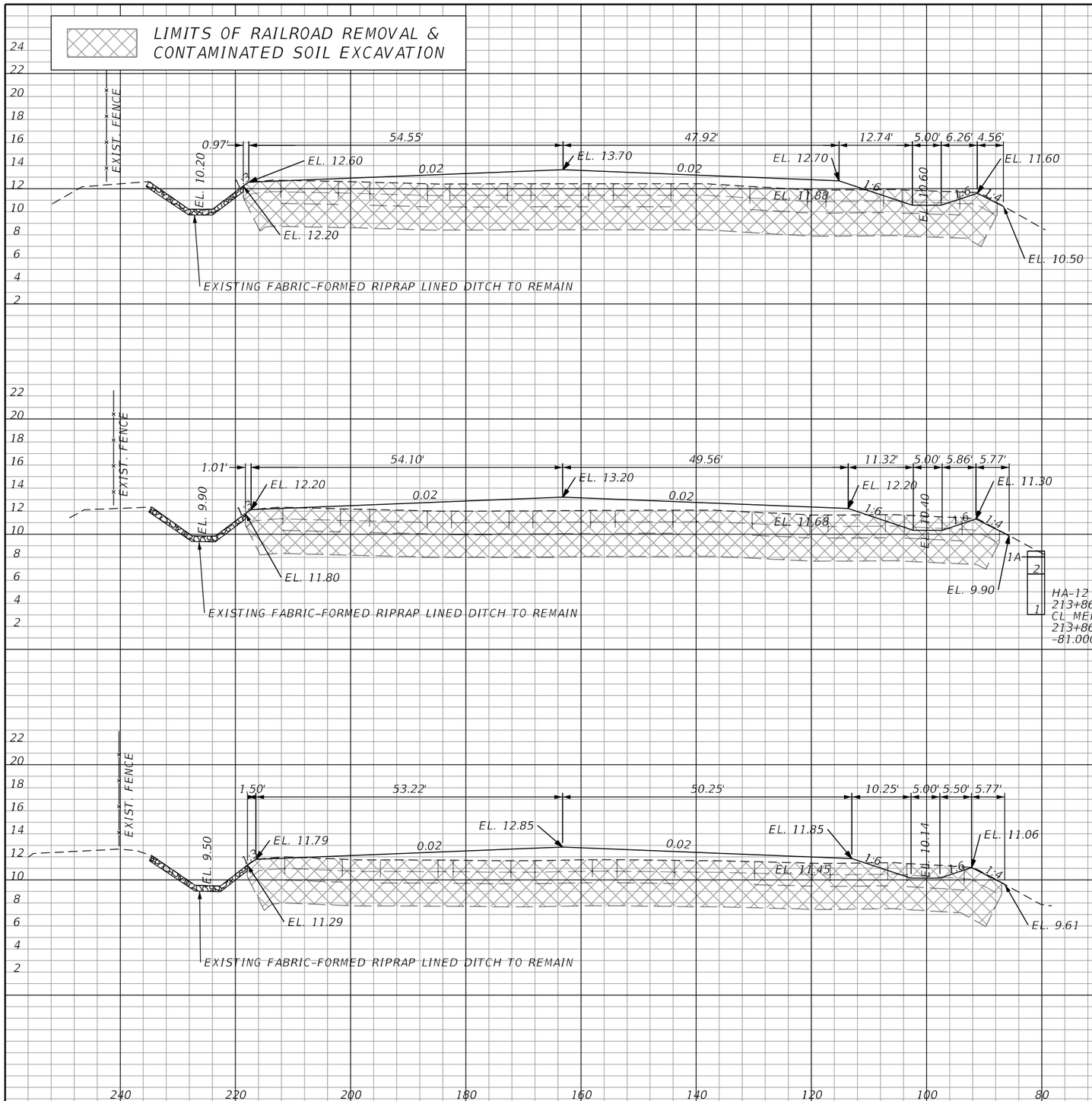
Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	HILLSBOROUGH	O-1022

CROSS SECTION (5)

SHEET NO. 39



	Regular Exc.		Embankment	
	A	V	A	V
STA. 214+50.00	258.9	479.1	289.4	532.6
STA. 214+00.00	258.5	479.9	285.8	529.4
STA. 213+50.00	259.7	481.2	286.0	534.2

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	HILLSBOROUGH	O-1022

CROSS SECTION (6)

SHEET NO. 40

LIMITS OF RAILROAD REMOVAL & CONTAMINATED SOIL EXCAVATION

℄ CONST. MERIDIAN

EXIST. FENCE

0.56' | 56.15' | 40.02' | 18.12' | 5.00' | 6.80' | 5.73'

EL. 13.90 | EL. 15.10 | EL. 14.30 | EL. 12.40

EL. 11.20 | 0.02 | 0.02 | 1:6 | EL. 12.33 | EL. 11.20 | 1:6 | 1:4

1:3 | EL. 13.70 | EL. 10.90

EXISTING FABRIC-FORMED RIPRAP LINED DITCH TO REMAIN

STA. 216+00.00

EXIST. FENCE

1.18' | 55.14' | 41.29' | 16.62' | 5.00' | 7.29' | 6.60'

EL. 10.90 | EL. 13.50 | EL. 14.60 | EL. 13.80 | EL. 12.20

0.02 | 0.02 | 1:6 | EL. 12.29 | EL. 11.00 | 1:6 | 1:4

1:3 | EL. 13.10 | EL. 10.60

EXISTING FABRIC-FORMED RIPRAP LINED DITCH TO REMAIN

STA. 215+50.00

EXIST. FENCE

1.47' | 54.45' | 44.92' | 14.71' | 5.00' | 6.82' | 5.33'

EL. 10.60 | EL. 13.10 | EL. 14.10 | EL. 13.20 | EL. 11.90

0.02 | 0.02 | 1:6 | EL. 12.08 | EL. 10.80 | 1:6 | 1:4

1:3 | EL. 12.60 | EL. 10.60

EXISTING FABRIC-FORMED RIPRAP LINED DITCH TO REMAIN

STA. 215+00.00

1" = 20' Horizontal

1" = 10' Vertical

℄ CONST. MERIDIAN

	Regular Exc.		Embankment	
	A	V	A	V
STA. 216+00.00	258.4	479.1	302.6	556.9
STA. 215+50.00	259.0	479.8	298.9	550.0
STA. 215+00.00	259.1	479.7	295.1	541.2

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

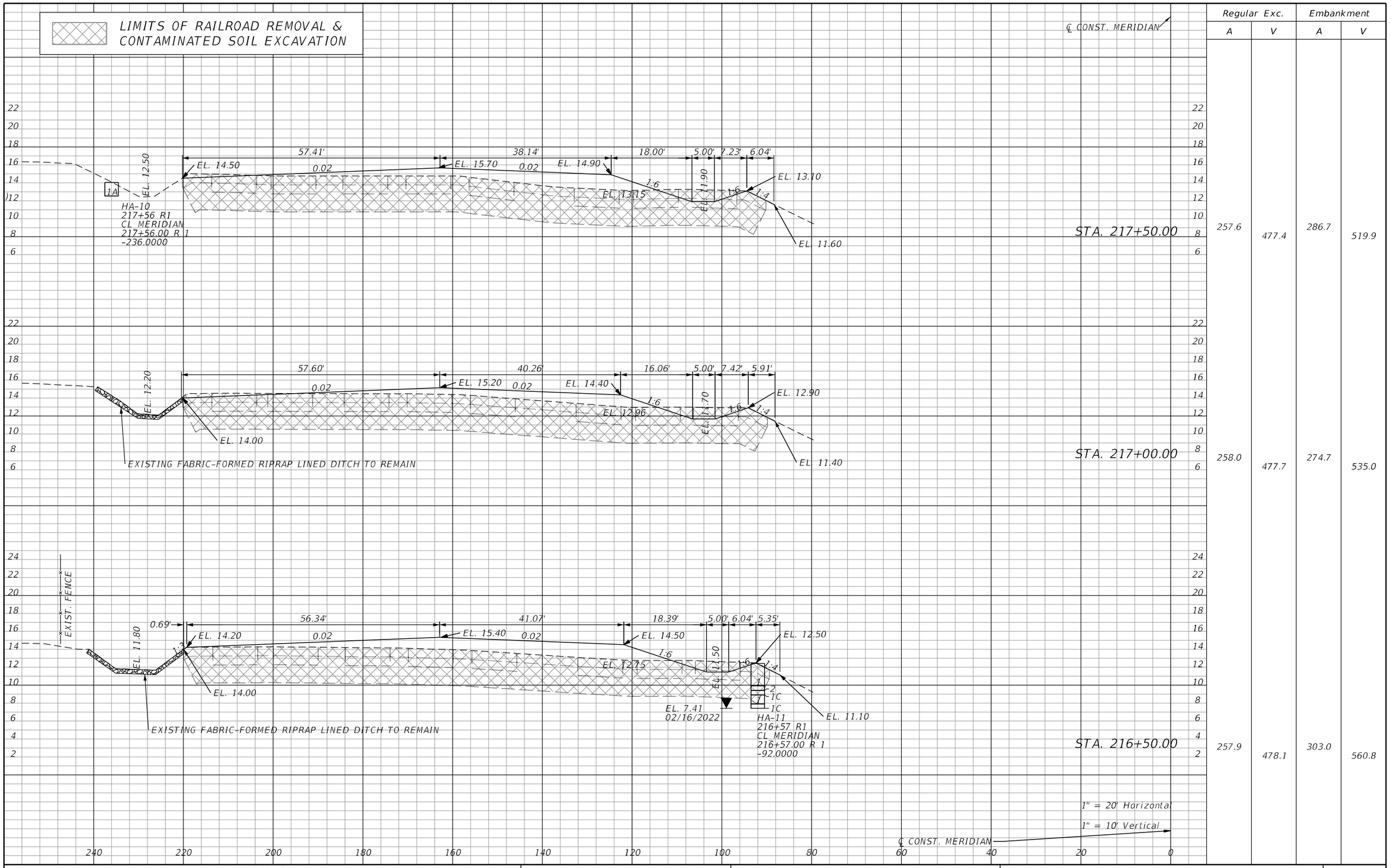
Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	HILLSBOROUGH	O-1022

CROSS SECTION (7)

SHEET NO. 41



	Regular Exc.		Embankment	
	A	V	A	V
STA. 217+50.00	257.6	477.4	286.7	519.9
STA. 217+00.00	258.0	477.7	274.7	535.0
STA. 216+50.00	257.9	478.1	303.0	560.8

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	HILLSBOROUGH	O-1022

CROSS SECTION (8)

SHEET NO. 42

LIMITS OF RAILROAD REMOVAL & CONTAMINATED SOIL EXCAVATION

℄ CONST. MERIDIAN

EXIST. R/W
EXIST. FENCE
114.89'
EL. 12.30
BFOC (B)
1:60
EL. 14.16
EXIST. R/W
9.19'
EL. 14.30
1:6
1A
2A
1
EL. 12.70
EL. 8.31
02/16/2022
HA-09
219+14 RT
CL MERIDIAN
219+14.00 R 1
-96.0000

STA. 219+00.00

EXIST. FENCE
EL. 13.00
BFOC (B)
EL. 14.90
55.14'
EL. 16.00
0.02
32.44'
EL. 15.30
0.02
17.82'
5.00'
8.41'
7.93'
EL. 13.70
1:6
EL. 13.78
EL. 12.30
1:6
1:6
EL. 12.40

STA. 218+50.00

EL. 12.80
BFOC (B)
EL. 14.70
56.80'
0.02
EL. 15.90
37.76'
0.02
EL. 15.10
17.84'
5.00'
7.17'
7.23'
1:6
EL. 13.37
EL. 12.10
1:6
1:4
EL. 13.30
EL. 11.50

STA. 218+00.00

1" = 20' Horizontal
1" = 10' Vertical

℄ CONST. MERIDIAN

Regular Exc.		Embankment	
A	V	A	V
234.3	444.2	149.2	383.7
245.5	463.3	265.2	508.1
254.9	474.5	283.6	528.0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

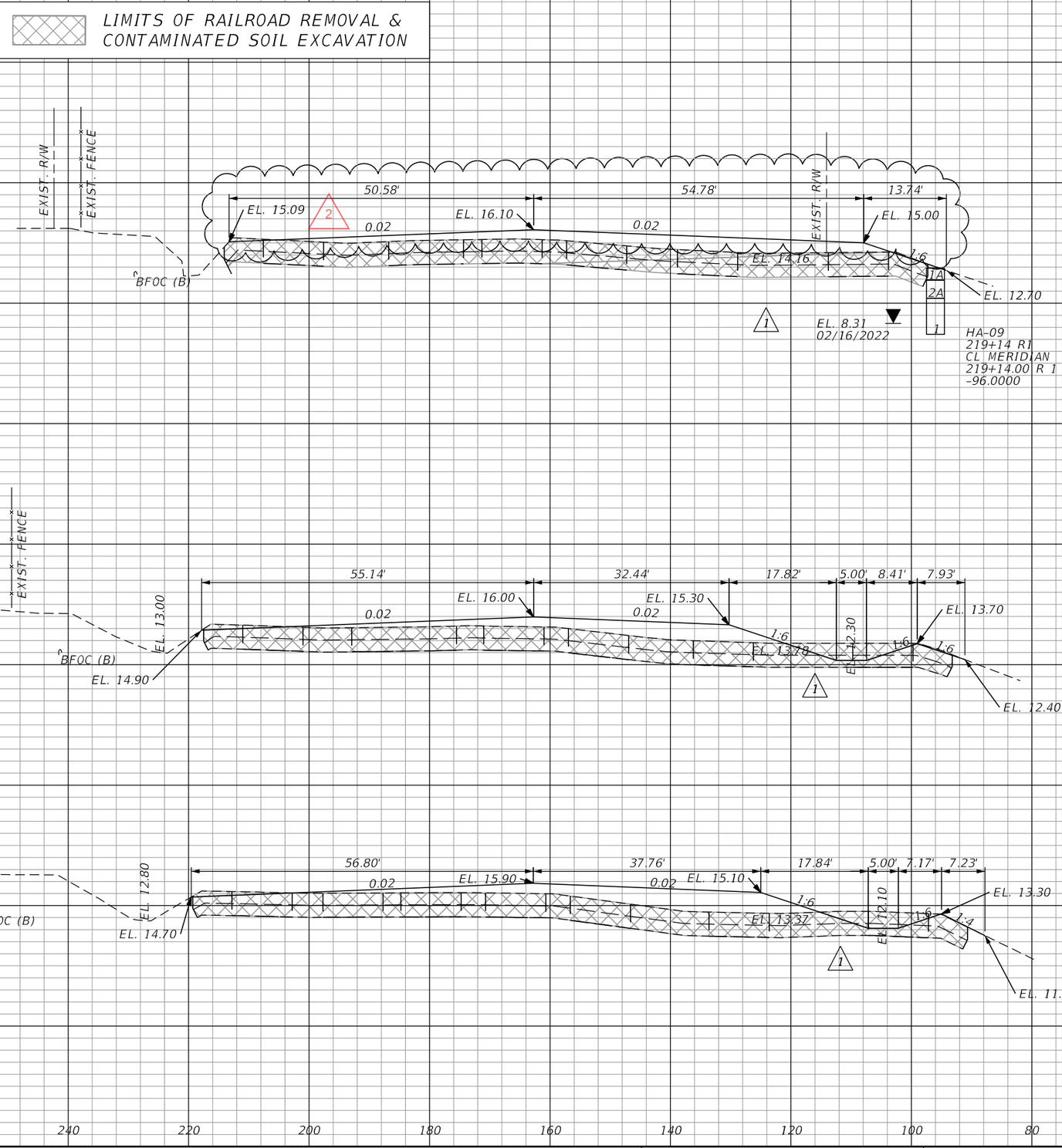
TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	HILLSBOROUGH	O-1022

CROSS SECTION (9)

SHEET NO. 43

LIMITS OF RAILROAD REMOVAL & CONTAMINATED SOIL EXCAVATION



Regular Exc.		Embankment	
A	V	A	V
256.3 (1)	466.8 (1)	86.1 (1)	345.2 (1)
247.8 (1)	467.0 (1)	286.7 (1)	556.1 (1)
256.5 (1)	477.7 (1)	314.0 (1)	584.9 (1)

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
6/13/23	(1) CONTAMINATED EXCAVATION REVISED		

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

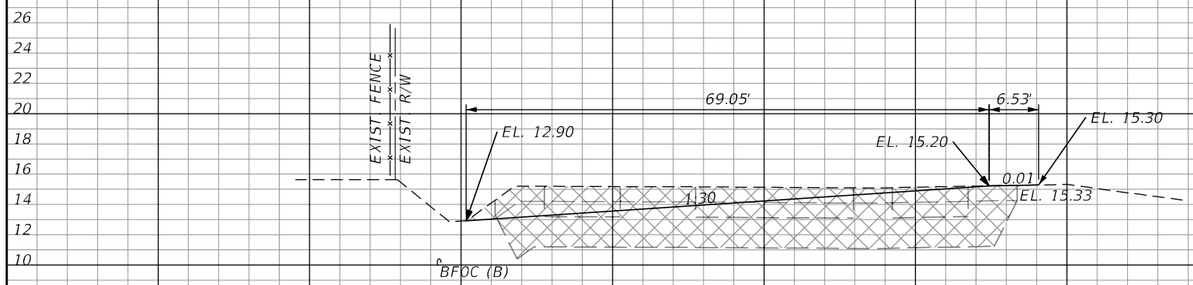
ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

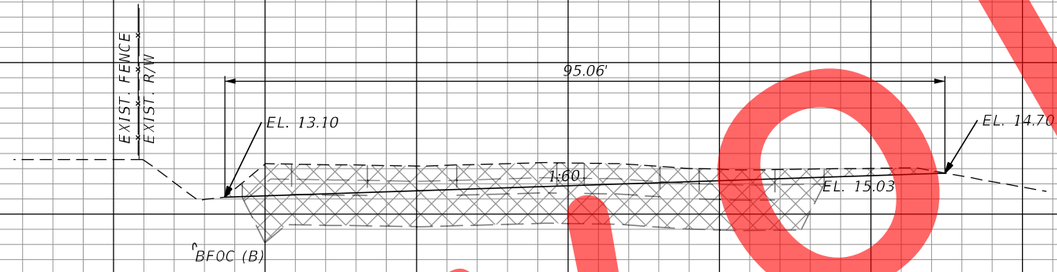
CROSS SECTION (9)

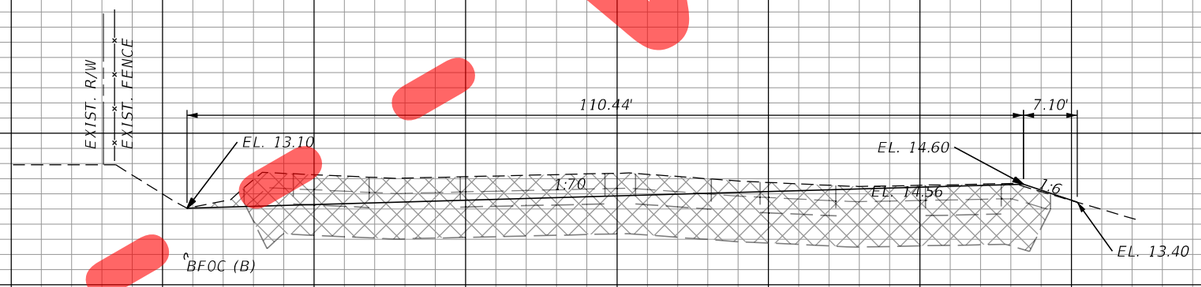
SHEET NO. 43

LIMITS OF RAILROAD REMOVAL & CONTAMINATED SOIL EXCAVATION

℄ CONST. MERIDIAN







	Regular Exc.		Embankment	
	A	V	A	V
STA. 220+50.00	135.7	268.9	101.7	185.2
STA. 220+00.00	154.7	339.6	98.3	234.7
STA. 219+50.00	212.0	413.3	155.2	281.8

1" = 20' Horizontal
1" = 10' Vertical

℄ CONST. MERIDIAN

VOID

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	HILLSBOROUGH	O-1022

CROSS SECTION (10)

SHEET NO. 44

LIMITS OF RAILROAD REMOVAL & CONTAMINATED SOIL EXCAVATION

℄ CONST. MERIDIAN

EXIST. FENCE
EXIST. R/W
69.05'
10.48'
3.68'
EL. 12.90
EL. 15.20
0.01
1:30
EL. 15.07
EL. 15.33
EL. 15.33
BFOC (B)
1

EXIST. FENCE
EXIST. R/W
95.68'
EL. 13.10
EL. 14.70
EL. 14.66
1:60
EL. 15.03
BFOC (B)
1

EXIST. R/W
EXIST. FENCE
108.06'
7.10'
EL. 13.30
2
EL. 14.60
1:80
7:6
EL. 14.56
EL. 13.40
BFOC (B)
1

STA. 220+50.00

STA. 220+00.00

STA. 219+50.00

1" = 20' Horizontal
1" = 10' Vertical

℄ CONST. MERIDIAN

	Regular Exc.		Embankment	
	A	V	A	V
STA. 220+50.00	160.3 △1	321.8 △1	92.4 △1	154.5 △1
STA. 220+00.00	187.3 △1	373.2 △1	74.5 △1	163.7 △1
STA. 219+50.00	215.8 △1	437.2 △1	102.3 △1	174.5 △1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
6/13/23	△1 CONTAMINATED EXCAVATION REVISED		

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

CROSS SECTION (10)

SHEET NO. 44

LIMITS OF RAILROAD REMOVAL & CONTAMINATED SOIL EXCAVATION

℄ CONST. MERIDIAN

END EARTHWORK
BEGIN ROADWAY RECONSTRUCTION
STA. 222+10.29

EXIST. R/W

1A
BE (B)
BFOC (B)
BE (B)
1
HA-08
221+91 R1
CL MERIDIAN
221+91.00 R 1
176.0000

EL. 16.12

BE (B)
BFOC (B)
BFOT (B)
BE (B)
G (B)

STA. 222+00.00

18.92'
18.81'
EL. 15.10
EL. 15.50
EL. 15.20
0.02
0.02
EL. 15.22

BFOC (B)

STA. 221+50.00

EXIST. FENCE
EXIST. R/W

62.25'
6.27'
EL. 13.30
EL. 15.40
EL. 15.40
1:30
0.01
EL. 15.14

BFOC (B)

STA. 221+00.00

1" = 20' Horizontal
1" = 10' Vertical

℄ CONST. MERIDIAN

	Regular Exc.		Embankment	
	A	V	A	V
STA. 222+10.29	0.0	13.5	0.0	13.5
STA. 222+00.00	71.0	131.5	71.0	134.2
STA. 221+50.00	71.0	176.0	73.8	155.7
STA. 221+00.00	119.1	236.0	94.3	181.5

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	HILLSBOROUGH	O-1022

CROSS SECTION (11)

SHEET NO. 45

LIMITS OF RAILROAD REMOVAL & CONTAMINATED SOIL EXCAVATION

℄ CONST. MERIDIAN

EXIST. FENCE

EXIST. R/W

24.11'

4.58'

EL. 15.60

EL. 13.20

EL. 15.40

1:20

1:0

EL. 15.32

℄ BFOC (B)

BE (B)

STA. 223+50.00

EXIST. R/W

22.29'

18.97'

EL. 15.70

EL. 14.10

EL. 15.30

0.02

1:14

EL. 15.54

℄ BFOC (B)

BE (B)

STA. 223+00.00

END ROADWAY RECONSTRUCTION
BEGIN EARTHWORK
STA. 222+64.68

1" = 20' Horizontal

1" = 10' Vertical

℄ CONST. MERIDIAN

Regular Exc.		Embankment	
A	V	A	V
43.6	107.1	35.4	96.8
72.1	47.1	69.2	45.2
0.0		0.0	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

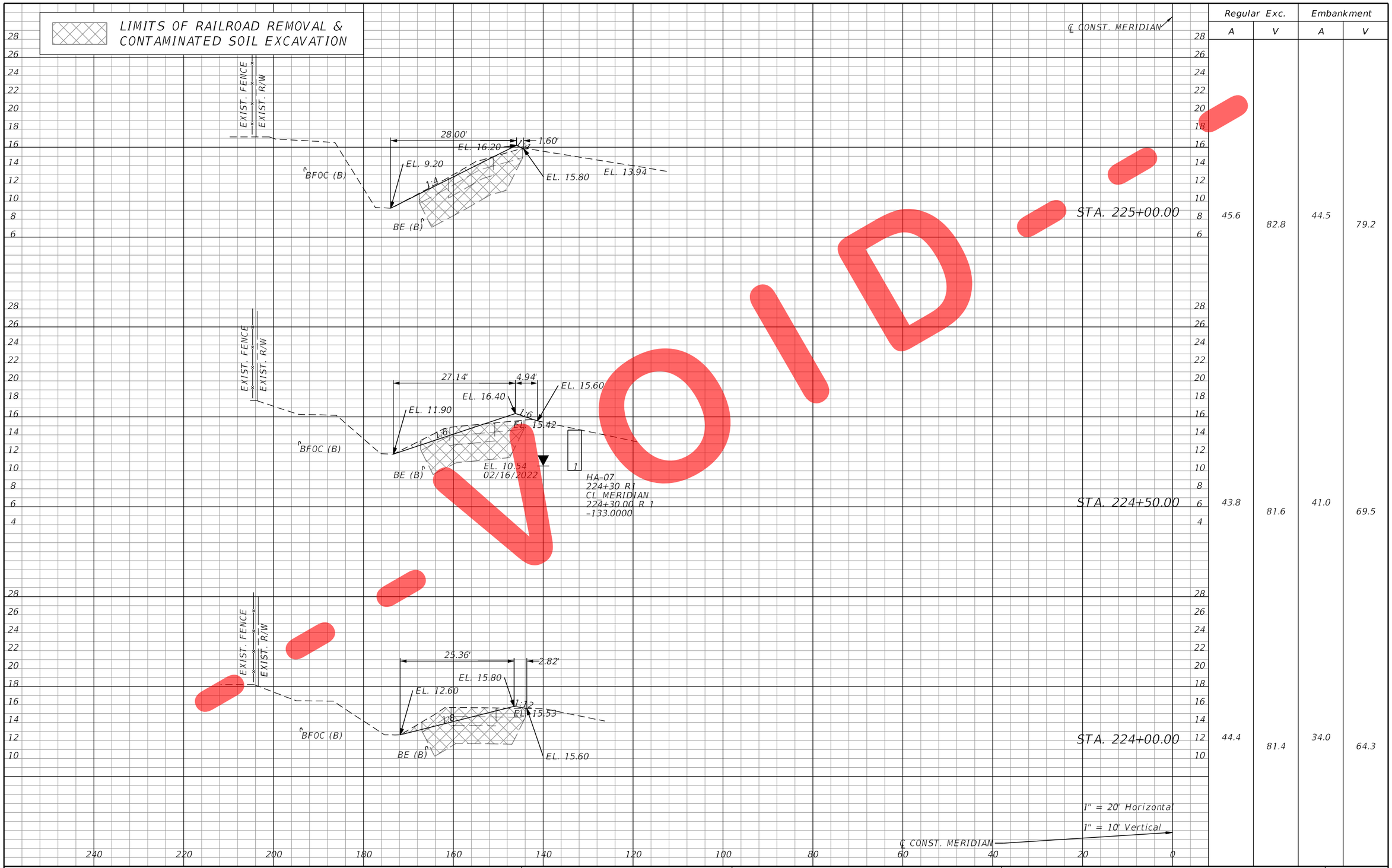
Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	HILLSBOROUGH	O-1022

CROSS SECTION (12)

SHEET NO. 46



	Regular Exc.		Embankment	
	A	V	A	V
STA. 225+00.00	45.6	82.8	44.5	79.2
STA. 224+50.00	43.8	81.6	41.0	69.5
STA. 224+00.00	44.4	81.4	34.0	64.3

VOID

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	HILLSBOROUGH	O-1022

CROSS SECTION (13)

SHEET NO. 47

LIMITS OF RAILROAD REMOVAL & CONTAMINATED SOIL EXCAVATION

℄ CONST. MERIDIAN

EXIST. FENCE
EXIST. R/W

STA. 225+00.00

7.33'
1.97'
EL. 14.64
EL. 15.82
EL. 13.94
EL. 16.20
BFOC (B)
Match Exist.
BE (B)

Regular Exc.		Embankment	
A	V	A	V
	92.5	48.7	99.5
46.4	94.0	44.4	87.3

EXIST. FENCE
EXIST. R/W

STA. 224+50.00

18.15'
6.22'
EL. 16.40
EL. 15.43
EL. 14.11
Match Exist.
BFOC (B)
BE (B)
EL. 15.42
EL. 10.54
02/16/2022
HA-07
224+30 R1
CL MERIDIAN
224+30.00 R 1
-133.0000

53.6	108.8	58.7	102.1
55.1	112.1	49.9	87.4

EXIST. FENCE
EXIST. R/W

STA. 224+00.00

15.33'
11.85'
EL. 15.80
EL. 13.86
EL. 15.01
BFOC (B)
BE (B)
EL. 15.53

63.9	127.1	51.6	101.1
65.9	128.9	44.5	94.5

1" = 20' Horizontal
1" = 10' Vertical

℄ CONST. MERIDIAN

240 220 200 180 160 140 120 100 80 60 40 20 0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS

DATE		DESCRIPTION	DATE	DESCRIPTION
6/13/23	1	CONTAMINATED EXCAVATION REVISED		
1/26/24	2	GRADING & QUANTITIES REVISED		

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

CROSS SECTION (13)

SHEET NO. 47

LIMITS OF RAILROAD REMOVAL & CONTAMINATED SOIL EXCAVATION

℄ CONST. MERIDIAN

EXIST. R/W

EXIST. FENCE

30.05'

EL. 14.50

EL. 16.40

1A

1

1:6

EL. 16.62

BE (B)

BFOT (B)

BFOC (B)

BFOC (B)

EL. 11.25
02/16/2022

HA-06
226+26 R1
CL MERIDIAN
226+26.00 R 1
-172.0000

STA. 226+50.00

END ROADWAY RECONSTRUCTION
BEGIN EARTHWORK
STA. 226+07.64

END EARTHWORK
BEGIN ROADWAY RECONSTRUCTION
STA. 225+63.82

23.00'

EL. 17.10

EL. 16.80

0.02

EL. 16.99

BE (B)

BE (B)

BFOC (B)
BFOC (B)

STA. 225+50.00

1" = 20' Horizontal
1" = 10' Vertical

℄ CONST. MERIDIAN

	Regular Exc.		Embankment	
	A	V	A	V
STA. 226+50.00	43.3	67.9	34.1	26.7
END ROADWAY RECONSTRUCTION / BEGIN EARTHWORK STA. 226+07.64	0.0		0.0	
END EARTHWORK / BEGIN ROADWAY RECONSTRUCTION STA. 225+63.82	0.0	10.6	0.0	11.3
STA. 225+50.00	41.3	80.5	44.3	82.3

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	HILLSBOROUGH	0-1022

CROSS SECTION (14)

SHEET NO. 48

jmera 11/9/2022 4:25:28 PM Rdxsrd_shg C:\Users\jmera\KCA\1201037 THEA GEC - WO 12 - THEA Meridian CSX Track Removal\Production\Roadway\RDXSRD02.dgn

LIMITS OF RAILROAD REMOVAL & CONTAMINATED SOIL EXCAVATION

℄ CONST. MERIDIAN

EXIST. R/W

EXIST. FENCE

16.53'

12.02'

EL. 17.20

EL. 14.40

EL. 15.70

1:6

1:8

2

1

1C

1

1C

EL. 14.47

℄ BFOC (B)

EL. 11.10

02/16/2022

HA-05
227+89 R1
CL MERIDIAN
227+89.00 R 1
-142.0000

STA. 228+00.00

18.69'

18.15'

EL. 14.20

EL. 17.30

EL. 14.30

1:6

1:6

EL. 14.84

℄ BFOC (B)

STA. 227+50.00

24.81'

EL. 15.90

EL. 14.30

1:16

EL. 16.09

℄ BFOC (B)

℄ BFOT (B)

℄ BE (B)

℄ G (B)

℄ BE (B)

STA. 227+00.00

1" = 20' Horizontal

1" = 10' Vertical

℄ CONST. MERIDIAN

	Regular Exc.		Embankment	
	A	V	A	V
STA. 228+00.00	44.0	80.8	40.5	78.9
STA. 227+50.00	43.2	79.7	44.8	74.3
STA. 227+00.00	42.9	79.8	35.5	64.4

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

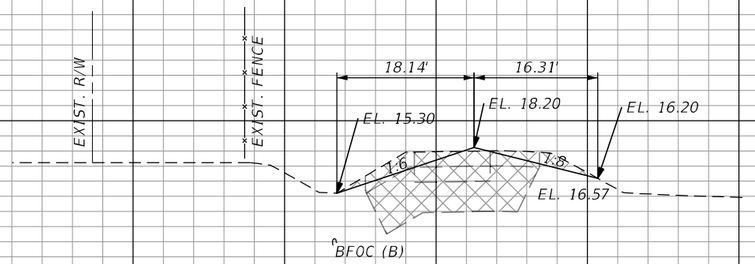
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	HILLSBOROUGH	0-1022

CROSS SECTION (15)

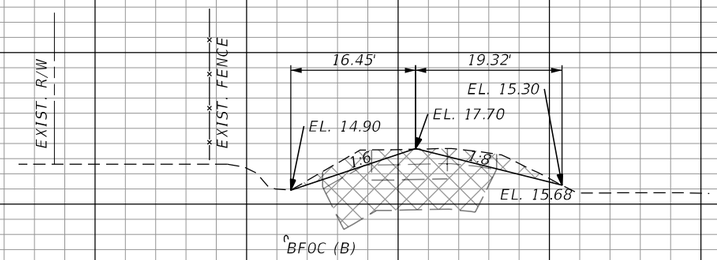
SHEET NO. 49

LIMITS OF RAILROAD REMOVAL & CONTAMINATED SOIL EXCAVATION

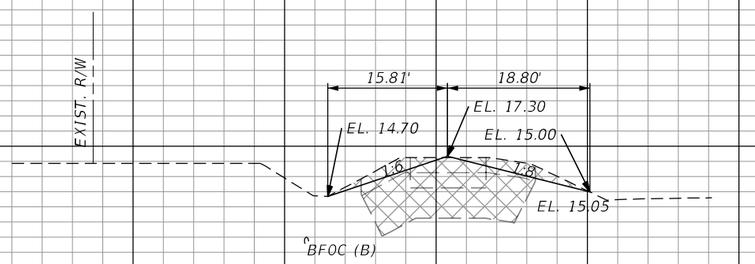
℄ CONST. MERIDIAN



STA. 229+50.00



STA. 229+00.00



STA. 228+50.00

1" = 20' Horizontal

1" = 10' Vertical

	Regular Exc.		Embankment	
	A	V	A	V
STA. 229+50.00	45.9	85.2	37.7	68.5
STA. 229+00.00	46.2	84.7	36.3	68.0
STA. 228+50.00	45.3	82.7	37.1	71.9

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	HILLSBOROUGH	O-1022

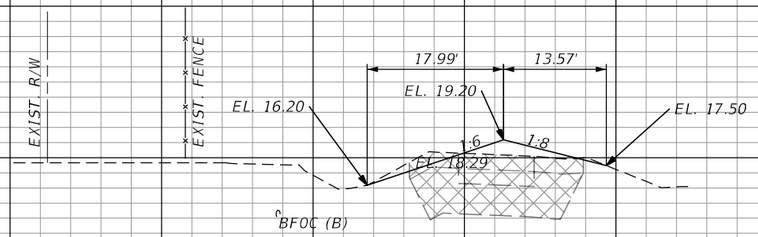
CROSS SECTION (16)

SHEET NO. 50

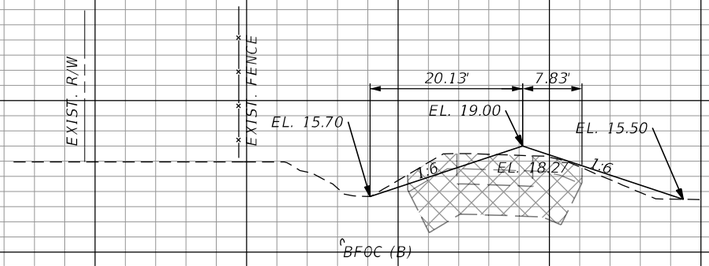
LIMITS OF RAILROAD REMOVAL & CONTAMINATED SOIL EXCAVATION

℄ CONST. MERIDIAN

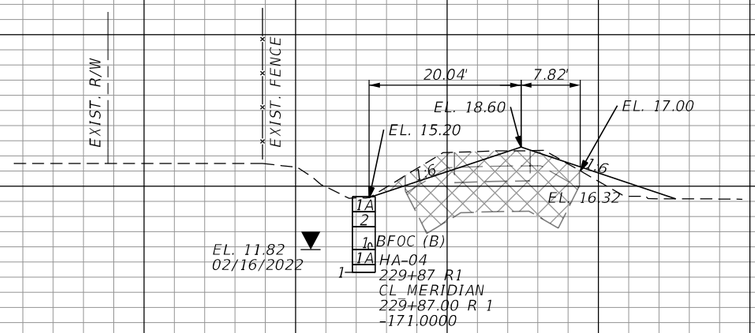
END EARTHWORK
BEGIN ROADWAY RECONSTRUCTION
STA. 231+77.21



STA. 231+00.00



STA. 230+50.00



STA. 230+00.00

1" = 20' Horizontal
1" = 10' Vertical

℄ CONST. MERIDIAN

	Regular Exc.		Embankment	
	A	V	A	V
	0.0	61.8	0.0	63.2
STA. 231+00.00	43.2	81.2	44.2	80.8
STA. 230+50.00	44.5	83.3	43.0	79.3
STA. 230+00.00	45.5	84.6	42.6	74.3

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	HILLSBOROUGH	O-1022

CROSS SECTION (17)

SHEET NO. 51

LIMITS OF RAILROAD REMOVAL & CONTAMINATED SOIL EXCAVATION

℄ CONST. MERIDIAN

EXIST. FENCE
EXIST. L.A. R/W
1.50'
9.28'
11.58'
1.91'
EL. 16.70
EL. 16.60
EL. 16.20
1:30
1:30
1A
16.30'
EL. 16.49
EL. 16.70
EL. 12.90
02/16/2022
BFOC (B)
HA-02
233+86 R1
CL MERIDIAN
233+86.00 R 1
-80.0000

STA. 234+00.00

Regular Exc.		Embankment	
A	V	A	V
41.1	76.4	41.8	76.5

EXIST. L.A. R/W
EXIST. FENCE
2.20'
15.30'
4.99'
EL. 16.00
EL. 16.30
0.02
1:6
EL. 16.80
EL. 16.11
EL. 15.90
BFOC (B)

STA. 233+50.00

41.4	78.4	40.8	76.0

END ROADWAY RECONSTRUCTION
STA. 233+04.61

EXIST. L.A. R/W
EXIST. FENCE
29.54'
EL. 16.30
EL. 17.70
1:20
EL. 17.78
BFOC (B)

STA. 233+00.00

43.2	56.0	41.3	53.5

BEGIN EARTWORK
STA. 232+65.02

0.0		0.0	

1" = 20' Horizontal
1" = 10' Vertical

℄ CONST. MERIDIAN

30 28 26 24 22 20 18 16 14 12 10 8 (left)
30 28 26 24 22 20 18 16 14 12 (right)
240 220 200 180 160 140 120 100 80 60 40 20 0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	HILLSBOROUGH	0-1022

CROSS SECTION (18)

SHEET NO. 52

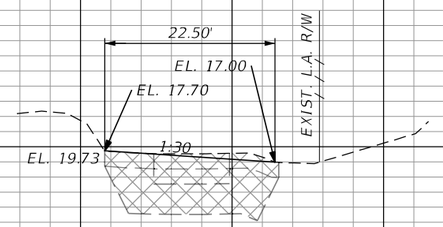
LIMITS OF RAILROAD REMOVAL & CONTAMINATED SOIL EXCAVATION

SUMMARY OF EARTHWORK

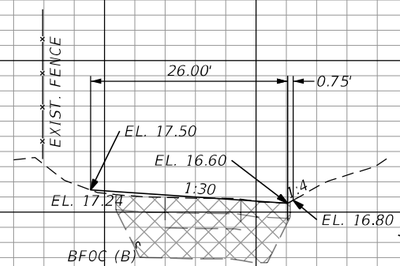
REGULAR EXCAVATION: 14217 CY
EMBANKMENT: 14519 CY

℄ CONST. MERIDIAN

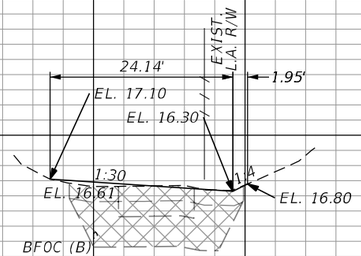
END PROJECT
END RAILROAD
REMOVAL AND CONTAMINATED
SOIL EXCAVATION
END EARTHWORK
STA. 236+11.79



STA. 235+50.00



STA. 235+00.00



STA. 234+50.00

1" = 20' Horizontal
1" = 10' Vertical

℄ CONST. MERIDIAN

Regular Exc.		Embankment	
A	V	A	V
0.0	52.6	0.0	45.7
46.0	80.9	39.9	76.3
41.4	76.4	42.6	78.2
41.1	76.1	41.9	77.5

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

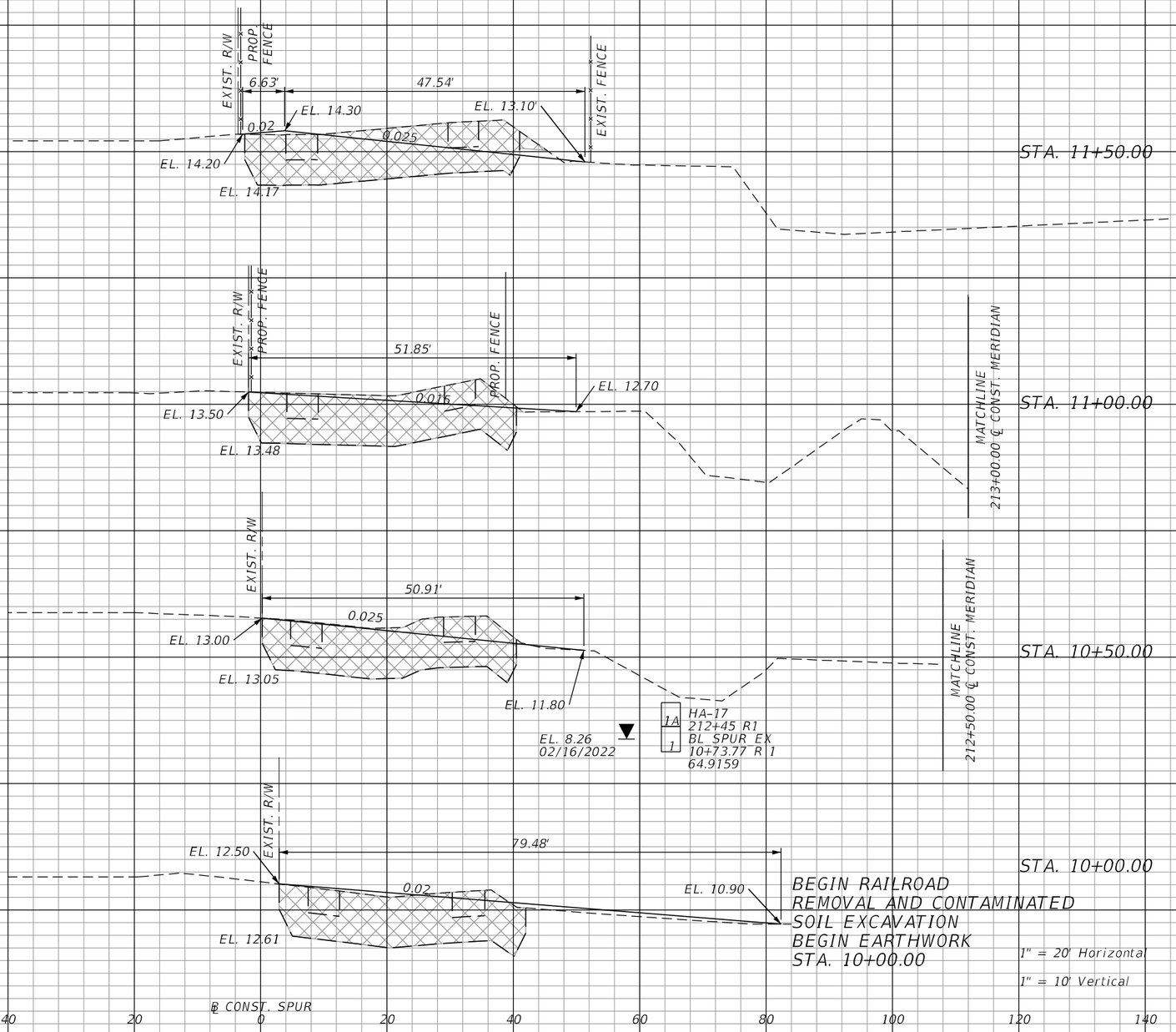
TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	HILLSBOROUGH	O-1022

CROSS SECTION (19)

SHEET NO. 53

LIMITS OF RAILROAD REMOVAL & CONTAMINATED SOIL EXCAVATION



Regular Exc.		Embankment	
A	V	A	V
87.0	157.5	72.7	131.9
83.1	150.0	69.7	125.6
78.9	143.5	65.9	135.5
76.1		80.4	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

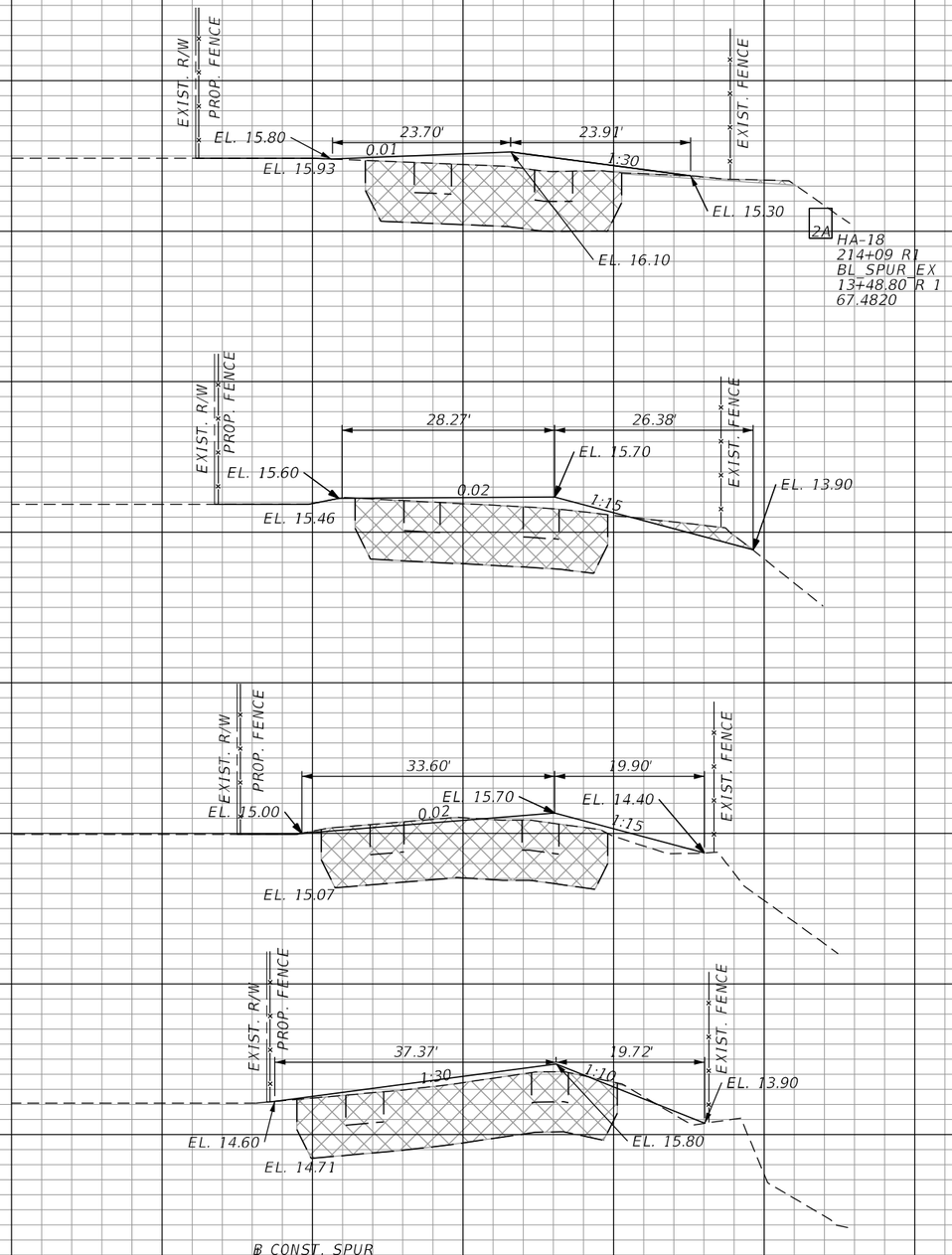
TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	HILLSBOROUGH	O-1022

CROSS SECTION (20)

SHEET NO. 54

LIMITS OF RAILROAD REMOVAL & CONTAMINATED SOIL EXCAVATION



	Regular Exc.		Embankment	
	A	V	A	V
STA. 13+50.00	67.9	126.8	78.3	139.4
STA. 13+00.00	69.1	133.2	72.2	139.9
STA. 12+50.00	74.7	146.8	78.8	156.2
STA. 12+00.00	83.9	158.2	89.9	150.6

1" = 20' Horizontal

1" = 10' Vertical

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

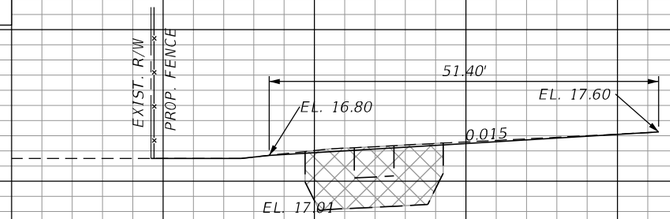
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	HILLSBOROUGH	O-1022

CROSS SECTION (21)

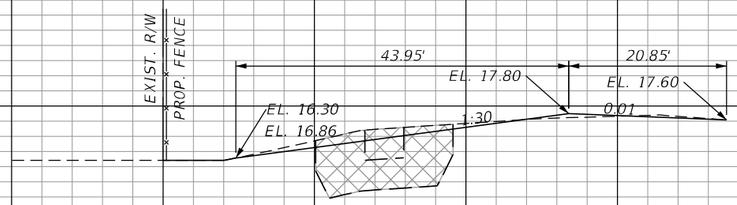
SHEET NO. 55

LIMITS OF RAILROAD REMOVAL & CONTAMINATED SOIL EXCAVATION

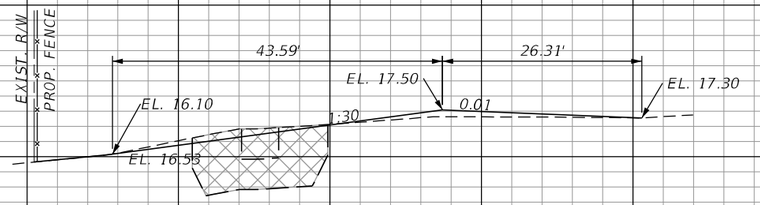
END RAILROAD REMOVAL AND CONTAMINATED SOIL EXCAVATION
END EARTHWORK
STA. 16+41.17



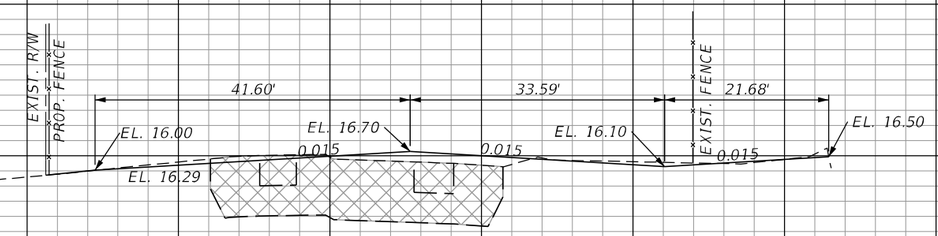
STA. 15+50.00



STA. 15+00.00



STA. 14+50.00



STA. 14+00.00

℄ CONST. SPUR

1" = 20' Horizontal
1" = 10' Vertical

	Regular Exc.		Embankment	
	A	V	A	V
STA. 16+41.17	0.0	60.1	0.0	55.9
STA. 15+50.00	35.6	66.9	33.1	58.7
STA. 15+00.00	36.6	66.1	30.2	60.5
STA. 14+50.00	34.8	104.9	35.1	106.8
STA. 14+00.00	78.5	135.5	80.3	146.9

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	HILLSBOROUGH	O-1022

CROSS SECTION (22)

SHEET NO. 56

THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IS PROVIDED TO ASSIST THE CONTRACTOR IN DEVELOPING THE REQUIRED SITE SPECIFIC EROSION CONTROL PLAN AND OTHER ITEMS NECESSARY TO OBTAIN COVERAGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) CONSTRUCTION GENERIC PERMIT (CGP). REFER TO THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL FOR ADDITIONAL REQUIREMENTS.

I. SITE DESCRIPTION:

(I.A.) NATURE OF CONSTRUCTION ACTIVITY:

THE PROJECT IS THE REDEVELOPMENT OF A 9.87-ACRE COMMERCIAL AREA. IN THE EXISTING CONDITION, THERE ARE SEVERAL RAILROAD TRACKS LOCATED THROUGHOUT THE PROJECT AREA. IN THE PRPOSED CONDITION, THESE RAILROAD TRACKS, ASSOCIATED OPERATIONS INFRASTRUCTURE, AND GRAVEL TRAVEL LANES WILL BE REMOVED AND THE SITE WILL BE RESTORED TO ITS PRE-EXISTING CONDITION WITH GRASS OVERLAY. THE EXISTING STORMWATER DRAINAGE SYSTEM AND ASSOCIATED INFRASTRUCTURE WILL REMAIN AND CONTINUE TO SERVE THE REDEVELOPED PROJECT AREA.

(I.B.) INTENDED SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:

IN THE CONTRACTOR'S EROSION AND SEDIMENT CONTROL PLAN, PREPARE A DETAILED CONSTRUCTION SCHEDULE TO INDICATE DATES OF MAJOR GRADING ACTIVITIES AND SEQUENCES OF TEMPORARY AND PERMANENT SOIL DISTURBING ACTIVITIES ON ALL PORTIONS OF THE PROJECT. FOR ADDITIONAL INFORMATION, REFER TO SECTION 4.7 OF THE NPDES CONSTRUCTION GENERAL PERMIT (CGP).

LIST OF INTENDED ACTIVITIES:

(I.B.1.) FOR EACH CONSTRUCTION PHASE, INSTALL PERIMETER CONTROLS PRIOR TO CLEARING AND GRUBBING OR ANY OTHER CONSTRUCTION ACTIVITIES. REMOVE PERIMITER CONTROLS ONLY AFTER ALL UPSTREAM AREAS ARE STABILIZED AND PERMANENT VEGETATION IS ESTABLISHED.

(I.B.2.) TIME CONSTRUCTION ACTIVITIES TO LIMIT IMPACT FROM SEASONAL CHANGES OR WEATHER EVENTS.

(i.B.3.) THE CONTRACTOR WILL PROVIDE POLLUTION CONTROL BY IMPLEMENTING DUST CONTROL DURING ALL PHASES OF CONSTRUCTION.

(I.B.4.) OFFSITE RUNOFF SHOULD BE DIVERTED AWAY OR THROUGH THE CONSTRUCTION AREA, IF POSSIBLE. THIS ADDITIONAL FLOW, IF NOT DIVERTED, CAN ADD VOLUME AND SIZE TO STRUCTURAL PRACTICES, REQUIRING MORE FREQUENT MAINTENANCE AND LIMITING EFFECTIVENESS OF EROSION AND SEDIMENT CONTROLS.

(I.C.) PROJECT AREA ESTIMATES:

TOTAL SITE AREA: 9.87 ACRES.
TOTAL AREA TO BE DISTURBED: 9.87 ACRES

(I.D.) RUNOFF DATA:

RUNOFF COEFFICIENTS BEFORE Cw (B), DURING Cw (D) AND AFTER Cw (A) CONSTRUCTION.

RUNOFF COEFFICIENTS FOR:
EXISTING RAILROAD TRACKS: C=0.55
DISTURBED AREAS, EXPOSED SOIL, ETC., DURING CONSTRUCTION: C=0.40

WEIGHTED RUN-OFF COEFFICIENT:
BEFORE: Cw (B) = 0.55 DURING: Cw (D) =0.40 AFTER: Cw (A) = 0.35

THE RUN-OFF COEFFICIENT Cw (D), IS CALCULATED ASSUMING THAT THE MAXIMUM ALLOWABLE AREA OF SOIL IS DISTURBED DURING CONSTRUCTION AND THE REMAINING AMOUNT IS THE EXISTING IMPERVIOUS AND GRASSED AREAS.

SOIL DATA:

IN GENERAL, THE SOILS ARE:

	SOIL TYPE	% OF PROJECT	HYDROLOGIC GROUP	DEPTH TO SHWE
56	URBAN LAND, 0 TO 2 PERCENT SLOPES	100%	UNKNOWN	UNKNOWN

REFERENCE: USDA SOIL SURVEY OF HILLSBOROUGH COUNTY FLORIDA

OUTFALL INFORMATION:

THERE ARE 2 OUTFALLS.

THE OUTFALLS DISCHARGE INTO THE FOLLOWING BASINS:

BASINS	WBID	PARAMETER(S) OF CONCERN FOR 303(d) LISTING
YBOR CITY DRAIN	1584A2	ENTEROCICCI

OUTFALL LOCATIONS: (TEMPORARY AND PERMANENT)

	DESCRIPTION	DRAINAGE AREA (AC)	LATITUDE	LONGITUDE	RECEIVING WATERBODY
S-74 (See THEA Project ID 51.41.01)	60"	35	27° 56' 31.00"	82° 26' 58.50"	GARRISON CHANNEL
YORK OUTFALL (See THEA Project ID 51.41.01)	48"	35	27° 56' 48.73"	82° 26' 37.22"	YBOR CHANNEL

(I.E.) SITE MAP:

THE SITE MAP SHALL BE COMPRISED OF THE CONSTRUCTION PLANS AND THE CONTRACTOR'S SITE-SPECIFIC EROSION CONTROL PLAN.

(I.F) RECEIVING WATERS:

THE PROPOSED STORMWATER RUNOFF WITHIN THE PROJECT LIMITS WILL OUTFALL TO YBOR CHANNEL.

(I.G.) STORMWATER MANAGEMENT (EXISTING/PROPOSED)

(I.G.1.) THERE IS NO TREATMENT PROVIDED FOR ALL PORTIONS OF THE PROJECT AREA IN THE EXISTING CONDITION.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Anthony Fromen, P.E.
P.E. No.: 90984

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

STORMWATER POLLUTION PREVENTION PLAN (1)

SHEET NO. 57

II. CONTROLS:

(II.A.) SEDIMENT AND EROSION CONTROLS

(II.A.1.) PER SECTION 5.4 OF THE NPDES CGP, STABILIZATION SHALL TAKE PLACE AS SOON AS PRACTICAL IN PORTIONS OF THE PROJECT WHERE CONSTRUCTION ACTIVITIES HAVE CEASED, BUT NO LATER THAN 7 DAYS AFTER ANY CONSTRUCTION ACTIVITY CEASES EITHER TEMPORARILY OR PERMANENTLY.

(II.A.2) SEDIMENT BARRIERS SHALL BE USED AROUND THE PERIMETER OF STOCKPILE AREAS.

(II.A.3.) STRUCTURAL PRACTICES

IN THE CONTRACTOR'S SITE SPECIFIC SEDIMENT AND EROSION CONTROL PLAN, DESCRIBE THE PROPOSED STRUCTURAL PRACTICES TO CONTROL OR TRAP SEDIMENT AND OTHERWISE PREVENT THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. SEDIMENT CONTROLS SHALL BE IN PLACE BEFORE DISTURBING SOIL UPSTREAM OF THE CONTROL. THE STRUCTURAL PRACTICES MAY INCLUDE THE FOLLOWING, AS APPROVED BY THE ENGINEER:

TEMPORARY DEVICES:
* SILT FENCE

* SOIL TRACKING PREVENTION DEVICES AT CONSTRUCTION ENTRANCES/EXITS

* INLET PROTECTION SYSTEMS INCLUDING SYNTHETIC BALES AND SANDBAGS

* SEDIMENT BASIN/CONTAINMENT SYSTEMS

* CHEMICAL TREATMENTS SUCH AS POLYACRYLAMIDES AND ALUM

PERMANENT:
* SOD (MAY ALSO BE USED FOR TEMPORARY CONTROLS)

(II.B.) WATER QUALITY MONITORING

(II.B.1.) WATER QUALITY MONITORING SHALL BE CONDUCTED IN ACCORDANCE WITH THE SPECIAL CONDITIONS OF ANY ENVIRONMENTAL PERMIT, OR BY THE CONTRACTOR UPON THE OBSERVATION THAT WATER QUALITY STANDARDS MAY BE VIOLATED BY THE CONTRACTOR'S ACTIVITIES. MONITORING LOCATIONS MAY BE SPECIFIED IN THE ENVIRONMENTAL PERMIT OR MAY BE DESIGNATED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.

(II.B.2.) THE ENGINEER WILL BE RESPONSIBLE FOR MONITORING ANY ACTIVITIES FOR VIOLATION OF WATER QUALITY STANDARDS AS THEY RELATE TO TURBIDITY (NO GREATER THAN 29 NEPHELOMETRIC TURBIDITY UNITS (NTUs) ABOVE BACKGROUND OR GREATER THAN 0 NTUs ABOVE BACKGROUND FOR DIRECT DISCHARGES TO OUTSTANDING FLORIDA WATERS (OFWs)).

(II.B.3.) IF WATER QUALITY STANDARDS ARE VIOLATED, CONSTRUCTION SHALL BE STOPPED IMMEDIATELY. THE ENVIROMENTAL PERMIT CONDITIONS FOLLOWED AND EROSION AND SEDIMENT CONTROL DEVICES REEVALUATED AND APPROVED BY THE ENGINEER PRIOR TO ANY CONTINUATION OF ACTIVITY. MONITORING ACTIVITIES AND TURBIDITY READINGS SHALL BE RECORDED ON THE CONSTRUCTION INSPECTION REPORT AND CONTINUED UNTIL TURBIDITY READINGS FALL BELOW AN ACCEPTABLE LEVEL (LESS THAN 29 NTUs ABOVE BACKGROUND OR LESS THAN 0 NTUs ABOVE BACKGROUND FOR DIRECT DISCHARGES TO OFWs).

(II.B.4.) WATER QUALITY MONITORING MAY BE CONDUCTED DURING ANY PHASE OF CONSTRUCTION AS DIRECTED BY THE ENGINEER.

(II.C.) DEWATERING CONTROLS

THE SITE SPECIFIC SEDIMENT AND EROSION CONTROL PLAN SHALL INCLUDE A DESCRIPTION OF THE BMPs THAT WILL BE USED TO ENSURE THAT DISCHARGES OF NONCONTAMINATED GROUND WATER FROM DEWATERING OPERATIONS DO NOT CAUSE OR CONTRIBUTE TO VIOLATIONS OF STATE WATER QUALITY STANDARDS.

(II.D.) OTHER CONTROLS

(II.D.1.) THE SITE SPECIFIC SEDIMENT AND EROSION CONTROL PLAN SHALL IDENTIFY CHEMICAL AND FUEL STORAGE AREAS, MEANS OF MINIMIZING EXPOSURE TO STORMWATER, AND SPILL PREVENTION.

(II.D.2.) OFFSITE VEHICLE TRACKING & GENERATION OF DUST

IN THE SEDIMENT AND EROSION CONTROL PLAN, DESCRIBE THE PROPOSED METHODS FOR MINIMIZING OFFSITE VEHICLE TRACKING OF SEDIMENTS AND GENERATING DUST. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

(II.D.2.a.) LOADED HAUL TRUCKS ARE TO BE COVERED BY A TARPAULIN.

(II.D.2.b.) REMOVING EXCESS DIRT FROM ROADS DAILY.

(II.D.2.c.) USING WATER TRUCKS DURING DUST-GENERATING ACTIVITIES.

(II.D.2.d.) SEDIMENT CONTROL MAY BE ACCOMPLISHED BY USING STREET OR VACUUM SWEEPERS.

III. MAINTENANCE

MAINTAIN AND REPAIR ALL EROSION AND SEDIMENT CONTROL DEVICES AND REMOVE EROSION AND SEDIMENT CONTROL DEVICES WHEN NOTICE OF TERMINATION IS MAILED. REMOVE AND PROPERLY DISPOSE OF SEDIMENT BUILDUP THROUGH THE LIFE OF THE INSTALLED EROSION AND SEDIMENT CONTROL DEVICES.

(III.A.) IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF NOTICE.

(III.B.) SEDIMENT BARRIERS SHALL BE REPLACED WHEN IT IS NO LONGER EFFECTIVE OR AS DIRECTED BY THE ENGINEER.

(III.C.) STABILIZED CONSTRUCTION ENTRANCES SHALL BE MAINTAINED TO PREVENT CLOGGING OF ROCK BEDDING WHICH MAY IMPEDE THE USEFULNESS OF THE STRUCTURE.

(III.D.) REMOVE SEDIMENT FROM SEDIMENT BASINS WHEN IT BECOMES MORE THAN HALF THE AVAILABLE VOLUME.

IV.INSPECTION

INSTALL AND MAINTAIN RAIN GAUGES ON THE PROJECT SITE AND RECORD RAINFALL.
INSPECTION LOCATIONS MAY INCLUDE: ALL DISCHARGE POINTS, MATERIAL STOCKPILES, SEDIMENTATION FACILITIES, STRUCTURAL FACILITIES, STORMWATER MANAGEMENT SYSTEMS, PROJECT ACCESS POINTS, AND ANY CLEARED AREA.

V. NON-STORMWATER DISCHARGES

THE SITE SPECIFIC EROSION AND SEDIMENT CONTROL PLAN SHALL IDENTIFY ALL ANTICIPATED NON-STORMWATER DISCHARGES AND DESCRIBE THE PROPOSED MEASURES TO PREVENT POLLUTION. THE PLAN SHALL INCLUDE PROCEDURES FOR SPILL CONTAINMENT, REPORTING AND RESPONSES. THE PLAN SHALL SPECIFY WHAT MANAGEMENT PRACTICES AND CONTAINMENT METHODS WILL BE USED TO PREVENT POTENTIAL POLLUTANTS (FUEL, LUBRICANTS, HERBICIDES, ETC.) FROM SPILLING ONTO THE SOIL OR INTO THE SURFACE WATERS. IF A SPILL DOES OCCUR OR IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED, CONTACT THE TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY DIRECTOR OF OPERATIONS AND ENGINEERING, BRIAN PICKARD AT 813-272-5987 AND THE ENGINEER. IF A RELEASE CONTAINING HAZARDOUS SUBSTANCES OCCURS, CONTACT THE FLORIDA STATE WATCH OFFICE AT 800-320-0519 OR 850-413-9911 PER SECTION 9.2 OF THE CGP.

VI. TRACKING AND REPORTING:

(VI.A.) SUBMIT A WEEKLY REPORT TO THE DEPARTMENT DOCUMENTING THE DAILY INSPECTIONS AND MAINTENANCE OR REPAIRS TO THE EROSION AND SEDIMENT CONTROL DEVICES. MAINTAIN ALL REQUIRED REPORTS AND COMPLETE ALL SWPPP INSPECTION FORMS.

(VI.B.) PREPARATION OF ALL THE CONTRACTOR'S REPORTS OF INSPECTION, MAINTENANCE AND REPAIRS REQUIRED FOR THE CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION, SHALL BE INCLUDED IN THE INDIVIDUAL COSTS OF THE EROSION AND SEDIMENT CONTROL DEVICES.

(VI.C.) USE THE SWPPP CONSTRUCTION INSPECTION REPORT FORM # 650-040-03, FOR DAILY INSPECTIONS.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

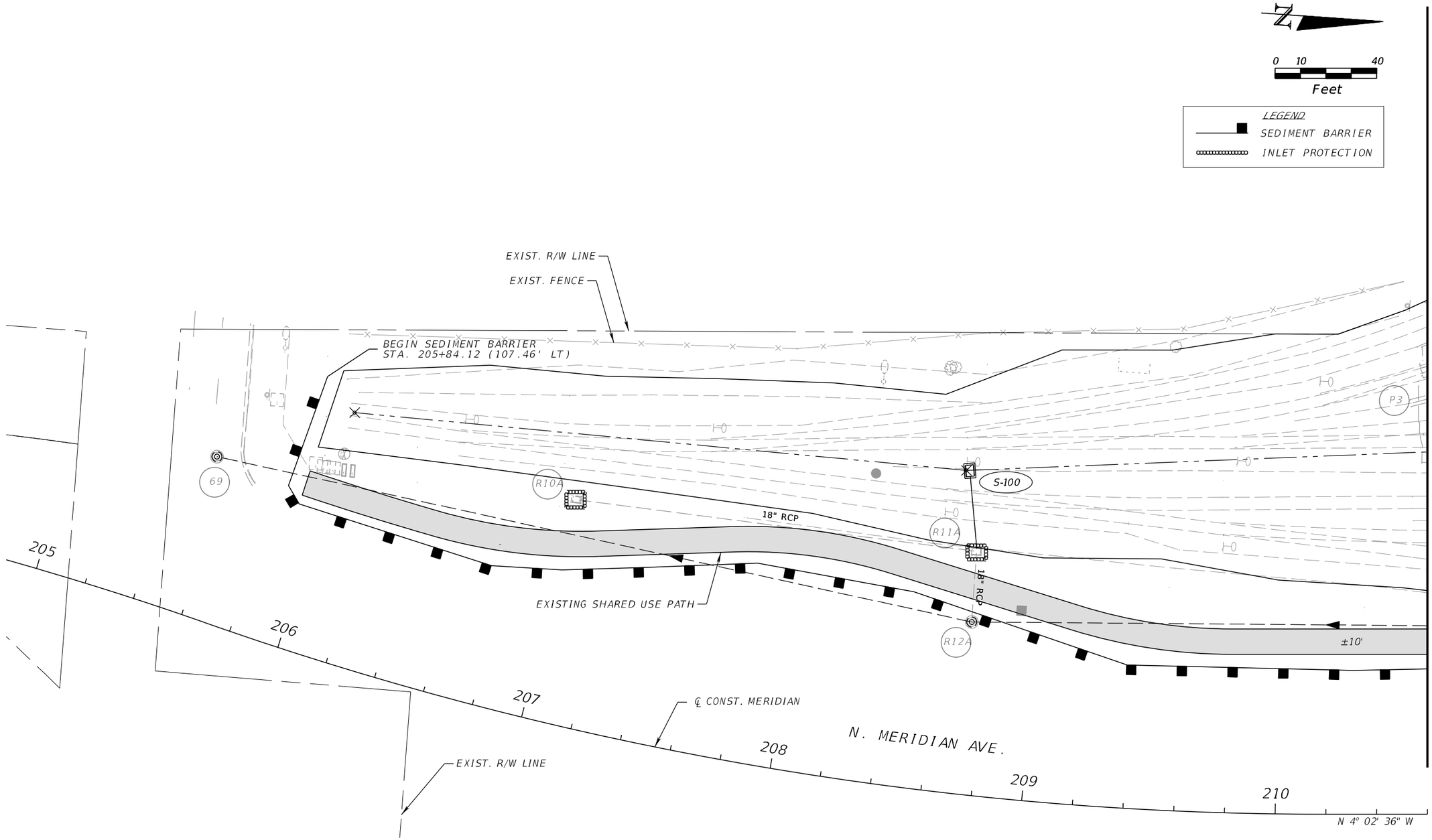
Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Anthony Fromen, P.E.
P.E. No.: 90984

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

STORMWATER POLLUTION PREVENTION PLAN (2)

SHEET NO. 58



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Anthony Fromen, P.E.
P.E. No.: 90984

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

EROSION CONTROL (1)

SHEET NO. 59

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

MATCHLINE STA. 11+59 ℄ CONST. SPUR

EXIST. R/W LINE

℄ CONST. SPUR

BEGIN SEDIMENT BARRIER
STA. 11+04.19 (2.66' LT)

BEGIN SEDIMENT BARRIER
STA. 11+50.67 (83.30' LT)

BEGIN SEDIMENT BARRIER
STA. 212+50.00 (215.13' LT)

BE CAREFUL

RR SWITCH

EXISTING SHARED USE PATH

N

0 10 40
Feet

MATCHLINE STA. 210+60 ℄ CONST. MERIDIAN

MATCHLINE STA. 216+20 ℄ CONST. MERIDIAN

℄ CONST. MERIDIAN

N. MERIDIAN AVE.

211 212 213 214 215 216

N 4° 02' 36" W

LEGEND
SEDIMENT BARRIER
INLET PROTECTION

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

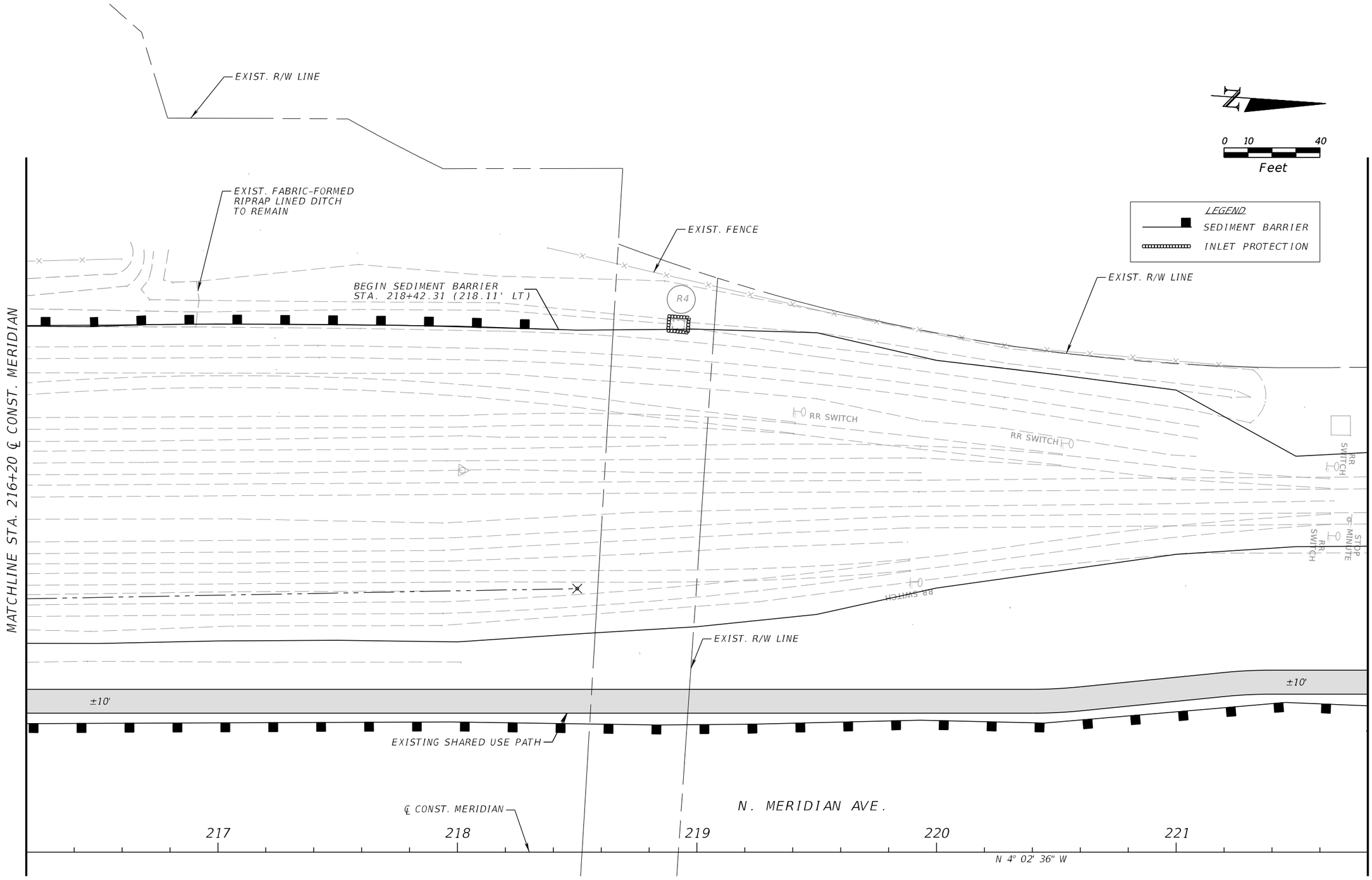
Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Anthony Fromen, P.E.
P.E. No.: 90984

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

EROSION CONTROL (2)

SHEET NO. 60



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Anthony Fromen, P.E.
P.E. No.: 90984

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

EROSION CONTROL (3)

SHEET NO. 61

MATCHLINE STA. 221+80 ℄ CONST. MERIDIAN

END SEDIMENT BARRIER
STA. 221+88.50 (275.99' LT)

BEGIN SEDIMENT BARRIER
STA. 221+91.76 (168.64' LT)

END SEDIMENT BARRIER
STA. 222+81.94 (223.91' LT)

℄ CONST. JACKSON

BEGIN SEDIMENT BARRIER
STA. 222+79.43 (171.30' LT)

END SEDIMENT BARRIER
STA. 225+50.98 (190.49' LT)

EXIST. FENCE
EXIST. R/W LINE

START SEDIMENT BARRIER
STA. 225+54.68 (163.34' LT)

END SEDIMENT BARRIER
STA. 225+58.04 (138.70' LT)

BEGIN SEDIMENT BARRIER
STA. 222+77.33 (127.14' LT)

EXISTING SHARED USE PATH

END SEDIMENT BARRIER
STA. 221+93.63 (123.13' LT)

EXIST. R/W LINE

℄ CONST. MERIDIAN

N 4° 02' 36" W

N. MERIDIAN AVE.

N 70° 55' 41" E

℄ CONST. KENNEDY

E KENNEDY BLVD

END SEDIMENT BARRIER
STA. 226+20.31 (189.38' LT)

EXIST. R/W LINE

BEGIN SEDIMENT BARRIER
STA. 226+28.54 (171.94' LT)

BEGIN SEDIMENT BARRIER
STA. 226+47.05 (139.64' LT)

S 89° 21' 42" E

E JACKSON ST

N 85° 23' 39" E

N

0 10 40
Feet

LEGEND
SEDIMENT BARRIER
INLET PROTECTION

222 223 224 225 226 227

702 703 704 705 905 906 907 908

86 85 30 29 R5 38 39 87

MATCHLINE STA. 227+40 ℄ CONST. MERIDIAN

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

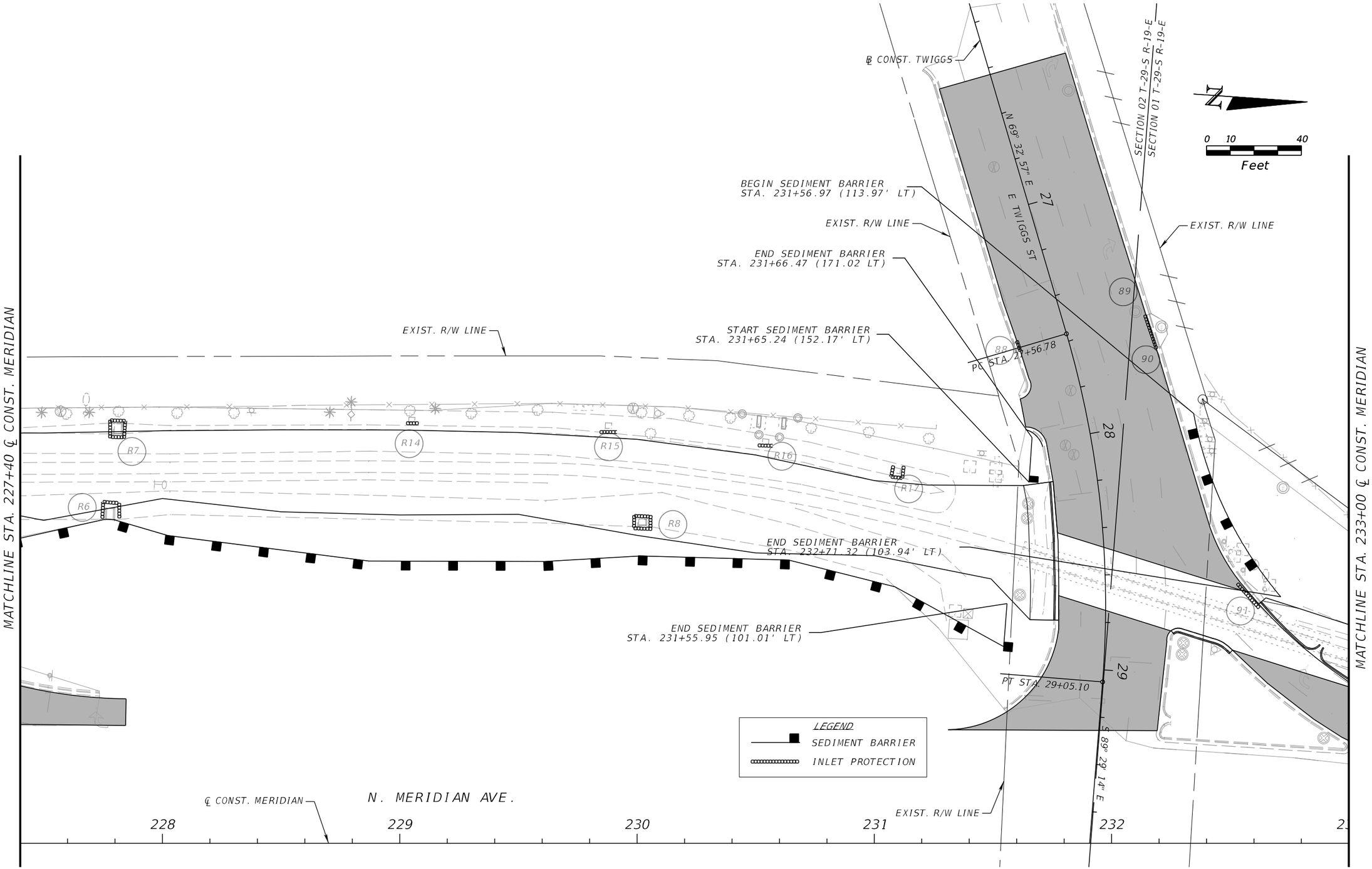
Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Anthony Fromen, P.E.
P.E. No.: 90984

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

EROSION CONTROL (4)

SHEET NO. 62



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

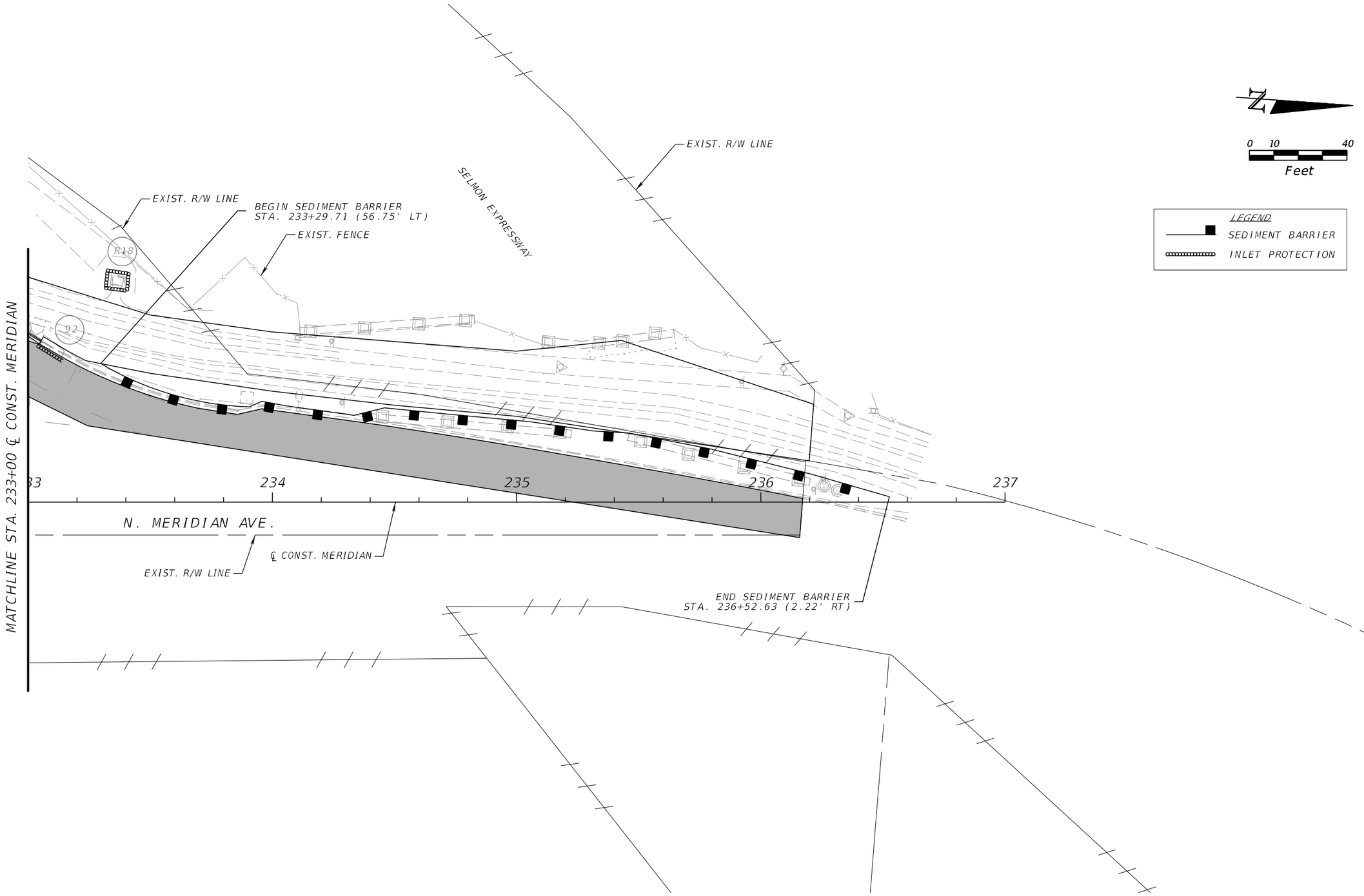
Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Anthony Fromen, P.E.
P.E. No.: 90984

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

EROSION CONTROL (5)

SHEET NO. 63



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Anthony Fromen, P.E.
P.E. No.: 90984

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

EROSION CONTROL (6)

SHEET NO. 64

MATCHLINE STA. 11+59 ℄ CONST. SPUR

LEGEND

SEDIMENT BARRIER

N

0 10 40

Feet

℄ CONST. SPUR

EXIST. R/W LINE

PCC STA. 14+73.93

END SEDIMENT BARRIER
STA. 16+57.74 (21.41' LT)

PT STA. 16+51.38

END SEDIMENT BARRIER
STA. 13+92.32 (87.97' LT)

E WHITING STREET

EXIST. R/W LINE

NOTE: THE EXISTING RAILROAD LINE CONTINUES OVER NEBRASKA AVENUE, OUTSIDE OF THEA'S RIGHT-OF-WAY. THE CONTRACTOR MUST COORDINATE WITH THE CITY OF TAMPA PRIOR TO THE RAIL CUT OFF FOR UNFORESEEN CIRCUMSTANCES RELATED TO POTENTIAL DISTURBANCES TO THE EXISTING PAVEMENT ALONG NEBRASKA AVENUE WHICH MAY REQUIRE REMEDIATION BEYOND THE SCOPE OF WORK COVERED UNDER THIS CONSTRUCTION PROJECT.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Anthony Fromen, P.E.
P.E. No.: 90984

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

EROSION CONTROL (7)

SHEET NO. 65

TEMPORARY TRAFFIC CONTROL PLAN GENERAL NOTES

1. THE PROPOSED IMPROVEMENTS ALONG EACH SIDE STREET ARE INTENDED TO BE COMPLETED DURING OFF PEAK HOURS, OVER THE WEEKEND BEGINNING 10:00 PM ON FRIDAY AND ENDING BY 6:00 AM ON MONDAY. ONLY ONE SIDE STREET SHALL BE CLOSED AT A TIME. COORDINATE WITH THE TAMPA HILLSBOROUGH EXPRESSWAY AUTHOURITY (THEA) AND THE ENGINEER A MINIMUM OF THREE WEEKS IN ADVANCE OF ALL CLOSURES TO ALLOW FOR PROPER ADVANCE NOTIFICATION TO PROJECT STAKEHOLDERS. CLOSURES FOR E. JACKSON ST. AND KENNEDY BLVD. SHALL BE SUBJECT TO THE APPROVAL OF THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) AND THEA. CLOSURES ALONG E. TWIGGS ST. SHALL BE SUBJECT TO THE APPROVAL OF THEA AND THE CITY OF TAMPA.

2. LANE CLOSURES MAY BE USED TO COMPLETE MISCELLANEOUS IMPROVEMENTS OUTSIDE OF THE RAILROAD INFRASTRUCTURE REMOVAL. SEE THE ROADWAY, SIGNING AND PAVEMENT MARKING, AND SIGNALIZATION PLANS FOR ADDITIONAL IMPROVEMENTS OUTSIDE OF THESE LIMITS. LANE CLOSURES ARE NOT PERMITTED DURING ACTIVE MOTORIST DETOURS. LANE CLOSURES ARE PERMITTED BETWEEN THE HOURS OF 10:00 PM AND 6:00 AM.

3. ALL DETOURS AND LANE CLOSURES ARE PROHIBITED DURING SPECIAL EVENTS. SPECIAL EVENTS ARE AS FOLLOWS:
   - FLORIDA STATE FAIRGROUNDS, AMPHITHEATER AND TAMPA STADIUM (RAYMOND JAMES STADIUM) WITH AN ANTICIPATED CROWD OF 35,000 OR HIGHER
   - FORUM/ICE PALACE (AMALIE ARENA) WITH AN ANTICIPATED CROWD OF 10,000 OR HIGHER
   - DOWNTOWN TAMPA, BAYSHORE BLVD. AND YBOR CITY WITH AN ANTICIPATED CROWD OF 10,000 OR HIGHER

4. ALL LANES MUST BE REOPENED TO NORMAL TRAFFIC WITHIN 12 HOURS DURING AN EVACUATION NOTICE OF A HURRICANE OR ANY OTHER EMERGENCY EVENT AND SHALL REMAIN OPEN FOR THE DURATION OF THE EVENT AS DIRECTED BY THE ENGINEER AND THEA.

5. TRAFFIC CONDITIONS, ACCIDENTS, AND OTHER UNFORSEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT OR REMOVE LANE CLOSURES OR CHANNELIZING DEVICES SHOWN IN THE PLANS. NECESSARY ADJUSTS SHALL BE MADE, AS DIRECTED BY THE ENGINEER, WITHOUT DELAY. RESPONSES TO ANY REQUESTS MADE BY THE ENGINEER FOR CORRECTION, IMPROVEMENT OR MODIFICATION OF ALL TEMPORARY TRAFFIC CONTROL PLAN DEVICES SHALL BE MADE WITHIN 30 MINUTES FROM THE TIME OF NOTIFICATION.

6. TEMPORARY TRAFFIC CONTROL SIGNING LOCATIONS ARE APPROXIMATE AND MAY BE ADJUSTED AS DEEMED NECESSARY BY THE ENGINEER TO AVOID STREET, DRIVEWAY, PEDESTRIAN, BICYCLISTS, OR OTHER CONFLICTS. MINIMUM SIGNING DISTANCES WILL BE MAINTAINED DURING CONSTRUCTION. EXISTING SIGNING WHICH CONFLICTS WITH THIS TEMPORARY TRAFFIC CONTROL PLAN SHALL BE COVERED DURING CONSTRUCTION.

7. NOTIFY ALL LOCAL LAW ENFORCEMENT, EMERGENCY/RESCUE AGENCIES LOCATED IN THE PROJECT VICINITY 24 HOURS IN ADVANCE OF PERFORMING ANY VECHICLE DETOURS AND LANE CLOSURES.

8. MAINTAIN ALL STREET NAME IDENTIFICATION VISIBLE DURING CONSTRUCTION OPERATIONS AT ALL TIMES.

9. SEVEN DAYS PRIOR TO THE FIRST DAY OF ROADWAY CONSTRUCTION ON E. JACKSON ST. / E. KENNEDY BLVD. / E. TWIGGS ST., INSTALL A PCMS 500' IN ADVANCE OF THE FIRST WORK ZONE SIGN OR AS APPROVED BY THE ENGINEER WITH THE FOLLOWING MESSAGES:

MESSAGE 1	MESSAGE 2
(STREET NAME) ROAD WORK	BEGINS (BEGIN DATE)

SIDE STREET
(E. JACKSON ST. / E. KENNEDY BLVD. / E. TWIGGS ST.)

DURING LANE CLOSURES THE FOLLOWING MESSAGES SHALL BE DISPLAYED:

MESSAGE 1	MESSAGE 2
(STREET NAME) ROAD WORK	MERGE AHEAD

10. THE EXISTING POSTED SPEED OF 30 MPH FOR E. JACKSON ST. / E. KENNEDY BLVD. / E. TWIGGS ST., IS TO BE MAINTAINED DURING CONSTRUCTION.

11. THE CARLTON ACADEMY DAY SCHOOL DIRECTOR SHALL BE CONTACTED A MINIMUM OF 14 DAYS IN ADVANCE OF PERFORMING ANY LANE CLOSURE OR DETOUR. ACCESS POINTS TO THE SCHOOL SHALL NOT BE RESTRICTED DURING ANY SCHEDULED EVENT.
    CONTACT: MONICA CAMPBELL - DIRECTOR
    PHONE: (813) 274-8179

12. THE RAMPELLO DOWNTOWN PARTNERSHIP SCHOOL PRINCIPLE SHALL BE CONTACTED A MINIMUM OF 14 DAYS IN ADVANCE OF PERFORMING ANY LANE CLOSURE OR DETOUR. ACCESS POINTS TO THE SCHOOL SHALL NOT BE RESTRICTED DURING ANY SCHEDULED EVENT.
    EMAIL: LIZ.UPPERCUE@SDHC.K12.FL.US

13. THE CITY OF TAMPA SHALL BE NOTIFIED 14 DAYS PRIOR TO ANY LANE CLOSURE OR DETOUR. THE CITY OF TAMPA PARKING SHALL BE NOTIFIED A MINIMUM OF 7 DAYS IN ADVANCE OF ANY PARKING SPACE CLOSURE.
    PHONE: (813) 274-8179

14. THE HILLSBOROUGH AREA REGIONAL TRANSIT AUTHORITY (HART) PROJECT MANAGER SHALL BE NOTIFIED A MINIMUM OF 14 DAYS IN ADVANCE OF PERFORMING ANY LANE CLOSURE OR DETOUR AS WELL AS ANY WORK AFFECTING HART BUS STOPS.
    PHONE: (813) 384-6438
    EMAIL: RODRIGUEZD@GOHART.ORG

TEMPORARY TRAFFIC CONTROL PLAN PHASE NOTES

PHASE I

1. CONDUCT PEDESTRIAN SPECIAL DETOUR, PLACE CHANNELIZING DEVICES, WORK ZONE SIGNS, AND LONGITUDINAL PEDESTRIAN CHANNELIZING DEVICES AS SHOWN IN THE PEDESTRIAN DETOUR.

2. PERFORM RAILROAD REMOVAL, EMBANKMENT WITHIN NON ROADWAY CROSSING AREAS. USE VEHICLE DETOUR PLAN ALONG E. JACKSON ST. TO PERFORM RAILROAD REMOVAL, ROADWAY PAVEMENT RECONSTRUCTION AND MILLING AND RESURFACING. MODIFY EXISTING SIGNALIZATION COMPONENT PER THE SIGNALIZATION PLANS. PLACE FINAL FRICTION COURSE AND PAVEMENT MARKINGS ALONG E. JACKSON ST.

PHASE II

1. CONDUCT PEDESTRIAN SPECIAL DETOUR, PLACE CHANNELIZING DEVICES, WORK ZONE SIGNS, AND LONGITUDINAL PEDESTRIAN CHANNELIZING DEVICES AS SHOWN IN THE PEDESTRIAN DETOUR.

2. USE VEHICLE DETOUR PLAN ALONG E. KENNEDY BLVD. TO PERFORM RAILROAD REMOVAL, ROADWAY PAVEMENT RECONSTRUCTION AND MILLING AND RESURFACING. MODIFY EXISTING SIGNALIZATION COMPONENT PER THE SIGNALIZATION PLANS. PLACE FINAL FRICTION COURSE AND PAVEMENT MARKINGS ALONG E. KENNEDY BLVD.

3. COMPLETE MERIDIAN AVENUE SAFETY IMPROVEMENTS ACCORDING TO THE SIGNING AND PAVEMENT MARKING PLANS. MAINTAIN TRAFFIC PER FDOT STANDARD PLANS INDEX 102-602, 102-603, AND 102-613 AS NECESSARY.

PHASE III

1. CONDUCT PEDESTRIAN SPECIAL DETOUR, PLACE CHANNELIZING DEVICES, WORK ZONE SIGNS, AND LONGITUDINAL PEDESTRIAN CHANNELIZING DEVICES AS SHOWN IN THE PEDESTRIAN DETOUR.

2. USE VEHICLE DETOUR PLAN ALONG E. TWIGGS ST. TO PERFORM RAILROAD REMOVAL, ROADWAY PAVEMENT RECONSTRUCTION AND MILLING AND RESURFACING. MODIFY EXISTING SIGNALIZATION COMPONENT PER THE SIGNALIZATION PLANS. PLACE FINAL FRICTION COURSE AND PAVEMENT MARKINGS ALONG E. TWIGGS ST.

3. MILL AND RESURFACE THE MERIDIAN GREENWAY TRAIL. SET UP WORK ZONE IN ACCORDANCE WITH THE PEDESTRIAN SPECIAL DETOUR PLAN.

4. ONCE ALL CONSTRUCTION ACTIVITIES PER SCOPE ARE COMPLETED, REMOVE ALL MAINTENANCE OF TRAFFIC RELATED ITEMS.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

GENERAL NOTES

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

TEMPORARY TRAFFIC CONTROL PLAN (1)

SHEET NO. 66

LEGEND

- Work Zone Sign
- Work Area
- Direction of Traffic
- Type III Barricade
- Portable Changeable (Variable) Message Sign

NOT TO SCALE

N. MORGAN ST.
N. PIERCE ST.
N. JEFFERSON ST.
E. CUMBERLAND AVE.
E. WHITTING ST.
E. WASHINGTON ST.
E. JACKSON ST.
E. KENNEDY BLVD.
E. TWIGGS ST.
S. NEBRASKA AVE.
N. BRUSH ST.
NEBRASKA AVE.
N. MERIDIAN AVE.
E. MADISON ST.
SELMON EXPRESSWAY

A — Jackson St / DETOUR (←)
B — Jackson St / DETOUR (→)
C — Jackson St / DETOUR (↑)
D — DETOUR AHEAD
E — ROAD CLOSED AHEAD
F — END DETOUR
G — ROAD CLOSED / DETOUR (←)
H — ROAD CLOSED

PCMS MESSAGE DURING DETOUR ACTIVITIES:

MESSAGE 1	MESSAGE 2
JACKSON	FOLLOW
STREET	DETOUR
CLOSED	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

VEHICLE TRAFFIC DETOUR PLAN - E. JACKSON ST.

PHASE I

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

TEMPORARY TRAFFIC CONTROL PLAN (2)

SHEET NO. 67

LEGEND

- Work Zone Sign
- Work Area
- Direction of Traffic
- Type III Barricade
- Portable Changeable (Variable) Message Sign

NOT TO SCALE

N. MORGAN ST.
N. PIERCE ST.
N. JEFFERSON ST.
E. WHITTING ST.
E. WASHINGTON ST.
E. JACKSON ST.
E. KENNEDY BLVD.
E. TWIGGS ST.
S. NEBRASKA AVE.
E. CUMBERLAND AVE.
N. BRUSH ST.
NEBRASKA AVE.
N. MERIDIAN AVE.
E. MADISON ST.
SELMON EXPRESSWAY

Kennedy Blvd DETOUR ← A
Kennedy Blvd DETOUR → B
Kennedy Blvd DETOUR ↑ C
DETOUR AHEAD D
ROAD CLOSED AHEAD E
END DETOUR F
ROAD CLOSED DETOUR G
ROAD CLOSED DETOUR H
I
J
ROAD CLOSED K
ROAD WORK AHEAD L

PCMS MESSAGE DURING DETOUR ACTIVITIES:

MESSAGE 1	MESSAGE 2
KENNEDY	FOLLOW
BLVD.	DETOUR
CLOSED	

VEHICLE TRAFFIC DETOUR PLAN - E. KENNEDY BLVD.

PHASE II

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

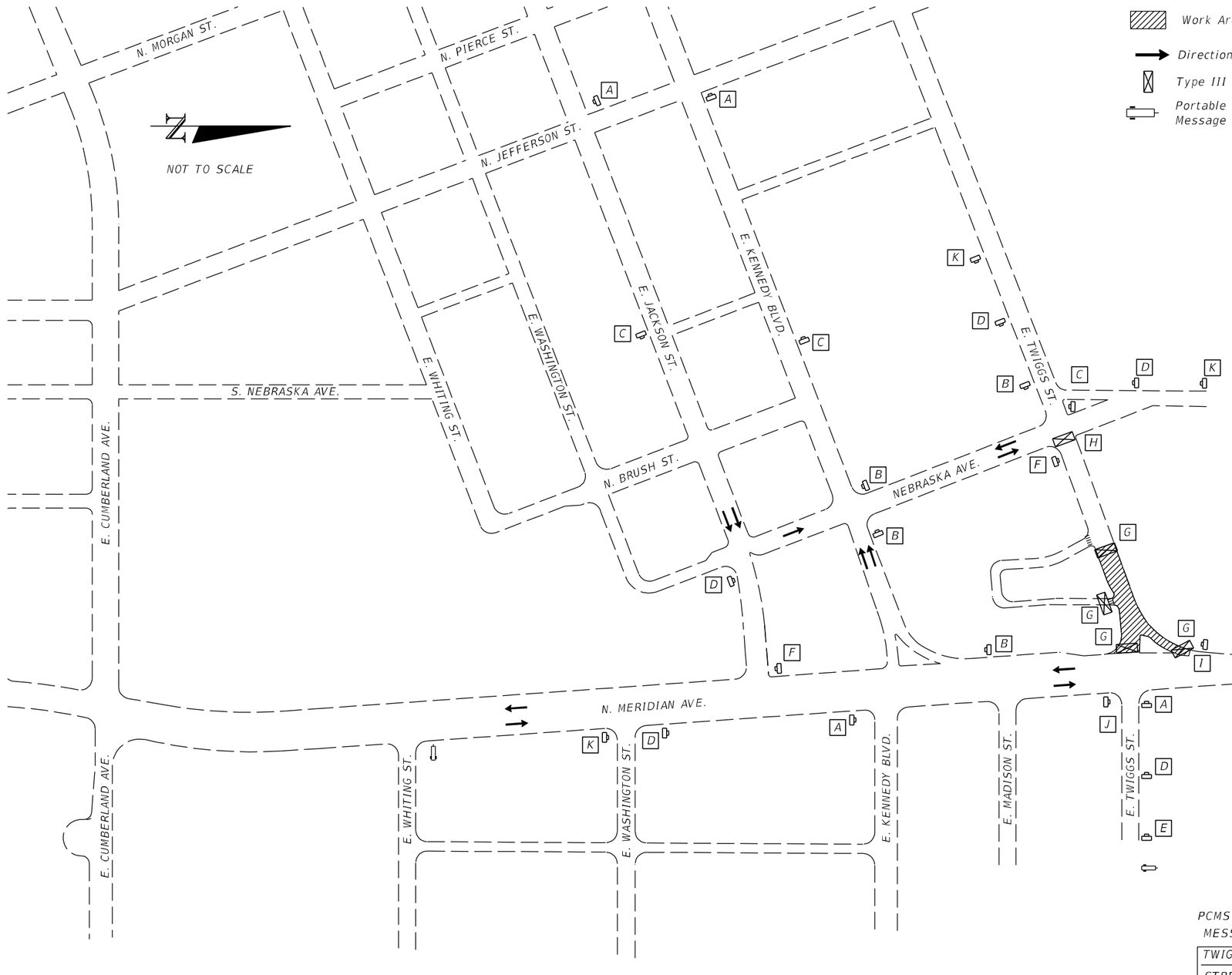
TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

TEMPORARY TRAFFIC CONTROL PLAN (3)

SHEET NO. 68

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



LEGEND

- Work Zone Sign
- Work Area
- Direction of Traffic
- Type III Barricade
- Portable Changeable (Variable) Message Sign

Twiggs St / DETOUR	A	END DETOUR	F
Twiggs St / DETOUR	B	ROAD CLOSED	G
Twiggs St / DETOUR	C	ROAD CLOSED TO THRU TRAFFIC	H
DETOUR AHEAD	D		I
ROAD CLOSED AHEAD	E		J
		ROAD WORK AHEAD	K

PCMS MESSAGE DURING DETOUR ACTIVITIES:

MESSAGE 1	MESSAGE 2
TWIGGS	FOLLOW
STREET	DETOUR
CLOSED	

VEHICLE TRAFFIC DETOUR PLAN - E. TWIGGS ST.

PHASE III

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

TEMPORARY TRAFFIC CONTROL PLAN (4)

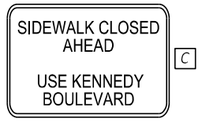
SHEET NO. 69

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

LEGEND

- Work Zone Sign
- Work Area
- Direction of Traffic
- Pedestrian Longitudinal Channelizing Device (LCD) with Mounted Work Zone Sign or separate Work Zone Sign
- Pedestrian Detour Path

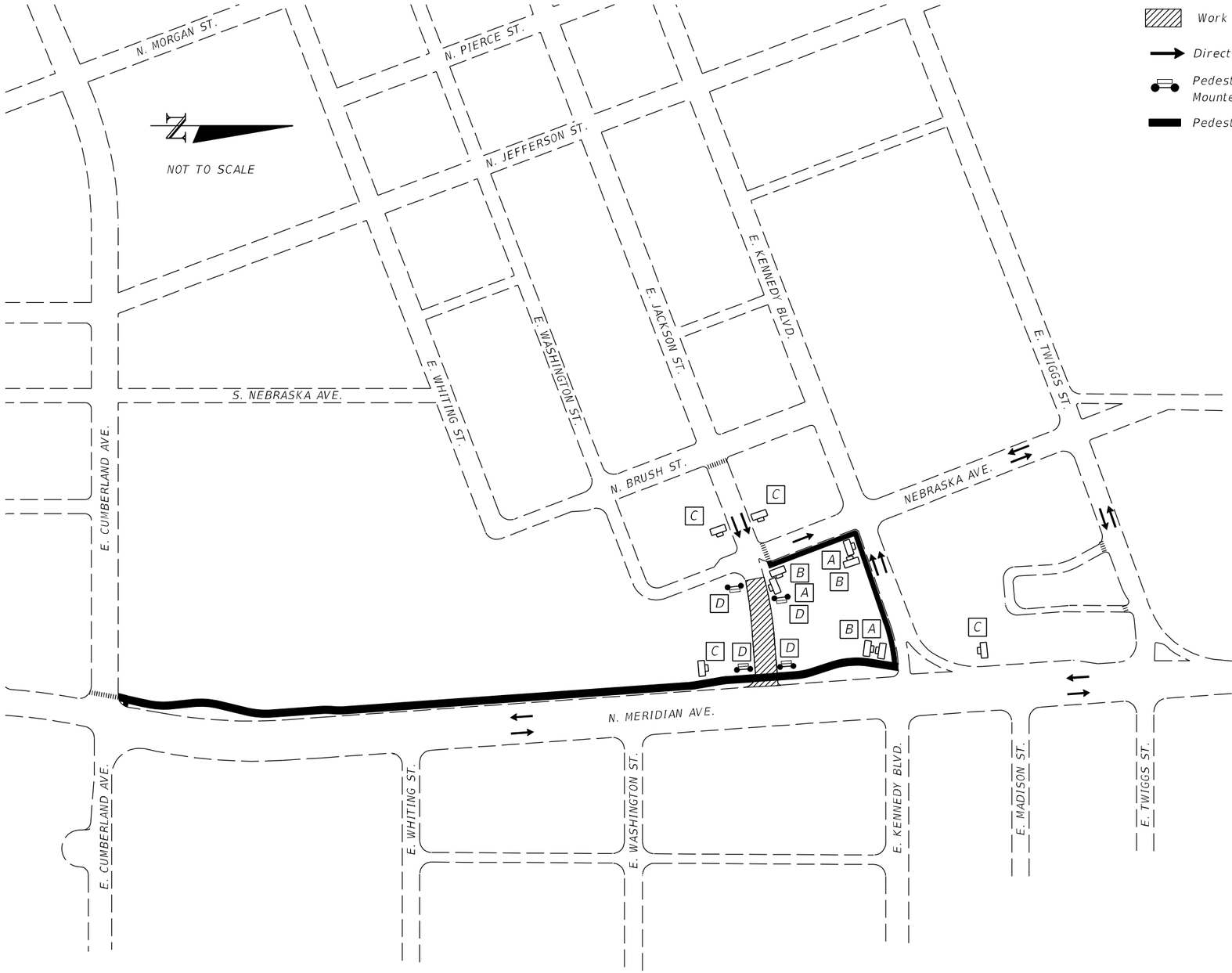
A



C

B

D



PEDESTRIAN DETOUR PLAN - E. JACKSON ST.

PHASE I

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

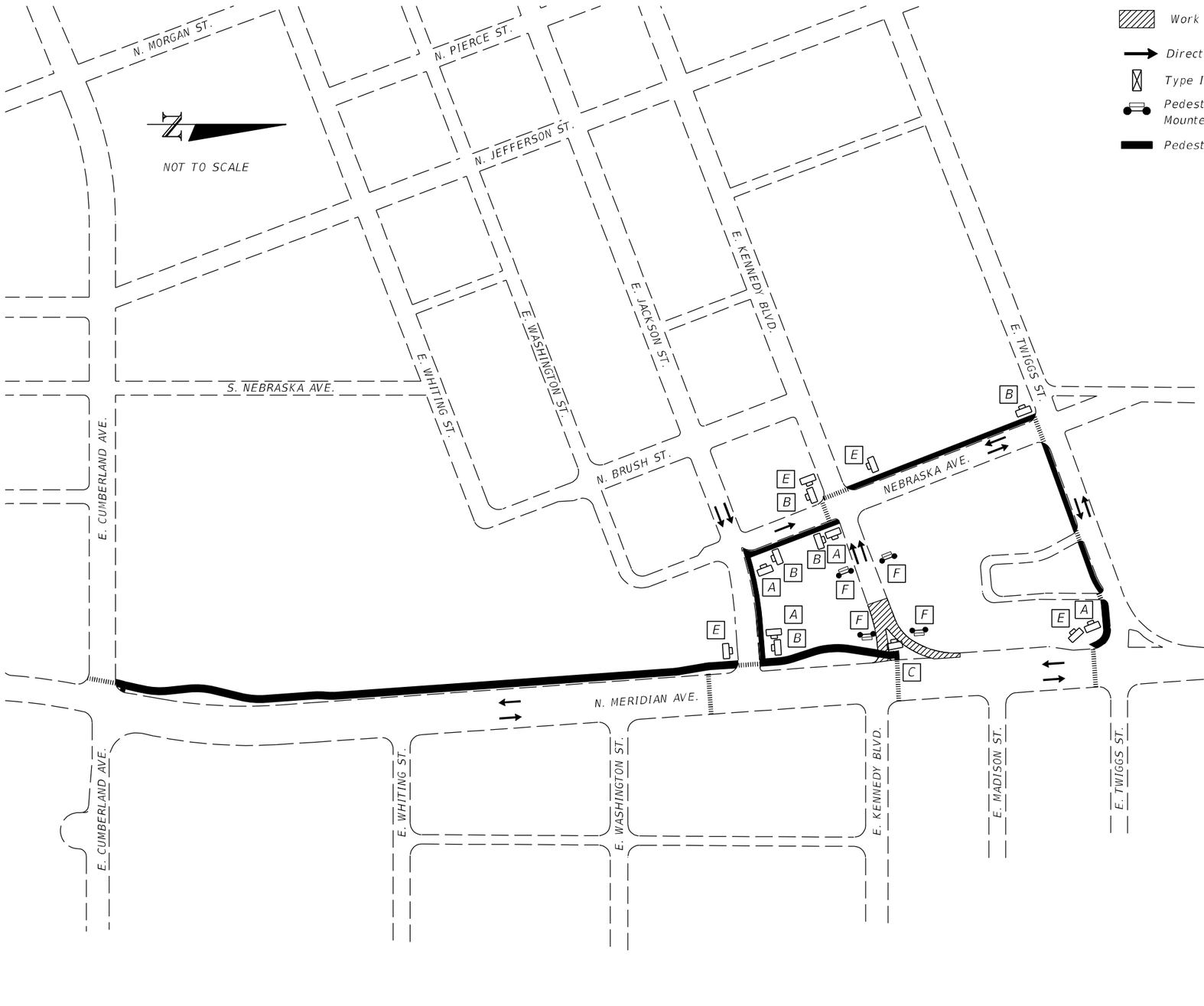
TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

TEMPORARY TRAFFIC CONTROL PLAN (5)

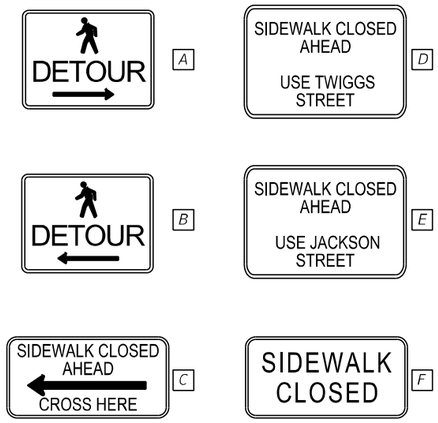
SHEET NO. 70

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



LEGEND

- Work Zone Sign
- Work Area
- Direction of Traffic
- Type III Barricade
- Pedestrian Longitudinal Channelizing Device (LCD) with Mounted Work Zone Sign or separate Work Zone Sign
- Pedestrian Detour Path



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

PEDESTRIAN DETOUR PLAN - E. KENNEDY BLVD.

PHASE II

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

TEMPORARY TRAFFIC CONTROL PLAN (6)

SHEET NO. 71

LEGEND

- Work Zone Sign
- Work Area
- Direction of Traffic
- Type III Barricade
- Pedestrian Longitudinal Channelizing Device (LCD) with Mounted Work Zone Sign or separate Work Zone Sign
- Pedestrian Detour Path

NOT TO SCALE

N. MORGAN ST.
N. PIERCE ST.
N. JEFFERSON ST.
S. NEBRASKA AVE.
E. CUMBERLAND AVE.
E. WHITTING ST.
E. WASHINGTON ST.
E. JACKSON ST.
E. KENNEDY BLVD.
E. TWIGGS ST.
N. BRUSH ST.
NEBRASKA AVE.
N. MERIDIAN AVE.
E. MADISON ST.
SELMON EXPRESSWAY

DETOUR A

DETOUR B

SIDEWALK CLOSED AHEAD
USE KENNEDY BOULEVARD C

SIDEWALK CLOSED D

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

PEDESTRIAN DETOUR PLAN - E. TWIGGS ST.

PHASE III

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

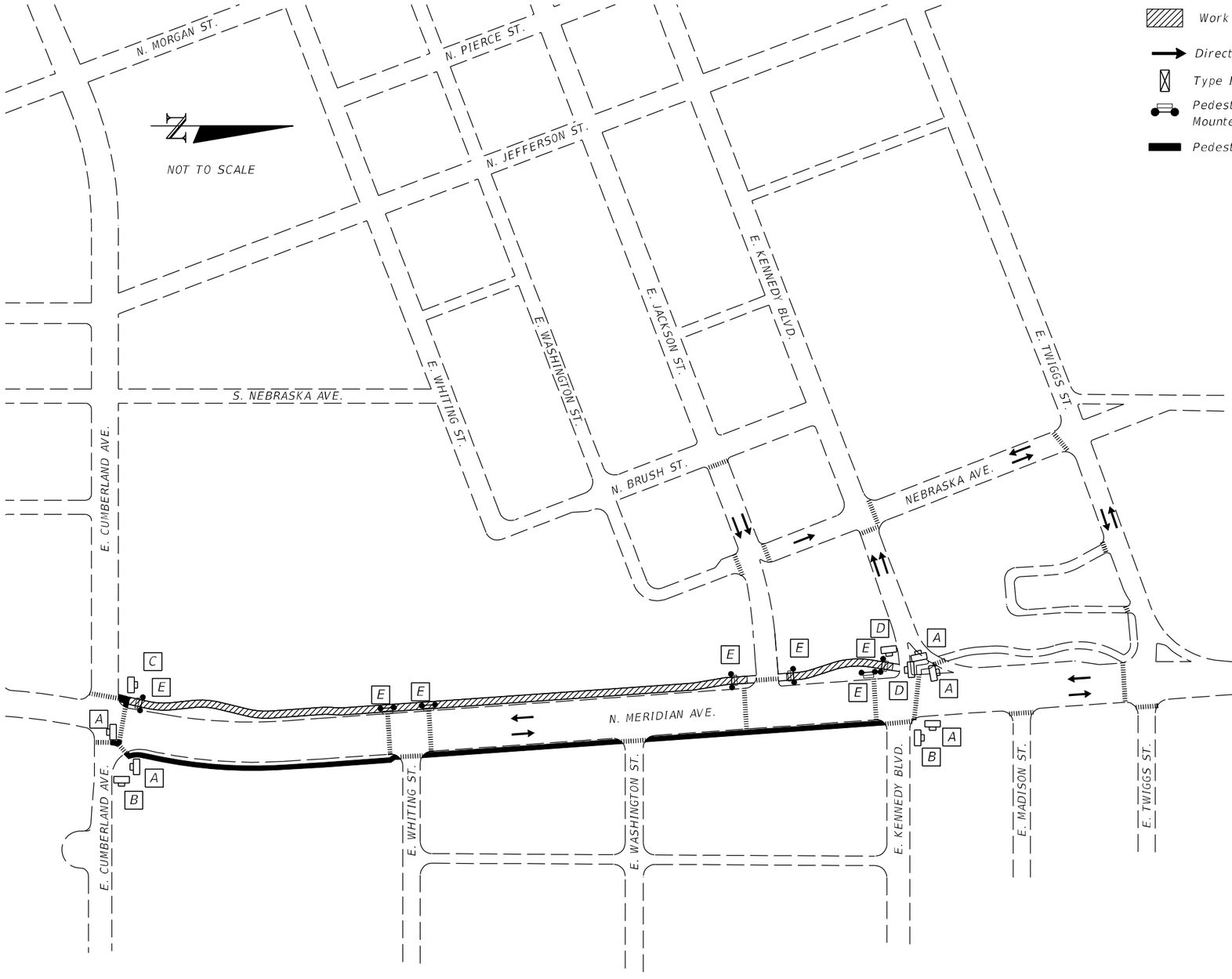
TEMPORARY TRAFFIC CONTROL PLAN (7)

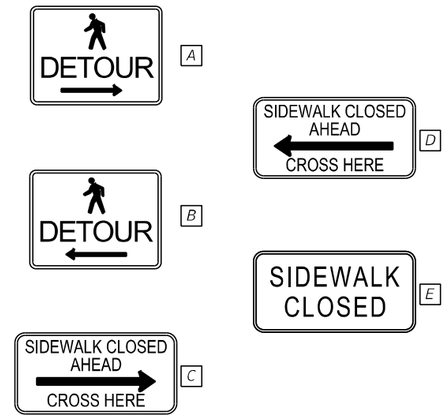
SHEET NO. 72

LEGEND

- Work Zone Sign
- Work Area
- Direction of Traffic
- Type III Barricade
- Pedestrian Longitudinal Channelizing Device (LCD) with Mounted Work Zone Sign or separate Work Zone Sign
- Pedestrian Detour Path

NOT TO SCALE





THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

PEDESTRIAN DETOUR PLAN - MERIDIAN GREENWAY TRAIL

PHASE III

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

TEMPORARY TRAFFIC CONTROL PLAN (8)

SHEET NO. 73

0 10 40
Feet

13.2 kV BE / TO REMAIN
TAMPA ELECTRIC DIST.

13.2 kV BE / TO REMAIN
TAMPA ELECTRIC DIST.

EXIST. R/W LINE

BE(B)
BFOC(B)
BFOT(B)
TH 1-1
S-100
CONST. 29' OF 18" PIPE
UNKNOWN / TO REMAIN
UNKNOWN
BFOC / TO REMAIN
UNKNOWN
BE / TO REMAIN
UNKNOWN
BE / TO REMAIN
UNKNOWN
2-1.25" HDPE BFOC / TO REMAIN
FIBERLIGHT
BFOT / TO REMAIN
UNKNOWN
205
206
207
208
209
210
PRC STA. 205+71.37
BEGIN PROJECT
STA. 205+25.98
℄ CONST. MERIDIAN
℄ CONST. MERIDIAN
EXIST. R/W LINE
N. MERIDIAN AVE.
PT STA. 210+18.86
N 4° 02' 36" W
MATCHLINE STA. 210+60 ℄ CONST. MERIDIAN

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

UTILITY ADJUSTMENT PLAN (1)

SHEET NO. 74

MATCHLINE UTILITY ADJUSTMENT (7)

MATCHLINE STA. 210+60 ℄ CONST. MERIDIAN

MATCHLINE STA. 216+20 ℄ CONST. MERIDIAN

EXIST. R/W LINE

11

10

N

0 10 40

Feet

UNKNOWN / TO REMIAN
UNKNOWN

UNKNOWN / TO REMAIN
UNKNOWN

S-101

CONST. 16' OF 18" PIPE

BFOT(B) BFOC(B) BE(B)

BE / TO REMAIN
UNKNOWN

BE / TO REMAIN
UNKNOWN

BFOT / TO REMAIN
UNKNOWN

2-1.25" HDPE BFOC / TO REMAIN
FIBERLIGHT

UNKNOWN / TO REMAIN
UNKNOWN

BE / TO REMAIN
UNKNOWN

℄ CONST. MERIDIAN

N. MERIDIAN AVE.

211 212 213 214 215 216

N 4° 02' 36" W

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

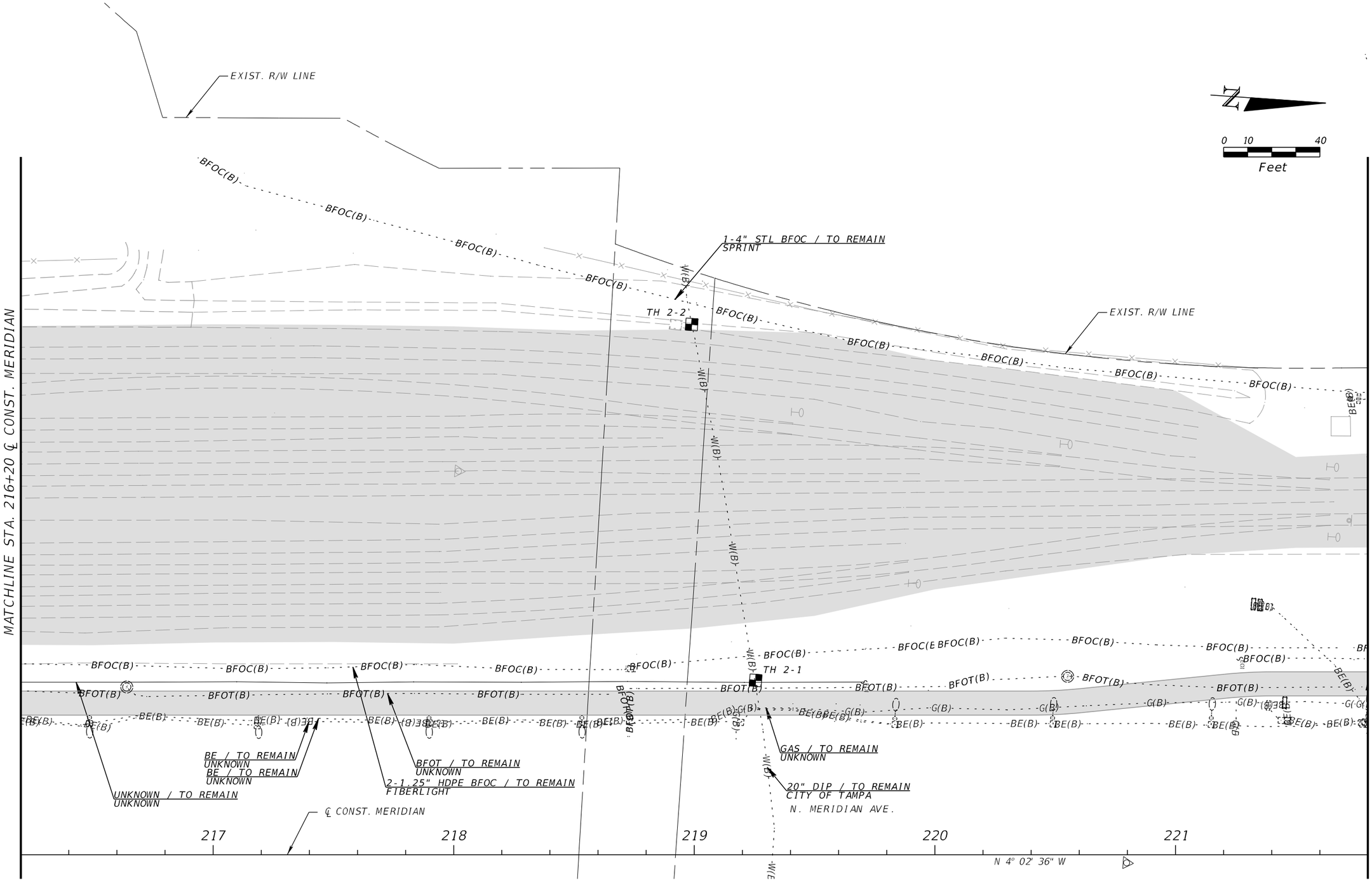
Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

UTILITY ADJUSTMENT PLAN (2)

SHEET NO. 75



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

UTILITY ADJUSTMENT PLAN (3)

SHEET NO. 76

MATCHLINE STA. 221+80 ℄ CONST. MERIDIAN

MATCHLINE STA. 227+40 ℄ CONST. MERIDIAN

E. JACKSON STREET

E. KENNEDY BOULEVARD

N. MERIDIAN AVE.

N 70° 55' 41" E

S 89° 21' 42" E

N 4° 02' 36" W

N 85° 23' 39" E

PC STA. 702+58.16

PC STA. 905+97.13

PT STA. 907+90.46

℄ CONST. JACKSON

℄ CONST. KENNEDY

℄ CONST. MERIDIAN

EXIST. R/W LINE

BFOC / TO REMAIN
UNKNOWN

2" PVC SL / TO REMAIN
CITY OF TAMPA

13.2 kV BE / TO REMAIN
TAMPA ELECTRIC DIST.

4" STL BFOE / TO REMAIN
CITY OF TAMPA

BE / TO REMAIN
UNKNOWN

1-4" STL BFOC / TO REMAIN
SPRINT

DBC BE / TO BE ADJUSTED
CITY OF TAMPA / OWNER

TH 3-1

TH 4-1

TH 5-2

TH 5-1

TH 6-1

TH 7-1

4" STL BFOE / TO BE ADJUSTED
CITY OF TAMPA / OWNER

2-2" DBC FOC / TO BE ADJUSTED
UNITI / OWNER

BE / TO REMAIN
UNKNOWN

BE / TO REMAIN
UNKNOWN

2-2" PVC BE / TO REMAIN
CITY OF TAMPA

BE / TO REMAIN
UNKNOWN

2-1.25" HDPE BFOC / TO REMAIN
FIBERLIGHT

BFOT / TO REMAIN
UNKNOWN

2-1.25" HDPE BFOC / TO REMAIN
FIBERLIGHT

BFOT / TO REMAIN
UNKNOWN

BE / TO REMAIN
UNKNOWN

BE / TO REMAIN
UNKNOWN

BE / TO REMAIN
UNKNOWN

GAS / TO REMAIN
UNKNOWN

GAS / TO REMAIN
UNKNOWN

BE / TO REMAIN
UNKNOWN

BE / TO REMAIN
UNKNOWN

2-1.25" HDPE BFOC / TO REMAIN
FIBERLIGHT

BFOC / TO REMAIN
UNKNOWN

BFOT / TO REMAIN
UNKNOWN

702 703 704 705 906 907 908

222 223 224 225 226 227

0 10 40
Feet

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

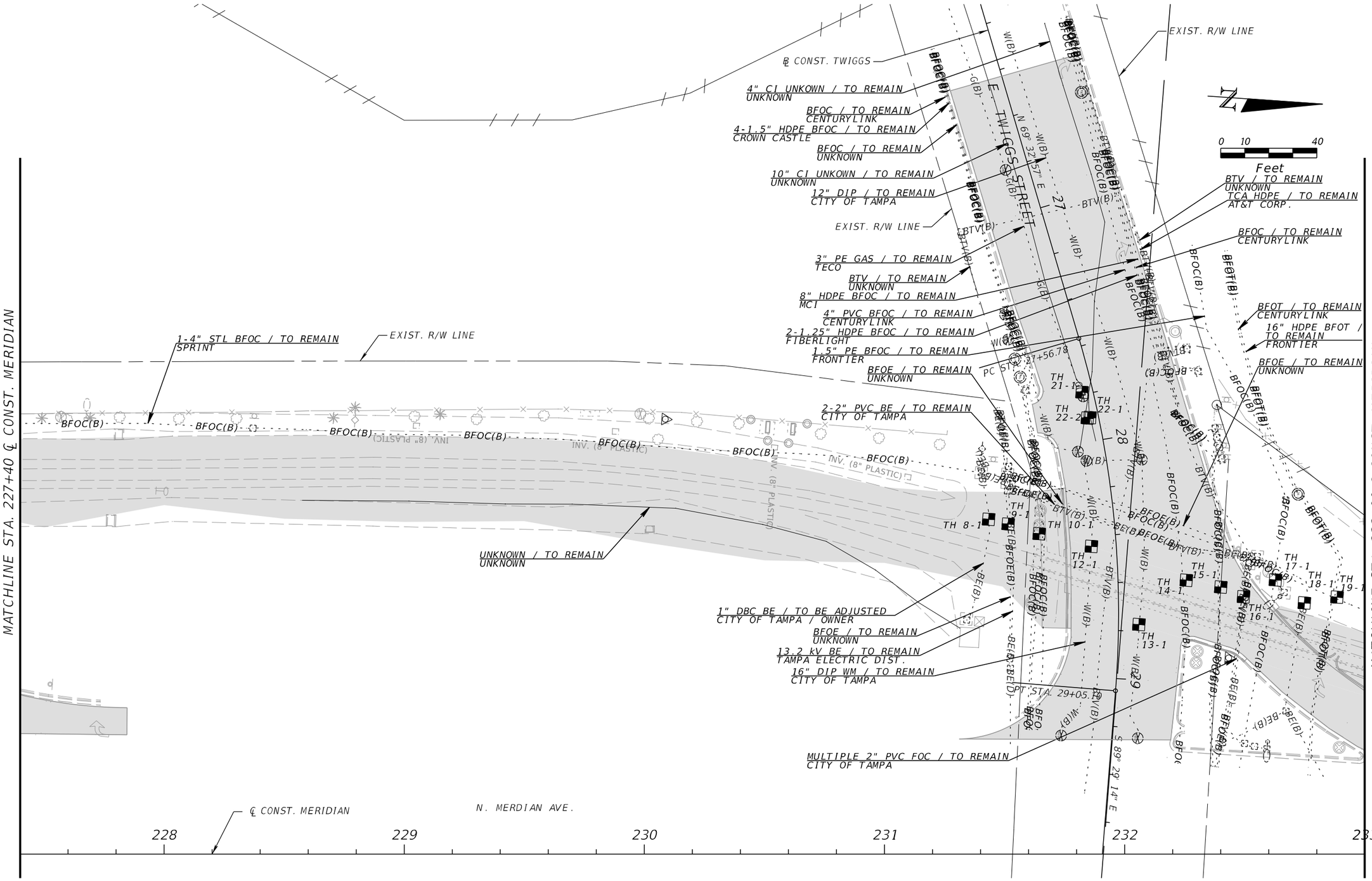
Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

UTILITY ADJUSTMENT PLAN (4)

SHEET NO. 77



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

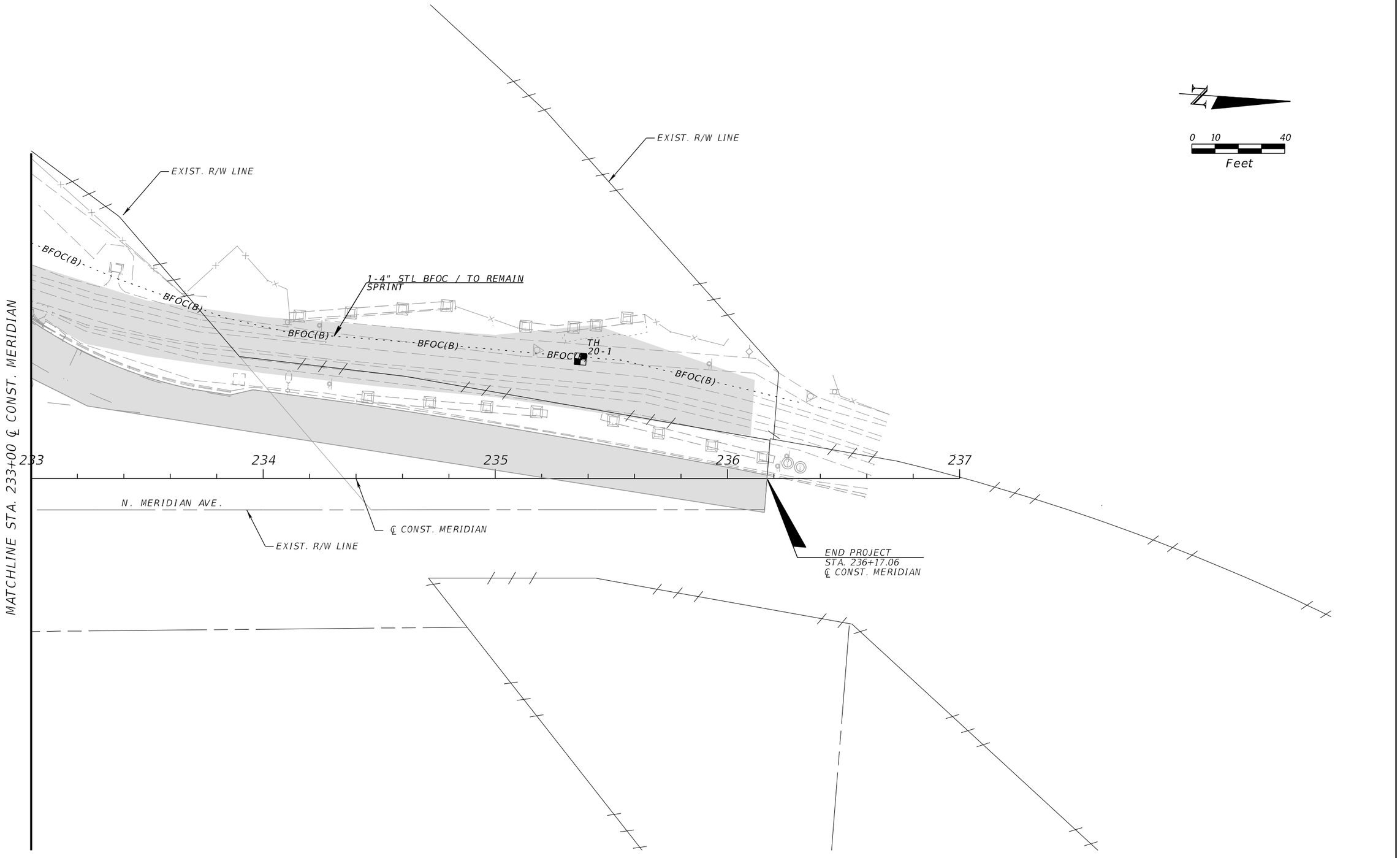
Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

UTILITY ADJUSTMENT PLAN (5)

SHEET NO. 78



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

UTILITY ADJUSTMENT PLAN (6)

SHEET NO. 79

MATCHLINE UTILITY ADJUSTMENT (2)

12

13

14

15

16

EXIST. R/W LINE

PCC STA. 14+73.93

PT STA. 16+51.38

UNKNOWN / TO REMAIN
UNKNOWN

EXIST. R/W LINE

N

0 10 40
Feet

EXISTING L.H. PER R/W MAP SEC 10007-2...

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

UTILITY ADJUSTMENT PLAN (7)

SHEET NO. 80

SUMMARY OF VERIFIED UTILITIES

Vvh #	UTILITY DESCRIPTION (Owner, type)	SIZE	MATERIALS	℄ and/or ℄			EXISTING GROUND ELEVATION	TOP ELEVATION	DEPTH OF COVER (FT.)	COMMENTS
				STATION	OFFSET (FT.)	LT/RT				
1-1	Buried Electric	4"	PVC	206+02.11	80.02	LT	7.75	4.81	2.94	
2-1	Water Main	28"	STL	218+98.88	220.39	LT	10.51	7.51	3.00	
2-2	Water Main	28"	STL	219+25.48	72.47	LT	12.22	7.92	4.30	
3-1	Street Lighting	2"	PVC	222+03.86	162.91	LT	16.31	11.91	4.40	
4-1	Fiber Optic Cable / Buried Electric	4"	STL	222+96.84	150.77	LT	15.59	15.05	0.54	
5-1	Buried Electric	2-0.5"	DBC	225+19.48	167.66	LT	15.77	13.57	2.20	
5-2	Buried Electric	1"	DBC	222+98.01	170.02	LT	14.37	12.27	2.10	
6-1	Fiber Optic Cable	2-2"	DBC	225+41.06	148.60	LT	15.69	12.85	2.84	
7-1	Buried Electric	2-2"	PVC	226+37.73	144.39	LT	16.67	11.25	5.42	
8-1	Buried Electric	1"	DBC	231+43.39	139.45	LT	17.74	16.02	1.72	
9-1	Buried Electric	4-25"	PVC	231+51.51	137.45	LT	17.72	13.10	4.62	
10-1	Buried Electric	2-6"	PVC	231+64.45	133.43	LT	18.03	11.35	6.68	
12-1	Water Main	16"	DIP	231+86.17	128.16	LT	18.47	13.09	5.38	
13-1	Water Main	Unknown	DIP	232+05.95	95.61	LT	17.95	12.35	5.60	
14-1	Fiber Optic Cable	4"	PVC	232+25.66	114.07	LT	18.03	12.69	5.34	
15-1	Fiber Optic Cable	8"	HDPE	232+40.09	111.19	LT	17.99	13.39	4.60	
16-1	Fiber Optic Cable / Buried Electric	Multiple 2"	PVC	232+49.51	107.15	LT	17.87	13.93	3.94	
17-1	Fiber Optic Cable	1.5"	PE	232+62.83	114.18	LT	18.40	7.34	11.06	
18-1	Buried Electric	2-2"	PVC	232+74.86	104.58	LT	17.44	13.02	4.42	
19-1	Fiber Optic Cable / Buried Telephone	16"	HDPE	232+88.46	106.98	LT	17.45	10.41	7.04	
20-1	Fiber Optic Cable	4"	STL	235+36.64	51.49	LT	17.34	13.70	3.64	
21-1	Gas Main	3"	PE	231+82.28	192.39	LT	18.45	15.23	3.22	
22-1	Unknown	4"	CI	231+85.54	181.85	LT	18.49	15.23	3.26	
22-2	Unknown	10"	CI	231+84.52	181.58	LT	18.45	15.95	2.50	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, P.E.
P.E. No.: 78438

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	THEA PROJECT ID
N/A	HILLSBOROUGH	O-1022

UTILITY ADJUSTMENT PLAN (8)

SHEET NO. 81

ENVIRONMENTAL CONTAMINATION ASSESSMENT

Tampa Hillsborough Expressway Authority (THEA)
CSX Ardent Mills Track Removal Design Services Project
Tampa, Hillsborough County, Florida

KCA Project No.: 1201947.03
THEA Contract Number: O-00619-KCA
THEA-KCA PO No. 20220149
APTIM Task Authorization No. ONE

March 10, 2022

Submitted to:

Mr. Branan Anderson, PE
Senior Project Engineer/ Project Manager
Kisinger Campo & Associates (KCA)
201 N. Franklin Street, Suite 400
Tampa, Florida 33602

ENVIRONMENTAL CONTAMINATION ASSESSMENT

Tampa Hillsborough Expressway Authority (THEA)
CSX Ardent Mills Track Removal Design Services Project
Tampa, Hillsborough County, Florida

KCA Project No.: 1201947.03
THEA Contract Number: O-00619-KCA
THEA-KCA PO No. 20220149
APTIM Task Authorization No. ONE
APTIM Project Number: 631024069

March 10, 2022

Submitted to:

Mr. Branan Anderson, PE
Senior Project Engineer/ Project Manager
Kisinger Campo & Associates (KCA)
201 N. Franklin Street, Suite 400
Tampa, Florida 33602

Submitted by:

Aptim Environmental & Infrastructure, LLC
725 U.S. Highway 301 South
Tampa, Florida 33619

Prepared by: _____ Date: 03/10/22
Jessica Jordan
Project Scientist

Approved by: _____ Date: 03/10/22
Kristin M. Dobbins, P.E.
Contract Manager

Table of Contents

List of Tables ii
List of Figures ii
List of Appendices ii
List of Acronyms and Abbreviations iii

1.0 Introduction 1-1
1.1 Scope of Services 1-1
2.0 Investigation Methodology 2-1
3.0 Investigation Results 3-1
3.1 Soil Borings and Soil Sampling 3-1
3.2 Ballast Rock Sampling 3-3
4.0 Summary of Findings & Recommendations 4-1
5.0 Disclaimer 5-1

List of Tables

Table 1	Soil Analytical Summary (Detected Constituents)
Table 2	Soil Boring and OVA-PID Log

List of Figures

Figure 1	Project Location Map
Figure 2	Soil Sample and Ballast Rock Sample Location Map

List of Appendices

Appendix A	Scope of Services
Appendix B	Soil Laboratory Analytical Reports, Chain-of-Custody Records, Benzo(a)pyrene Conversion Tables, and OVA Calibration Logs
Appendix C	Field Notes

List of Acronyms and Abbreviations

AEL	Advanced Environmental Laboratories, Inc.
APTIM	Aptim Environmental & Infrastructure, LLC
EPA	Environmental Protection Agency
F.A.C.	Florida Administrative Code
FDEP	Florida Department of Environmental Protection
FL-PRO	Florida Petroleum Residual Organics
ft bls	feet below land surface
in	inch
KCA	Kisinger Camp & Associates
mg/kg	Milligram per kilogram
OC	Organochlorine
OVA	organic vapor analyzer
PCB	polychlorinated biphenyls
PD&E	Project Development and Environmental
PID	photo-ionization detector
RCRA	Resource Conservation and Recovery Act
ROW	right-of-way
SCTL	Soil Cleanup Target Level
SVOC	semi-volatile organic compounds
THEA	Tampa Hillsborough Expressway Authority
TRPH	total recoverable petroleum hydrocarbons
UOG	Used Oil Group
VOC	volatile organic compounds

1.0 Introduction

Aptim Environmental & Infrastructure, LLC (APTIM) was retained by Kisinger Campo & Associates (KCA) to conduct an assessment of potential contamination in support of KCA's proposal for the Tampa Hillsborough Expressway Authority (THEA) CSX Ardent Mills Track Removal Design Services project in Hillsborough County, Florida. The KCA Project Identification number is 1201947.03, the THEA Contract Number is O-00619-KCA, the THEA-KCA Purchase Order Number is 20220149, and the APTIM Task Authorization Number is ONE.

THEA requires Professional Services to prepare construction plans for the removal of all existing CSX Railroad primary, side, and/or spur tracks within THEA right-of-way (ROW) that services the Ardent Mills facility in downtown Tampa. The project limits are from north of East Cumberland Avenue to north of Twiggs Street along Meridian Avenue in downtown Tampa. KCA, as the primary bidding Consultant for THEA on the aforementioned project, requested APTIM conduct all necessary environmental investigations and analysis to identify and depict in the plans all hazardous material locations within the project limits.

KCA provided APTIM with the *THEA Concept Plan Sheet, dated November 16, 2021*. Based on a review of the concept plan and general scope of services provided by KCA, a desktop review of regulated sites in the project area, and projects of similar nature, APTIM recommended collecting soil samples at approximately 100-foot spacing to depths up to 2 feet below land surface (ft bls) along all existing CSX Railroad primary, side and/or spur tracks for field screening and laboratory analysis of potential contaminants of concern. The approximate project corridor area is illustrated on **Figure 1**.

This report documents the investigation, which examined the railroad tracks to be removed, to determine if contaminant impacts to soil exists. Where it exists, contaminant impact to construction is described and recommendations for additional assessment or remedial action are provided.

1.1 Scope of Services

As discussed with KCA and in accordance with Florida Statute Section 337.27, paragraph (4) and the Project Development and Engineering (PD&E) Manual, Part 2, Chapter 20, and as provided in the Scope of Services for APTIM Task Authorization No. ONE (KCA Project No. 1201947.03) document dated December 13, 2021 (**Appendix A**), APTIM conducted a contamination assessment at all existing CSX Railroad primary, side, and/or spur tracks within THEA ROW that services the Ardent Mills facility in downtown Tampa.

To assist KCA with planning for the project, APTIM performed an environmental contamination investigation including, but not limited to, the following tasks:

- Prepare a site-specific health and safety plan to ensure a safe working environment. Provide 40-hr Occupational Safety and Health Administration trained personnel for performance of all field activities.
- Request utility mark-outs (i.e., setbacks, stations, and vertical and horizontal elevations) from the prime contractor or arrange with a utility locator service to identify and adequately mark all underground utilities in the areas where subsurface investigation will occur, when necessary.
- Using hand augers, advance up to forty (40) borings up to 2 feet deep for soil screening and sample collection at approximately 100-foot spacing along the railroad tracks to be removed. If railroad ballas material lies within the boring area, the boring depth will begin at the depth at which the soil is reached. The locations of these borings may be adjusted during the field work by the project scientist/geologist as needed based on site conditions and/or observed visual signs of potential contamination.
- Properly decontaminate tools and equipment before use and between sampling locations in accordance with the Florida Department of Environmental Protection (FDEP)-SOP-01/001.
- Screen the soil at each boring location at 12-inch (in) depth intervals up to 2 ft deep with an organic vapor analyzer/photovac flame-ionization (OVA/PID) detector in accordance with Rule 62-770.200(12), Florida Administrative Code (F.A.C.). Record the net resultant vapor measurement as the hydrocarbon vapor concentration.
- Collect up to forty (40) grab soil samples for laboratory analyses at each boring location at 0 to 6-in depth interval. Submit the soil samples to an accredited laboratory for Table D Used Oil Group (UOG) analyses as listed in Rule 62-780.900, F.A.C. including Total Recoverable Petroleum Hydrocarbons (TRPH) by FDEP Method Florida Petroleum Residual Organics (FL-PRO), Priority Pollutant (PP) Semi-Volatile Organic Compounds (SVOC) by Environmental Protection Agency (EPA) Method 8270/8310, PP Volatile Organic Compounds (VOC) by EPA 8260; 4 Resource Conservation and Recovery Act (RCRA) Metals (arsenic, cadmium, chromium, lead) by EPA Methods 6010/6020; polychlorinated biphenyls (PCB) by EPA 8082; and Organochlorine (OC) Pesticides by EPA Method 8081B.
- The field sampling work is estimated to be performed in up to four (4) days with two personnel. Scope duration assumes existing ballast may require additional efforts to advance the borings by hand auger.
- As requested by KCA, review construction plans and previous contamination assessments for the referenced project. Provide recommendations for additional evaluations, investigations, or remediation activities to be completed prior to or during construction, should they be necessary.
- Submit an Environmental Contamination Assessment Report to KCA. The report will be technically concise and will include data collected, analyses, graphics, tables, and appendices to completely illustrate the assessment effort. Recommendations for additional evaluations, investigations, and/or disposal and remediation activities as a result of this Contamination Assessment to be completed prior to or during construction will also be

provided. One draft report and upon approval, one (1) final electronic copy of the report will be submitted to KCA.

2.0 Investigation Methodology

Based on a review of concept plans and general scope of services provided by KCA, a desktop review of regulated sites in the project area, and projects of similar nature, APTIM recommended collecting soil samples at approximately 100-foot spacing along all existing CSX Railroad primary, side, and/or spur tracks for field screening and laboratory analysis of potential contaminants of concern.

Soil sample collection tasks were conducted along the CSX primary, side, and/or spur tracks using a hand auger. Soil samples were collected at approximately 0.5, 1, and 2 ft bls. Samples were placed into 16-ounce glass jars and allowed to equilibrate for at least 5 minutes. Headspace analysis was then performed with an OVA/PID in accordance with the procedures of Rule 62-770.200(19), F.A.C. An onsite geologist logged soil descriptions and organic vapor concentrations.

Soil samples were collected from each boring at 0.5 ft bls and submitted to Advanced Environmental Laboratories, Inc. (AEL) in Tampa, Florida, for laboratory analysis. A total of 40 soil samples were analyzed for UOG parameters, including VOCs by EPA Method 8260B, SVOCs by EPA Method 8270C SIM and 8270C, OC pesticides by EPA Method 8081, PCBs by EPA Method 8082A, TRPH by FDEP Method FL-PRO, and 4 RCRA Metals (arsenic, cadmium, chromium, and lead) by EPA Method 6010.

Additionally, 10 samples of the ballast rock were collected from the surface along the center of the CSX Railroad tracks between East Cumberland Avenue and East Twiggs Street. The ballast rock samples were submitted to AEL and analyzed for arsenic by EPA Method 6010.

The soil analytical results for detected constituents are summarized in **Table 1**. Copies of the soil laboratory analytical reports, chain of custody records, benzo(a)pyrene conversion tables, and OVA calibration logs are provided in **Appendix B**.

3.0 Investigation Results

APTIM conducted the environmental contamination assessment from February 1 through 4, 2022, as required along all existing CSX Railroad primary, side, and/or spur tracks within THEA ROW that services the Ardent Mills facility in downtown Tampa. Additionally, APTIM collected 10 samples of the ballast rock for laboratory analyses as requested by the KCA project manager.

3.1 Soil Borings and Soil Sampling

To delineate possible impacts in the anticipated area of work, APTIM installed 40 soil borings (SB-1 through SB-40) along the north and south sides of the CSX Railroad tracks, and along the eastern side of the northern spur. Soil samples were collected at approximately 0.5 ft bls, 1 ft bls, and 2 ft bls and field-screened as previously described. Groundwater was not encountered in any of the borings. The soil borings and sample locations are shown on **Figure 2**.

OVA-PID screening did not detect net hydrocarbon vapor concentrations above 0 parts per million. No petroleum or organic odors were detected in any of the borings. Soil descriptions and OVA-PID data are provided in **Table 2**.

Grab soil samples were collected from each boring at 0-6 in below land surface. The samples were submitted to AEL and analyzed for UOG parameters as previously described. The analytical results indicated the following:

- In sample **SB-2@0-6"**, arsenic was detected at 5.8 milligrams per kilogram (mg/kg), exceeding the 2.1 mg/kg Direct Exposure Residential Soil Cleanup Target Level (SCTL) per Chapter 62-770, F.A.C.; benzo(a)pyrene was detected at 0.63 mg/kg, exceeding the 0.149 mg/kg Direct Exposure Residential SCTL; and the benzo(a)pyrene equivalent was detected at 1.03 mg/kg, exceeding the 0.749 mg/kg Direct Exposure Industrial SCTL.
- In sample **SB-3@0-6"**, arsenic was detected at 3.0 mg/kg, exceeding the 2.1 mg/kg Direct Exposure Residential SCTL.
- In sample **SB-4@0-6"**, arsenic was detected at 3.1 mg/kg, exceeding the 2.1 mg/kg Direct Exposure Residential SCTL; benzo(a)pyrene was detected at 0.36 mg/kg and the benzo(a)pyrene equivalent was detected at 0.57 mg/kg, exceeding the 0.149 mg/kg Direct Exposure Residential SCTL.
- In sample **SB-5@0-6"**, arsenic was detected at 4.3 mg/kg, exceeding the 2.1 mg/kg Direct Exposure Residential SCTL; and chromium was detected at 45 mg/kg, exceeding the 38 mg/kg SCTL for Leachability Based on Groundwater Criteria.
- In sample **SB-10@0-6"**, arsenic was detected at 3.2 mg/kg, exceeding the 2.1 mg/kg Direct Exposure Residential SCTL; benzo(a)pyrene was detected at 0.59 mg/kg, exceeding the 0.149 mg/kg Direct Exposure Residential SCTL; and the benzo(a)pyrene equivalent was detected at 0.97 mg/kg, exceeding the 0.749 mg/kg Direct Exposure Industrial SCTL.

- In sample **SB-11@0-6”**, beta-BHC was detected at 0.0029 mg/kg, exceeding the 0.001 mg/kg SCTL for Leachability Based on Groundwater Criteria.
- In sample **SB-12@0-6”**, benzo(a)pyrene was detected at 0.56 mg/kg, exceeding the 0.149 mg/kg Direct Exposure Residential SCTL; and the benzo(a)pyrene equivalent was detected at 0.87 mg/kg, exceeding the 0.749 mg/kg Direct Exposure Industrial SCTL.
- In sample **SB-13@0-6”**, arsenic was detected at 2.2 mg/kg, exceeding the 2.1 mg/kg Direct Exposure Residential SCTL; benzo(a)pyrene was detected at 0.59 mg/kg, exceeding the 0.149 mg/kg Direct Exposure Residential SCTL; and the benzo(a)pyrene equivalent was detected at 0.92 mg/kg, exceeding the 0.749 mg/kg Direct Exposure Industrial SCTL.
- In sample **SB-15@0-6”**, arsenic was detected at 7.1 mg/kg, exceeding the 2.1 mg/kg Direct Exposure Residential SCTL; and lead was detected at 440 mg/kg, exceeding the 400 mg/kg Direct Exposure Residential SCTL.
- In sample **SB-24@0-6”**, the benzo(a)pyrene conversion was detected at 0.17 mg/kg, exceeding the 0.149 mg/kg Direct Exposure Residential SCTL.
- In sample **SB-26@0-6”**, benzo(a)pyrene was detected at 0.260 mg/kg and the benzo(a)pyrene equivalent was detected at 0.41 mg/kg, exceeding the 0.149 mg/kg Direct Exposure Residential SCTL.
- In sample **SB-29@0-6”**, arsenic was detected at 2.8 mg/kg, exceeding the 2.1 mg/kg Direct Exposure Residential SCTL; and benzo(a)pyrene was detected at 0.22 mg/kg and the benzo(a)pyrene equivalent was detected at 0.35 mg/kg, exceeding the 0.149 mg/kg Direct Exposure Residential SCTL.
- In sample **SB-30@0-6”**, benzo(a)pyrene was detected at 0.66 mg/kg, exceeding the 0.149 mg/kg Direct Exposure Residential SCTL; and the benzo(a)pyrene equivalent was detected at 1.06 mg/kg, exceeding the 0.749 mg/kg Direct Exposure Industrial SCTL.
- In sample **SB-31@0-6”**, arsenic was detected at 2.4 mg/kg, exceeding the 2.1 mg/kg Direct Exposure Residential SCTL; benzo(a)pyrene was detected at 1.1 mg/kg and the benzo(a)pyrene equivalent was detected at 1.81 mg/kg, exceeding the 0.749 mg/kg Direct Exposure Industrial SCTL; and benzo(a)anthracene was detected at 0.89 mg/kg, exceeding the 0.89 mg/kg SCTL for Leachability Based on Groundwater Criteria.
- In sample **SB-32@0-6”**, the benzo(a)pyrene equivalent was detected at 0.16 mg/kg, exceeding the 0.149 mg/kg Direct Exposure Residential SCTL.
- In sample **SB-33@0-6”**, the benzo(a)pyrene equivalent was detected at 0.19 mg/kg, exceeding the 0.149 mg/kg Direct Exposure Residential SCTL.
- In sample **SB-34@0-6”**, benzo(a)pyrene was detected at 0.26 mg/kg and the benzo(a)pyrene equivalent was detected at 0.40 mg/kg, exceeding the 0.149 mg/kg Direct Exposure Residential SCTL.
- In sample **SB-35@0-6”**, benzo(a)pyrene was detected at 0.28 mg/kg and the benzo(a)pyrene equivalent was detected at 0.43 mg/kg, exceeding the 0.149 mg/kg Direct Exposure.

- In sample **SB-36@0-6”**, benzo(a)pyrene was detected at 0.69 mg/kg, exceeding the 0.149 mg/kg Direct Exposure Residential SCTL; and the benzo(a)pyrene equivalent was detected at 1.11 mg/kg, exceeding the Direct Exposure Industrial SCTL.
- In sample **SB-37@0-6”**, arsenic was detected at 7.9 mg/kg, exceeding the 2.1 mg/kg Direct Exposure Residential SCTL; and the benzo(a)pyrene equivalent was detected at 0.28 mg/kg, exceeding the 0.149 mg/kg Direct Exposure Residential SCTL.
- In sample **SB-38@0-6”**, benzo(a)pyrene was detected at 0.33 mg/kg and the benzo(a)pyrene equivalent was detected at 0.52 mg/kg, exceeding the 0.149 mg/kg Direct Exposure Residential SCTL.
- In sample **SB-39@0-6”**, benzo(a)pyrene was detected at 0.48 mg/kg, exceeding the 0.149 mg/kg Direct Exposure Residential SCTL; and the benzo(a)pyrene equivalent was detected at 0.78 mg/kg, exceeding the 0.749 mg/kg Direct Exposure Industrial SCTL.
- In sample **SB-40@0-6”**, arsenic was detected at 3.0 mg/kg, exceeding the 2.1 mg/kg Direct Exposure Residential SCTL; beta-BHC was detected at 0.0062 mg/kg, exceeding the 0.001 mg/kg SCTL for Leachability Based on Groundwater Criteria; benzo(a)pyrene was detected at 0.47 mg/kg, and the benzo(a)pyrene equivalent was detected at 0.74 mg/kg exceeding the 0.149 mg/kg Direct Exposure Residential SCTL.

The analytical results for samples **SB-1@0.5**, **SB-6@0-6”**, **SB-7@0-6”**, **SB-8@0-6”**, **SB-9@0-6”**, **SB-14@0-6”**, **SB-16@0-6”**, **SB-17@0-6”**, **SB-18@0-6”**, **SB-19@0-6”**, **SB-20@0-6”**, **SB-21@0-6”**, **SB-22@0-6”**, **SB-23@0-6”**, **SB-25@0-6”**, **SB-27@0-6”**, and **SB-28@0-6”** indicated that no constituents exceeded the SCTLs. Results for detected constituents in the soil are summarized in **Table 1**. Copies of the laboratory analytical reports, chain-of-custody records, and OVA calibration logs are provided in **Appendix B**. A copy of the field notes is provided in **Appendix C**.

3.2 Ballast Rock Sampling

APTIM collected 10 samples of the ballast rock (RS-1 through RS-10) for analysis of arsenic on the surface of the rock to assess possible impacts regarding the disposition or reuse of the rock following removal from the site. The samples were collected at approximately 200 to 300 feet-spacing along the center of the CSX Railroad tracks between East Cumberland Avenue and East Twiggs Street. The sample locations are shown on **Figure 2**.

The samples were collected from the ground surface and were submitted to AEL and analyzed for arsenic by EPA Method 6010. The analytical results indicated the following:

- In sample **RS-4**, arsenic was detected at 3.2 mg/kg, exceeding the 2.1 mg/kg Direct Exposure Residential SCTL.
- In sample **RS-5**, arsenic was detected at 3.6 mg/kg, exceeding the 2.1 mg/kg Direct Exposure Residential SCTL.

- In sample **RS-6**, arsenic was detected at 5.8 mg/kg, exceeding the 2.1 mg/kg Direct Exposure Residential SCTL.
- In sample **RS-7**, arsenic was detected at 4.2 mg/kg, exceeding the 2.1 mg/kg Direct Exposure Residential SCTL.

The analytical results for samples **RS-1**, **RS-2**, **RS-3**, **RS-8**, **RS-9**, and **RS-10** indicated that no constituents exceeded the SCTLs. Results for detected constituents in the soil are summarized in **Table 1**. Copies of the laboratory analytical report and chain-of-custody record are provided in **Appendix B**.

4.0 Summary of Findings & Recommendations

APTIM performed a contamination investigation of the soil along the existing CSX Railroad primary, side, and/or spur tracks within THEA ROW that services the Ardent Mills facility in downtown Tampa as part of the track removal design services project. Additionally, APTIM collected samples of the ballast rock for laboratory analyses as requested by the KCA project manager. The investigation was conducted in accordance with Florida Statute Section 337.27, paragraph (4) and the PD&E Manual, Part 2, Chapter 20.

Based upon the laboratory analytical results, 23 of 40 soil samples exceed one or more SCTLs per Chapter 62-777, Table II, F.A.C. For areas that exceeded the SCTLs, APTIM recommends the following measures:

- Separate the contaminated soil from the ballast rock during removal and grading work.
- The ballast rock removed from the site may be used in roadway, rail, commercial or industrial applications as appropriate. APTIM recommends the reuse of the ballast rock instead of disposal if possible as a cost saving measure.
- For soil excavated or graded for removal from the site, properly manifest and dispose of the contaminated soil in a landfill with an approved waste profile during grading of the site up to 2 ft bls.
- Areas of contaminated soil excavated below 2 ft bls may either be disposed in a landfill with the surface (0-2 ft bls) soils, or delineate the depths of contamination by collecting additional soil samples below 2 ft bls to the final depth of excavation to confirm the presence of contaminant exceeding the SCTLs to reduce the amount of soil requiring disposal as a cost saving measure.

APTIM recommends review of subsequent construction plans for changes to assumed construction design parameters and/or drainage and utility adjustments as these changes may result in contaminant impact to construction not otherwise noted in this report. Additional assessment and/or remedial action may be required.

5.0 Disclaimer

The services described in this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, expressed or implied, is made. These services were performed consistent with our agreement with our client. This report is solely for the use and information of our client, unless otherwise noted. Any reliance on this report by a third party is at such party's sole risk.

Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, timeframes, and project parameters indicated. APTIM is not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. APTIM does not warrant the accuracy of information supplied by others, nor the use of segregated portions of this report.

Tables

TABLE 1: SOIL ANALYTICAL SUMMARY (DETECTED CONSTITUENTS)

Environmental Contamination Assessment
Tampa Hillsborough Expressway Authority (THEA)
CSX Ardent Mills Track Removal Design Services Project
Tampa, Hillsborough County, Florida
KCA Project No. 1201947.03 / THEA Contract No. O-00619-KCA / THEA-KCA PO No. 20220149
APTIM Project No. 631024069

Sample				4 RCRA Metals by SW 6010C (mg/kg)				TRPH by FL-PRO (mg/kg)	Organochlorine Pesticides & Herbicides by EPA 8081B (mg/kg)												VOCs by EPA 8260B (mg/kg)	SVOCs by EPA 8270C (mg/kg)													Benzo(a)pyrene Equivalent* by EPA 8270C/8270D (mg/kg)							
Sample ID	Date	Depth (ft bls)	Analysis	Arsenic	Cadmium	Chromium	Lead		beta-BHC	gamma-BHC (Lindane)	delta-BHC	Dieldrin	Endosulfan Sulfate	Endosulfan (alpha+beta+sulfate)	Endrin	Endrin Aldehyde	Methoxychlor	4,4-DDD	4,4-DDE	4,4-DDT	Naphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(g,h,i)perylene	bis(2-ethylhexyl) Phthalate	Fluoranthene	Fluorene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene Equivalent*	Benzo(a)pyrene	Benzo(a)anthracene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Indeno(1,2,3-cd)pyrene
Toxic Equivalency Factor				NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1	0.1	0.1	0.01	0.001	1	0.1
SCTLs - Direct Exposure Residential				2.1	82	210	400	460	0.5	0.7	24	0.06	NS	450	25	NS	420	4.2	2.9	2.9	55	2,400	1,800	21,000	2,500	72	3,200	2,600	55	200	210	2,200	2,400	0.149 +	0.149 +	*	*	*	*	*	*
SCTLs - Direct Exposure Industrial				12	1,700	470	1,400	2,700	2.4	2.5	490	0.3	NS	7,600	510	NS	8,800	22	15	15	300	20,000	20,000	300,000	52,000	390	59,000	33,000	300	1,800	2,100	36,000	45,000	0.749 +	0.749 +	*	*	*	*	*	*
SCTLs - Leachability Criteria				★	7.5	38	★	340	0.001	0.009	0.2	0.002	NS	3.8	1	NS	160	5.8	18	11	1.2	2.1	27	2,500	32,000	3,600	1,200	160	1.2	3.1	8.5	250	880	8	8	0.8	2.4	24	77	0.7	6.6
SB-1 @ 0-6"	02/01/22	0-6"	Table D UOG	0.62	0.034 (I)	11	11	6.3 (I)	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0052 U	0.0016 U	0.0041 (I)	0.0041 (I)	0.014 (I)	0.034 U	0.0047 (I)	0.0022 U	0.018	0.011	0.020	0.0030 (I)	0.0092 (I)	0.02	0.013 (I)	0.0050 (I)	0.022 (I)	0.0065 (I)	0.0077 (I)	0.0031 (I)	0.012 (I)
SB-2 @ 0-6"	02/01/22	0-6"	Table D UOG	5.8	0.91	12	72	69	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.024 (I)	0.0070 (I)	0.27	0.32	0.62	0.034 U	0.32	0.012	0.037	0.051	0.058	0.088	0.52	1.03	0.63	0.39	1.2	0.38	0.42	0.17	0.63
SB-3 @ 0-6"	02/01/22	0-6"	Table D UOG	3.0	0.40	9.6	22	5.5 (I)	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0055 (I)	0.0016 U	0.011	0.014	0.027	0.034 U	0.016	0.0023 U	0.0082 (I)	0.013	0.014	0.013	0.025	0.05	0.030 (I)	0.020	0.055 (I)	0.019	0.024 (I)	0.0088	0.028
SB-4 @ 0-6"	02/01/22	0-6"	Table D UOG	3.1	0.33	12	34	41	0.0011 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.010 (I)	0.0035 (I)	0.15	0.18	0.36	0.035 U	0.18 (I)	0.0066 (I)	0.015	0.021	0.024	0.034	0.28	0.57	0.36	0.18	0.65	0.18	0.27	0.091 (I)	0.34
SB-5 @ 0-6"	02/02/22	0-6"	Table D UOG	4.3	0.27 U	45	15	11 (I)	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0054 U	0.0016 U	0.0085 (I)	0.0078 (I)	0.027 (I)	0.035 U	0.0060 (I)	0.0023 U	0.0018 U	0.0017 U	0.0022 U	0.0023 U	0.019 (I)	0.04	0.027 (I)	0.0083 (I)	0.050 (I)	0.0090	0.020 (I)	0.0071 (I)	0.026 (I)
SB-6 @ 0-6"	02/02/22	0-6"	Table D UOG	2.1	0.12 U	8.7	8.2	5.8 (I)	0.00099 U	0.00099 U	0.00099 U	0.00099 U	0.00099 U	0.00099 U	0.00099 U	0.00099 U	0.00099 U	0.00099 U	0.00099 U	0.0051 U	0.0015 U	0.020	0.019	0.062 (I)	0.033 U	0.014	0.0022 U	0.0017 U	0.0016 U	0.0021 U	0.0022 U	0.049 (I)	0.11	0.071 (I)	0.023	0.12 (I)	0.030	0.020 (I)	0.017 (I)	0.062 (I)
SB-7 @ 0-6"	02/02/22	0-6"	Table D UOG	0.79	0.025 U	3.8	3.9	5.1 (U)	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0051 U	0.0015 U	0.022 (I)	0.015 (I)	0.089 (I)	0.033 U	0.0047 (I)	0.0022 U	0.0017 U	0.0016 U	0.0021 U	0.0022 U	0.054 (I)	0.13	0.082 (I)	0.034 (I)	0.16 (I)	0.0079 (I)	0.062 (I)	0.021 (I)	0.081 (I)
SB-8 @ 0-6"	02/02/22	0-6"	Table D UOG	2.0	0.13 U	18	4.1	5.1 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0051 U	0.0016 U	0.0018 U	0.0026 U	0.0098 (I)	0.034 U	0.0029 U	0.0022 U	0.0032 (I)	0.0019 (I)	0.0033 (I)	0.0022 U	0.0037 (I)	0.02	0.011 (I)	0.0023 (I)	0.017 (I)	0.0024 U	0.0030 U	0.0017 U	0.098 (I)
SB-9 @ 0-6"	02/02/22	0-6"	Table D UOG	1.6	0.14 U	16	7.8	5.2 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 (I)	0.0011 (I)	0.0011 U	0.0024	0.0011 U	0.0011 U	0.0011 U	0.0053 U	0.0016 U	0.0059 (I)	0.0057 (I)	0.016	0.035 U	0.0060 (I)	0.0023 U	0.0098	0.0083 (I)	0.013	0.0039 (I)	0.011	0.02	0.014	0.0086 (I)	0.027	0.011	0.0095	0.0043 (I)	0.017
SB-10 @ 0-6"	02/02/22	0-6"	Table D UOG	3.2	0.13 U	21	44	61	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0052 U	0.0043 (I)	0.27	0.25	0.62	0.034 U	0.15	0.013 (I)	0.027	0.031	0.040	0.039	0.28	0.97	0.59	0.27	1.1	0.36	0.36	0.17	0.65
SB-11 @ 0-6"	02/02/22	0-6"	Table D UOG	2.0	0.15	9.9	23	6.2 (I)	0.0029	0.0017	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0024	0.0011 U	0.0011 U	0.0052 U	0.0016 U	0.0061 (I)	0.0049 (I)	0.026 (I)	0.034 U	0.017	0.0023 U	0.0077 (I)	0.012	0.014	0.025 (I)	0.045 (I)	0.06	0.036 (I)	0.034 (I)	0.055 (I)	0.011	0.031 (I)	0.0077 (I)	0.027 (I)
SB-12 @ 0-6"	02/02/22	0-6"	Table D UOG	1.8	0.49	7.4	19	30	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0052 U	0.0033 (I)	0.18 (I)	0.16	0.49	0.034 U	0.18 (I)	0.0096 (I)	0.0072 (I)	0.0080 (I)	0.0094	0.021 (I)	0.33	0.87	0.56	0.24	0.96	0.24	0.39	0.14 (I)	0.50
SB-13 @ 0-6"	02/02/22	0-6"	Table D UOG	2.2	0.21	6.9	40	36	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0022	0.0010 U	0.0010 U	0.0070 (I)	0.0031 (I)	0.18	0.12	0.51	0.034 U	0.18 (I)	0.0080 (I)	0.0064 (I)	0.0092 (I)	0.010	0.024 (I)	0.31	0.92	0.59	0.37	1.0	0.35	0.41	0.14	0.52
SB-14 @ 0-6"	02/02/22	0-6"	Table D UOG	2.0	0.032 (I)	6.0	6.1	5.2 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0052 U	0.0016 U	0.0071 (I)	0.0026 U	0.025 (I)	0.034 U	0.0065 (I)	0.0022 U	0.0018 U	0.0016 U	0.0021 U	0.0023 (I)	0.014 (I)	0.04	0.023 (I)	0.0063 (I)	0.044 (I)	0.0089	0.018 (I)	0.0067 (I)	0.024 (I)
SB-15 @ 0-6"	02/02/22	0-6"	Table D UOG	7.1	0.14 U	17	440	22	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.067 (I)	0.0032 (I)	0.0019 U	0.0038 (I)	0.022	0.036 U	0.025	0.0023 U	0.052	0.094 (I)	0.096	0.10	0.031	0.04	0.028	0.032	0.035	0.010	0.044	0.0080 (I)	0.018
SB-16 @ 0-6"	02/02/22	0-6"	Table D UOG	0.13 U	0.026 U	1.2	4.8	5.2 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0012 (I)	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0046	0.0053 U	0.0016 U	0.0069 (I)	0.0048 (I)	0.019	0.034 U	0.011	0.0023 U	0.0019 (I)	0.0028 (I)	0.0030 (I)	0.0054 (I)	0.016	0.03	0.017	0.011 (I)	0.028	0.011	0.012	0.0050 (I)	0.018
SB-17 @ 0-6"	02/03/22	0-6"	Table D UOG	0.13 U	0.025 U	1.3	1.8	5.1 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0051 U	0.0016 U	0.0018 U	0.0026 U	0.0047 (I)	0.033 U	0.0029 U	0.0022 U	0.0018 U	0.0016 U	0.0021 U	0.0022 U	0.0031 (I)	0.00	0.0027 (I)	0.0021 U	0.0048 (I)	0.0024 U	0.0030 U	0.0017 U	0.0034 (I)
SB-18 @ 0-6"	02/03/22	0-6"	Table D UOG	0.97	0.026 U	3.5	41	9.8 (I)	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.013 (I)	0.0015 U	0.022 (I)	0.016 (I)	0.083 (I)	0.033 U	0.018	0.0021 U	0.023	0.031	0.037	0.030	0.063 (I)	0.14	0.087 (I)	0.057 (I)	0.16 (I)	0.0092	0.072 (I)	0.022 (I)	0.081 (I)
SB-19 @ 0-6"	02/03/22	0-6"	Table D UOG	0.13 U	0.026 U	1.9	5.0	7.3 (I)	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0051 U	0.0016 U	0.0071 (I)	0.010	0.031	0.033 U	0.026	0.0023 U	0.0037 (I)	0.0044 (I)	0.0053 (I)	0.0098	0.032	0.05	0.029 (I)	0.018	0.053 (I)	0.019	0.027 (I)	0.0072 (I)	0.029
SB-20 @ 0-6"	02/03/22	0-6"	Table D UOG	0.19 U	0.039 U	0.70	8.4	7.8 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0075 U	0.0024 U	0.0028 U	0.0039 U	0.0036 (I)	0.049 U	0.0044 U	0.0034 U	0.0027 U	0.0025 U	0.0032 U	0.0034 U	0.0037 U	0.01	0.0036 (I)	0.0031 U	0.0063 (I)	0.0037 U	0.0046 U	0.0026 U	0.0037 U
SB-21 @ 0-6"	02/03/22	0-6"	Table D UOG	0.94	0.034 U	4.3	200	8.9 (I)	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0068 U	0.0021 U	0.0027 (I)	0.0039 (I)	0.026 (I)	0.045 U	0.023	0.0030 U	0.027	0.041	0.046	0.038	0.039 (I)	0.05	0.029 (I)	0.028 (I)	0.042 (I)	0.0089 (I)	0.032 (I)	0.0066 (I)	0.023 (I)
SB-22 @ 0-6"	02/03/22	0-6"	Table D UOG	1.5	0.034 U	3.1	120	33	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0065 U	0.0058 (I)	0.020	0.026	0.098	0.042 U	0.10	0.0051 (I)	0.10	0.13	0.17	0.14	0.12	0.14	0.085 (I)	0.068	0.14 (I)	0.044	0.10	0.023	0.089
SB-23 @ 0-6"	02/03/22	0-6"	Table D UOG	0.87	0.081	6.2	200	5.6 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0054 U	0.0017 U	0.0020 U	0.0028 U	0.0022 U	0.035 U	0.0031 U	0.0024 U	0.0019 U	0.0018 U	0.0023 U	0.0024 U	0.0027 U	0.00	0.0019 U	0.0023 U	0.0018 (I)	0.0027 U	0.0033 U	0.0019 U	0.0027 U
SB-24 @ 0-6"	02/03/22	0-6"	Table D UOG	1.2	0.15	3.4	29	13 (I)	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0059 (I)	0.0057 (I)	0.028 (I)	0.030 (I)	0.10 (I)	0.034 U	0.15 (I)	0.0061 (I)	0.0082 (I)	0.011	0.012	0.072 (I)	0.15 (I)	0.17	0.11 (I)	0.097 (I)	0.15 (I)	0.039	0.089 (I)	0.025 (I)	0.094 (I)
SB-25 @ 0-6"	02/03/22	0-6"	Table D UOG	1.1	0.027 U	4.1	11	6.6 (I)	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0016 (I)	0.0011 U	0.0011 U	0.0011 U	0.0050 U	0.0016 U	0.0072 (I)	0.0071 (I)	0.040 (I)	0.033 U	0.053 (I)	0.0023 U	0.0018 U	0.0020 (I)	0.0022 (I)	0.014 (I)	0.050 (I)	0.07	0.042 (I)	0.032 (I)	0.067 (I)	0.019	0.038 (I)	0.0096 (I)	0.038 (I)
SB-26 @ 0-6"	02/03/22	0-6"	Table D UOG	1.5	0.24	4.6	88	41	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0026	0.0011 U	0.0011 U	0.0011 U	0.013 (I)	0.0080 (I)	0.091 (I)	0.067	0.25	0.034 U	0.29	0.010 (I)	0.023	0.032	0.034	0.13	0.31	0.41	0.26	0.22	0.37	0.13	0.23	0.066	0.25
SB-27 @ 0-6"	02/03/22	0-6"	Table D UOG	1.6	0.032 U	3.8	62	6.4 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0060 U	0.0019 U	0.0023 U	0.0032 U	0.0035 (I)	0.040 U	0.0036 U	0.0028 U	0.0022 U	0.0020 U	0.0026 U	0.0028 U	0.0030 (I)	0.00	0.0029 (I)	0.0026 U	0.0043 (I)	0.0030 U	0.0038 U	0.0021 U	0.0030 U
SB-28 @ 0-6"	02/03/22	0-6"	Table D UOG	1.2	0.57	6.1	39	9.3 (I)	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0059 U	0.0062 (I)	0.012 (I)	0.018 (I)	0.077 (I)	0.038 U	0.023	0.0057 (I)	0.0044 (I)	0.0064 (I)	0.0070 (I)	0.072 (I)	0.12 (I)	0.14	0.089 (I)	0.069 (I)	0.15 (I)	0.013	0.089 (I)	0.019 (I)	0.077 (I)
SB-29 @ 0-6"	02/04/22	0-6"	Table D UOG	2.8	0.44	6.1	100	20	0.0010 U	0.0011 (I)	0.0010 U	0.0020	0.0010 U	0.0010 U	0.0010 U	0.0025	0.0010 U	0.0010 U	0.0010 U	0.0053	0.015	0.0050 U	0.0015 (I)	0.063	0.065	0.20	0.032 U	0.080	0.0025 (I)	0.013	0.021	0.024	0.026	0.19	0.35	0.22	0.11	0.38	0.14	0.088	0.055	0.20
SB-30 @ 0-6"	02/04/22	0-6"	Table D UOG	1.7	0.35	4.1	73	65	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0019	0.0011 U	0.0011 U	0.0011 U	0.0017	0.0040	0.021 (I)	0.012 (I)	0.16	0.28	0.64	0.033 U	0.60	0.018 (I)	0.014	0.022 (I)	0.024 (I)	0.20 (I)	0.73	1.06	0.66	0.52	1.1	0.37	0.52	0.17	0.63
SB-31 @ 0-6"	02/04/22	0-6"	Table D UOG	2.4	0.51	23	68	93	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0073	0.0010 U	0.0073	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0066	0.063 (I)	0.016 (I)	0.35	0.46	1.0	0.035 U	0.92	0.036 (I)	0.048	0.081 (I)	0.084 (I)	0.35	1.2	1.81	1.1	0.89	2.1	0.66	0.84	0.29	1.1
SB-32 @ 0-6"	02/04/22	0-6"	Table D UOG	0.13 U	0.027 U	2.3	18	17	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0053 U	0.0016 U	0.014	0.021	0.10	0.035 U	0.11	0.0023 U	0.0024 (I)	0.0034 (I)	0.0035 (I)	0.034	0.12	0.16	0.10	0.081	0.15	0.057	0.11	0.026	0.097
SB-33 @ 0-6"	02/04/22	0-6"	Table D UOG	1.0	0.27	8.6	23	10 (I)	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.052 (I)	0.0015 U	0.025 (I)	0.022	0.10 (I)	0.033 U	0.097 (I)	0.0022 U	0.012	0.036 (I)	0.069 (I)	0.021 (I)	0.11 (I)	0.19	0.12 (I)	0.073 (I)	0.21	0.047	0.099 (I)	0.029 (I)	0.10 (I)
SB-34 @ 0-6"	02/04/22	0-6"	Table D UOG	0.49	0.16	6.0	12	14 (I)	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.017 (I)	0.0016 U	0.054 (I)	0.036 (I)	0.19 (I)	0.034 U	0.16 (I)	0.0054 (I)	0.0050 (I)	0.011 (I)	0.014 (I)	0.036 (I)	0.19 (I)	0.40	0.26	0.18 (I)	0.41	0.067	0.17 (I)	0.057 (I)	0.20 (I)
SB-35 @ 0-6"	02/04/22	0-6"	Table D UOG	0.78	0.21	8.9	27	18	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0099 (I)	0.0017 (I)	0.060	0.074	0.21 (I)	0.034 U	0.21 (I)	0.0028 (I)	0.0060 (I)	0.010 (I)	0.011 (I)	0.027 (I)	0.25	0.43	0.28	0.14	0.47	0.12	0.22	0.061 (I)	0.22 (I)
SB-36 @ 0-6"	02/04/22	0-6"	Table D UOG	2.1	0.64	9.4	60	50	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 (I)	0.0018	0.042 (I)	0.039 (I)	0.25	0.42	0.57	0.033 U	0.59	0.025 (I)	0.031	0.029 (I)	0.034	0.11 (I)	0.76	1.11	0.69	0.53	1.4	0.38	0.58	0.16	0.61
SB-37 @ 0-6"	02/04/22	0-6"	Table D UOG	7.9	0.87	16	170	100	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0050	0.0012 U	0.0012 U	0.0046	0.0012 U	0.0012 U	0.0012 U	0.0035	0.075 (I)	0.0065 U	0.30 (I)	0.37	0.42 (I)	0.070 U	0.061	0.023 (I)	0.041	0.075 (I)	0.14 (I)	0.055 (I)	0.085	0.27	0.12 (I)	0.081	0.28 (I)	0.062	0.081 (I)	0.079 (I)	0.36 (I)
SB-38 @ 0-6"	02/04/22	0-6"	Table D UOG	0.90	0.31	9.8	49	36	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0015 (I)	0.012 (I)	0.0072 U	0.079 (I)	0.13	0.30 (I)	0.078 U	0.39 (I)	0.010 U	0.0081 U	0.012 (I)	0.014 (I)	0.098 (I)	0.40 (I)	0.52	0.33 (I)	0.19	0.60	0.16	0.33 (I)	0.075 (I)	0.30 (I)
SB-39 @ 0-6"	02/04/22	0-6"	Table D UOG	0.82	0.12	5.0	42	27 (I)	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 (I)	0.0012 U	0.0012 U	0.023 (I)	0.016 (I)	0.15	0.23	0.53	0.037 U	0.62	0.019 (I)	0.012 (I)	0.017 (I)	0.018 (I)	0.26	0.65	0.78	0.48	0.39	0.74	0.28	0.46	0.13	0.53

TABLE 1: SOIL ANALYTICAL SUMMARY (DETECTED CONSTITUENTS)

Environmental Contamination Assessment
Tampa Hillsborough Expressway Authority (THEA)
CSX Ardent Mills Track Removal Design Services Project
Tampa, Hillsborough County, Florida
KCA Project No. 1201947.03 / THEA Contract No. O-00619-KCA / THEA-KCA PO No. 20220149
APTIM Project No. 631024069

Sample				4 RCRA Metals by SW 6010C (mg/kg)				TRPH by FL-PRO (mg/kg)	Organochlorine Pesticides & Herbicides by EPA 8081B (mg/kg)												VOCs by EPA 8260B (mg/kg)	SVOCs by EPA 8270C (mg/kg)														Benzo(a)pyrene Equivalent* by EPA 8270C/8270D (mg/kg)							
Sample ID	Date	Depth (ft bls)	Analysis	Arsenic	Cadmium	Chromium	Lead		beta-BHC	gamma-BHC (Lindane)	delta-BHC	Dieldrin	Endosulfan Sulfate	Endosulfan (alpha+beta+sulfate)	Endrin	Endrin Aldehyde	Methoxychlor	4,4-DDD	4,4-DDE	4,4-DDT	Naphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(g,h,i)perylene	bis(2-ethylhexyl Phthalate	Fluoranthene	Fluorene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene Equivalent*	Benzo(a)pyrene	Benzo(a)anthracene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Indeno(1,2,3-cd)pyrene
Toxic Equivalency Factor				NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1	0.1	0.1	0.01	0.001	1	0.1
SCTLs - Direct Exposure Residential				2.1	82	210	400	460	0.5	0.7	24	0.06	NS	450	25	NS	420	4.2	2.9	2.9	55	2,400	1,800	21,000	2,500	72	3,200	2,600	55	200	210	2,200	2,400	0.149 +	0.149 +	*	*	*	*	*	*
SCTLs - Direct Exposure Industrial				12	1,700	470	1,400	2,700	2.4	2.5	490	0.3	NS	7,600	510	NS	8,800	22	15	15	300	20,000	20,000	300,000	52,000	390	59,000	33,000	300	1,800	2,100	36,000	45,000	0.749 +	0.749 +	*	*	*	*	*	*
SCTLs - Leachability Criteria				★	7.5	38	★	340	0.001	0.009	0.2	0.002	NS	3.8	1	NS	160	5.8	18	11	1.2	2.1	27	2,500	32,000	3,600	1,200	160	1.2	3.1	8.5	250	880	8	8	0.8	2.4	24	77	0.7	6.6
SB-40 @ 0-6"	02/04/22	0-6"	Table D UOG	3.0	0.48	7.9	130	27	0.0062	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0022	0.0011 U	0.0019	0.0011 U	0.0024	0.0043	0.013 (I)	0.011	0.13 (I)	0.16	0.40	0.088 (I)	0.68	0.016	0.0031 (I)	0.016 (I)	0.016 (I)	0.33	0.67	0.74	0.47	0.42	0.71	0.18	0.38	0.11 (I)	0.40
RS - 1	02/04/22	0	Arsenic	0.48	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
RS-2	02/04/22	0	Arsenic	0.93	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
RS-3	02/04/22	0	Arsenic	0.14 (I)	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
RS-4	02/04/22	0	Arsenic	3.2	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
RS-5	02/04/22	0	Arsenic	3.6	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
RS-6	02/04/22	0	Arsenic	5.8	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
RS-7	02/04/22	0	Arsenic	4.2	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
RS-8	02/04/22	0	Arsenic	0.38	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
RS-9	02/04/22	0	Arsenic	0.29	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
RS-10	02/04/22	0	Arsenic	0.64	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

Notes: SCTLs = Soil Cleanup Target Levels per Chapter 62-777, Table II, Florida Administrative Code
(I) = Result is >/= Method Detection Limit (MDL), but < Reporting Limit
ft bls = feet below land surface
J3 = estimated value; value might not be accurate. Spike recovery or RPD outside of criteria.
NR = not requested
NS = no standard
PAHs = polynuclear aromatic hydrocarbons
PCBs = polychlorinated biphenyls
RCRA = Resource Conservation and Recovery Act
SVOCs = semivolatile organic compounds
TRPH = total recoverable petroleum hydrocarbons
U = Undetected
UOG = Used Oil Group (VOCs by EPA Method 8260C, SVOCs by EPA Method 8270D, organochloride pesticides by EPA Method 8081B, PCBs by EPA Method 8082A, and TRPH by FL-PRO)
VOCs = volatile organic compounds
+ = FDEP Memo dated May 14, 2007: Quality Assurance and Related Issues
Bold and shaded cells indicate Leachability SCTLs exceeded
Bold and shaded cells indicate Direct Exposure Residential SCTLs exceeded
★ = May be derived using SPLP to calculate site-specific SCTLs or determined by Toxicity Characteristic Leaching Procedure in event of oily wastes
* = Equivalent concentration was calculated as the sum of each Polycyclic Aromatic Hydrocarbon concentration times its Toxicity Equivalency Factor. For Undetected constituents, 1/2 the reporting limit is the assumed concentration. (The Minimum Detection Limit was used.)

TABLE 2: SOIL BORING AND OVA-PID LOG

Environmental Contamination Assessment
Tampa Hillsborough Expressway Authority (THEA)
CSX Ardent Mills Track Removal Design Services Project
Tampa, Hillsborough County, Florida
KCA Project No. 1201947.03 / THEA Contract No. O-00619-KCA / THEA-KCA PO No. 20220149
APTIM Project No. 631024069

Soil Boring	Depth (ft)	Date	Description	PID Result (ppm)
SB-1	0.5★	02/01/22	dark brown/red silty sand	0.0
	1		dark brown/red silty sand	0.0
	2		red silty sand	0.0
SB-2	0.5★	02/01/22	dark brown/red silty sand	0.0
	1		dark brown/red silty sand	0.0
	2		red silty sand	0.0
SB-3	0.5★	02/01/22	dark brown/red silty sand	0.0
	1		red silty sand	0.0
	2		red silty sand	0.0
SB-4	0.5★	02/01/22	dark brown/red silty sand	0.0
	1		red silty sand	0.0
	2		red silty sand	0.0
SB-5	0.5★	02/02/22	red silty sand	0.0
	1		red silty sand	0.0
	2		red silty sand	0.0
SB-6	0.5★	02/02/22	red silty sand	0.0
	1		red silty sand	0.0
	2		red silty sand	0.0
SB-7	0.5★	02/02/22	red silty sand	0.0
	1		red silty sand	0.0
	2		red silty sand	0.0
SB-8	0.5★	02/02/22	red/black silty sand	0.0
	1		red/black silty sand	0.0
	2		red silty sand	0.0
SB-9	0.5★	02/02/22	black silty sand	0.0
	1		black silty sand	0.0
	2		red silty sand	0.0
SB-10	0.5★	02/02/22	Black and red silty sand	0.0
	1		Black and red silty sand	0.0
	2		Black and red silty sand	0.0
SB-11	0.5★	02/02/22	Black and red silty sand	0.0
	1		Black and red silty sand	0.0
	2		Black and red silty sand	0.0
SB-12	0.5★	02/02/22	Tan and black silty sand	0.0
	1		brown silty sand	0.0
	2		brown silty sand	0.0

TABLE 2: SOIL BORING AND OVA-PID LOG

Environmental Contamination Assessment
Tampa Hillsborough Expressway Authority (THEA)
CSX Ardent Mills Track Removal Design Services Project
Tampa, Hillsborough County, Florida
KCA Project No. 1201947.03 / THEA Contract No. O-00619-KCA / THEA-KCA PO No. 20220149
APTIM Project No. 631024069

Soil Boring	Depth (ft)	Date	Description	PID Result (ppm)
SB-13	0.5*	02/02/22	red and black silty sand	0.0
	1		red and black silty sand	0.0
	2		red and black silty sand	0.0
SB-14	0.5*	02/02/22	Black and red silty sand	0.0
	1		Black and red silty sand	0.0
	2		red silty sand	0.0
SB-15	0.5*	02/02/22	red and black silty sand	0.0
	1		red and black silty sand	0.0
	2		red and black silty sand	0.0
SB-16	0.5*	02/02/22	dark grey silty sand	0.0
	1		dark grey silty sand	0.0
	2		dark grey silty sand	0.0
SB-17	0.5*	02/03/22	tan silty sand	0.0
	1		tan silty sand	0.0
	2		tan silty sand	0.0
SB-18	0.5*	02/03/22	dark tan silty sand	0.0
	1		dark tan silty sand	0.0
	2		dark tan silty sand	0.0
SB-19	0.5*	02/03/22	dark silty sand –gray silty sand	0.0
	1		dark silty sand –gray silty sand	0.0
	2		grey sitly sand	0.0
SB-20	0.5*	02/03/22	grey silty sand	0.0
	1		grey silty sand	0.0
	2		brown silty sand	0.0
SB-21	0.5*	02/03/22	grey brown sitly sand	0.0
	1		grey brown sitly sand	0.0
	2		brown silty sand	0.0
SB-22	0.5*	02/03/22	dark brown grey silty sand	0.0
	1		dark brown grey silty sand	0.0
	2		dark brown grey silty sand	0.0
SB-23	0.5*	02/03/22	dark brown red tint	0.0
	1		dark brown red tint	0.0
	2		dark brown red tint	0.0
SB-24	0.5*	02/03/22	grey silty sand	0.0
	1		dark grey silty sand	0.0
	2		dark grey silty sand	0.0

TABLE 2: SOIL BORING AND OVA-PID LOG

Environmental Contamination Assessment
Tampa Hillsborough Expressway Authority (THEA)
CSX Ardent Mills Track Removal Design Services Project
Tampa, Hillsborough County, Florida
KCA Project No. 1201947.03 / THEA Contract No. O-00619-KCA / THEA-KCA PO No. 20220149
APTIM Project No. 631024069

Soil Boring	Depth (ft)	Date	Description	PID Result (ppm)
SB-25	0.5*	02/03/22	light grey silty sand	0.0
	1		light grey silty sand	0.0
	2		light grey silty sand	0.0
SB-26	0.5*	02/03/22	dark grey silty sand	0.0
	1		dark grey silty sand	0.0
	2		dark grey silty sand	0.0
SB-27	0.5*	02/03/22	dark grey silty sand	0.0
	1		dark grey silty sand	0.0
	2		dark grey silty sand	0.0
SB-28	0.5*	02/03/22	dark brown silty sand	0.0
	1		dark brown silty sand	0.0
	2		dark brown silty sand	0.0
SB-29	0.5*	02/04/22	dark brown silty sand	0.0
	1		dark brown silty sand	0.0
	2		dark brown/grey silty sand	0.0
SB-30	0.5*	02/04/22	light/dark grey silty sand	0.0
	1		light/dark grey silty sand	0.0
	2		light/dark grey silty sand	0.0
SB-31	0.5*	02/04/22	dark brown silty sand	0.0
	1		dark brown silty sand	0.0
	2		dark brown silty sand	0.0
SB-32	0.5*	02/04/22	dark brown silty sand	0.0
	1		dark brown silty sand	0.0
	2		dark brown silty sand	0.0
SB-33	0.5*	02/04/22	dark brown silty sand	0.0
	1		dark brown silty sand	0.0
	2		dark brown silty sand	0.0
SB-34	0.5*	02/04/22	dark brown silty sand	0.0
	1		dark brown silty sand	0.0
	2		dark brown silty sand	0.0
SB-35	0.5*	02/04/22	dark brown silty sand	0.0
	1		dark brown silty sand	0.0
	2		dark brown silty sand	0.0
SB-36	0.5*	02/04/22	dark brown silty sand	0.0
	1		dark brown silty sand	0.0
	2		dark brown silty sand	0.0

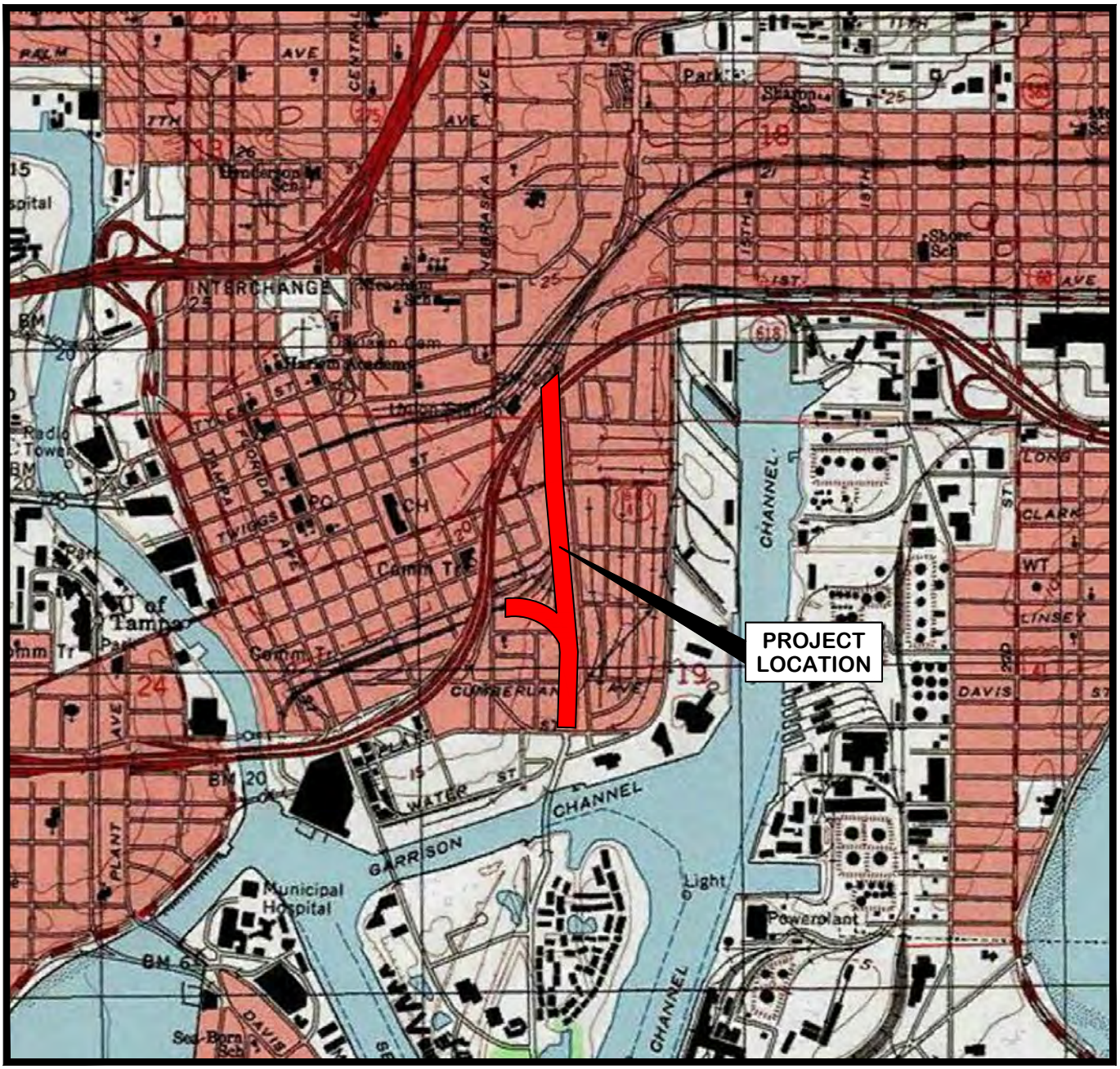
TABLE 2: SOIL BORING AND OVA-PID LOG

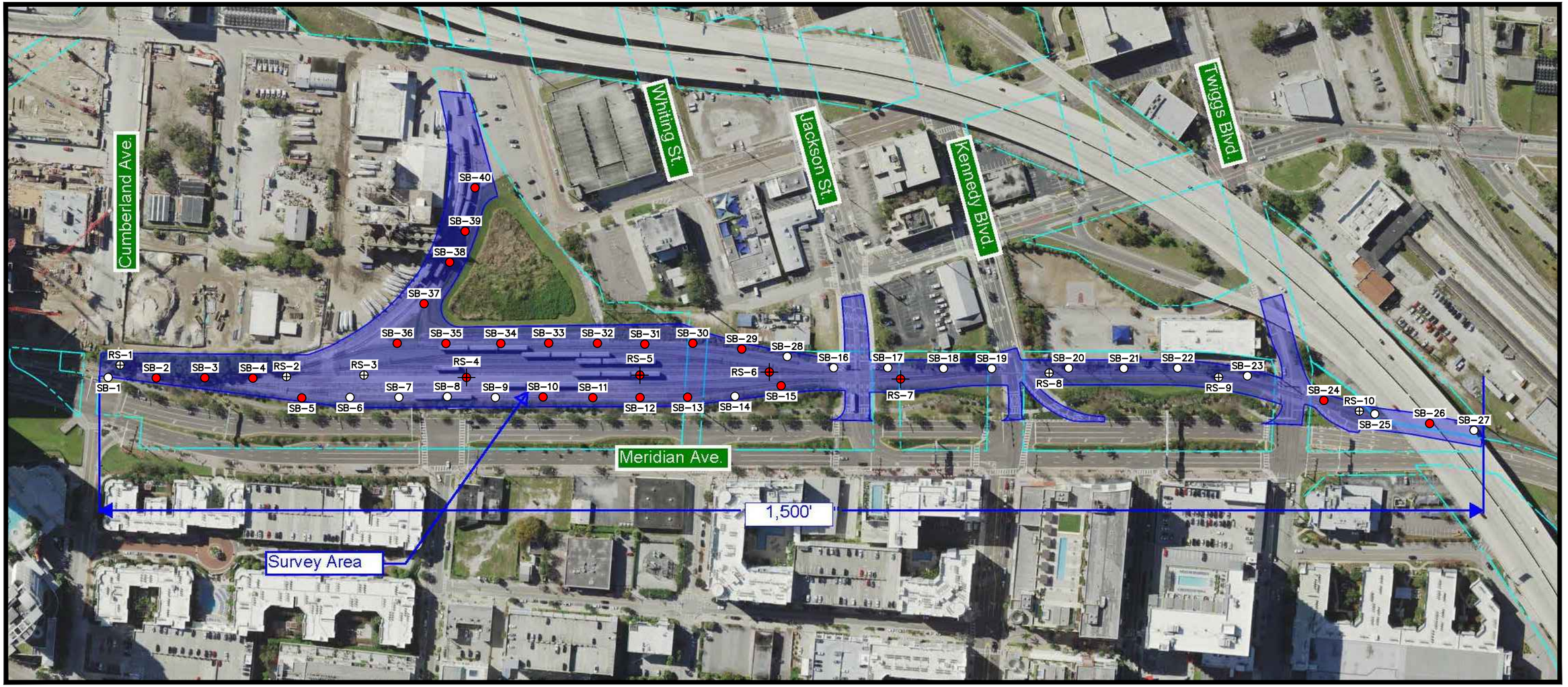
Environmental Contamination Assessment
Tampa Hillsborough Expressway Authority (THEA)
CSX Ardent Mills Track Removal Design Services Project
Tampa, Hillsborough County, Florida
KCA Project No. 1201947.03 / THEA Contract No. O-00619-KCA / THEA-KCA PO No. 20220149
APTIM Project No. 631024069

Soil Boring	Depth (ft)	Date	Description	PID Result (ppm)
SB-37	0.5*	02/04/22	dark brown silty sand	0.0
	1		dark brown silty sand	0.0
	2		dark brown silty sand	0.0
SB-38	0.5*	02/04/22	dark brown silty sand	0.0
	1		dark brown silty sand	0.0
	2		dark brown silty sand	0.0
SB-39	0.5*	02/04/22	dark brown silty sand	0.0
	1		dark brown silty sand	0.0
	2		dark brown silty sand	0.0
SB-40	0.5*	02/04/22	dark brown silty sand	0.0
	1		dark brown silty sand	0.0
	2		dark brown silty sand	0.0

Notes: * = soil sample collected
ft = feet
OVA = organic vapor analyzer
ppm = parts per million

Figures


PROJECT LOCATION
INTERCHANGE
CHANNEL
GARRISON
CHANNEL
Municipal Hospital
Powerplant
CHANNEL
WATER ST
CUMBERLAND AVE
DAVIS
CLARK
LINSEY
LONG
WT
U of Tampa
Comm Tr
Radio Tower
BM 20
BM 6
Park
Shore Sch
Harem Academy
Sch
Sch
Sch



N

SCALE (FEET)

0 225 250

LEGEND:

- SOIL SAMPLE LOCATION BELOW SCTLs
- BALLAST ROCK SAMPLE LOCATION BELOW SCTLs
- SOIL SAMPLE LOCATION EXCEEDING SCTLs
- BALLAST ROCK SAMPLE LOCATION EXCEEDING SCTLs
- PROPOSED TRACK REMOVAL and GRADING AREA

APTIM ENVIRONMENTAL & INFRASTRUCTURE, LLC
725 U.S. HIGHWAY 301 SOUTH
TAMPA, FLORIDA 33619
(813) 612-3600 OFFICE
(813) 626-1663 FAX

OFFICE:	DATE:	ACAD FILE:
TAMPA	3-3-22	4069B1

SOIL SAMPLE and BALLAST ROCK SAMPLE LOCATION MAP

CLIENT:	PM:
KISINGER CAMPO & ASSOCIATES	KD

LOCATION:

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY
CSX ARDEN MILLS TRACK REMOVAL
DESIGN SERVICES PROJECT
TAMPA, HILLSBOROUGH COUNTY, FLORIDA
KCA PROJECT No.: 1201947.03
THEA CONTRACT NUMBER: 0-00619-KCA
THEA-KCA PO No. 20220149

DESIGNED:	DRAWN:	PROJECT NO.:	FIGURE:
JJ	SDJF	631024069	2

Appendix A
Scope of Services

KCA | KISINGER CAMPO & ASSOCIATES

December 13, 2021

Kristin Dobbins, PE
Project Manager
Aptim Environmental & Infrastructure, LLC
725 US Highway 301 South
Tampa, FL 33619

Re: Environmental Services under
Tampa-Hillsborough County Expressway Authority – Misc. Design & Construction Engineering Inspection (CEI)
Contract No. O-00619-KCA / PO No. 20220149 / KCA Project No. 1201947.03
APTIM's Task Authorization Number ONE
(Correlating to KCA's Task Order Number Three)

Dear Ms. Dobbins,

Per the original Subconsultant Agreement, dated **December 13, 2021** between Kisinger Campo & Associates Corp. (KCA) and APTIM Florida, LLC, (APTIM), you are hereby authorized to provide the Environmental Services as described further in Attachment "A", attached hereto and made a part hereof.

For those services required from APTIM, compensation shall be based on a **Limiting Amount of $37,727.25.** Such Limiting Amounts shall be paid in accordance with the actual units or hours of services completed, as approved by KCA and the Project Owner. In no event shall compensation for the required services exceed the actual services completed, as authorized and approved by KCA and the Project Owner. Attachment "B" – Details of Compensation, attached hereto and made a part hereof, has been prepared in accordance with Attachment "B" of your Subconsultant Agreement.

The required services shall be completed within the time allotted for each individual task work order, but no event later than **August 31, 2022** unless this date is extended by an executed amendment. Time is of the essence for this Authorization. Completion of APTIM's services shall be based on the Project Schedule as determined by KCA and the Project Owner.

This brings the total amount of compensation for services authorized to-date under this Agreement to $37,727.25. (APTIM's Authorization Number One).

Sincerely,

Paul G. Foley, P.E.
CEO / President

To indicate your concurrence, please sign & date, returning one scanned copy via e-mail.

APTIM ENVIRONMENTAL & INFRASTRUCTURE, LLC

Signature: Donald L Lewis **Date:** 01/25/22

Name: Donald L. Lewis **Title:** VP, Sr. Operations Manager

KCA | KISINGER CAMPO & ASSOCIATES

ATTACHMENT "A"

COPY OF
SCOPE OF SERVICES
FOR

APTIM's AUTHORIZATION NUMBER ONE
(Correlating to KCA's Task Order Number Three)

Environmental Services under
Tampa-Hillsborough County Expressway Authority – Misc. Design & Construction Engineering Inspection (CEI)
Contract No. O-00619-KCA / PO No. 20220149 / KCA Project No. 1201947.03

COPY

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY
BLANKET PURCHASE ORDER FORM

FINALIZED REQUISITION #	**20220149**	Contract #: O-00619D	
VENDOR	**KCA**		
	New Vendor		*Established Vendor* X
DATES OF SERVICE	12/13/2021	**TO**	8/31/2022
			not to exceed June 30th of the current fiscal year
PROJECT NUMBER	HI-0204-D-03		
PROJECT NAME	Meridian ~ CSX Tracks Removal		
MAXIMUM APPROVED BILLINGS			
SCOPE OF WORK	Provide design services for CSX railroad track removal from Cumberland to north of Twiggs in THEA ROW.		

APPROVALS

THEA PROJECT MANAGER	***Brian Pickard*** Brian Pickard	**PM = Judith Villegas**
DIRECTOR OF FINANCE	***Jeff Seward*** Jeff Seward	
EXECUTIVE DIRECTOR	***Joe Waggoner*** Joseph Waggoner	
VENDOR PROJECT MANAGER		pfoley@kcaeng.com *Vendor PM Email Address*

INVOICING TERMS

Invoices are due no later than the 15th of each month, payable within 30 days of approval of submitted invoice.
All invoices must include the Finalized Purchase Requisition number. **All invoices must be sent to AP@tampa-xway.com**

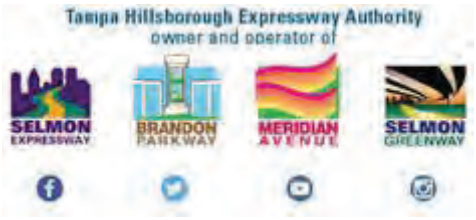
THEA FINANCE DEPARTMENT - INTERNAL USE ONLY	
GP VENDOR #	
FUND	
GL ACCOUNT #	

Man Le

From: Brian Pickard
Sent: Tuesday, December 14, 2021 3:26 PM
To: Man Le; Jeff Seward; Joe Waggoner
Subject: RE: KCA PO 20220149

Approved.

Brian W. Pickard, P.E,
Director of Operations and Engineering
Tampa Hillsborough County Expressway Authority
1104 E. Twiggs Street, Suite 300
Tampa, Florida 33602
Phone: 813-272-5987



Under Florida law, e-mail addresses are public records. If you do not want your e-mail address released in response to a public records request, do not send electronic mail to this entity. Instead, contact this office by phone or in writing.

From: Man Le <man.le@tampa-xway.com>
Sent: Tuesday, December 14, 2021 1:42 PM
To: Brian Pickard <brian.pickard@tampa-xway.com>; Jeff Seward <jeff.seward@tampa-xway.com>; Joe Waggoner <joe@tampa-xway.com>
Subject: KCA PO 20220149

Good afternoon,

Requesting approval for the attached KCA PO 20220149 for design services for CSX Railroad track removal in the amount [redacted] This item was approved by THEA's Board on 12/13/2021.

Thank you,

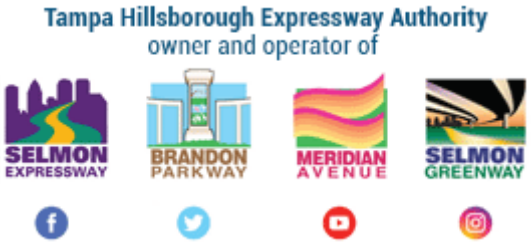
Man Le, PMP
Contracts & Procurement Manager
Tampa-Hillsborough Expressway Authority
1104 East Twiggs Street, Suite 300
Tampa, Florida 33602
813.272.2307

Man Le

From: Jeff Seward
Sent: Tuesday, December 14, 2021 1:51 PM
To: Man Le; Brian Pickard; Joe Waggoner
Subject: RE: KCA PO 20220149

Approved

Jeffrey Seward
Director of Finance
Tampa Hillsborough Expressway Authority (THEA)
1104 E. Twiggs Street, Suite 300
Tampa, Florida 33602
Phone: 813-564-5201



Under Florida law, e-mail addresses are public records. If you do not want your e-mail address released in response to a public records request, do not send electronic mail to this entity. Instead, contact this office by phone or in writing.

From: Man Le <man.le@tampa-xway.com>
Sent: Tuesday, December 14, 2021 1:42 PM
To: Brian Pickard <brian.pickard@tampa-xway.com>; Jeff Seward <jeff.seward@tampa-xway.com>; Joe Waggoner <joe@tampa-xway.com>
Subject: KCA PO 20220149

Good afternoon,

Requesting approval for the attached KCA PO 20220149 for design services for CSX Railroad track removal in the amount [redacted] This item was approved by THEA's Board on 12/13/2021.

Thank you,

Man Le, PMP
Contracts & Procurement Manager
Tampa-Hillsborough Expressway Authority
1104 East Twiggs Street, Suite 300
Tampa, Florida 33602
813.272.2307

Man Le

From: Joe Waggoner
Sent: Tuesday, December 14, 2021 2:04 PM
To: Man Le; Brian Pickard; Jeff Seward
Subject: RE: KCA PO 20220149

Approved

Joe Waggoner, Executive Director
Tampa-Hillsborough County Expressway Authority
1104 East Twiggs Street, Suite 300
Tampa, Florida 33602
(813) 276-2113

From: Man Le <man.le@tampa-xway.com>
Sent: Tuesday, December 14, 2021 1:42 PM
To: Brian Pickard <brian.pickard@tampa-xway.com>; Jeff Seward <jeff.seward@tampa-xway.com>; Joe Waggoner <joe@tampa-xway.com>
Subject: KCA PO 20220149

Good afternoon,

Requesting approval for the attached KCA PO 20220149 for design services for CSX Railroad track removal in the amount [redacted] This item was approved by THEA's Board on 12/13/2021.

Thank you,

Man Le, PMP
Contracts & Procurement Manager
Tampa-Hillsborough Expressway Authority
1104 East Twiggs Street, Suite 300
Tampa, Florida 33602
813.272.2307

SCOPE OF SERVICES
TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY
CSX Arden Mills Track Removal Plans
THEA Project No.: TBD

I. OBJECTIVES

The Tampa Hillsborough Expressway Authority (THEA) requires Professional Services to prepare construction plans for the removal of all existing CSX Railroad primary, side and/or spur tracks within THEA right-of-way that services the Arden Mills facility in downtown Tampa. The project limits are from north of East Cumberland Avenue to north of Twiggs Street. The CONSULTANT shall develop design documents, contract plans, specifications and detailed cost estimates for the work. These contract documents will be used to bid the project and by the successful contractor to build the project, and by THEA and its Construction Engineering & Inspection (CEI) CONSULTANT for inspection and final acceptance of the project.

II. PROJECT DESCRIPTION

The CONSULTANT shall prepare construction plans for the removal of all existing CSX Railroad primary, side and/or spur tracks and restoration to existing grades within THEA right-of-way that services the Arden Mills facility in downtown Tampa from north of East Cumberland Avenue to north of Twiggs Street.

The work also includes removal of railroad tracks running across the following roadways:

- East Jackson Street
- East Kennedy Blvd.
- East Twiggs Street

Existing railroad signals, crossing gates, and railroad signs and crossing pavement marking shall also be removed as part of this project.

East Twiggs Street is a City of Tampa Street and coordination and permitting with the City will be required.

East Jackson Street and East Kennedy Blvd. are State Roadways and coordination and permitting will be required with FDOT.

The CONSULTANT shall coordinate the removal of the at-grade crossings with the FDOT Rail Office (District 7 and Central Office) as required.

The CONSULTANT shall conduct all necessary environmental investigations and analysis to identify and depict in the plans all hazardous material locations within the project limits. Plans shall also indicate disposition of removed tracks, ties, and ballast in accordance with local rules regarding hazardous/special waste. The plans shall identify the removal and disposal of contaminated materials found below the railroad ties (i.e. ballast and supporting materials) shall be handled by the Contractor's qualified Contamination and Remediation (CAR) Contractor as approved by THEA.

The CONSULTANT shall prepare plan and profile sheets, typical sections, pavement designs, temporary traffic control plans, drainage, base clearance, utility coordination, local and state agency permitting, environmental permitting, signing and pavement marking, survey, and geotechnical investigations and specification package.

III. ANALYSIS AND PLANS

Submit Phase II (60%) and Phase IV (100%) and Final plans. The CONSULTANT shall deliver final contract plans and documents in digital format. The final contract plans and documents shall be digitally signed and sealed files delivered to THEA on acceptable electronic media, as determined by the THEA.

Prepare a Typical Section Package to coordinate with the City of Tampa and FDOT (District 7) for design concurrence along the cross streets.

Prepare construction cost estimates when scope changes occur and/or at milestones of the project.

Prepare the Specification Package and provide Technical Special Provisions for all items of work not covered by the FDOT's Standard Specifications for Road and Bridge Construction and the workbook of implemented modifications.

Provide proposed Pavement Designs prior to the Phase II plans submittal date. It is anticipated that the pavement designs for the track removals at the cross streets will match the current respective pavement designs for each street. Pavement cores will be performed along each cross street to support the pavement design evaluation.

The non-roadway areas shall be leveled out and seeded and mulched. Contours will be reviewed to ensure positive drainage.

Design a safe and effective temporary traffic control design and prepare temporary traffic control plans. Investigate the need for temporary traffic signals, temporary lighting, alternate detour roads.

Prepare Roadway, Traffic Control, Utility Adjustment Sheets, Signing and Pavement Markings Sheets, Signalization Sheets, plan sheets, notes, and details. The plans shall include the following sheets necessary to convey the intent and scope of the project for the purposes of construction:

- Key Sheet
- Typical Section Sheets for roadway crossings and for the land area away from the road crossings
- Drainage Map
- General Notes
- Project Layout for CSX track removal and sheet map layout
- Summary of Quantities
- Plan/Profile Sheets
- Special Details
- Drainage Structure Sheets
- Miscellaneous Drainage Detail Sheets
- Cross Section Pattern Sheet
- Roadway Soil Survey Sheet
- Cross Sections
- Erosion Control Plan Sheets
- SWPPP Sheets
- Temporary Traffic Control Plan Sheets
- Utility Adjustment Sheets
- Project Network Control Sheets
- Utility Verification Sheets
- Signing and Pavement Marking Sheets
- Signalization Sheets including removal of railroad equipment and signal preemption

Evaluate and address drainage to adequately drain the track removal areas and maintain positive drainage during all construction phases. Provide documentation.

Identify utility facilities and secure agreements, utility work schedules, and plans from the Utility Agency Owners (UAO) ensuring all conflicts that exist between utility facilities and THEA's construction project are addressed.

Collect all data and information necessary to prepare the permit applications and obtain the environmental permits required to construct the project.

Prepare and submit applicable permit applications to FDOT. Coordinate as necessary with the FDOT Rail Office.

Submit Construction documents for the crossings at Twiggs Street in the City's Accela system.

Prepare Signing and Pavement Marking plans and complete associated tasks in accordance with all applicable manuals, guidelines, standards, handbooks, procedures, and current design memorandums. The Consultant will perform all effort required for field data collection, and investigation in accordance with the FDOT's Manual on Uniform Traffic Studies. The existing railroad crossing pavement markings are to be removed.

Prepare Signalization Plans and complete associated tasks in accordance with all applicable manuals, guidelines, standards, handbooks, procedures, and current design memorandums. Consultant shall analyze and document existing signalizations and railroad signal equipment in accordance with all applicable manuals, guidelines, standards, handbooks, procedures, and current design memorandums. The Consultant will perform all effort required for field data collection, and investigation in accordance with the FDOT's Manual on Uniform Traffic Studies. The existing railroad crossing flashing signals and gates are to be removed.

Perform survey tasks in accordance with all applicable statutes, manuals, guidelines, standards, handbooks, procedures, and current design memoranda. Include project control, topography, underground utilities (Subsurface Utility Engineering (SUE)) and right of way.

- Topographic Survey to be performed to Standards of Practice for land surveying in the State of Florida per FAC Chapter 5J-17
- Establish Horizontal Project Control referenced to NAD 1983,2011 adjustment
- Establish Vertical Project Control referenced to NAVD 1988
- Provide location of all existing improvements and show on map of survey (including railroad tracks, railroad beds, buildings, curbs, paving, concrete slabs, etc.) within project area
- Locate above ground evidence of utilities within specified project area
- Obtain ground elevations on 50' grid and grade- breaks

Perform a geotechnical investigation including a determination of LBR values, existing groundwater elevations and an estimate of the seasonal highwater table. All work performed by the CONSULTANT shall be in accordance with FDOT standards. Prepare a preliminary geotechnical report summarizing the results of the auger boring program, laboratory test results on the soil samples, groundwater table data and

estimated seasonal high groundwater table. A Roadway Soil Survey plan sheet will be provided with the construction plans.

IV. PROJECT SCHEDULE

Within ten (10) days after the Notice-To-Proceed, and prior to the CONSULTANT beginning work, provide a detailed project activity/event schedule for THEA and CONSULTANT scheduled activities.

V. QUALITY CONTROL

The CONSULTANT shall be responsible for ensuring that all work products conform to FDOT standards and criteria. This shall be accomplished through an internal Quality Control (QC) process performed by the CONSULTANT. This QC process shall insure that quality is achieved through checking, reviewing, and surveillance of work activities by objective and qualified individuals who were not directly responsible for performing the initial work.

VI. PROGRESS MEETINGS

Progress Meetings will be held monthly and any unscheduled meetings as necessary. Within ten (10) days after the Notice to Proceed, the CONSULTANT shall provide a schedule of calendar deadlines in a format prescribed by the THEA.

APTIM
725 US Highway 301 South
Tampa, Florida 33619
Tel: +1 813 612 3600
Fax: +1 813 626 1663
www.aptim.com

November 20, 2021

APTIM Project No. TBD

Mr. Branan Anderson, PE
Senior Project Engineer/ Project Manager
Kisinger Campo & Associates (KCA)
201 N. Franklin Street, Suite 400
Tampa, Florida 33602

Re: Scope of Services for
Environmental Contamination Assessment
Tampa Hillsborough Expressway Authority (THEA)
CSX Arden Mills Track Removal Project
Tampa, Hillsborough County, Florida
THEA Project No: TBD
Contract Number: TBD

Dear Mr. Anderson:

Aptim Environmental & Infrastructure, LLC (APTIM) is pleased to present this scope of work and cost proposal for an environmental Contamination Assessment in support of Kisinger Campo & Associates (KCA)'s proposal for the Tampa Hillsborough Expressway Authority (THEA) CSX Arden Mills Track Removal project in Hillsborough County, Florida.

The Tampa Hillsborough Expressway Authority (THEA) requires Professional Services to prepare construction plans for the removal of all existing CSX Railroad primary, side and/or spur tracks within THEA right-of-way that services the Arden Mills facility in downtown Tampa. The project limits are from north of East Cumberland Avenue to north of Twiggs Street along Meridian Avenue in downtown Tampa. KCA, as the primary bidding CONSULTANT for THEA on the aforementioned project, requested APTIM provide a scope and cost estimate to conduct all necessary environmental investigations and analysis to identify and depict in the plans all hazardous material locations within the project limits.

Based on a review of concept plans and general scope of services provided by KCA, a desktop review of regulated sites in the project area, and projects of similar nature, APTIM recommends the following contamination assessment tasks to identify, evaluate, and prepare recommendations for disposition of potential hazardous waste and pollutants associated with the proposed CSX railroad track removal project:

- Prepare a site-specific health and safety plan to ensure a safe working environment. Provide 40-hr Occupational Safety and Health Administration OSHA)-trained personnel for performance of all field activities.
- Request utility mark-outs (i.e., setbacks, stations, and vertical and horizontal elevations) from the prime contractor or arrange with a utility locator service to identify and adequately mark all underground utilities in the areas where subsurface investigation will occur, when necessary.

- Using hand augers, advance up to forty (40) borings up to 2 ft deep for soil screening and sample collection at approximately 100 ft spacing along the railroad tracks to be removed. If railroad ballas material lies within the boring area, the boring depth will begin at the depth at which the soil is reached. The approximate locations of the samples to be collected along the subject area are shown on **Figure 1**. The locations of these borings may be adjusted during the field work by the project scientist/geologist as needed based on site conditions and/or observed visual signs of potential contamination.

- Properly decontaminate tools and equipment before use and between sampling locations in accordance with the FDEP-SOP-01/001.

- Screen the soil at each boring location at 12-inch (in) depth intervals up to 2 ft deep with an organic vapor analyzer/photovac flame-ionization (OVA/PID) detector in accordance with Rule 62-770.200(12), Florida Administrative Code. Record the net resultant vapor measurement as the hydrocarbon vapor concentration.

- Collect up to forty (40) grab soil samples for laboratory analyses at each boring location at 0 to 6-in depth interval. Submit the soil samples to an accredited laboratory for Table D Used Oil Group analyses as listed in Rule 62-780.900, F.A.C. including Total Recoverable Petroleum Hydrocarbons (TRPH) by FL-PRO, Priority Pollutant (PP) Semi-Volatile Organic Compounds (SVOCs) by Environmental Protection Agency (EPA) Method 8270/8310, PP Volatile Organic Compounds (VOCs) by EPA 8260; 4 Resource Conservation and Recovery Act (RCRA) Metals (arsenic, cadmium, chromium, lead) by EPA Methods 6010/6020; polychlorinated biphenyls (PCBs) by EPA 8082; and Organochlorine (OC) Pesticides by EPA Method 8081B.

- The field sampling work is estimated to be performed in up to four (4) days with two personnel. Scope duration assumes existing ballast may require additional efforts to advance the borings by hand auger.

- As requested by KCA, review construction plans and previous contamination assessments for the referenced project. Provide recommendations for additional evaluations, investigations, or remediation activities to be completed prior to or during construction, should they be necessary.

- Submit an Environmental Contamination Assessment Report to KCA. The report will be technically concise and will include data collected, analyses, graphics, tables, and appendices to completely illustrate the assessment effort. Recommendations for additional evaluations, investigations, and/or disposal and remediation activities as a result of this Contamination Assessment to be completed prior to or during construction will also be provided. One draft report and upon approval, one (1) final hard copy and one (1) final electronic copy of the report will be submitted to KCA.

Per our phone conversation on November 19, 2021, the primary consultant (KCA) will provide the necessary site access agreements and permits for APTIM to be able to perform the above-described contamination assessment services.

Schedule and Cost

The total ~~lump-sum~~ Not to Exceed (NTE) amount to complete the above-described contamination assessment services is **$37,727.25**. These costs are a best estimate based on the available information at this time. In the event there is a change in scope, APTIM shall immediately notify KCA with an explanation and estimation of additional costs, if any. APTIM will not exceed the authorized lump sum contract amount without prior approval from KCA. A description of assigned costs and unit rates is provided as **Attachment B**.

All tasks outlined as noted above will be completed within 60 days of receipt of authorization to proceed. The services will be provided in accordance with the terms and conditions of a mutually agreeable agreement between APTIM and KCA.

APTIM appreciates the opportunity to provide these assessment services on behalf of KCA. Should you have any questions or need additional information, please contact me at (813) 612-3660.

Sincerely,
APTIM Environmental & Infrastructure, Inc.

Kristin M. Dobbins, P.E.
Contract Manager

Attachments: Attachment A – Figure 1: Contamination Assessment Sampling Plan
Attachment B – Cost Proposal

pc: APTIM Project File TBD

ATTACHMENT A

FIGURE 1 Contamination Assessment Sampling Plan

ssessment Sampling Plan

KCA | KISINGER CAMPO & ASSOCIATES

ATTACHMENT "B"

DETAILS OF COMPENSATION
FOR

APTIM's AUTHORIZATION NUMBER ONE
(Correlating to KCA's Task Order Number One)

Environmental Services under
Tampa-Hillsborough County Expressway Authority – Misc. Design & Construction Engineering Inspection (CEI)
Contract No. O-00619-KCA / PO No. 20220149 / KCA Project No. 1201947.03

KCA | KISINGER CAMPO & ASSOCIATES

APTIM's - SUMMARY OF COMPENSATION

APTIM Auth #	KCA TWO # / Project #	Date	Completion Date	Description	Authorized Amount	Cumulative Total
#1	#3 (#1201947.03)	12/13/21	8/31/22	Environmental Services	$37,727.25 Limiting Amount	$37,727.25 Limiting Amount

For compensation based on a Cost Plus Not-to-Exceed basis based on classifications, the Subconsultant is responsible for invoicing individuals by the proper classification authorized under such Agreement Altering an individual's classification must be pre-approved before such invoicing will be authorized.

Appendix B
Soil Laboratory Analytical Reports, Chain-of-Custody Records, Benzo(a)pyrene Conversion Tables, and OVA Calibration Logs

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

February 10, 2022

Kristin Dobbins
Aptim
725 US Hwy 1
Tampa, FL 33619

RE: Workorder: T2202342 CSX Arden Mill Track

Dear Kristin Dobbins:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday February 2, 2022. 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,

Sue Bell, Sr Project Manager
SBell@aellab.com

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported
T2202342001	SB-1 @ 0-6"	SO	EPA 8081	02/01/2022 11:34	02/02/2022 14:32	19
T2202342001	SB-1 @ 0-6"	SO	FL-PRO	02/01/2022 11:34	02/02/2022 14:32	1
T2202342001	SB-1 @ 0-6"	SO	SM 2540G	02/01/2022 11:34	02/02/2022 14:32	1
T2202342001	SB-1 @ 0-6"	SO	SW-846 6010	02/01/2022 11:34	02/02/2022 14:32	4
T2202342001	SB-1 @ 0-6"	SO	SW-846 8082A	02/01/2022 11:34	02/02/2022 14:32	7
T2202342001	SB-1 @ 0-6"	SO	SW-846 8260B	02/01/2022 11:34	02/02/2022 14:32	37
T2202342001	SB-1 @ 0-6"	SO	SW-846 8270C	02/01/2022 11:34	02/02/2022 14:32	59
T2202342001	SB-1 @ 0-6"	SO	SW-846 8270C (SIM)	02/01/2022 11:34	02/02/2022 14:32	18
T2202342002	SB-2 @ 0-6"	SO	EPA 8081	02/01/2022 11:50	02/02/2022 14:32	19
T2202342002	SB-2 @ 0-6"	SO	FL-PRO	02/01/2022 11:50	02/02/2022 14:32	1
T2202342002	SB-2 @ 0-6"	SO	SM 2540G	02/01/2022 11:50	02/02/2022 14:32	1
T2202342002	SB-2 @ 0-6"	SO	SW-846 6010	02/01/2022 11:50	02/02/2022 14:32	4
T2202342002	SB-2 @ 0-6"	SO	SW-846 8082A	02/01/2022 11:50	02/02/2022 14:32	7
T2202342002	SB-2 @ 0-6"	SO	SW-846 8260B	02/01/2022 11:50	02/02/2022 14:32	37
T2202342002	SB-2 @ 0-6"	SO	SW-846 8270C	02/01/2022 11:50	02/02/2022 14:32	59
T2202342002	SB-2 @ 0-6"	SO	SW-846 8270C (SIM)	02/01/2022 11:50	02/02/2022 14:32	18
T2202342003	SB-3 @ 0-6"	SO	EPA 8081	02/01/2022 12:15	02/02/2022 14:32	19
T2202342003	SB-3 @ 0-6"	SO	FL-PRO	02/01/2022 12:15	02/02/2022 14:32	1
T2202342003	SB-3 @ 0-6"	SO	SM 2540G	02/01/2022 12:15	02/02/2022 14:32	1
T2202342003	SB-3 @ 0-6"	SO	SW-846 6010	02/01/2022 12:15	02/02/2022 14:32	4
T2202342003	SB-3 @ 0-6"	SO	SW-846 8082A	02/01/2022 12:15	02/02/2022 14:32	7
T2202342003	SB-3 @ 0-6"	SO	SW-846 8260B	02/01/2022 12:15	02/02/2022 14:32	37
T2202342003	SB-3 @ 0-6"	SO	SW-846 8270C	02/01/2022 12:15	02/02/2022 14:32	59
T2202342003	SB-3 @ 0-6"	SO	SW-846 8270C (SIM)	02/01/2022 12:15	02/02/2022 14:32	18
T2202342004	SB-4 @ 0-6"	SO	EPA 8081	02/01/2022 13:25	02/02/2022 14:32	19
T2202342004	SB-4 @ 0-6"	SO	FL-PRO	02/01/2022 13:25	02/02/2022 14:32	1
T2202342004	SB-4 @ 0-6"	SO	SM 2540G	02/01/2022 13:25	02/02/2022 14:32	1
T2202342004	SB-4 @ 0-6"	SO	SW-846 6010	02/01/2022 13:25	02/02/2022 14:32	4
T2202342004	SB-4 @ 0-6"	SO	SW-846 8082A	02/01/2022 13:25	02/02/2022 14:32	7
T2202342004	SB-4 @ 0-6"	SO	SW-846 8260B	02/01/2022 13:25	02/02/2022 14:32	37
T2202342004	SB-4 @ 0-6"	SO	SW-846 8270C	02/01/2022 13:25	02/02/2022 14:32	59
T2202342004	SB-4 @ 0-6"	SO	SW-846 8270C (SIM)	02/01/2022 13:25	02/02/2022 14:32	18
T2202342005	SB-5 @ 0-6"	SO	EPA 8081	02/02/2022 10:20	02/02/2022 14:32	19
T2202342005	SB-5 @ 0-6"	SO	FL-PRO	02/02/2022 10:20	02/02/2022 14:32	1
T2202342005	SB-5 @ 0-6"	SO	SM 2540G	02/02/2022 10:20	02/02/2022 14:32	1

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported
T2202342005	SB-5 @ 0-6"	SO	SW-846 6010	02/02/2022 10:20	02/02/2022 14:32	4
T2202342005	SB-5 @ 0-6"	SO	SW-846 8082A	02/02/2022 10:20	02/02/2022 14:32	7
T2202342005	SB-5 @ 0-6"	SO	SW-846 8260B	02/02/2022 10:20	02/02/2022 14:32	37
T2202342005	SB-5 @ 0-6"	SO	SW-846 8270C	02/02/2022 10:20	02/02/2022 14:32	59
T2202342005	SB-5 @ 0-6"	SO	SW-846 8270C (SIM)	02/02/2022 10:20	02/02/2022 14:32	18
T2202342006	SB-6 @ 0-6"	SO	EPA 8081	02/02/2022 10:50	02/02/2022 14:32	19
T2202342006	SB-6 @ 0-6"	SO	FL-PRO	02/02/2022 10:50	02/02/2022 14:32	1
T2202342006	SB-6 @ 0-6"	SO	SM 2540G	02/02/2022 10:50	02/02/2022 14:32	1
T2202342006	SB-6 @ 0-6"	SO	SW-846 6010	02/02/2022 10:50	02/02/2022 14:32	4
T2202342006	SB-6 @ 0-6"	SO	SW-846 8082A	02/02/2022 10:50	02/02/2022 14:32	7
T2202342006	SB-6 @ 0-6"	SO	SW-846 8260B	02/02/2022 10:50	02/02/2022 14:32	37
T2202342006	SB-6 @ 0-6"	SO	SW-846 8270C	02/02/2022 10:50	02/02/2022 14:32	59
T2202342006	SB-6 @ 0-6"	SO	SW-846 8270C (SIM)	02/02/2022 10:50	02/02/2022 14:32	18
T2202342007	SB-7 @ 0-6"	SO	EPA 8081	02/02/2022 11:15	02/02/2022 14:32	19
T2202342007	SB-7 @ 0-6"	SO	FL-PRO	02/02/2022 11:15	02/02/2022 14:32	1
T2202342007	SB-7 @ 0-6"	SO	SM 2540G	02/02/2022 11:15	02/02/2022 14:32	1
T2202342007	SB-7 @ 0-6"	SO	SW-846 6010	02/02/2022 11:15	02/02/2022 14:32	4
T2202342007	SB-7 @ 0-6"	SO	SW-846 8082A	02/02/2022 11:15	02/02/2022 14:32	7
T2202342007	SB-7 @ 0-6"	SO	SW-846 8260B	02/02/2022 11:15	02/02/2022 14:32	37
T2202342007	SB-7 @ 0-6"	SO	SW-846 8270C	02/02/2022 11:15	02/02/2022 14:32	59
T2202342007	SB-7 @ 0-6"	SO	SW-846 8270C (SIM)	02/02/2022 11:15	02/02/2022 14:32	18
T2202342008	SB-8 @ 0-6"	SO	EPA 8081	02/02/2022 11:35	02/02/2022 14:32	19
T2202342008	SB-8 @ 0-6"	SO	FL-PRO	02/02/2022 11:35	02/02/2022 14:32	1
T2202342008	SB-8 @ 0-6"	SO	SM 2540G	02/02/2022 11:35	02/02/2022 14:32	1
T2202342008	SB-8 @ 0-6"	SO	SW-846 6010	02/02/2022 11:35	02/02/2022 14:32	4
T2202342008	SB-8 @ 0-6"	SO	SW-846 8082A	02/02/2022 11:35	02/02/2022 14:32	7
T2202342008	SB-8 @ 0-6"	SO	SW-846 8260B	02/02/2022 11:35	02/02/2022 14:32	37
T2202342008	SB-8 @ 0-6"	SO	SW-846 8270C	02/02/2022 11:35	02/02/2022 14:32	59
T2202342008	SB-8 @ 0-6"	SO	SW-846 8270C (SIM)	02/02/2022 11:35	02/02/2022 14:32	18
T2202342009	SB-9 @ 0-6"	SO	EPA 8081	02/02/2022 11:50	02/02/2022 14:32	19
T2202342009	SB-9 @ 0-6"	SO	FL-PRO	02/02/2022 11:50	02/02/2022 14:32	1
T2202342009	SB-9 @ 0-6"	SO	SM 2540G	02/02/2022 11:50	02/02/2022 14:32	1
T2202342009	SB-9 @ 0-6"	SO	SW-846 6010	02/02/2022 11:50	02/02/2022 14:32	4
T2202342009	SB-9 @ 0-6"	SO	SW-846 8082A	02/02/2022 11:50	02/02/2022 14:32	7
T2202342009	SB-9 @ 0-6"	SO	SW-846 8260B	02/02/2022 11:50	02/02/2022 14:32	37

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported
T2202342009	SB-9 @ 0-6"	SO	SW-846 8270C	02/02/2022 11:50	02/02/2022 14:32	59
T2202342009	SB-9 @ 0-6"	SO	SW-846 8270C (SIM)	02/02/2022 11:50	02/02/2022 14:32	18
T2202342010	SB-10 @ 0-6"	SO	EPA 8081	02/02/2022 12:10	02/02/2022 14:32	19
T2202342010	SB-10 @ 0-6"	SO	FL-PRO	02/02/2022 12:10	02/02/2022 14:32	1
T2202342010	SB-10 @ 0-6"	SO	SM 2540G	02/02/2022 12:10	02/02/2022 14:32	1
T2202342010	SB-10 @ 0-6"	SO	SW-846 6010	02/02/2022 12:10	02/02/2022 14:32	4
T2202342010	SB-10 @ 0-6"	SO	SW-846 8082A	02/02/2022 12:10	02/02/2022 14:32	7
T2202342010	SB-10 @ 0-6"	SO	SW-846 8260B	02/02/2022 12:10	02/02/2022 14:32	37
T2202342010	SB-10 @ 0-6"	SO	SW-846 8270C	02/02/2022 12:10	02/02/2022 14:32	59
T2202342010	SB-10 @ 0-6"	SO	SW-846 8270C (SIM)	02/02/2022 12:10	02/02/2022 14:32	18
T2202342011	SB-11 @ 0-6"	SO	EPA 8081	02/02/2022 12:25	02/02/2022 14:32	19
T2202342011	SB-11 @ 0-6"	SO	FL-PRO	02/02/2022 12:25	02/02/2022 14:32	1
T2202342011	SB-11 @ 0-6"	SO	SM 2540G	02/02/2022 12:25	02/02/2022 14:32	1
T2202342011	SB-11 @ 0-6"	SO	SW-846 6010	02/02/2022 12:25	02/02/2022 14:32	4
T2202342011	SB-11 @ 0-6"	SO	SW-846 8082A	02/02/2022 12:25	02/02/2022 14:32	7
T2202342011	SB-11 @ 0-6"	SO	SW-846 8260B	02/02/2022 12:25	02/02/2022 14:32	37
T2202342011	SB-11 @ 0-6"	SO	SW-846 8270C	02/02/2022 12:25	02/02/2022 14:32	59
T2202342011	SB-11 @ 0-6"	SO	SW-846 8270C (SIM)	02/02/2022 12:25	02/02/2022 14:32	18
T2202342012	SB-12 @ 0-6"	SO	EPA 8081	02/02/2022 12:45	02/02/2022 14:32	19
T2202342012	SB-12 @ 0-6"	SO	FL-PRO	02/02/2022 12:45	02/02/2022 14:32	1
T2202342012	SB-12 @ 0-6"	SO	SM 2540G	02/02/2022 12:45	02/02/2022 14:32	1
T2202342012	SB-12 @ 0-6"	SO	SW-846 6010	02/02/2022 12:45	02/02/2022 14:32	4
T2202342012	SB-12 @ 0-6"	SO	SW-846 8082A	02/02/2022 12:45	02/02/2022 14:32	7
T2202342012	SB-12 @ 0-6"	SO	SW-846 8260B	02/02/2022 12:45	02/02/2022 14:32	37
T2202342012	SB-12 @ 0-6"	SO	SW-846 8270C	02/02/2022 12:45	02/02/2022 14:32	59
T2202342012	SB-12 @ 0-6"	SO	SW-846 8270C (SIM)	02/02/2022 12:45	02/02/2022 14:32	18
T2202342013	SB-13 @ 0-6"	SO	EPA 8081	02/02/2022 12:55	02/02/2022 14:32	19
T2202342013	SB-13 @ 0-6"	SO	FL-PRO	02/02/2022 12:55	02/02/2022 14:32	1
T2202342013	SB-13 @ 0-6"	SO	SM 2540G	02/02/2022 12:55	02/02/2022 14:32	1
T2202342013	SB-13 @ 0-6"	SO	SW-846 6010	02/02/2022 12:55	02/02/2022 14:32	4
T2202342013	SB-13 @ 0-6"	SO	SW-846 8082A	02/02/2022 12:55	02/02/2022 14:32	7
T2202342013	SB-13 @ 0-6"	SO	SW-846 8260B	02/02/2022 12:55	02/02/2022 14:32	37
T2202342013	SB-13 @ 0-6"	SO	SW-846 8270C	02/02/2022 12:55	02/02/2022 14:32	59
T2202342013	SB-13 @ 0-6"	SO	SW-846 8270C (SIM)	02/02/2022 12:55	02/02/2022 14:32	18
T2202342014	SB-14 @ 0-6"	SO	EPA 8081	02/02/2022 13:15	02/02/2022 14:32	19

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported
T2202342014	SB-14 @ 0-6"	SO	FL-PRO	02/02/2022 13:15	02/02/2022 14:32	1
T2202342014	SB-14 @ 0-6"	SO	SM 2540G	02/02/2022 13:15	02/02/2022 14:32	1
T2202342014	SB-14 @ 0-6"	SO	SW-846 6010	02/02/2022 13:15	02/02/2022 14:32	4
T2202342014	SB-14 @ 0-6"	SO	SW-846 8082A	02/02/2022 13:15	02/02/2022 14:32	7
T2202342014	SB-14 @ 0-6"	SO	SW-846 8260B	02/02/2022 13:15	02/02/2022 14:32	37
T2202342014	SB-14 @ 0-6"	SO	SW-846 8270C	02/02/2022 13:15	02/02/2022 14:32	59
T2202342014	SB-14 @ 0-6"	SO	SW-846 8270C (SIM)	02/02/2022 13:15	02/02/2022 14:32	18
T2202342015	SB-15 @ 0-6"	SO	EPA 8081	02/02/2022 13:35	02/02/2022 14:32	19
T2202342015	SB-15 @ 0-6"	SO	FL-PRO	02/02/2022 13:35	02/02/2022 14:32	1
T2202342015	SB-15 @ 0-6"	SO	SM 2540G	02/02/2022 13:35	02/02/2022 14:32	1
T2202342015	SB-15 @ 0-6"	SO	SW-846 6010	02/02/2022 13:35	02/02/2022 14:32	5
T2202342015	SB-15 @ 0-6"	SO	SW-846 8082A	02/02/2022 13:35	02/02/2022 14:32	7
T2202342015	SB-15 @ 0-6"	SO	SW-846 8260B	02/02/2022 13:35	02/02/2022 14:32	37
T2202342015	SB-15 @ 0-6"	SO	SW-846 8270C	02/02/2022 13:35	02/02/2022 14:32	59
T2202342015	SB-15 @ 0-6"	SO	SW-846 8270C (SIM)	02/02/2022 13:35	02/02/2022 14:32	18
T2202342016	SB-16 @ 0-6"	SO	EPA 8081	02/02/2022 13:55	02/02/2022 14:32	19
T2202342016	SB-16 @ 0-6"	SO	FL-PRO	02/02/2022 13:55	02/02/2022 14:32	1
T2202342016	SB-16 @ 0-6"	SO	SM 2540G	02/02/2022 13:55	02/02/2022 14:32	1
T2202342016	SB-16 @ 0-6"	SO	SW-846 6010	02/02/2022 13:55	02/02/2022 14:32	4
T2202342016	SB-16 @ 0-6"	SO	SW-846 8082A	02/02/2022 13:55	02/02/2022 14:32	7
T2202342016	SB-16 @ 0-6"	SO	SW-846 8260B	02/02/2022 13:55	02/02/2022 14:32	37
T2202342016	SB-16 @ 0-6"	SO	SW-846 8270C	02/02/2022 13:55	02/02/2022 14:32	59
T2202342016	SB-16 @ 0-6"	SO	SW-846 8270C (SIM)	02/02/2022 13:55	02/02/2022 14:32	18

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

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.
J4	Estimated Result

Lab Qualifiers

M	DOH Certification #E82535 (FL NELAC) AEL-Miami
T^	Not Certified
T	DOH Certification #E84589 (FL NELAC) AEL-Tampa

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342001 **Date Collected:** 02/01/2022 11:34 **Matrix:** Soil
Sample ID: SB-1 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**0.62**	mg/Kg	0.26	0.13	1	02/08/2022 11:00	02/08/2022 18:55	T
Cadmium	**0.034 I**	mg/Kg	0.052	0.026	1	02/08/2022 11:00	02/08/2022 18:55	T
Chromium	**11**	mg/Kg	0.26	0.21	1	02/08/2022 11:00	02/08/2022 18:55	T
Lead	**11**	mg/Kg	0.26	0.13	1	02/08/2022 11:00	02/08/2022 18:55	T
SEMIVOLATILES (FL-PRO)								
TPH	**6.3 I**	mg/Kg	14	5.1	1	02/03/2022 13:00	02/04/2022 00:23	T
SEMIVOLATILES (SW-846 3550B/EPA 8081)								
4,4`-DDD	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
4,4`-DDE	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
4,4`-DDT	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Aldrin	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Chlordane (technical)	0.0094 U	mg/Kg	0.032	0.0094	1	02/04/2022 09:30	02/04/2022 00:00	M
Dieldrin	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Endosulfan I	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Endosulfan II	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Endosulfan Sulfate	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Endrin	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Endrin Aldehyde	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Heptachlor	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Heptachlor Epoxide	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Methoxychlor	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Toxaphene	0.010 U	mg/Kg	0.032	0.010	1	02/04/2022 09:30	02/04/2022 00:00	M
alpha-BHC	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
beta-BHC	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
delta-BHC	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
gamma-BHC (Lindane)	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
SEMIVOLATILES (SW-846 3550B/SW-846 8082A)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342001 **Date Collected:** 02/01/2022 11:34 **Matrix:** Soil
Sample ID: SB-1 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Aroclor 1016 (PCB-1016)	0.019 U	mg/Kg	0.032	0.019	1	02/04/2022 12:35	02/04/2022 16:37	M
Aroclor 1221 (PCB-1221)	0.022 U	mg/Kg	0.032	0.022	1	02/04/2022 12:35	02/04/2022 16:37	M
Aroclor 1232 (PCB-1232)	0.030 U	mg/Kg	0.032	0.030	1	02/04/2022 12:35	02/04/2022 16:37	M
Aroclor 1242 (PCB-1242)	0.024 U	mg/Kg	0.032	0.024	1	02/04/2022 12:35	02/04/2022 16:37	M
Aroclor 1248 (PCB-1248)	0.011 U	mg/Kg	0.032	0.011	1	02/04/2022 12:35	02/04/2022 16:37	M
Aroclor 1254 (PCB-1254)	0.0063 U	mg/Kg	0.032	0.0063	1	02/04/2022 12:35	02/04/2022 16:37	M
Aroclor 1260 (PCB-1260)	0.038 U	mg/Kg	0.063	0.038	1	02/04/2022 12:35	02/04/2022 16:37	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	**0.011**	mg/Kg	0.0085	0.0016	1	02/03/2022 13:00	02/07/2022 02:49	T
2-Methylnaphthalene	**0.020**	mg/Kg	0.0085	0.0021	1	02/03/2022 13:00	02/07/2022 02:49	T
Acenaphthene	0.0016 U	mg/Kg	0.0085	0.0016	1	02/03/2022 13:00	02/07/2022 02:49	T
Acenaphthylene	**0.0041 I**	mg/Kg	0.0085	0.0018	1	02/03/2022 13:00	02/07/2022 02:49	T
Anthracene	**0.0041 I**	mg/Kg	0.0085	0.0026	1	02/03/2022 13:00	02/07/2022 02:49	T
Benzo[a]anthracene	**0.0050 I**	mg/Kg	0.0085	0.0021	1	02/03/2022 13:00	02/07/2022 02:49	T
Benzo[a]pyrene	**0.0093**	mg/Kg	0.0085	0.0017	1	02/03/2022 13:00	02/07/2022 02:49	T
Benzo[b]fluoranthene	**0.017**	mg/Kg	0.0085	0.0016	1	02/03/2022 13:00	02/07/2022 02:49	T
Benzo[g,h,i]perylene	**0.012**	mg/Kg	0.0085	0.0020	1	02/03/2022 13:00	02/07/2022 02:49	T
Benzo[k]fluoranthene	**0.0065 I**	mg/Kg	0.0085	0.0024	1	02/03/2022 13:00	02/07/2022 02:49	T
Chrysene	**0.0058 I**	mg/Kg	0.0085	0.0030	1	02/03/2022 13:00	02/07/2022 02:49	T
Dibenzo[a,h]anthracene	**0.0031 I**	mg/Kg	0.0085	0.0017	1	02/03/2022 13:00	02/07/2022 02:49	T
Fluoranthene	**0.0047 I**	mg/Kg	0.0085	0.0029	1	02/03/2022 13:00	02/07/2022 02:49	T
Fluorene	0.0022 U	mg/Kg	0.0085	0.0022	1	02/03/2022 13:00	02/07/2022 02:49	T
Indeno(1,2,3-cd)pyrene	**0.011**	mg/Kg	0.0085	0.0024	1	02/03/2022 13:00	02/07/2022 02:49	T
Naphthalene	**0.018**	mg/Kg	0.0085	0.0017	1	02/03/2022 13:00	02/07/2022 02:49	T
Phenanthrene	**0.0030 I**	mg/Kg	0.0085	0.0022	1	02/03/2022 13:00	02/07/2022 02:49	T
Pyrene	**0.0082 I**	mg/Kg	0.0085	0.0024	1	02/03/2022 13:00	02/07/2022 02:49	T
SEMIVOLATILES (SW-846 3550B/SW-846 8270C)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342001 **Date Collected:** 02/01/2022 11:34 **Matrix:** Soil
Sample ID: SB-1 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,2,4-Trichlorobenzene	0.032 U	mg/Kg	0.22	0.032	1	02/04/2022 15:45	02/06/2022 18:30	T
1,2-Dichlorobenzene	0.044 U	mg/Kg	0.22	0.044	1	02/04/2022 15:45	02/06/2022 18:30	T
1,2-Diphenylhydrazine	0.083 U	mg/Kg	0.22	0.083	1	02/04/2022 15:45	02/06/2022 18:30	T
1,3-Dichlorobenzene	0.023 U	mg/Kg	0.22	0.023	1	02/04/2022 15:45	02/06/2022 18:30	T
1,4-Dichlorobenzene	0.048 U	mg/Kg	0.22	0.048	1	02/04/2022 15:45	02/06/2022 18:30	T
1-Methylnaphthalene	0.0042 U	mg/Kg	0.22	0.0042	1	02/04/2022 15:45	02/06/2022 18:30	T
2,4,6-Trichlorophenol	0.040 U	mg/Kg	0.22	0.040	1	02/04/2022 15:45	02/06/2022 18:30	T
2,4-Dichlorophenol	0.046 U	mg/Kg	0.22	0.046	1	02/04/2022 15:45	02/06/2022 18:30	T
2,4-Dimethylphenol	0.046 U	mg/Kg	0.22	0.046	1	02/04/2022 15:45	02/06/2022 18:30	T
2,4-Dinitrophenol	0.13 U	mg/Kg	0.22	0.13	1	02/04/2022 15:45	02/06/2022 18:30	T
2,4-Dinitrotoluene (2,4-DNT)	0.068 U	mg/Kg	0.22	0.068	1	02/04/2022 15:45	02/06/2022 18:30	T
2,6-Dinitrotoluene (2,6-DNT)	0.054 U	mg/Kg	0.22	0.054	1	02/04/2022 15:45	02/06/2022 18:30	T
2-Chloronaphthalene	0.042 U	mg/Kg	0.22	0.042	1	02/04/2022 15:45	02/06/2022 18:30	T
2-Chlorophenol	0.038 U	mg/Kg	0.22	0.038	1	02/04/2022 15:45	02/06/2022 18:30	T
2-Methyl-4,6-dinitrophenol	0.048 U	mg/Kg	0.22	0.048	1	02/04/2022 15:45	02/06/2022 18:30	T
2-Methylnaphthalene	0.0051 U	mg/Kg	0.22	0.0051	1	02/04/2022 15:45	02/06/2022 18:30	T
2-Nitrophenol	0.048 U	mg/Kg	0.22	0.048	1	02/04/2022 15:45	02/06/2022 18:30	T
3,3`-Dichlorobenzidine	0.029 U	mg/Kg	0.22	0.029	1	02/04/2022 15:45	02/06/2022 18:30	T
4-Bromophenyl Phenyl Ether	0.055 U	mg/Kg	0.22	0.055	1	02/04/2022 15:45	02/06/2022 18:30	T
4-Chloro-3-methylphenol	0.046 U	mg/Kg	0.22	0.046	1	02/04/2022 15:45	02/06/2022 18:30	T
4-Chlorophenyl Phenyl Ether	0.047 U	mg/Kg	0.22	0.047	1	02/04/2022 15:45	02/06/2022 18:30	T
4-Nitrophenol	0.061 U	mg/Kg	0.22	0.061	1	02/04/2022 15:45	02/06/2022 18:30	T
Acenaphthene	0.0049 U	mg/Kg	0.22	0.0049	1	02/04/2022 15:45	02/06/2022 18:30	T
Acenaphthylene	0.0055 U	mg/Kg	0.22	0.0055	1	02/04/2022 15:45	02/06/2022 18:30	T
Anthracene	0.0054 U	mg/Kg	0.22	0.0054	1	02/04/2022 15:45	02/06/2022 18:30	T
Benzidine	0.043 U	mg/Kg	0.22	0.043	1	02/04/2022 15:45	02/06/2022 18:30	T
Benzo[a]anthracene	0.0049 U	mg/Kg	0.22	0.0049	1	02/04/2022 15:45	02/06/2022 18:30	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342001 **Date Collected:** 02/01/2022 11:34 **Matrix:** Soil
Sample ID: SB-1 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[a]pyrene	**0.013 I**	mg/Kg	0.22	0.0046	1	02/04/2022 15:45	02/06/2022 18:30	T
Benzo[b]fluoranthene	**0.022 I**	mg/Kg	0.22	0.0069	1	02/04/2022 15:45	02/06/2022 18:30	T
Benzo[g,h,i]perylene	**0.014 I**	mg/Kg	0.22	0.0040	1	02/04/2022 15:45	02/06/2022 18:30	T
Benzo[k]fluoranthene	0.0072 U	mg/Kg	0.22	0.0072	1	02/04/2022 15:45	02/06/2022 18:30	T
Butyl benzyl phthalate	0.030 U	mg/Kg	0.22	0.030	1	02/04/2022 15:45	02/06/2022 18:30	T
Chrysene	**0.0077 I**	mg/Kg	0.22	0.0055	1	02/04/2022 15:45	02/06/2022 18:30	T
Di-n-Butyl Phthalate	0.045 U	mg/Kg	0.22	0.045	1	02/04/2022 15:45	02/06/2022 18:30	T
Di-n-octyl Phthalate	0.028 U	mg/Kg	0.22	0.028	1	02/04/2022 15:45	02/06/2022 18:30	T
Dibenzo[a,h]anthracene	0.0041 U	mg/Kg	0.22	0.0041	1	02/04/2022 15:45	02/06/2022 18:30	T
Diethyl phthalate	0.042 U	mg/Kg	0.22	0.042	1	02/04/2022 15:45	02/06/2022 18:30	T
Dimethyl phthalate	0.040 U	mg/Kg	0.22	0.040	1	02/04/2022 15:45	02/06/2022 18:30	T
Fluoranthene	0.052 U	mg/Kg	0.22	0.052	1	02/04/2022 15:45	02/06/2022 18:30	T
Fluorene	0.0048 U	mg/Kg	0.22	0.0048	1	02/04/2022 15:45	02/06/2022 18:30	T
Hexachlorobenzene	0.063 U	mg/Kg	0.22	0.063	1	02/04/2022 15:45	02/06/2022 18:30	T
Hexachlorobutadiene	0.035 U	mg/Kg	0.22	0.035	1	02/04/2022 15:45	02/06/2022 18:30	T
Hexachlorocyclopentadiene	0.036 U	mg/Kg	0.22	0.036	1	02/04/2022 15:45	02/06/2022 18:30	T
Hexachloroethane	0.030 U	mg/Kg	0.22	0.030	1	02/04/2022 15:45	02/06/2022 18:30	T
Indeno(1,2,3-cd)pyrene	**0.012 I**	mg/Kg	0.22	0.0043	1	02/04/2022 15:45	02/06/2022 18:30	T
Isophorone	0.024 U	mg/Kg	0.22	0.024	1	02/04/2022 15:45	02/06/2022 18:30	T
N-Nitrosodi-n-propylamine	0.038 U	mg/Kg	0.22	0.038	1	02/04/2022 15:45	02/06/2022 18:30	T
N-Nitrosodimethylamine	0.0097 U	mg/Kg	0.22	0.0097	1	02/04/2022 15:45	02/06/2022 18:30	T
N-Nitrosodiphenylamine	0.028 U	mg/Kg	0.22	0.028	1	02/04/2022 15:45	02/06/2022 18:30	T
Naphthalene	0.0052 U	mg/Kg	0.22	0.0052	1	02/04/2022 15:45	02/06/2022 18:30	T
Nitrobenzene	0.052 U	mg/Kg	0.22	0.052	1	02/04/2022 15:45	02/06/2022 18:30	T
Pentachlorophenol	0.072 U	mg/Kg	0.22	0.072	1	02/04/2022 15:45	02/06/2022 18:30	T
Phenanthrene	0.0061 U	mg/Kg	0.22	0.0061	1	02/04/2022 15:45	02/06/2022 18:30	T
Phenol	0.042 U	mg/Kg	0.22	0.042	1	02/04/2022 15:45	02/06/2022 18:30	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342001 **Date Collected:** 02/01/2022 11:34 **Matrix:** Soil
Sample ID: SB-1 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	**0.0092 I**	mg/Kg	0.22	0.0047	1	02/04/2022 15:45	02/06/2022 18:30	T
bis(2-Chloroethoxy)methane	0.032 U	mg/Kg	0.22	0.032	1	02/04/2022 15:45	02/06/2022 18:30	T
bis(2-Chloroethyl)Ether	0.044 U	mg/Kg	0.22	0.044	1	02/04/2022 15:45	02/06/2022 18:30	T
bis(2-Chloroisopropyl) Ether	0.039 U	mg/Kg	0.22	0.039	1	02/04/2022 15:45	02/06/2022 18:30	T
bis(2-Ethylhexyl) phthalate	0.034 U	mg/Kg	0.22	0.034	1	02/04/2022 15:45	02/06/2022 18:30	T
(SM 2540G)								
Percent Moisture	**7**	%	0.001	0.0010	1	02/03/2022 11:40	02/03/2022 11:40	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1-Trichloroethane	0.00064 U	mg/Kg	0.0028	0.00064	1	02/05/2022 02:27	02/05/2022 10:13	T
1,1,2,2-Tetrachloroethane	0.00047 U	mg/Kg	0.0028	0.00047	1	02/05/2022 02:27	02/05/2022 10:13	T
1,1,2-Trichloroethane	0.00045 U	mg/Kg	0.0028	0.00045	1	02/05/2022 02:27	02/05/2022 10:13	T
1,1-Dichloroethane	0.00065 U	mg/Kg	0.0028	0.00065	1	02/05/2022 02:27	02/05/2022 10:13	T
1,1-Dichloroethylene	0.00067 U	mg/Kg	0.0028	0.00067	1	02/05/2022 02:27	02/05/2022 10:13	T
1,2-Dichlorobenzene	0.00044 U	mg/Kg	0.0028	0.00044	1	02/05/2022 02:27	02/05/2022 10:13	T
1,2-Dichloroethane	0.00072 U	mg/Kg	0.0028	0.00072	1	02/05/2022 02:27	02/05/2022 10:13	T
1,2-Dichloropropane	0.00049 U	mg/Kg	0.0028	0.00049	1	02/05/2022 02:27	02/05/2022 10:13	T
1,3-Dichlorobenzene	0.00051 U	mg/Kg	0.0028	0.00051	1	02/05/2022 02:27	02/05/2022 10:13	T
1,4-Dichlorobenzene	0.00061 U	mg/Kg	0.0028	0.00061	1	02/05/2022 02:27	02/05/2022 10:13	T
2-Chloroethyl Vinyl Ether	0.0024 U	mg/Kg	0.0028	0.0024	1	02/05/2022 02:27	02/05/2022 10:13	T
Acrolein (Propenal)	0.0057 U	mg/Kg	0.014	0.0057	1	02/05/2022 02:27	02/05/2022 10:13	T
Acrylonitrile	0.00048 U	mg/Kg	0.0028	0.00048	1	02/05/2022 02:27	02/05/2022 10:13	T
Benzene	0.00046 U	mg/Kg	0.0028	0.00046	1	02/05/2022 02:27	02/05/2022 10:13	T
Bromodichloromethane	0.00049 U	mg/Kg	0.0028	0.00049	1	02/05/2022 02:27	02/05/2022 10:13	T
Bromoform	0.0018 U	mg/Kg	0.0028	0.0018	1	02/05/2022 02:27	02/05/2022 10:13	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342001 **Date Collected:** 02/01/2022 11:34 **Matrix:** Soil
Sample ID: SB-1 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Bromomethane	0.0011 U	mg/Kg	0.0028	0.0011	1	02/05/2022 02:27	02/05/2022 10:13	T
Carbon Tetrachloride	0.00078 U	mg/Kg	0.0028	0.00078	1	02/05/2022 02:27	02/05/2022 10:13	T
Chlorobenzene	0.00041 U	mg/Kg	0.0028	0.00041	1	02/05/2022 02:27	02/05/2022 10:13	T
Chloroethane	0.0014 U	mg/Kg	0.0028	0.0014	1	02/05/2022 02:27	02/05/2022 10:13	T
Chloroform	0.00056 U	mg/Kg	0.0028	0.00056	1	02/05/2022 02:27	02/05/2022 10:13	T
Chloromethane	0.00063 U	mg/Kg	0.0028	0.00063	1	02/05/2022 02:27	02/05/2022 10:13	T
Dibromochloromethane	0.0016 U	mg/Kg	0.0028	0.0016	1	02/05/2022 02:27	02/05/2022 10:13	T
Dichlorodifluoromethane	0.00094 U	mg/Kg	0.0028	0.00094	1	02/05/2022 02:27	02/05/2022 10:13	T
Ethylbenzene	0.00033 U	mg/Kg	0.0028	0.00033	1	02/05/2022 02:27	02/05/2022 10:13	T
Methyl tert-butyl Ether (MTBE)	0.00091 U	mg/Kg	0.0028	0.00091	1	02/05/2022 02:27	02/05/2022 10:13	T
Methylene Chloride	0.0037 U	mg/Kg	0.0046	0.0037	1	02/05/2022 02:27	02/05/2022 10:13	T
Tetrachloroethylene (PCE)	0.00052 U	mg/Kg	0.0028	0.00052	1	02/05/2022 02:27	02/05/2022 10:13	T
Toluene	0.00034 U	mg/Kg	0.0028	0.00034	1	02/05/2022 02:27	02/05/2022 10:13	T
Trichloroethene	0.00068 U	mg/Kg	0.0028	0.00068	1	02/05/2022 02:27	02/05/2022 10:13	T
Trichlorofluoromethane	0.00061 U	mg/Kg	0.0028	0.00061	1	02/05/2022 02:27	02/05/2022 10:13	T
Vinyl Chloride	0.00053 U	mg/Kg	0.0028	0.00053	1	02/05/2022 02:27	02/05/2022 10:13	T
Xylene (Total)	0.0012 U	mg/Kg	0.0055	0.0012	1	02/05/2022 02:27	02/05/2022 10:13	T
cis-1,2-Dichloroethylene	0.00054 U	mg/Kg	0.0028	0.00054	1	02/05/2022 02:27	02/05/2022 10:13	T
cis-1,3-Dichloropropene	0.0020 U	mg/Kg	0.0028	0.0020	1	02/05/2022 02:27	02/05/2022 10:13	T
trans-1,2-Dichloroethylene	0.00056 U	mg/Kg	0.0028	0.00056	1	02/05/2022 02:27	02/05/2022 10:13	T
trans-1,3-Dichloropropylene	0.0017 U	mg/Kg	0.0028	0.0017	1	02/05/2022 02:27	02/05/2022 10:13	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Analysis Results Comments

Decachlorobiphenyl

J4|Estimated Result

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	43	40	93	69 - 134	T
Toluene-d8 (S)	ug/Kg	43	41	97	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	43	46	107	79 - 126	T
2-Fluorobiphenyl (S)	mg/Kg	0.39	0.21	53	37 - 127	T
Nitrobenzene-d5 (S)	mg/Kg	0.39	0.27	69	33 - 134	T
p-Terphenyl-d14 (S)	mg/Kg	0.39	0.34	85	42 - 141	T
Nonatricontane-C39 (S)	mg/Kg	5.90	5	85	36 - 132	T
o-Terphenyl (S)	mg/Kg	2	1.50	75	66 - 136	T
Decachlorobiphenyl (S)	ug/Kg	73	34	**46**	63 - 130	M
Tetrachloro-m-xylene (S)	ug/Kg	150	120	85	42 - 129	M
2,4,6-Tribromophenol (S)	mg/Kg	2	2	102	39 - 132	T
Phenol-d6 (S)	mg/Kg	2	1.80	88	33 - 122	T
2-Fluorobiphenyl (S)	mg/Kg	2	1.70	83	44 - 115	T
2-Fluorophenol (S)	mg/Kg	2	1.80	92	35 - 115	T
Nitrobenzene-d5 (S)	mg/Kg	2	1.90	94	37 - 122	T
p-Terphenyl-d14 (S)	mg/Kg	2	1.90	97	54 - 127	T
Decachlorobiphenyl (S)	ug/Kg	73	34	**46**	61 - 147	M
Tetrachloro-m-xylene (S)	ug/Kg	150	120	85	44 - 130	M

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342002 **Date Collected:** 02/01/2022 11:50 **Matrix:** Soil
Sample ID: SB-2 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**5.8**	mg/Kg	0.28	0.14	1	02/08/2022 11:00	02/08/2022 19:09	T
Cadmium	**0.91**	mg/Kg	0.056	0.028	1	02/08/2022 11:00	02/08/2022 19:09	T
Chromium	**12**	mg/Kg	0.28	0.22	1	02/08/2022 11:00	02/08/2022 19:09	T
Lead	**72**	mg/Kg	0.28	0.14	1	02/08/2022 11:00	02/08/2022 19:09	T
SEMIVOLATILES (FL-PRO)								
TPH	**69**	mg/Kg	15	5.2	1	02/03/2022 13:00	02/04/2022 06:55	T
SEMIVOLATILES (SW-846 3550B/EPA 8081)								
4,4`-DDD	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
4,4`-DDE	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
4,4`-DDT	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Aldrin	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Chlordane (technical)	0.0094 U	mg/Kg	0.032	0.0094	1	02/04/2022 09:30	02/04/2022 00:00	M
Dieldrin	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Endosulfan I	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Endosulfan II	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Endosulfan Sulfate	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Endrin	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Endrin Aldehyde	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Heptachlor	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Heptachlor Epoxide	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Methoxychlor	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Toxaphene	0.010 U	mg/Kg	0.032	0.010	1	02/04/2022 09:30	02/04/2022 00:00	M
alpha-BHC	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
beta-BHC	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
delta-BHC	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
gamma-BHC (Lindane)	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
SEMIVOLATILES (SW-846 3550B/SW-846 8082A)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342002 **Date Collected:** 02/01/2022 11:50 **Matrix:** Soil
Sample ID: SB-2 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Aroclor 1016 (PCB-1016)	0.019 U	mg/Kg	0.032	0.019	1	02/04/2022 12:35	02/04/2022 16:59	M
Aroclor 1221 (PCB-1221)	0.022 U	mg/Kg	0.032	0.022	1	02/04/2022 12:35	02/04/2022 16:59	M
Aroclor 1232 (PCB-1232)	0.030 U	mg/Kg	0.032	0.030	1	02/04/2022 12:35	02/04/2022 16:59	M
Aroclor 1242 (PCB-1242)	0.024 U	mg/Kg	0.032	0.024	1	02/04/2022 12:35	02/04/2022 16:59	M
Aroclor 1248 (PCB-1248)	0.011 U	mg/Kg	0.032	0.011	1	02/04/2022 12:35	02/04/2022 16:59	M
Aroclor 1254 (PCB-1254)	0.0064 U	mg/Kg	0.032	0.0064	1	02/04/2022 12:35	02/04/2022 16:59	M
Aroclor 1260 (PCB-1260)	0.038 U	mg/Kg	0.064	0.038	1	02/04/2022 12:35	02/04/2022 16:59	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	**0.051**	mg/Kg	0.0087	0.0016	1	02/03/2022 13:00	02/05/2022 00:56	T
2-Methylnaphthalene	**0.058**	mg/Kg	0.0087	0.0021	1	02/03/2022 13:00	02/05/2022 00:56	T
Acenaphthene	**0.0070 I**	mg/Kg	0.0087	0.0016	1	02/03/2022 13:00	02/05/2022 00:56	T
Acenaphthylene	**0.27**	mg/Kg	0.0087	0.0019	1	02/03/2022 13:00	02/05/2022 00:56	T
Anthracene	**0.32**	mg/Kg	0.0087	0.0026	1	02/03/2022 13:00	02/05/2022 00:56	T
Benzo[a]anthracene	**0.39**	mg/Kg	0.0087	0.0021	1	02/03/2022 13:00	02/05/2022 00:56	T
Benzo[a]pyrene	**0.63**	mg/Kg	0.0087	0.0018	1	02/03/2022 13:00	02/05/2022 00:56	T
Benzo[b]fluoranthene	**1.2**	mg/Kg	0.0087	0.0017	1	02/03/2022 13:00	02/05/2022 00:56	T
Benzo[g,h,i]perylene	**0.62**	mg/Kg	0.0087	0.0020	1	02/03/2022 13:00	02/05/2022 00:56	T
Benzo[k]fluoranthene	**0.38**	mg/Kg	0.0087	0.0025	1	02/03/2022 13:00	02/05/2022 00:56	T
Chrysene	**0.40**	mg/Kg	0.0087	0.0031	1	02/03/2022 13:00	02/05/2022 00:56	T
Dibenzo[a,h]anthracene	**0.17**	mg/Kg	0.0087	0.0018	1	02/03/2022 13:00	02/05/2022 00:56	T
Fluoranthene	**0.32**	mg/Kg	0.0087	0.0029	1	02/03/2022 13:00	02/05/2022 00:56	T
Fluorene	**0.012**	mg/Kg	0.0087	0.0023	1	02/03/2022 13:00	02/05/2022 00:56	T
Indeno(1,2,3-cd)pyrene	**0.63**	mg/Kg	0.0087	0.0025	1	02/03/2022 13:00	02/05/2022 00:56	T
Naphthalene	**0.037**	mg/Kg	0.0087	0.0018	1	02/03/2022 13:00	02/05/2022 00:56	T
Phenanthrene	**0.088**	mg/Kg	0.0087	0.0023	1	02/03/2022 13:00	02/05/2022 00:56	T
Pyrene	**0.52**	mg/Kg	0.0087	0.0025	1	02/03/2022 13:00	02/05/2022 00:56	T
SEMIVOLATILES (SW-846 3550B/SW-846 8270C)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342002 **Date Collected:** 02/01/2022 11:50 **Matrix:** Soil
Sample ID: SB-2 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,2,4-Trichlorobenzene	0.032 U	mg/Kg	0.22	0.032	1	02/04/2022 15:45	02/07/2022 07:43	T
1,2-Dichlorobenzene	0.044 U	mg/Kg	0.22	0.044	1	02/04/2022 15:45	02/07/2022 07:43	T
1,2-Diphenylhydrazine	0.084 U	mg/Kg	0.22	0.084	1	02/04/2022 15:45	02/07/2022 07:43	T
1,3-Dichlorobenzene	0.023 U	mg/Kg	0.22	0.023	1	02/04/2022 15:45	02/07/2022 07:43	T
1,4-Dichlorobenzene	0.049 U	mg/Kg	0.22	0.049	1	02/04/2022 15:45	02/07/2022 07:43	T
1-Methylnaphthalene	**0.036 I**	mg/Kg	0.22	0.0042	1	02/04/2022 15:45	02/07/2022 07:43	T
2,4,6-Trichlorophenol	0.041 U	mg/Kg	0.22	0.041	1	02/04/2022 15:45	02/07/2022 07:43	T
2,4-Dichlorophenol	0.046 U	mg/Kg	0.22	0.046	1	02/04/2022 15:45	02/07/2022 07:43	T
2,4-Dimethylphenol	0.046 U	mg/Kg	0.22	0.046	1	02/04/2022 15:45	02/07/2022 07:43	T
2,4-Dinitrophenol	0.13 U	mg/Kg	0.22	0.13	1	02/04/2022 15:45	02/07/2022 07:43	T
2,4-Dinitrotoluene (2,4-DNT)	0.069 U	mg/Kg	0.22	0.069	1	02/04/2022 15:45	02/07/2022 07:43	T
2,6-Dinitrotoluene (2,6-DNT)	0.055 U	mg/Kg	0.22	0.055	1	02/04/2022 15:45	02/07/2022 07:43	T
2-Chloronaphthalene	0.042 U	mg/Kg	0.22	0.042	1	02/04/2022 15:45	02/08/2022 08:36	T
2-Chlorophenol	0.039 U	mg/Kg	0.22	0.039	1	02/04/2022 15:45	02/07/2022 07:43	T
2-Methyl-4,6-dinitrophenol	0.049 U	mg/Kg	0.22	0.049	1	02/04/2022 15:45	02/07/2022 07:43	T
2-Methylnaphthalene	**0.034 I**	mg/Kg	0.22	0.0052	1	02/04/2022 15:45	02/07/2022 07:43	T
2-Nitrophenol	0.048 U	mg/Kg	0.22	0.048	1	02/04/2022 15:45	02/07/2022 07:43	T
3,3`-Dichlorobenzidine	0.030 U	mg/Kg	0.22	0.030	1	02/04/2022 15:45	02/07/2022 07:43	T
4-Bromophenyl Phenyl Ether	0.056 U	mg/Kg	0.22	0.056	1	02/04/2022 15:45	02/07/2022 07:43	T
4-Chloro-3-methylphenol	0.046 U	mg/Kg	0.22	0.046	1	02/04/2022 15:45	02/07/2022 07:43	T
4-Chlorophenyl Phenyl Ether	0.048 U	mg/Kg	0.22	0.048	1	02/04/2022 15:45	02/07/2022 07:43	T
4-Nitrophenol	0.061 U	mg/Kg	0.22	0.061	1	02/04/2022 15:45	02/07/2022 07:43	T
Acenaphthene	0.0050 U	mg/Kg	0.22	0.0050	1	02/04/2022 15:45	02/07/2022 07:43	T
Acenaphthylene	**0.19 I**	mg/Kg	0.22	0.0056	1	02/04/2022 15:45	02/07/2022 07:43	T
Anthracene	**0.14 I**	mg/Kg	0.22	0.0055	1	02/04/2022 15:45	02/07/2022 07:43	T
Benzidine	0.043 U	mg/Kg	0.22	0.043	1	02/04/2022 15:45	02/07/2022 07:43	T
Benzo[a]anthracene	0.0050 U	mg/Kg	0.22	0.0050	1	02/04/2022 15:45	02/07/2022 07:43	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342002 **Date Collected:** 02/01/2022 11:50 **Matrix:** Soil
Sample ID: SB-2 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[a]pyrene	**0.55**	mg/Kg	0.22	0.0047	1	02/04/2022 15:45	02/07/2022 07:43	T
Benzo[b]fluoranthene	**0.97**	mg/Kg	0.22	0.0069	1	02/04/2022 15:45	02/07/2022 07:43	T
Benzo[g,h,i]perylene	**0.51**	mg/Kg	0.22	0.0041	1	02/04/2022 15:45	02/07/2022 07:43	T
Benzo[k]fluoranthene	0.0073 U	mg/Kg	0.22	0.0073	1	02/04/2022 15:45	02/07/2022 07:43	T
Butyl benzyl phthalate	0.030 U	mg/Kg	0.22	0.030	1	02/04/2022 15:45	02/07/2022 07:43	T
Chrysene	**0.42**	mg/Kg	0.22	0.0055	1	02/04/2022 15:45	02/07/2022 07:43	T
Di-n-Butyl Phthalate	0.045 U	mg/Kg	0.22	0.045	1	02/04/2022 15:45	02/07/2022 07:43	T
Di-n-octyl Phthalate	0.029 U	mg/Kg	0.22	0.029	1	02/04/2022 15:45	02/07/2022 07:43	T
Dibenzo[a,h]anthracene	**0.13 I**	mg/Kg	0.22	0.0042	1	02/04/2022 15:45	02/07/2022 07:43	T
Diethyl phthalate	0.042 U	mg/Kg	0.22	0.042	1	02/04/2022 15:45	02/07/2022 07:43	T
Dimethyl phthalate	0.041 U	mg/Kg	0.22	0.041	1	02/04/2022 15:45	02/07/2022 07:43	T
Fluoranthene	**0.28**	mg/Kg	0.22	0.053	1	02/04/2022 15:45	02/07/2022 07:43	T
Fluorene	**0.012 I**	mg/Kg	0.22	0.0048	1	02/04/2022 15:45	02/07/2022 07:43	T
Hexachlorobenzene	0.064 U	mg/Kg	0.22	0.064	1	02/04/2022 15:45	02/07/2022 07:43	T
Hexachlorobutadiene	0.036 U	mg/Kg	0.22	0.036	1	02/04/2022 15:45	02/07/2022 07:43	T
Hexachlorocyclopentadiene	0.036 U	mg/Kg	0.22	0.036	1	02/04/2022 15:45	02/07/2022 07:43	T
Hexachloroethane	0.030 U	mg/Kg	0.22	0.030	1	02/04/2022 15:45	02/07/2022 07:43	T
Indeno(1,2,3-cd)pyrene	**0.50**	mg/Kg	0.22	0.0043	1	02/04/2022 15:45	02/07/2022 07:43	T
Isophorone	0.024 U	mg/Kg	0.22	0.024	1	02/04/2022 15:45	02/07/2022 07:43	T
N-Nitrosodi-n-propylamine	0.039 U	mg/Kg	0.22	0.039	1	02/04/2022 15:45	02/07/2022 07:43	T
N-Nitrosodimethylamine	0.0098 U	mg/Kg	0.22	0.0098	1	02/04/2022 15:45	02/07/2022 07:43	T
N-Nitrosodiphenylamine	0.029 U	mg/Kg	0.22	0.029	1	02/04/2022 15:45	02/07/2022 07:43	T
Naphthalene	**0.024 I**	mg/Kg	0.22	0.0052	1	02/04/2022 15:45	02/07/2022 07:43	T
Nitrobenzene	0.052 U	mg/Kg	0.22	0.052	1	02/04/2022 15:45	02/07/2022 07:43	T
Pentachlorophenol	0.073 U	mg/Kg	0.22	0.073	1	02/04/2022 15:45	02/07/2022 07:43	T
Phenanthrene	**0.079 I**	mg/Kg	0.22	0.0062	1	02/04/2022 15:45	02/07/2022 07:43	T
Phenol	0.043 U	mg/Kg	0.22	0.043	1	02/04/2022 15:45	02/07/2022 07:43	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342002 **Date Collected:** 02/01/2022 11:50 **Matrix:** Soil
Sample ID: SB-2 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	**0.40**	mg/Kg	0.22	0.0047	1	02/04/2022 15:45	02/07/2022 07:43	T
bis(2-Chloroethoxy)methane	0.032 U	mg/Kg	0.22	0.032	1	02/04/2022 15:45	02/07/2022 07:43	T
bis(2-Chloroethyl)Ether	0.045 U	mg/Kg	0.22	0.045	1	02/04/2022 15:45	02/07/2022 07:43	T
bis(2-Chloroisopropyl) Ether	0.040 U	mg/Kg	0.22	0.040	1	02/04/2022 15:45	02/07/2022 07:43	T
bis(2-Ethylhexyl) phthalate	0.034 U	mg/Kg	0.22	0.034	1	02/04/2022 15:45	02/07/2022 07:43	T
(SM 2540G)								
Percent Moisture	**8**	%	0.001	0.0010	1	02/03/2022 11:40	02/03/2022 11:40	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1-Trichloroethane	0.00062 U	mg/Kg	0.0027	0.00062	1	02/05/2022 02:27	02/05/2022 10:41	T
1,1,2,2-Tetrachloroethane	0.00045 U	mg/Kg	0.0027	0.00045	1	02/05/2022 02:27	02/05/2022 10:41	T
1,1,2-Trichloroethane	0.00043 U	mg/Kg	0.0027	0.00043	1	02/05/2022 02:27	02/05/2022 10:41	T
1,1-Dichloroethane	0.00063 U	mg/Kg	0.0027	0.00063	1	02/05/2022 02:27	02/05/2022 10:41	T
1,1-Dichloroethylene	0.00065 U	mg/Kg	0.0027	0.00065	1	02/05/2022 02:27	02/05/2022 10:41	T
1,2-Dichlorobenzene	0.00042 U	mg/Kg	0.0027	0.00042	1	02/05/2022 02:27	02/05/2022 10:41	T
1,2-Dichloroethane	0.00070 U	mg/Kg	0.0027	0.00070	1	02/05/2022 02:27	02/05/2022 10:41	T
1,2-Dichloropropane	0.00048 U	mg/Kg	0.0027	0.00048	1	02/05/2022 02:27	02/05/2022 10:41	T
1,3-Dichlorobenzene	0.00049 U	mg/Kg	0.0027	0.00049	1	02/05/2022 02:27	02/05/2022 10:41	T
1,4-Dichlorobenzene	0.00059 U	mg/Kg	0.0027	0.00059	1	02/05/2022 02:27	02/05/2022 10:41	T
2-Chloroethyl Vinyl Ether	0.0023 U	mg/Kg	0.0027	0.0023	1	02/05/2022 02:27	02/05/2022 10:41	T
Acrolein (Propenal)	0.0055 U	mg/Kg	0.013	0.0055	1	02/05/2022 02:27	02/05/2022 10:41	T
Acrylonitrile	0.00046 U	mg/Kg	0.0027	0.00046	1	02/05/2022 02:27	02/05/2022 10:41	T
Benzene	0.00044 U	mg/Kg	0.0027	0.00044	1	02/05/2022 02:27	02/05/2022 10:41	T
Bromodichloromethane	0.00047 U	mg/Kg	0.0027	0.00047	1	02/05/2022 02:27	02/05/2022 10:41	T
Bromoform	0.0018 U	mg/Kg	0.0027	0.0018	1	02/05/2022 02:27	02/05/2022 10:41	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342002 **Date Collected:** 02/01/2022 11:50 **Matrix:** Soil
Sample ID: SB-2 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Bromomethane	0.0011 U	mg/Kg	0.0027	0.0011	1	02/05/2022 02:27	02/05/2022 10:41	T
Carbon Tetrachloride	0.00075 U	mg/Kg	0.0027	0.00075	1	02/05/2022 02:27	02/05/2022 10:41	T
Chlorobenzene	0.00040 U	mg/Kg	0.0027	0.00040	1	02/05/2022 02:27	02/05/2022 10:41	T
Chloroethane	0.0013 U	mg/Kg	0.0027	0.0013	1	02/05/2022 02:27	02/05/2022 10:41	T
Chloroform	0.00054 U	mg/Kg	0.0027	0.00054	1	02/05/2022 02:27	02/05/2022 10:41	T
Chloromethane	0.00061 U	mg/Kg	0.0027	0.00061	1	02/05/2022 02:27	02/05/2022 10:41	T
Dibromochloromethane	0.0015 U	mg/Kg	0.0027	0.0015	1	02/05/2022 02:27	02/05/2022 10:41	T
Dichlorodifluoromethane	0.00091 U	mg/Kg	0.0027	0.00091	1	02/05/2022 02:27	02/05/2022 10:41	T
Ethylbenzene	0.00032 U	mg/Kg	0.0027	0.00032	1	02/05/2022 02:27	02/05/2022 10:41	T
Methyl tert-butyl Ether (MTBE)	0.00088 U	mg/Kg	0.0027	0.00088	1	02/05/2022 02:27	02/05/2022 10:41	T
Methylene Chloride	0.0036 U	mg/Kg	0.0045	0.0036	1	02/05/2022 02:27	02/05/2022 10:41	T
Tetrachloroethylene (PCE)	0.00051 U	mg/Kg	0.0027	0.00051	1	02/05/2022 02:27	02/05/2022 10:41	T
Toluene	0.00033 U	mg/Kg	0.0027	0.00033	1	02/05/2022 02:27	02/05/2022 10:41	T
Trichloroethene	0.00066 U	mg/Kg	0.0027	0.00066	1	02/05/2022 02:27	02/05/2022 10:41	T
Trichlorofluoromethane	0.00059 U	mg/Kg	0.0027	0.00059	1	02/05/2022 02:27	02/05/2022 10:41	T
Vinyl Chloride	0.00051 U	mg/Kg	0.0027	0.00051	1	02/05/2022 02:27	02/05/2022 10:41	T
Xylene (Total)	0.0012 U	mg/Kg	0.0053	0.0012	1	02/05/2022 02:27	02/05/2022 10:41	T
cis-1,2-Dichloroethylene	0.00053 U	mg/Kg	0.0027	0.00053	1	02/05/2022 02:27	02/05/2022 10:41	T
cis-1,3-Dichloropropene	0.0019 U	mg/Kg	0.0027	0.0019	1	02/05/2022 02:27	02/05/2022 10:41	T
trans-1,2-Dichloroethylene	0.00054 U	mg/Kg	0.0027	0.00054	1	02/05/2022 02:27	02/05/2022 10:41	T
trans-1,3-Dichloropropylene	0.0016 U	mg/Kg	0.0027	0.0016	1	02/05/2022 02:27	02/05/2022 10:41	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Analysis Results Comments

Arsenic

J4|Estimated Result

Decachlorobiphenyl

J4|Estimated Result

Lead

J4|Estimated Result

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	41	38	92	69 - 134	T
Toluene-d8 (S)	ug/Kg	41	39	95	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	41	43	106	79 - 126	T
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.26	66	37 - 127	T
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.32	80	33 - 134	T
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.31	78	42 - 141	T
Nonatricontane-C39 (S)	mg/Kg	6	5.70	95	36 - 132	T
o-Terphenyl (S)	mg/Kg	2	1.70	85	66 - 136	T
Decachlorobiphenyl (S)	ug/Kg	73	28	**39**	63 - 130	M
Tetrachloro-m-xylene (S)	ug/Kg	150	110	74	42 - 129	M
2,4,6-Tribromophenol (S)	mg/Kg	2	2	101	39 - 132	T
Phenol-d6 (S)	mg/Kg	2	1.70	85	33 - 122	T
2-Fluorobiphenyl (S)	mg/Kg	2	1.70	85	44 - 115	T
2-Fluorophenol (S)	mg/Kg	2	1.60	82	35 - 115	T
Nitrobenzene-d5 (S)	mg/Kg	2	1.80	91	37 - 122	T
p-Terphenyl-d14 (S)	mg/Kg	2	1.90	93	54 - 127	T
Decachlorobiphenyl (S)	ug/Kg	73	28	**39**	61 - 147	M
Tetrachloro-m-xylene (S)	ug/Kg	150	110	74	44 - 130	M

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342003 **Date Collected:** 02/01/2022 12:15 **Matrix:** Soil
Sample ID: SB-3 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**3.0**	mg/Kg	0.29	0.14	1	02/08/2022 11:00	02/08/2022 19:18	T
Cadmium	**0.40**	mg/Kg	0.057	0.029	1	02/08/2022 11:00	02/08/2022 19:18	T
Chromium	**9.6**	mg/Kg	0.29	0.23	1	02/08/2022 11:00	02/08/2022 19:18	T
Lead	**22**	mg/Kg	0.29	0.14	1	02/08/2022 11:00	02/08/2022 19:18	T
SEMIVOLATILES (FL-PRO)								
TPH	**5.5 I**	mg/Kg	15	5.2	1	02/03/2022 13:00	02/04/2022 04:07	T
SEMIVOLATILES (SW-846 3550B/EPA 8081)								
4,4`-DDD	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
4,4`-DDE	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
4,4`-DDT	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Aldrin	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Chlordane (technical)	0.0095 U	mg/Kg	0.032	0.0095	1	02/04/2022 09:30	02/04/2022 00:00	M
Dieldrin	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Endosulfan I	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Endosulfan II	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Endosulfan Sulfate	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Endrin	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Endrin Aldehyde	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Heptachlor	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Heptachlor Epoxide	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Methoxychlor	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Toxaphene	0.010 U	mg/Kg	0.032	0.010	1	02/04/2022 09:30	02/04/2022 00:00	M
alpha-BHC	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
beta-BHC	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
delta-BHC	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
gamma-BHC (Lindane)	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
SEMIVOLATILES (SW-846 3550B/SW-846 8082A)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342003 **Date Collected:** 02/01/2022 12:15 **Matrix:** Soil
Sample ID: SB-3 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Aroclor 1016 (PCB-1016)	0.019 U	mg/Kg	0.032	0.019	1	02/04/2022 12:35	02/04/2022 17:21	M
Aroclor 1221 (PCB-1221)	0.022 U	mg/Kg	0.032	0.022	1	02/04/2022 12:35	02/04/2022 17:21	M
Aroclor 1232 (PCB-1232)	0.030 U	mg/Kg	0.032	0.030	1	02/04/2022 12:35	02/04/2022 17:21	M
Aroclor 1242 (PCB-1242)	0.024 U	mg/Kg	0.032	0.024	1	02/04/2022 12:35	02/04/2022 17:21	M
Aroclor 1248 (PCB-1248)	0.011 U	mg/Kg	0.032	0.011	1	02/04/2022 12:35	02/04/2022 17:21	M
Aroclor 1254 (PCB-1254)	0.0064 U	mg/Kg	0.032	0.0064	1	02/04/2022 12:35	02/04/2022 17:21	M
Aroclor 1260 (PCB-1260)	0.038 U	mg/Kg	0.064	0.038	1	02/04/2022 12:35	02/04/2022 17:21	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	**0.013**	mg/Kg	0.0087	0.0016	1	02/03/2022 13:00	02/05/2022 01:24	T
2-Methylnaphthalene	**0.014**	mg/Kg	0.0087	0.0021	1	02/03/2022 13:00	02/05/2022 01:24	T
Acenaphthene	0.0016 U	mg/Kg	0.0087	0.0016	1	02/03/2022 13:00	02/05/2022 01:24	T
Acenaphthylene	**0.011**	mg/Kg	0.0087	0.0019	1	02/03/2022 13:00	02/05/2022 01:24	T
Anthracene	**0.014**	mg/Kg	0.0087	0.0026	1	02/03/2022 13:00	02/05/2022 01:24	T
Benzo[a]anthracene	**0.020**	mg/Kg	0.0087	0.0021	1	02/03/2022 13:00	02/05/2022 01:24	T
Benzo[a]pyrene	**0.029**	mg/Kg	0.0087	0.0018	1	02/03/2022 13:00	02/05/2022 01:24	T
Benzo[b]fluoranthene	**0.053**	mg/Kg	0.0087	0.0017	1	02/03/2022 13:00	02/05/2022 01:24	T
Benzo[g,h,i]perylene	**0.027**	mg/Kg	0.0087	0.0020	1	02/03/2022 13:00	02/05/2022 01:24	T
Benzo[k]fluoranthene	**0.019**	mg/Kg	0.0087	0.0025	1	02/03/2022 13:00	02/05/2022 01:24	T
Chrysene	**0.021**	mg/Kg	0.0087	0.0031	1	02/03/2022 13:00	02/05/2022 01:24	T
Dibenzo[a,h]anthracene	**0.0088**	mg/Kg	0.0087	0.0017	1	02/03/2022 13:00	02/05/2022 01:24	T
Fluoranthene	**0.016**	mg/Kg	0.0087	0.0029	1	02/03/2022 13:00	02/05/2022 01:24	T
Fluorene	0.0023 U	mg/Kg	0.0087	0.0023	1	02/03/2022 13:00	02/05/2022 01:24	T
Indeno(1,2,3-cd)pyrene	**0.028**	mg/Kg	0.0087	0.0025	1	02/03/2022 13:00	02/05/2022 01:24	T
Naphthalene	**0.0082 I**	mg/Kg	0.0087	0.0018	1	02/03/2022 13:00	02/05/2022 01:24	T
Phenanthrene	**0.013**	mg/Kg	0.0087	0.0023	1	02/03/2022 13:00	02/05/2022 01:24	T
Pyrene	**0.025**	mg/Kg	0.0087	0.0025	1	02/03/2022 13:00	02/05/2022 01:24	T
SEMIVOLATILES (SW-846 3550B/SW-846 8270C)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342003 **Date Collected:** 02/01/2022 12:15 **Matrix:** Soil
Sample ID: SB-3 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,2,4-Trichlorobenzene	0.032 U	mg/Kg	0.22	0.032	1	02/04/2022 15:45	02/06/2022 19:07	T
1,2-Dichlorobenzene	0.044 U	mg/Kg	0.22	0.044	1	02/04/2022 15:45	02/06/2022 19:07	T
1,2-Diphenylhydrazine	0.084 U	mg/Kg	0.22	0.084	1	02/04/2022 15:45	02/06/2022 19:07	T
1,3-Dichlorobenzene	0.023 U	mg/Kg	0.22	0.023	1	02/04/2022 15:45	02/06/2022 19:07	T
1,4-Dichlorobenzene	0.049 U	mg/Kg	0.22	0.049	1	02/04/2022 15:45	02/06/2022 19:07	T
1-Methylnaphthalene	**0.0083 I**	mg/Kg	0.22	0.0042	1	02/04/2022 15:45	02/06/2022 19:07	T
2,4,6-Trichlorophenol	0.041 U	mg/Kg	0.22	0.041	1	02/04/2022 15:45	02/06/2022 19:07	T
2,4-Dichlorophenol	0.046 U	mg/Kg	0.22	0.046	1	02/04/2022 15:45	02/06/2022 19:07	T
2,4-Dimethylphenol	0.046 U	mg/Kg	0.22	0.046	1	02/04/2022 15:45	02/06/2022 19:07	T
2,4-Dinitrophenol	0.13 U	mg/Kg	0.22	0.13	1	02/04/2022 15:45	02/06/2022 19:07	T
2,4-Dinitrotoluene (2,4-DNT)	0.069 U	mg/Kg	0.22	0.069	1	02/04/2022 15:45	02/06/2022 19:07	T
2,6-Dinitrotoluene (2,6-DNT)	0.055 U	mg/Kg	0.22	0.055	1	02/04/2022 15:45	02/06/2022 19:07	T
2-Chloronaphthalene	0.042 U	mg/Kg	0.22	0.042	1	02/04/2022 15:45	02/06/2022 19:07	T
2-Chlorophenol	0.039 U	mg/Kg	0.22	0.039	1	02/04/2022 15:45	02/06/2022 19:07	T
2-Methyl-4,6-dinitrophenol	0.049 U	mg/Kg	0.22	0.049	1	02/04/2022 15:45	02/06/2022 19:07	T
2-Methylnaphthalene	**0.0079 I**	mg/Kg	0.22	0.0052	1	02/04/2022 15:45	02/06/2022 19:07	T
2-Nitrophenol	0.048 U	mg/Kg	0.22	0.048	1	02/04/2022 15:45	02/06/2022 19:07	T
3,3`-Dichlorobenzidine	0.030 U	mg/Kg	0.22	0.030	1	02/04/2022 15:45	02/06/2022 19:07	T
4-Bromophenyl Phenyl Ether	0.056 U	mg/Kg	0.22	0.056	1	02/04/2022 15:45	02/06/2022 19:07	T
4-Chloro-3-methylphenol	0.046 U	mg/Kg	0.22	0.046	1	02/04/2022 15:45	02/06/2022 19:07	T
4-Chlorophenyl Phenyl Ether	0.048 U	mg/Kg	0.22	0.048	1	02/04/2022 15:45	02/06/2022 19:07	T
4-Nitrophenol	0.061 U	mg/Kg	0.22	0.061	1	02/04/2022 15:45	02/06/2022 19:07	T
Acenaphthene	0.0050 U	mg/Kg	0.22	0.0050	1	02/04/2022 15:45	02/06/2022 19:07	T
Acenaphthylene	**0.0078 I**	mg/Kg	0.22	0.0056	1	02/04/2022 15:45	02/06/2022 19:07	T
Anthracene	**0.0056 I**	mg/Kg	0.22	0.0055	1	02/04/2022 15:45	02/06/2022 19:07	T
Benzidine	0.043 U	mg/Kg	0.22	0.043	1	02/04/2022 15:45	02/06/2022 19:07	T
Benzo[a]anthracene	**0.020 I**	mg/Kg	0.22	0.0050	1	02/04/2022 15:45	02/06/2022 19:07	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342003 **Date Collected:** 02/01/2022 12:15 **Matrix:** Soil
Sample ID: SB-3 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[a]pyrene	**0.030 I**	mg/Kg	0.22	0.0047	1	02/04/2022 15:45	02/06/2022 19:07	T
Benzo[b]fluoranthene	**0.055 I**	mg/Kg	0.22	0.0069	1	02/04/2022 15:45	02/06/2022 19:07	T
Benzo[g,h,i]perylene	**0.027 I**	mg/Kg	0.22	0.0041	1	02/04/2022 15:45	02/06/2022 19:07	T
Benzo[k]fluoranthene	0.0073 U	mg/Kg	0.22	0.0073	1	02/04/2022 15:45	02/06/2022 19:07	T
Butyl benzyl phthalate	0.030 U	mg/Kg	0.22	0.030	1	02/04/2022 15:45	02/06/2022 19:07	T
Chrysene	**0.024 I**	mg/Kg	0.22	0.0055	1	02/04/2022 15:45	02/06/2022 19:07	T
Di-n-Butyl Phthalate	0.045 U	mg/Kg	0.22	0.045	1	02/04/2022 15:45	02/06/2022 19:07	T
Di-n-octyl Phthalate	0.029 U	mg/Kg	0.22	0.029	1	02/04/2022 15:45	02/06/2022 19:07	T
Dibenzo[a,h]anthracene	**0.0078 I**	mg/Kg	0.22	0.0042	1	02/04/2022 15:45	02/06/2022 19:07	T
Diethyl phthalate	0.042 U	mg/Kg	0.22	0.042	1	02/04/2022 15:45	02/06/2022 19:07	T
Dimethyl phthalate	0.041 U	mg/Kg	0.22	0.041	1	02/04/2022 15:45	02/06/2022 19:07	T
Fluoranthene	0.053 U	mg/Kg	0.22	0.053	1	02/04/2022 15:45	02/06/2022 19:07	T
Fluorene	0.0048 U	mg/Kg	0.22	0.0048	1	02/04/2022 15:45	02/06/2022 19:07	T
Hexachlorobenzene	0.064 U	mg/Kg	0.22	0.064	1	02/04/2022 15:45	02/06/2022 19:07	T
Hexachlorobutadiene	0.036 U	mg/Kg	0.22	0.036	1	02/04/2022 15:45	02/06/2022 19:07	T
Hexachlorocyclopentadiene	0.036 U	mg/Kg	0.22	0.036	1	02/04/2022 15:45	02/06/2022 19:07	T
Hexachloroethane	0.030 U	mg/Kg	0.22	0.030	1	02/04/2022 15:45	02/06/2022 19:07	T
Indeno(1,2,3-cd)pyrene	**0.027 I**	mg/Kg	0.22	0.0043	1	02/04/2022 15:45	02/06/2022 19:07	T
Isophorone	0.024 U	mg/Kg	0.22	0.024	1	02/04/2022 15:45	02/06/2022 19:07	T
N-Nitrosodi-n-propylamine	0.039 U	mg/Kg	0.22	0.039	1	02/04/2022 15:45	02/06/2022 19:07	T
N-Nitrosodimethylamine	0.0098 U	mg/Kg	0.22	0.0098	1	02/04/2022 15:45	02/06/2022 19:07	T
N-Nitrosodiphenylamine	0.029 U	mg/Kg	0.22	0.029	1	02/04/2022 15:45	02/06/2022 19:07	T
Naphthalene	**0.0055 I**	mg/Kg	0.22	0.0052	1	02/04/2022 15:45	02/06/2022 19:07	T
Nitrobenzene	0.052 U	mg/Kg	0.22	0.052	1	02/04/2022 15:45	02/06/2022 19:07	T
Pentachlorophenol	0.073 U	mg/Kg	0.22	0.073	1	02/04/2022 15:45	02/06/2022 19:07	T
Phenanthrene	**0.010 I**	mg/Kg	0.22	0.0062	1	02/04/2022 15:45	02/06/2022 19:07	T
Phenol	0.043 U	mg/Kg	0.22	0.043	1	02/04/2022 15:45	02/06/2022 19:07	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342003 **Date Collected:** 02/01/2022 12:15 **Matrix:** Soil
Sample ID: SB-3 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	**0.024 I**	mg/Kg	0.22	0.0047	1	02/04/2022 15:45	02/06/2022 19:07	T
bis(2-Chloroethoxy)methane	0.032 U	mg/Kg	0.22	0.032	1	02/04/2022 15:45	02/06/2022 19:07	T
bis(2-Chloroethyl)Ether	0.045 U	mg/Kg	0.22	0.045	1	02/04/2022 15:45	02/06/2022 19:07	T
bis(2-Chloroisopropyl) Ether	0.040 U	mg/Kg	0.22	0.040	1	02/04/2022 15:45	02/06/2022 19:07	T
bis(2-Ethylhexyl) phthalate	0.034 U	mg/Kg	0.22	0.034	1	02/04/2022 15:45	02/06/2022 19:07	T
(SM 2540G)								
Percent Moisture	**8**	%	0.001	0.0010	1	02/03/2022 11:40	02/03/2022 11:40	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1-Trichloroethane	0.00070 U	mg/Kg	0.0030	0.00070	1	02/05/2022 02:27	02/05/2022 11:08	T
1,1,2,2-Tetrachloroethane	0.00051 U	mg/Kg	0.0030	0.00051	1	02/05/2022 02:27	02/05/2022 11:08	T
1,1,2-Trichloroethane	0.00049 U	mg/Kg	0.0030	0.00049	1	02/05/2022 02:27	02/05/2022 11:08	T
1,1-Dichloroethane	0.00071 U	mg/Kg	0.0030	0.00071	1	02/05/2022 02:27	02/05/2022 11:08	T
1,1-Dichloroethylene	0.00074 U	mg/Kg	0.0030	0.00074	1	02/05/2022 02:27	02/05/2022 11:08	T
1,2-Dichlorobenzene	0.00048 U	mg/Kg	0.0030	0.00048	1	02/05/2022 02:27	02/05/2022 11:08	T
1,2-Dichloroethane	0.00079 U	mg/Kg	0.0030	0.00079	1	02/05/2022 02:27	02/05/2022 11:08	T
1,2-Dichloropropane	0.00054 U	mg/Kg	0.0030	0.00054	1	02/05/2022 02:27	02/05/2022 11:08	T
1,3-Dichlorobenzene	0.00056 U	mg/Kg	0.0030	0.00056	1	02/05/2022 02:27	02/05/2022 11:08	T
1,4-Dichlorobenzene	0.00067 U	mg/Kg	0.0030	0.00067	1	02/05/2022 02:27	02/05/2022 11:08	T
2-Chloroethyl Vinyl Ether	0.0026 U	mg/Kg	0.0030	0.0026	1	02/05/2022 02:27	02/05/2022 11:08	T
Acrolein (Propenal)	0.0063 U	mg/Kg	0.015	0.0063	1	02/05/2022 02:27	02/05/2022 11:08	T
Acrylonitrile	0.00052 U	mg/Kg	0.0030	0.00052	1	02/05/2022 02:27	02/05/2022 11:08	T
Benzene	0.00050 U	mg/Kg	0.0030	0.00050	1	02/05/2022 02:27	02/05/2022 11:08	T
Bromodichloromethane	0.00053 U	mg/Kg	0.0030	0.00053	1	02/05/2022 02:27	02/05/2022 11:08	T
Bromoform	0.0020 U	mg/Kg	0.0030	0.0020	1	02/05/2022 02:27	02/05/2022 11:08	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342003 **Date Collected:** 02/01/2022 12:15 **Matrix:** Soil
Sample ID: SB-3 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Bromomethane	0.0013 U	mg/Kg	0.0030	0.0013	1	02/05/2022 02:27	02/05/2022 11:08	T
Carbon Tetrachloride	0.00085 U	mg/Kg	0.0030	0.00085	1	02/05/2022 02:27	02/05/2022 11:08	T
Chlorobenzene	0.00045 U	mg/Kg	0.0030	0.00045	1	02/05/2022 02:27	02/05/2022 11:08	T
Chloroethane	0.0015 U	mg/Kg	0.0030	0.0015	1	02/05/2022 02:27	02/05/2022 11:08	T
Chloroform	0.00062 U	mg/Kg	0.0030	0.00062	1	02/05/2022 02:27	02/05/2022 11:08	T
Chloromethane	0.00069 U	mg/Kg	0.0030	0.00069	1	02/05/2022 02:27	02/05/2022 11:08	T
Dibromochloromethane	0.0017 U	mg/Kg	0.0030	0.0017	1	02/05/2022 02:27	02/05/2022 11:08	T
Dichlorodifluoromethane	0.0010 U	mg/Kg	0.0030	0.0010	1	02/05/2022 02:27	02/05/2022 11:08	T
Ethylbenzene	0.00036 U	mg/Kg	0.0030	0.00036	1	02/05/2022 02:27	02/05/2022 11:08	T
Methyl tert-butyl Ether (MTBE)	0.00099 U	mg/Kg	0.0030	0.00099	1	02/05/2022 02:27	02/05/2022 11:08	T
Methylene Chloride	0.0041 U	mg/Kg	0.0050	0.0041	1	02/05/2022 02:27	02/05/2022 11:08	T
Tetrachloroethylene (PCE)	0.00057 U	mg/Kg	0.0030	0.00057	1	02/05/2022 02:27	02/05/2022 11:08	T
Toluene	0.00037 U	mg/Kg	0.0030	0.00037	1	02/05/2022 02:27	02/05/2022 11:08	T
Trichloroethene	0.00074 U	mg/Kg	0.0030	0.00074	1	02/05/2022 02:27	02/05/2022 11:08	T
Trichlorofluoromethane	0.00067 U	mg/Kg	0.0030	0.00067	1	02/05/2022 02:27	02/05/2022 11:08	T
Vinyl Chloride	0.00058 U	mg/Kg	0.0030	0.00058	1	02/05/2022 02:27	02/05/2022 11:08	T
Xylene (Total)	0.0013 U	mg/Kg	0.0060	0.0013	1	02/05/2022 02:27	02/05/2022 11:08	T
cis-1,2-Dichloroethylene	0.00060 U	mg/Kg	0.0030	0.00060	1	02/05/2022 02:27	02/05/2022 11:08	T
cis-1,3-Dichloropropene	0.0022 U	mg/Kg	0.0030	0.0022	1	02/05/2022 02:27	02/05/2022 11:08	T
trans-1,2-Dichloroethylene	0.00061 U	mg/Kg	0.0030	0.00061	1	02/05/2022 02:27	02/05/2022 11:08	T
trans-1,3-Dichloropropylene	0.0019 U	mg/Kg	0.0030	0.0019	1	02/05/2022 02:27	02/05/2022 11:08	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Analysis Results Comments

Decachlorobiphenyl

J4|Estimated Result

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	46	42	90	69 - 134	T
Toluene-d8 (S)	ug/Kg	46	45	97	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	46	50	109	79 - 126	T
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.29	72	33 - 134	T
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.30	74	42 - 141	T
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.25	62	37 - 127	T
Nonatricontane-C39 (S)	mg/Kg	6	5.40	90	36 - 132	T
o-Terphenyl (S)	mg/Kg	2	1.60	78	66 - 136	T
Decachlorobiphenyl (S)	ug/Kg	73	29	**40**	63 - 130	M
Tetrachloro-m-xylene (S)	ug/Kg	150	110	75	42 - 129	M
2,4,6-Tribromophenol (S)	mg/Kg	2	1.80	90	39 - 132	T
Phenol-d6 (S)	mg/Kg	2	1.40	68	33 - 122	T
2-Fluorobiphenyl (S)	mg/Kg	2	1.30	66	44 - 115	T
2-Fluorophenol (S)	mg/Kg	2	1.40	71	35 - 115	T
Nitrobenzene-d5 (S)	mg/Kg	2	1.50	74	37 - 122	T
p-Terphenyl-d14 (S)	mg/Kg	2	1.90	95	54 - 127	T
Decachlorobiphenyl (S)	ug/Kg	73	29	**40**	61 - 147	M
Tetrachloro-m-xylene (S)	ug/Kg	150	110	75	44 - 130	M

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342004 **Date Collected:** 02/01/2022 13:25 **Matrix:** Soil
Sample ID: SB-4 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**3.1**	mg/Kg	0.27	0.13	1	02/08/2022 11:00	02/08/2022 19:21	T
Cadmium	**0.33**	mg/Kg	0.053	0.027	1	02/08/2022 11:00	02/08/2022 19:21	T
Chromium	**12**	mg/Kg	0.27	0.21	1	02/08/2022 11:00	02/08/2022 19:21	T
Lead	**34**	mg/Kg	0.27	0.13	1	02/08/2022 11:00	02/08/2022 19:21	T
SEMIVOLATILES (FL-PRO)								
TPH	**41**	mg/Kg	15	5.3	1	02/03/2022 13:00	02/04/2022 05:31	T
SEMIVOLATILES (SW-846 3550B/EPA 8081)								
4,4`-DDD	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
4,4`-DDE	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
4,4`-DDT	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Aldrin	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Chlordane (technical)	0.010 U	mg/Kg	0.034	0.010	1	02/04/2022 09:30	02/04/2022 00:00	M
Dieldrin	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Endosulfan I	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Endosulfan II	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Endosulfan Sulfate	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Endrin	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Endrin Aldehyde	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Heptachlor	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Heptachlor Epoxide	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Methoxychlor	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Toxaphene	0.011 U	mg/Kg	0.034	0.011	1	02/04/2022 09:30	02/04/2022 00:00	M
alpha-BHC	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
beta-BHC	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
delta-BHC	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
gamma-BHC (Lindane)	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
SEMIVOLATILES (SW-846 3550B/SW-846 8082A)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342004 **Date Collected:** 02/01/2022 13:25 **Matrix:** Soil
Sample ID: SB-4 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Aroclor 1016 (PCB-1016)	0.020 U	mg/Kg	0.034	0.020	1	02/04/2022 12:35	02/04/2022 19:09	M
Aroclor 1221 (PCB-1221)	0.024 U	mg/Kg	0.034	0.024	1	02/04/2022 12:35	02/04/2022 19:09	M
Aroclor 1232 (PCB-1232)	0.032 U	mg/Kg	0.034	0.032	1	02/04/2022 12:35	02/04/2022 19:09	M
Aroclor 1242 (PCB-1242)	0.025 U	mg/Kg	0.034	0.025	1	02/04/2022 12:35	02/04/2022 19:09	M
Aroclor 1248 (PCB-1248)	0.012 U	mg/Kg	0.034	0.012	1	02/04/2022 12:35	02/04/2022 19:09	M
Aroclor 1254 (PCB-1254)	0.0068 U	mg/Kg	0.034	0.0068	1	02/04/2022 12:35	02/04/2022 19:09	M
Aroclor 1260 (PCB-1260)	0.041 U	mg/Kg	0.068	0.041	1	02/04/2022 12:35	02/04/2022 19:09	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	**0.021**	mg/Kg	0.0088	0.0017	1	02/03/2022 13:00	02/05/2022 01:53	T
2-Methylnaphthalene	**0.024**	mg/Kg	0.0088	0.0022	1	02/03/2022 13:00	02/05/2022 01:53	T
Acenaphthene	**0.0035 I**	mg/Kg	0.0088	0.0016	1	02/03/2022 13:00	02/05/2022 01:53	T
Acenaphthylene	**0.15**	mg/Kg	0.0088	0.0019	1	02/03/2022 13:00	02/05/2022 01:53	T
Anthracene	**0.18**	mg/Kg	0.0088	0.0027	1	02/03/2022 13:00	02/05/2022 01:53	T
Benzo[a]anthracene	**0.18**	mg/Kg	0.0088	0.0021	1	02/03/2022 13:00	02/05/2022 01:53	T
Benzo[a]pyrene	**0.29**	mg/Kg	0.0088	0.0018	1	02/03/2022 13:00	02/05/2022 01:53	T
Benzo[b]fluoranthene	**0.55**	mg/Kg	0.0088	0.0017	1	02/03/2022 13:00	02/05/2022 01:53	T
Benzo[g,h,i]perylene	**0.33**	mg/Kg	0.0088	0.0020	1	02/03/2022 13:00	02/05/2022 01:53	T
Benzo[k]fluoranthene	**0.18**	mg/Kg	0.0088	0.0025	1	02/03/2022 13:00	02/05/2022 01:53	T
Chrysene	**0.18**	mg/Kg	0.0088	0.0031	1	02/03/2022 13:00	02/05/2022 01:53	T
Dibenzo[a,h]anthracene	**0.084**	mg/Kg	0.0088	0.0018	1	02/03/2022 13:00	02/05/2022 01:53	T
Fluoranthene	**0.14**	mg/Kg	0.0088	0.0030	1	02/03/2022 13:00	02/05/2022 01:53	T
Fluorene	**0.0059 I**	mg/Kg	0.0088	0.0023	1	02/03/2022 13:00	02/05/2022 01:53	T
Indeno(1,2,3-cd)pyrene	**0.32**	mg/Kg	0.0088	0.0025	1	02/03/2022 13:00	02/05/2022 01:53	T
Naphthalene	**0.015**	mg/Kg	0.0088	0.0018	1	02/03/2022 13:00	02/05/2022 01:53	T
Phenanthrene	**0.034**	mg/Kg	0.0088	0.0023	1	02/03/2022 13:00	02/05/2022 01:53	T
Pyrene	**0.25**	mg/Kg	0.0088	0.0025	1	02/03/2022 13:00	02/05/2022 01:53	T
SEMIVOLATILES (SW-846 3550B/SW-846 8270C)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342004 **Date Collected:** 02/01/2022 13:25 **Matrix:** Soil
Sample ID: SB-4 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,2,4-Trichlorobenzene	0.033 U	mg/Kg	0.22	0.033	1	02/04/2022 15:45	02/07/2022 05:15	T
1,2-Dichlorobenzene	0.045 U	mg/Kg	0.22	0.045	1	02/04/2022 15:45	02/07/2022 05:15	T
1,2-Diphenylhydrazine	0.085 U	mg/Kg	0.22	0.085	1	02/04/2022 15:45	02/07/2022 05:15	T
1,3-Dichlorobenzene	0.023 U	mg/Kg	0.22	0.023	1	02/04/2022 15:45	02/07/2022 05:15	T
1,4-Dichlorobenzene	0.050 U	mg/Kg	0.22	0.050	1	02/04/2022 15:45	02/07/2022 05:15	T
1-Methylnaphthalene	**0.013 I**	mg/Kg	0.22	0.0043	1	02/04/2022 15:45	02/07/2022 05:15	T
2,4,6-Trichlorophenol	0.042 U	mg/Kg	0.22	0.042	1	02/04/2022 15:45	02/07/2022 05:15	T
2,4-Dichlorophenol	0.047 U	mg/Kg	0.22	0.047	1	02/04/2022 15:45	02/07/2022 05:15	T
2,4-Dimethylphenol	0.047 U	mg/Kg	0.22	0.047	1	02/04/2022 15:45	02/07/2022 05:15	T
2,4-Dinitrophenol	0.14 U	mg/Kg	0.22	0.14	1	02/04/2022 15:45	02/07/2022 05:15	T
2,4-Dinitrotoluene (2,4-DNT)	0.070 U	mg/Kg	0.22	0.070	1	02/04/2022 15:45	02/07/2022 05:15	T
2,6-Dinitrotoluene (2,6-DNT)	0.056 U	mg/Kg	0.22	0.056	1	02/04/2022 15:45	02/07/2022 05:15	T
2-Chloronaphthalene	0.043 U	mg/Kg	0.22	0.043	1	02/04/2022 15:45	02/08/2022 03:24	T
2-Chlorophenol	0.040 U	mg/Kg	0.22	0.040	1	02/04/2022 15:45	02/07/2022 05:15	T
2-Methyl-4,6-dinitrophenol	0.050 U	mg/Kg	0.22	0.050	1	02/04/2022 15:45	02/07/2022 05:15	T
2-Methylnaphthalene	**0.013 I**	mg/Kg	0.22	0.0053	1	02/04/2022 15:45	02/07/2022 05:15	T
2-Nitrophenol	0.049 U	mg/Kg	0.22	0.049	1	02/04/2022 15:45	02/07/2022 05:15	T
3,3`-Dichlorobenzidine	0.030 U	mg/Kg	0.22	0.030	1	02/04/2022 15:45	02/07/2022 05:15	T
4-Bromophenyl Phenyl Ether	0.057 U	mg/Kg	0.22	0.057	1	02/04/2022 15:45	02/07/2022 05:15	T
4-Chloro-3-methylphenol	0.047 U	mg/Kg	0.22	0.047	1	02/04/2022 15:45	02/07/2022 05:15	T
4-Chlorophenyl Phenyl Ether	0.049 U	mg/Kg	0.22	0.049	1	02/04/2022 15:45	02/07/2022 05:15	T
4-Nitrophenol	0.063 U	mg/Kg	0.22	0.063	1	02/04/2022 15:45	02/07/2022 05:15	T
Acenaphthene	0.0051 U	mg/Kg	0.22	0.0051	1	02/04/2022 15:45	02/07/2022 05:15	T
Acenaphthylene	**0.13 I**	mg/Kg	0.22	0.0057	1	02/04/2022 15:45	02/07/2022 05:15	T
Anthracene	**0.089 I**	mg/Kg	0.22	0.0056	1	02/04/2022 15:45	02/07/2022 05:15	T
Benzidine	0.044 U	mg/Kg	0.22	0.044	1	02/04/2022 15:45	02/07/2022 05:15	T
Benzo[a]anthracene	0.0051 U	mg/Kg	0.22	0.0051	1	02/04/2022 15:45	02/07/2022 05:15	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342004 **Date Collected:** 02/01/2022 13:25 **Matrix:** Soil
Sample ID: SB-4 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[a]pyrene	**0.36**	mg/Kg	0.22	0.0048	1	02/04/2022 15:45	02/07/2022 05:15	T
Benzo[b]fluoranthene	**0.65**	mg/Kg	0.22	0.0071	1	02/04/2022 15:45	02/07/2022 05:15	T
Benzo[g,h,i]perylene	**0.36**	mg/Kg	0.22	0.0042	1	02/04/2022 15:45	02/07/2022 05:15	T
Benzo[k]fluoranthene	0.0074 U	mg/Kg	0.22	0.0074	1	02/04/2022 15:45	02/07/2022 05:15	T
Butyl benzyl phthalate	0.031 U	mg/Kg	0.22	0.031	1	02/04/2022 15:45	02/07/2022 05:15	T
Chrysene	**0.27**	mg/Kg	0.22	0.0057	1	02/04/2022 15:45	02/07/2022 05:15	T
Di-n-Butyl Phthalate	0.046 U	mg/Kg	0.22	0.046	1	02/04/2022 15:45	02/07/2022 05:15	T
Di-n-octyl Phthalate	0.029 U	mg/Kg	0.22	0.029	1	02/04/2022 15:45	02/07/2022 05:15	T
Dibenzo[a,h]anthracene	**0.091 I**	mg/Kg	0.22	0.0043	1	02/04/2022 15:45	02/07/2022 05:15	T
Diethyl phthalate	0.043 U	mg/Kg	0.22	0.043	1	02/04/2022 15:45	02/07/2022 05:15	T
Dimethyl phthalate	0.042 U	mg/Kg	0.22	0.042	1	02/04/2022 15:45	02/07/2022 05:15	T
Fluoranthene	**0.18 I**	mg/Kg	0.22	0.054	1	02/04/2022 15:45	02/07/2022 05:15	T
Fluorene	**0.0066 I**	mg/Kg	0.22	0.0049	1	02/04/2022 15:45	02/07/2022 05:15	T
Hexachlorobenzene	0.065 U	mg/Kg	0.22	0.065	1	02/04/2022 15:45	02/07/2022 05:15	T
Hexachlorobutadiene	0.037 U	mg/Kg	0.22	0.037	1	02/04/2022 15:45	02/07/2022 05:15	T
Hexachlorocyclopentadiene	0.037 U	mg/Kg	0.22	0.037	1	02/04/2022 15:45	02/07/2022 05:15	T
Hexachloroethane	0.031 U	mg/Kg	0.22	0.031	1	02/04/2022 15:45	02/07/2022 05:15	T
Indeno(1,2,3-cd)pyrene	**0.34**	mg/Kg	0.22	0.0044	1	02/04/2022 15:45	02/07/2022 05:15	T
Isophorone	0.025 U	mg/Kg	0.22	0.025	1	02/04/2022 15:45	02/07/2022 05:15	T
N-Nitrosodi-n-propylamine	0.040 U	mg/Kg	0.22	0.040	1	02/04/2022 15:45	02/07/2022 05:15	T
N-Nitrosodimethylamine	0.010 U	mg/Kg	0.22	0.010	1	02/04/2022 15:45	02/07/2022 05:15	T
N-Nitrosodiphenylamine	0.029 U	mg/Kg	0.22	0.029	1	02/04/2022 15:45	02/07/2022 05:15	T
Naphthalene	**0.010 I**	mg/Kg	0.22	0.0053	1	02/04/2022 15:45	02/07/2022 05:15	T
Nitrobenzene	0.053 U	mg/Kg	0.22	0.053	1	02/04/2022 15:45	02/07/2022 05:15	T
Pentachlorophenol	0.074 U	mg/Kg	0.22	0.074	1	02/04/2022 15:45	02/07/2022 05:15	T
Phenanthrene	**0.030 I**	mg/Kg	0.22	0.0063	1	02/04/2022 15:45	02/07/2022 05:15	T
Phenol	0.044 U	mg/Kg	0.22	0.044	1	02/04/2022 15:45	02/07/2022 05:15	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342004 **Date Collected:** 02/01/2022 13:25 **Matrix:** Soil
Sample ID: SB-4 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	**0.28**	mg/Kg	0.22	0.0048	1	02/04/2022 15:45	02/07/2022 05:15	T
bis(2-Chloroethoxy)methane	0.033 U	mg/Kg	0.22	0.033	1	02/04/2022 15:45	02/07/2022 05:15	T
bis(2-Chloroethyl)Ether	0.046 U	mg/Kg	0.22	0.046	1	02/04/2022 15:45	02/07/2022 05:15	T
bis(2-Chloroisopropyl) Ether	0.041 U	mg/Kg	0.22	0.041	1	02/04/2022 15:45	02/07/2022 05:15	T
bis(2-Ethylhexyl) phthalate	0.035 U	mg/Kg	0.22	0.035	1	02/04/2022 15:45	02/07/2022 05:15	T
(SM 2540G)								
Percent Moisture	**10**	%	0.001	0.0010	1	02/03/2022 11:40	02/03/2022 11:40	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1-Trichloroethane	0.00067 U	mg/Kg	0.0029	0.00067	1	02/05/2022 02:27	02/05/2022 11:36	T
1,1,2,2-Tetrachloroethane	0.00049 U	mg/Kg	0.0029	0.00049	1	02/05/2022 02:27	02/05/2022 11:36	T
1,1,2-Trichloroethane	0.00047 U	mg/Kg	0.0029	0.00047	1	02/05/2022 02:27	02/05/2022 11:36	T
1,1-Dichloroethane	0.00068 U	mg/Kg	0.0029	0.00068	1	02/05/2022 02:27	02/05/2022 11:36	T
1,1-Dichloroethylene	0.00071 U	mg/Kg	0.0029	0.00071	1	02/05/2022 02:27	02/05/2022 11:36	T
1,2-Dichlorobenzene	0.00046 U	mg/Kg	0.0029	0.00046	1	02/05/2022 02:27	02/05/2022 11:36	T
1,2-Dichloroethane	0.00076 U	mg/Kg	0.0029	0.00076	1	02/05/2022 02:27	02/05/2022 11:36	T
1,2-Dichloropropane	0.00052 U	mg/Kg	0.0029	0.00052	1	02/05/2022 02:27	02/05/2022 11:36	T
1,3-Dichlorobenzene	0.00053 U	mg/Kg	0.0029	0.00053	1	02/05/2022 02:27	02/05/2022 11:36	T
1,4-Dichlorobenzene	0.00064 U	mg/Kg	0.0029	0.00064	1	02/05/2022 02:27	02/05/2022 11:36	T
2-Chloroethyl Vinyl Ether	0.0025 U	mg/Kg	0.0029	0.0025	1	02/05/2022 02:27	02/05/2022 11:36	T
Acrolein (Propenal)	0.0060 U	mg/Kg	0.014	0.0060	1	02/05/2022 02:27	02/05/2022 11:36	T
Acrylonitrile	0.00050 U	mg/Kg	0.0029	0.00050	1	02/05/2022 02:27	02/05/2022 11:36	T
Benzene	0.00048 U	mg/Kg	0.0029	0.00048	1	02/05/2022 02:27	02/05/2022 11:36	T
Bromodichloromethane	0.00051 U	mg/Kg	0.0029	0.00051	1	02/05/2022 02:27	02/05/2022 11:36	T
Bromoform	0.0019 U	mg/Kg	0.0029	0.0019	1	02/05/2022 02:27	02/05/2022 11:36	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342004 **Date Collected:** 02/01/2022 13:25 **Matrix:** Soil
Sample ID: SB-4 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Bromomethane	0.0012 U	mg/Kg	0.0029	0.0012	1	02/05/2022 02:27	02/05/2022 11:36	T
Carbon Tetrachloride	0.00082 U	mg/Kg	0.0029	0.00082	1	02/05/2022 02:27	02/05/2022 11:36	T
Chlorobenzene	0.00043 U	mg/Kg	0.0029	0.00043	1	02/05/2022 02:27	02/05/2022 11:36	T
Chloroethane	0.0014 U	mg/Kg	0.0029	0.0014	1	02/05/2022 02:27	02/05/2022 11:36	T
Chloroform	0.00059 U	mg/Kg	0.0029	0.00059	1	02/05/2022 02:27	02/05/2022 11:36	T
Chloromethane	0.00066 U	mg/Kg	0.0029	0.00066	1	02/05/2022 02:27	02/05/2022 11:36	T
Dibromochloromethane	0.0017 U	mg/Kg	0.0029	0.0017	1	02/05/2022 02:27	02/05/2022 11:36	T
Dichlorodifluoromethane	0.00099 U	mg/Kg	0.0029	0.00099	1	02/05/2022 02:27	02/05/2022 11:36	T
Ethylbenzene	0.00034 U	mg/Kg	0.0029	0.00034	1	02/05/2022 02:27	02/05/2022 11:36	T
Methyl tert-butyl Ether (MTBE)	0.00095 U	mg/Kg	0.0029	0.00095	1	02/05/2022 02:27	02/05/2022 11:36	T
Methylene Chloride	0.0039 U	mg/Kg	0.0048	0.0039	1	02/05/2022 02:27	02/05/2022 11:36	T
Tetrachloroethylene (PCE)	0.00055 U	mg/Kg	0.0029	0.00055	1	02/05/2022 02:27	02/05/2022 11:36	T
Toluene	0.00036 U	mg/Kg	0.0029	0.00036	1	02/05/2022 02:27	02/05/2022 11:36	T
Trichloroethene	0.00071 U	mg/Kg	0.0029	0.00071	1	02/05/2022 02:27	02/05/2022 11:36	T
Trichlorofluoromethane	0.00064 U	mg/Kg	0.0029	0.00064	1	02/05/2022 02:27	02/05/2022 11:36	T
Vinyl Chloride	0.00056 U	mg/Kg	0.0029	0.00056	1	02/05/2022 02:27	02/05/2022 11:36	T
Xylene (Total)	0.0013 U	mg/Kg	0.0058	0.0013	1	02/05/2022 02:27	02/05/2022 11:36	T
cis-1,2-Dichloroethylene	0.00057 U	mg/Kg	0.0029	0.00057	1	02/05/2022 02:27	02/05/2022 11:36	T
cis-1,3-Dichloropropene	0.0021 U	mg/Kg	0.0029	0.0021	1	02/05/2022 02:27	02/05/2022 11:36	T
trans-1,2-Dichloroethylene	0.00059 U	mg/Kg	0.0029	0.00059	1	02/05/2022 02:27	02/05/2022 11:36	T
trans-1,3-Dichloropropylene	0.0018 U	mg/Kg	0.0029	0.0018	1	02/05/2022 02:27	02/05/2022 11:36	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Analysis Results Comments

Decachlorobiphenyl

J4|Estimated Result

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Toluene-d8 (S)	ug/Kg	43	41	95	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	43	47	108	79 - 126	T
1,2-Dichloroethane-d4 (S)	ug/Kg	43	41	94	69 - 134	T
2-Fluorobiphenyl (S)	mg/Kg	0.39	0.25	64	37 - 127	T
Nitrobenzene-d5 (S)	mg/Kg	0.39	0.30	75	33 - 134	T
p-Terphenyl-d14 (S)	mg/Kg	0.39	0.31	79	42 - 141	T
o-Terphenyl (S)	mg/Kg	2	1.60	81	66 - 136	T
Nonatricontane-C39 (S)	mg/Kg	5.90	5.80	98	36 - 132	T
Decachlorobiphenyl (S)	ug/Kg	76	39	**52**	63 - 130	M
Tetrachloro-m-xylene (S)	ug/Kg	150	130	87	42 - 129	M
2,4,6-Tribromophenol (S)	mg/Kg	2	2.10	104	39 - 132	T
Phenol-d6 (S)	mg/Kg	2	1.80	88	33 - 122	T
2-Fluorobiphenyl (S)	mg/Kg	2	1.70	86	44 - 115	T
2-Fluorophenol (S)	mg/Kg	2	1.80	88	35 - 115	T
Nitrobenzene-d5 (S)	mg/Kg	2	1.80	92	37 - 122	T
p-Terphenyl-d14 (S)	mg/Kg	2	1.90	95	54 - 127	T
Decachlorobiphenyl (S)	ug/Kg	76	39	**52**	61 - 147	M
Tetrachloro-m-xylene (S)	ug/Kg	150	130	87	44 - 130	M

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342005 **Date Collected:** 02/02/2022 10:20 **Matrix:** Soil
Sample ID: SB-5 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**4.3**	mg/Kg	2.7	1.3	10	02/08/2022 11:00	02/09/2022 19:30	T
Cadmium	0.27 U	mg/Kg	0.54	0.27	10	02/08/2022 11:00	02/09/2022 19:30	T
Chromium	**45**	mg/Kg	2.7	2.1	10	02/08/2022 11:00	02/09/2022 19:30	T
Lead	**15**	mg/Kg	2.7	1.3	10	02/08/2022 11:00	02/09/2022 19:30	T
SEMIVOLATILES (FL-PRO)								
TPH	**11 I**	mg/Kg	15	5.3	1	02/03/2022 13:00	02/04/2022 00:51	T
SEMIVOLATILES (SW-846 3550B/EPA 8081)								
4,4`-DDD	0.0012 U	mg/Kg	0.0018	0.0012	1	02/04/2022 09:30	02/04/2022 00:00	M
4,4`-DDE	0.0012 U	mg/Kg	0.0018	0.0012	1	02/04/2022 09:30	02/04/2022 00:00	M
4,4`-DDT	0.0012 U	mg/Kg	0.0018	0.0012	1	02/04/2022 09:30	02/04/2022 00:00	M
Aldrin	0.0012 U	mg/Kg	0.0018	0.0012	1	02/04/2022 09:30	02/04/2022 00:00	M
Chlordane (technical)	0.011 U	mg/Kg	0.037	0.011	1	02/04/2022 09:30	02/04/2022 00:00	M
Dieldrin	0.0012 U	mg/Kg	0.0018	0.0012	1	02/04/2022 09:30	02/04/2022 00:00	M
Endosulfan I	0.0012 U	mg/Kg	0.0018	0.0012	1	02/04/2022 09:30	02/04/2022 00:00	M
Endosulfan II	0.0012 U	mg/Kg	0.0018	0.0012	1	02/04/2022 09:30	02/04/2022 00:00	M
Endosulfan Sulfate	0.0012 U	mg/Kg	0.0018	0.0012	1	02/04/2022 09:30	02/04/2022 00:00	M
Endrin	0.0012 U	mg/Kg	0.0018	0.0012	1	02/04/2022 09:30	02/04/2022 00:00	M
Endrin Aldehyde	0.0012 U	mg/Kg	0.0018	0.0012	1	02/04/2022 09:30	02/04/2022 00:00	M
Heptachlor	0.0012 U	mg/Kg	0.0018	0.0012	1	02/04/2022 09:30	02/04/2022 00:00	M
Heptachlor Epoxide	0.0012 U	mg/Kg	0.0018	0.0012	1	02/04/2022 09:30	02/04/2022 00:00	M
Methoxychlor	0.0012 U	mg/Kg	0.0018	0.0012	1	02/04/2022 09:30	02/04/2022 00:00	M
Toxaphene	0.012 U	mg/Kg	0.037	0.012	1	02/04/2022 09:30	02/04/2022 00:00	M
alpha-BHC	0.0012 U	mg/Kg	0.0018	0.0012	1	02/04/2022 09:30	02/04/2022 00:00	M
beta-BHC	0.0012 U	mg/Kg	0.0018	0.0012	1	02/04/2022 09:30	02/04/2022 00:00	M
delta-BHC	0.0012 U	mg/Kg	0.0018	0.0012	1	02/04/2022 09:30	02/04/2022 00:00	M
gamma-BHC (Lindane)	0.0012 U	mg/Kg	0.0018	0.0012	1	02/04/2022 09:30	02/04/2022 00:00	M
SEMIVOLATILES (SW-846 3550B/SW-846 8082A)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342005 **Date Collected:** 02/02/2022 10:20 **Matrix:** Soil
Sample ID: SB-5 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Aroclor 1016 (PCB-1016)	0.022 U	mg/Kg	0.037	0.022	1	02/04/2022 12:35	02/04/2022 19:31	M
Aroclor 1221 (PCB-1221)	0.026 U	mg/Kg	0.037	0.026	1	02/04/2022 12:35	02/04/2022 19:31	M
Aroclor 1232 (PCB-1232)	0.035 U	mg/Kg	0.037	0.035	1	02/04/2022 12:35	02/04/2022 19:31	M
Aroclor 1242 (PCB-1242)	0.028 U	mg/Kg	0.037	0.028	1	02/04/2022 12:35	02/04/2022 19:31	M
Aroclor 1248 (PCB-1248)	0.013 U	mg/Kg	0.037	0.013	1	02/04/2022 12:35	02/04/2022 19:31	M
Aroclor 1254 (PCB-1254)	0.0073 U	mg/Kg	0.037	0.0073	1	02/04/2022 12:35	02/04/2022 19:31	M
Aroclor 1260 (PCB-1260)	0.044 U	mg/Kg	0.073	0.044	1	02/04/2022 12:35	02/04/2022 19:31	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	0.0017 U	mg/Kg	0.0089	0.0017	1	02/03/2022 13:00	02/05/2022 02:22	T
2-Methylnaphthalene	0.0022 U	mg/Kg	0.0089	0.0022	1	02/03/2022 13:00	02/05/2022 02:22	T
Acenaphthene	0.0016 U	mg/Kg	0.0089	0.0016	1	02/03/2022 13:00	02/05/2022 02:22	T
Acenaphthylene	**0.0055 I**	mg/Kg	0.0089	0.0019	1	02/03/2022 13:00	02/05/2022 02:22	T
Anthracene	**0.0078 I**	mg/Kg	0.0089	0.0027	1	02/03/2022 13:00	02/05/2022 02:22	T
Benzo[a]anthracene	**0.0083 I**	mg/Kg	0.0089	0.0021	1	02/03/2022 13:00	02/05/2022 02:22	T
Benzo[a]pyrene	**0.013**	mg/Kg	0.0089	0.0018	1	02/03/2022 13:00	02/05/2022 02:22	T
Benzo[b]fluoranthene	**0.026**	mg/Kg	0.0089	0.0017	1	02/03/2022 13:00	02/05/2022 02:22	T
Benzo[g,h,i]perylene	**0.017**	mg/Kg	0.0089	0.0021	1	02/03/2022 13:00	02/05/2022 02:22	T
Benzo[k]fluoranthene	**0.0090**	mg/Kg	0.0089	0.0025	1	02/03/2022 13:00	02/05/2022 02:22	T
Chrysene	**0.0075 I**	mg/Kg	0.0089	0.0031	1	02/03/2022 13:00	02/05/2022 02:22	T
Dibenzo[a,h]anthracene	**0.0039 I**	mg/Kg	0.0089	0.0018	1	02/03/2022 13:00	02/05/2022 02:22	T
Fluoranthene	**0.0060 I**	mg/Kg	0.0089	0.0030	1	02/03/2022 13:00	02/05/2022 02:22	T
Fluorene	0.0023 U	mg/Kg	0.0089	0.0023	1	02/03/2022 13:00	02/05/2022 02:22	T
Indeno(1,2,3-cd)pyrene	**0.016**	mg/Kg	0.0089	0.0026	1	02/03/2022 13:00	02/05/2022 02:22	T
Naphthalene	0.0018 U	mg/Kg	0.0089	0.0018	1	02/03/2022 13:00	02/05/2022 02:22	T
Phenanthrene	0.0023 U	mg/Kg	0.0089	0.0023	1	02/03/2022 13:00	02/05/2022 02:22	T
Pyrene	**0.011**	mg/Kg	0.0089	0.0025	1	02/03/2022 13:00	02/05/2022 02:22	T
SEMIVOLATILES (SW-846 3550B/SW-846 8270C)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342005 **Date Collected:** 02/02/2022 10:20 **Matrix:** Soil
Sample ID: SB-5 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,2,4-Trichlorobenzene	0.034 U	mg/Kg	0.23	0.034	1	02/04/2022 15:45	02/06/2022 19:44	T
1,2-Dichlorobenzene	0.045 U	mg/Kg	0.23	0.045	1	02/04/2022 15:45	02/06/2022 19:44	T
1,2-Diphenylhydrazine	0.086 U	mg/Kg	0.23	0.086	1	02/04/2022 15:45	02/06/2022 19:44	T
1,3-Dichlorobenzene	0.024 U	mg/Kg	0.23	0.024	1	02/04/2022 15:45	02/06/2022 19:44	T
1,4-Dichlorobenzene	0.050 U	mg/Kg	0.23	0.050	1	02/04/2022 15:45	02/06/2022 19:44	T
1-Methylnaphthalene	0.0044 U	mg/Kg	0.23	0.0044	1	02/04/2022 15:45	02/06/2022 19:44	T
2,4,6-Trichlorophenol	0.042 U	mg/Kg	0.23	0.042	1	02/04/2022 15:45	02/06/2022 19:44	T
2,4-Dichlorophenol	0.048 U	mg/Kg	0.23	0.048	1	02/04/2022 15:45	02/06/2022 19:44	T
2,4-Dimethylphenol	0.048 U	mg/Kg	0.23	0.048	1	02/04/2022 15:45	02/06/2022 19:44	T
2,4-Dinitrophenol	0.14 U	mg/Kg	0.23	0.14	1	02/04/2022 15:45	02/06/2022 19:44	T
2,4-Dinitrotoluene (2,4-DNT)	0.071 U	mg/Kg	0.23	0.071	1	02/04/2022 15:45	02/06/2022 19:44	T
2,6-Dinitrotoluene (2,6-DNT)	0.057 U	mg/Kg	0.23	0.057	1	02/04/2022 15:45	02/06/2022 19:44	T
2-Chloronaphthalene	0.044 U	mg/Kg	0.23	0.044	1	02/04/2022 15:45	02/06/2022 19:44	T
2-Chlorophenol	0.040 U	mg/Kg	0.23	0.040	1	02/04/2022 15:45	02/06/2022 19:44	T
2-Methyl-4,6-dinitrophenol	0.050 U	mg/Kg	0.23	0.050	1	02/04/2022 15:45	02/06/2022 19:44	T
2-Methylnaphthalene	0.0054 U	mg/Kg	0.23	0.0054	1	02/04/2022 15:45	02/06/2022 19:44	T
2-Nitrophenol	0.050 U	mg/Kg	0.23	0.050	1	02/04/2022 15:45	02/06/2022 19:44	T
3,3`-Dichlorobenzidine	0.031 U	mg/Kg	0.23	0.031	1	02/04/2022 15:45	02/06/2022 19:44	T
4-Bromophenyl Phenyl Ether	0.058 U	mg/Kg	0.23	0.058	1	02/04/2022 15:45	02/06/2022 19:44	T
4-Chloro-3-methylphenol	0.048 U	mg/Kg	0.23	0.048	1	02/04/2022 15:45	02/06/2022 19:44	T
4-Chlorophenyl Phenyl Ether	0.050 U	mg/Kg	0.23	0.050	1	02/04/2022 15:45	02/06/2022 19:44	T
4-Nitrophenol	0.064 U	mg/Kg	0.23	0.064	1	02/04/2022 15:45	02/06/2022 19:44	T
Acenaphthene	0.0051 U	mg/Kg	0.23	0.0051	1	02/04/2022 15:45	02/06/2022 19:44	T
Acenaphthylene	**0.0085 I**	mg/Kg	0.23	0.0058	1	02/04/2022 15:45	02/06/2022 19:44	T
Anthracene	**0.0070 I**	mg/Kg	0.23	0.0057	1	02/04/2022 15:45	02/06/2022 19:44	T
Benzidine	0.045 U	mg/Kg	0.23	0.045	1	02/04/2022 15:45	02/06/2022 19:44	T
Benzo[a]anthracene	0.0051 U	mg/Kg	0.23	0.0051	1	02/04/2022 15:45	02/06/2022 19:44	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342005 **Date Collected:** 02/02/2022 10:20 **Matrix:** Soil
Sample ID: SB-5 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[a]pyrene	**0.027 I**	mg/Kg	0.23	0.0048	1	02/04/2022 15:45	02/06/2022 19:44	T
Benzo[b]fluoranthene	**0.050 I**	mg/Kg	0.23	0.0072	1	02/04/2022 15:45	02/06/2022 19:44	T
Benzo[g,h,i]perylene	**0.027 I**	mg/Kg	0.23	0.0042	1	02/04/2022 15:45	02/06/2022 19:44	T
Benzo[k]fluoranthene	0.0075 U	mg/Kg	0.23	0.0075	1	02/04/2022 15:45	02/06/2022 19:44	T
Butyl benzyl phthalate	0.031 U	mg/Kg	0.23	0.031	1	02/04/2022 15:45	02/06/2022 19:44	T
Chrysene	**0.020 I**	mg/Kg	0.23	0.0057	1	02/04/2022 15:45	02/06/2022 19:44	T
Di-n-Butyl Phthalate	0.047 U	mg/Kg	0.23	0.047	1	02/04/2022 15:45	02/06/2022 19:44	T
Di-n-octyl Phthalate	0.030 U	mg/Kg	0.23	0.030	1	02/04/2022 15:45	02/06/2022 19:44	T
Dibenzo[a,h]anthracene	**0.0071 I**	mg/Kg	0.23	0.0043	1	02/04/2022 15:45	02/06/2022 19:44	T
Diethyl phthalate	0.044 U	mg/Kg	0.23	0.044	1	02/04/2022 15:45	02/06/2022 19:44	T
Dimethyl phthalate	0.042 U	mg/Kg	0.23	0.042	1	02/04/2022 15:45	02/06/2022 19:44	T
Fluoranthene	0.055 U	mg/Kg	0.23	0.055	1	02/04/2022 15:45	02/06/2022 19:44	T
Fluorene	0.0050 U	mg/Kg	0.23	0.0050	1	02/04/2022 15:45	02/06/2022 19:44	T
Hexachlorobenzene	0.066 U	mg/Kg	0.23	0.066	1	02/04/2022 15:45	02/06/2022 19:44	T
Hexachlorobutadiene	0.037 U	mg/Kg	0.23	0.037	1	02/04/2022 15:45	02/06/2022 19:44	T
Hexachlorocyclopentadiene	0.038 U	mg/Kg	0.23	0.038	1	02/04/2022 15:45	02/06/2022 19:44	T
Hexachloroethane	0.031 U	mg/Kg	0.23	0.031	1	02/04/2022 15:45	02/06/2022 19:44	T
Indeno(1,2,3-cd)pyrene	**0.026 I**	mg/Kg	0.23	0.0044	1	02/04/2022 15:45	02/06/2022 19:44	T
Isophorone	0.025 U	mg/Kg	0.23	0.025	1	02/04/2022 15:45	02/06/2022 19:44	T
N-Nitrosodi-n-propylamine	0.040 U	mg/Kg	0.23	0.040	1	02/04/2022 15:45	02/06/2022 19:44	T
N-Nitrosodimethylamine	0.010 U	mg/Kg	0.23	0.010	1	02/04/2022 15:45	02/06/2022 19:44	T
N-Nitrosodiphenylamine	0.030 U	mg/Kg	0.23	0.030	1	02/04/2022 15:45	02/06/2022 19:44	T
Naphthalene	0.0054 U	mg/Kg	0.23	0.0054	1	02/04/2022 15:45	02/06/2022 19:44	T
Nitrobenzene	0.054 U	mg/Kg	0.23	0.054	1	02/04/2022 15:45	02/06/2022 19:44	T
Pentachlorophenol	0.075 U	mg/Kg	0.23	0.075	1	02/04/2022 15:45	02/06/2022 19:44	T
Phenanthrene	0.0064 U	mg/Kg	0.23	0.0064	1	02/04/2022 15:45	02/06/2022 19:44	T
Phenol	0.044 U	mg/Kg	0.23	0.044	1	02/04/2022 15:45	02/06/2022 19:44	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342005 **Date Collected:** 02/02/2022 10:20 **Matrix:** Soil
Sample ID: SB-5 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	**0.019 I**	mg/Kg	0.23	0.0049	1	02/04/2022 15:45	02/06/2022 19:44	T
bis(2-Chloroethoxy)methane	0.033 U	mg/Kg	0.23	0.033	1	02/04/2022 15:45	02/06/2022 19:44	T
bis(2-Chloroethyl)Ether	0.046 U	mg/Kg	0.23	0.046	1	02/04/2022 15:45	02/06/2022 19:44	T
bis(2-Chloroisopropyl) Ether	0.041 U	mg/Kg	0.23	0.041	1	02/04/2022 15:45	02/06/2022 19:44	T
bis(2-Ethylhexyl) phthalate	0.035 U	mg/Kg	0.23	0.035	1	02/04/2022 15:45	02/06/2022 19:44	T
(SM 2540G)								
Percent Moisture	**11**	%	0.001	0.0010	1	02/03/2022 11:40	02/03/2022 11:40	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1-Trichloroethane	0.00075 U	mg/Kg	0.0032	0.00075	1	02/05/2022 02:27	02/05/2022 12:03	T
1,1,2,2-Tetrachloroethane	0.00055 U	mg/Kg	0.0032	0.00055	1	02/05/2022 02:27	02/05/2022 12:03	T
1,1,2-Trichloroethane	0.00053 U	mg/Kg	0.0032	0.00053	1	02/05/2022 02:27	02/05/2022 12:03	T
1,1-Dichloroethane	0.00076 U	mg/Kg	0.0032	0.00076	1	02/05/2022 02:27	02/05/2022 12:03	T
1,1-Dichloroethylene	0.00079 U	mg/Kg	0.0032	0.00079	1	02/05/2022 02:27	02/05/2022 12:03	T
1,2-Dichlorobenzene	0.00051 U	mg/Kg	0.0032	0.00051	1	02/05/2022 02:27	02/05/2022 12:03	T
1,2-Dichloroethane	0.00085 U	mg/Kg	0.0032	0.00085	1	02/05/2022 02:27	02/05/2022 12:03	T
1,2-Dichloropropane	0.00058 U	mg/Kg	0.0032	0.00058	1	02/05/2022 02:27	02/05/2022 12:03	T
1,3-Dichlorobenzene	0.00060 U	mg/Kg	0.0032	0.00060	1	02/05/2022 02:27	02/05/2022 12:03	T
1,4-Dichlorobenzene	0.00072 U	mg/Kg	0.0032	0.00072	1	02/05/2022 02:27	02/05/2022 12:03	T
2-Chloroethyl Vinyl Ether	0.0028 U	mg/Kg	0.0032	0.0028	1	02/05/2022 02:27	02/05/2022 12:03	T
Acrolein (Propenal)	0.0067 U	mg/Kg	0.016	0.0067	1	02/05/2022 02:27	02/05/2022 12:03	T
Acrylonitrile	0.00056 U	mg/Kg	0.0032	0.00056	1	02/05/2022 02:27	02/05/2022 12:03	T
Benzene	0.00054 U	mg/Kg	0.0032	0.00054	1	02/05/2022 02:27	02/05/2022 12:03	T
Bromodichloromethane	0.00057 U	mg/Kg	0.0032	0.00057	1	02/05/2022 02:27	02/05/2022 12:03	T
Bromoform	0.0022 U	mg/Kg	0.0032	0.0022	1	02/05/2022 02:27	02/05/2022 12:03	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342005 **Date Collected:** 02/02/2022 10:20 **Matrix:** Soil
Sample ID: SB-5 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Bromomethane	0.0013 U	mg/Kg	0.0032	0.0013	1	02/05/2022 02:27	02/05/2022 12:03	T
Carbon Tetrachloride	0.00091 U	mg/Kg	0.0032	0.00091	1	02/05/2022 02:27	02/05/2022 12:03	T
Chlorobenzene	0.00048 U	mg/Kg	0.0032	0.00048	1	02/05/2022 02:27	02/05/2022 12:03	T
Chloroethane	0.0016 U	mg/Kg	0.0032	0.0016	1	02/05/2022 02:27	02/05/2022 12:03	T
Chloroform	0.00066 U	mg/Kg	0.0032	0.00066	1	02/05/2022 02:27	02/05/2022 12:03	T
Chloromethane	0.00074 U	mg/Kg	0.0032	0.00074	1	02/05/2022 02:27	02/05/2022 12:03	T
Dibromochloromethane	0.0019 U	mg/Kg	0.0032	0.0019	1	02/05/2022 02:27	02/05/2022 12:03	T
Dichlorodifluoromethane	0.0011 U	mg/Kg	0.0032	0.0011	1	02/05/2022 02:27	02/05/2022 12:03	T
Ethylbenzene	0.00038 U	mg/Kg	0.0032	0.00038	1	02/05/2022 02:27	02/05/2022 12:03	T
Methyl tert-butyl Ether (MTBE)	0.0011 U	mg/Kg	0.0032	0.0011	1	02/05/2022 02:27	02/05/2022 12:03	T
Methylene Chloride	0.0044 U	mg/Kg	0.0054	0.0044	1	02/05/2022 02:27	02/05/2022 12:03	T
Tetrachloroethylene (PCE)	0.00062 U	mg/Kg	0.0032	0.00062	1	02/05/2022 02:27	02/05/2022 12:03	T
Toluene	0.00040 U	mg/Kg	0.0032	0.00040	1	02/05/2022 02:27	02/05/2022 12:03	T
Trichloroethene	0.00080 U	mg/Kg	0.0032	0.00080	1	02/05/2022 02:27	02/05/2022 12:03	T
Trichlorofluoromethane	0.00072 U	mg/Kg	0.0032	0.00072	1	02/05/2022 02:27	02/05/2022 12:03	T
Vinyl Chloride	0.00062 U	mg/Kg	0.0032	0.00062	1	02/05/2022 02:27	02/05/2022 12:03	T
Xylene (Total)	0.0014 U	mg/Kg	0.0065	0.0014	1	02/05/2022 02:27	02/05/2022 12:03	T
cis-1,2-Dichloroethylene	0.00064 U	mg/Kg	0.0032	0.00064	1	02/05/2022 02:27	02/05/2022 12:03	T
cis-1,3-Dichloropropene	0.0023 U	mg/Kg	0.0032	0.0023	1	02/05/2022 02:27	02/05/2022 12:03	T
trans-1,2-Dichloroethylene	0.00066 U	mg/Kg	0.0032	0.00066	1	02/05/2022 02:27	02/05/2022 12:03	T
trans-1,3-Dichloropropylene	0.0020 U	mg/Kg	0.0032	0.0020	1	02/05/2022 02:27	02/05/2022 12:03	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Analysis Results Comments

Benzidine

J4|Estimated Result

Decachlorobiphenyl

J4|Estimated Result

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	48	44	92	69 - 134	T
Toluene-d8 (S)	ug/Kg	48	46	97	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	48	52	108	79 - 126	T
2-Fluorobiphenyl (S)	mg/Kg	0.39	0.24	60	37 - 127	T
Nitrobenzene-d5 (S)	mg/Kg	0.39	0.28	72	33 - 134	T
p-Terphenyl-d14 (S)	mg/Kg	0.39	0.29	74	42 - 141	T
Nonatricontane-C39 (S)	mg/Kg	5.90	5.20	88	36 - 132	T
o-Terphenyl (S)	mg/Kg	2	1.50	75	66 - 136	T
Decachlorobiphenyl (S)	ug/Kg	81	49	**60**	63 - 130	M
Tetrachloro-m-xylene (S)	ug/Kg	160	170	107	42 - 129	M
2,4,6-Tribromophenol (S)	mg/Kg	2	2	100	39 - 132	T
Phenol-d6 (S)	mg/Kg	2	1.40	69	33 - 122	T
2-Fluorobiphenyl (S)	mg/Kg	2	1.50	74	44 - 115	T
2-Fluorophenol (S)	mg/Kg	2	1.40	71	35 - 115	T
Nitrobenzene-d5 (S)	mg/Kg	2	1.50	76	37 - 122	T
p-Terphenyl-d14 (S)	mg/Kg	2	1.90	95	54 - 127	T
Decachlorobiphenyl (S)	ug/Kg	81	49	**60**	61 - 147	M
Tetrachloro-m-xylene (S)	ug/Kg	160	170	107	44 - 130	M

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342006 **Date Collected:** 02/02/2022 10:50 **Matrix:** Soil
Sample ID: SB-6 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**2.1**	mg/Kg	1.2	0.62	5	02/08/2022 11:00	02/09/2022 19:33	T
Cadmium	0.12 U	mg/Kg	0.25	0.12	5	02/08/2022 11:00	02/09/2022 19:33	T
Chromium	**8.7**	mg/Kg	1.2	1.0	5	02/08/2022 11:00	02/09/2022 19:33	T
Lead	**8.2**	mg/Kg	1.2	0.62	5	02/08/2022 11:00	02/09/2022 19:33	T
SEMIVOLATILES (FL-PRO)								
TPH	**5.8 I**	mg/Kg	14	5.0	1	02/03/2022 13:00	02/04/2022 04:35	T
SEMIVOLATILES (SW-846 3550B/EPA 8081)								
4,4`-DDD	0.00099 U	mg/Kg	0.0015	0.00099	1	02/04/2022 09:30	02/04/2022 00:00	M
4,4`-DDE	0.00099 U	mg/Kg	0.0015	0.00099	1	02/04/2022 09:30	02/04/2022 00:00	M
4,4`-DDT	0.00099 U	mg/Kg	0.0015	0.00099	1	02/04/2022 09:30	02/04/2022 00:00	M
Aldrin	0.00099 U	mg/Kg	0.0015	0.00099	1	02/04/2022 09:30	02/04/2022 00:00	M
Chlordane (technical)	0.0090 U	mg/Kg	0.030	0.0090	1	02/04/2022 09:30	02/04/2022 00:00	M
Dieldrin	0.00099 U	mg/Kg	0.0015	0.00099	1	02/04/2022 09:30	02/04/2022 00:00	M
Endosulfan I	0.00099 U	mg/Kg	0.0015	0.00099	1	02/04/2022 09:30	02/04/2022 00:00	M
Endosulfan II	0.00099 U	mg/Kg	0.0015	0.00099	1	02/04/2022 09:30	02/04/2022 00:00	M
Endosulfan Sulfate	0.00099 U	mg/Kg	0.0015	0.00099	1	02/04/2022 09:30	02/04/2022 00:00	M
Endrin	0.00099 U	mg/Kg	0.0015	0.00099	1	02/04/2022 09:30	02/04/2022 00:00	M
Endrin Aldehyde	0.00099 U	mg/Kg	0.0015	0.00099	1	02/04/2022 09:30	02/04/2022 00:00	M
Heptachlor	0.00099 U	mg/Kg	0.0015	0.00099	1	02/04/2022 09:30	02/04/2022 00:00	M
Heptachlor Epoxide	0.00099 U	mg/Kg	0.0015	0.00099	1	02/04/2022 09:30	02/04/2022 00:00	M
Methoxychlor	0.00099 U	mg/Kg	0.0015	0.00099	1	02/04/2022 09:30	02/04/2022 00:00	M
Toxaphene	0.0097 U	mg/Kg	0.030	0.0097	1	02/04/2022 09:30	02/04/2022 00:00	M
alpha-BHC	0.00099 U	mg/Kg	0.0015	0.00099	1	02/04/2022 09:30	02/04/2022 00:00	M

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342006 **Date Collected:** 02/02/2022 10:50 **Matrix:** Soil
Sample ID: SB-6 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
beta-BHC	0.00099 U	mg/Kg	0.0015	0.00099	1	02/04/2022 09:30	02/04/2022 00:00	M
delta-BHC	0.00099 U	mg/Kg	0.0015	0.00099	1	02/04/2022 09:30	02/04/2022 00:00	M
gamma-BHC (Lindane)	0.00099 U	mg/Kg	0.0015	0.00099	1	02/04/2022 09:30	02/04/2022 00:00	M
SEMIVOLATILES (SW-846 3550B/SW-846 8082A)								
Aroclor 1016 (PCB-1016)	0.018 U	mg/Kg	0.030	0.018	1	02/04/2022 12:35	02/04/2022 19:52	M
Aroclor 1221 (PCB-1221)	0.021 U	mg/Kg	0.030	0.021	1	02/04/2022 12:35	02/04/2022 19:52	M
Aroclor 1232 (PCB-1232)	0.029 U	mg/Kg	0.030	0.029	1	02/04/2022 12:35	02/04/2022 19:52	M
Aroclor 1242 (PCB-1242)	0.023 U	mg/Kg	0.030	0.023	1	02/04/2022 12:35	02/04/2022 19:52	M
Aroclor 1248 (PCB-1248)	0.011 U	mg/Kg	0.030	0.011	1	02/04/2022 12:35	02/04/2022 19:52	M
Aroclor 1254 (PCB-1254)	0.0061 U	mg/Kg	0.030	0.0061	1	02/04/2022 12:35	02/04/2022 19:52	M
Aroclor 1260 (PCB-1260)	0.036 U	mg/Kg	0.061	0.036	1	02/04/2022 12:35	02/04/2022 19:52	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	0.0016 U	mg/Kg	0.0084	0.0016	1	02/03/2022 13:00	02/05/2022 02:51	T
2-Methylnaphthalene	0.0021 U	mg/Kg	0.0084	0.0021	1	02/03/2022 13:00	02/05/2022 02:51	T
Acenaphthene	0.0015 U	mg/Kg	0.0084	0.0015	1	02/03/2022 13:00	02/05/2022 02:51	T
Acenaphthylene	**0.020**	mg/Kg	0.0084	0.0018	1	02/03/2022 13:00	02/05/2022 02:51	T
Anthracene	**0.019**	mg/Kg	0.0084	0.0025	1	02/03/2022 13:00	02/05/2022 02:51	T
Benzo[a]anthracene	**0.023**	mg/Kg	0.0084	0.0020	1	02/03/2022 13:00	02/05/2022 02:51	T
Benzo[a]pyrene	**0.047**	mg/Kg	0.0084	0.0017	1	02/03/2022 13:00	02/05/2022 02:51	T
Benzo[b]fluoranthene	**0.081**	mg/Kg	0.0084	0.0016	1	02/03/2022 13:00	02/05/2022 02:51	T
Benzo[g,h,i]perylene	**0.047**	mg/Kg	0.0084	0.0019	1	02/03/2022 13:00	02/05/2022 02:51	T
Benzo[k]fluoranthene	**0.030**	mg/Kg	0.0084	0.0024	1	02/03/2022 13:00	02/05/2022 02:51	T
Chrysene	**0.016**	mg/Kg	0.0084	0.0030	1	02/03/2022 13:00	02/05/2022 02:51	T
Dibenzo[a,h]anthracene	**0.013**	mg/Kg	0.0084	0.0017	1	02/03/2022 13:00	02/05/2022 02:51	T
Fluoranthene	**0.014**	mg/Kg	0.0084	0.0028	1	02/03/2022 13:00	02/05/2022 02:51	T
Fluorene	0.0022 U	mg/Kg	0.0084	0.0022	1	02/03/2022 13:00	02/05/2022 02:51	T
Indeno(1,2,3-cd)pyrene	**0.049**	mg/Kg	0.0084	0.0024	1	02/03/2022 13:00	02/05/2022 02:51	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342006 **Date Collected:** 02/02/2022 10:50 **Matrix:** Soil
Sample ID: SB-6 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Naphthalene	0.0017 U	mg/Kg	0.0084	0.0017	1	02/03/2022 13:00	02/05/2022 02:51	T
Phenanthrene	0.0022 U	mg/Kg	0.0084	0.0022	1	02/03/2022 13:00	02/05/2022 02:51	T
Pyrene	**0.037**	mg/Kg	0.0084	0.0024	1	02/03/2022 13:00	02/05/2022 02:51	T
SEMIVOLATILES (SW-846 3550B/SW-846 8270C)								
1,2,4-Trichlorobenzene	0.031 U	mg/Kg	0.21	0.031	1	02/04/2022 15:45	02/06/2022 21:34	T
1,2-Dichlorobenzene	0.043 U	mg/Kg	0.21	0.043	1	02/04/2022 15:45	02/06/2022 21:34	T
1,2-Diphenylhydrazine	0.081 U	mg/Kg	0.21	0.081	1	02/04/2022 15:45	02/06/2022 21:34	T
1,3-Dichlorobenzene	0.022 U	mg/Kg	0.21	0.022	1	02/04/2022 15:45	02/06/2022 21:34	T
1,4-Dichlorobenzene	0.047 U	mg/Kg	0.21	0.047	1	02/04/2022 15:45	02/06/2022 21:34	T
1-Methylnaphthalene	0.0041 U	mg/Kg	0.21	0.0041	1	02/04/2022 15:45	02/06/2022 21:34	T
2,4,6-Trichlorophenol	0.039 U	mg/Kg	0.21	0.039	1	02/04/2022 15:45	02/06/2022 21:34	T
2,4-Dichlorophenol	0.045 U	mg/Kg	0.21	0.045	1	02/04/2022 15:45	02/06/2022 21:34	T
2,4-Dimethylphenol	0.045 U	mg/Kg	0.21	0.045	1	02/04/2022 15:45	02/06/2022 21:34	T
2,4-Dinitrophenol	0.13 U	mg/Kg	0.21	0.13	1	02/04/2022 15:45	02/06/2022 21:34	T
2,4-Dinitrotoluene (2,4-DNT)	0.067 U	mg/Kg	0.21	0.067	1	02/04/2022 15:45	02/06/2022 21:34	T
2,6-Dinitrotoluene (2,6-DNT)	0.053 U	mg/Kg	0.21	0.053	1	02/04/2022 15:45	02/06/2022 21:34	T
2-Chloronaphthalene	0.041 U	mg/Kg	0.21	0.041	1	02/04/2022 15:45	02/06/2022 21:34	T
2-Chlorophenol	0.038 U	mg/Kg	0.21	0.038	1	02/04/2022 15:45	02/06/2022 21:34	T
2-Methyl-4,6-dinitrophenol	0.047 U	mg/Kg	0.21	0.047	1	02/04/2022 15:45	02/06/2022 21:34	T
2-Methylnaphthalene	0.0050 U	mg/Kg	0.21	0.0050	1	02/04/2022 15:45	02/06/2022 21:34	T
2-Nitrophenol	0.047 U	mg/Kg	0.21	0.047	1	02/04/2022 15:45	02/06/2022 21:34	T
3,3`-Dichlorobenzidine	0.029 U	mg/Kg	0.21	0.029	1	02/04/2022 15:45	02/06/2022 21:34	T
4-Bromophenyl Phenyl Ether	0.054 U	mg/Kg	0.21	0.054	1	02/04/2022 15:45	02/06/2022 21:34	T
4-Chloro-3-methylphenol	0.045 U	mg/Kg	0.21	0.045	1	02/04/2022 15:45	02/06/2022 21:34	T
4-Chlorophenyl Phenyl Ether	0.046 U	mg/Kg	0.21	0.046	1	02/04/2022 15:45	02/06/2022 21:34	T
4-Nitrophenol	0.059 U	mg/Kg	0.21	0.059	1	02/04/2022 15:45	02/06/2022 21:34	T
Acenaphthene	0.0048 U	mg/Kg	0.21	0.0048	1	02/04/2022 15:45	02/06/2022 21:34	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342006 **Date Collected:** 02/02/2022 10:50 **Matrix:** Soil
Sample ID: SB-6 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Acenaphthylene	**0.018 I**	mg/Kg	0.21	0.0054	1	02/04/2022 15:45	02/06/2022 21:34	T
Anthracene	**0.012 I**	mg/Kg	0.21	0.0053	1	02/04/2022 15:45	02/06/2022 21:34	T
Benzidine	0.042 U	mg/Kg	0.21	0.042	1	02/04/2022 15:45	02/06/2022 21:34	T
Benzo[a]anthracene	0.0048 U	mg/Kg	0.21	0.0048	1	02/04/2022 15:45	02/06/2022 21:34	T
Benzo[a]pyrene	**0.071 I**	mg/Kg	0.21	0.0045	1	02/04/2022 15:45	02/06/2022 21:34	T
Benzo[b]fluoranthene	**0.12 I**	mg/Kg	0.21	0.0067	1	02/04/2022 15:45	02/06/2022 21:34	T
Benzo[g,h,i]perylene	**0.062 I**	mg/Kg	0.21	0.0040	1	02/04/2022 15:45	02/06/2022 21:34	T
Benzo[k]fluoranthene	0.0070 U	mg/Kg	0.21	0.0070	1	02/04/2022 15:45	02/06/2022 21:34	T
Butyl benzyl phthalate	0.029 U	mg/Kg	0.21	0.029	1	02/04/2022 15:45	02/06/2022 21:34	T
Chrysene	**0.020 I**	mg/Kg	0.21	0.0054	1	02/04/2022 15:45	02/06/2022 21:34	T
Di-n-Butyl Phthalate	0.044 U	mg/Kg	0.21	0.044	1	02/04/2022 15:45	02/06/2022 21:34	T
Di-n-octyl Phthalate	0.028 U	mg/Kg	0.21	0.028	1	02/04/2022 15:45	02/06/2022 21:34	T
Dibenzo[a,h]anthracene	**0.017 I**	mg/Kg	0.21	0.0040	1	02/04/2022 15:45	02/06/2022 21:34	T
Diethyl phthalate	0.041 U	mg/Kg	0.21	0.041	1	02/04/2022 15:45	02/06/2022 21:34	T
Dimethyl phthalate	0.040 U	mg/Kg	0.21	0.040	1	02/04/2022 15:45	02/06/2022 21:34	T
Fluoranthene	0.051 U	mg/Kg	0.21	0.051	1	02/04/2022 15:45	02/06/2022 21:34	T
Fluorene	0.0047 U	mg/Kg	0.21	0.0047	1	02/04/2022 15:45	02/06/2022 21:34	T
Hexachlorobenzene	0.062 U	mg/Kg	0.21	0.062	1	02/04/2022 15:45	02/06/2022 21:34	T
Hexachlorobutadiene	0.035 U	mg/Kg	0.21	0.035	1	02/04/2022 15:45	02/06/2022 21:34	T
Hexachlorocyclopentadiene	0.035 U	mg/Kg	0.21	0.035	1	02/04/2022 15:45	02/06/2022 21:34	T
Hexachloroethane	0.029 U	mg/Kg	0.21	0.029	1	02/04/2022 15:45	02/06/2022 21:34	T
Indeno(1,2,3-cd)pyrene	**0.062 I**	mg/Kg	0.21	0.0042	1	02/04/2022 15:45	02/06/2022 21:34	T
Isophorone	0.024 U	mg/Kg	0.21	0.024	1	02/04/2022 15:45	02/06/2022 21:34	T
N-Nitrosodi-n-propylamine	0.038 U	mg/Kg	0.21	0.038	1	02/04/2022 15:45	02/06/2022 21:34	T
N-Nitrosodimethylamine	0.0095 U	mg/Kg	0.21	0.0095	1	02/04/2022 15:45	02/06/2022 21:34	T
N-Nitrosodiphenylamine	0.028 U	mg/Kg	0.21	0.028	1	02/04/2022 15:45	02/06/2022 21:34	T
Naphthalene	0.0051 U	mg/Kg	0.21	0.0051	1	02/04/2022 15:45	02/06/2022 21:34	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342006 **Date Collected:** 02/02/2022 10:50 **Matrix:** Soil
Sample ID: SB-6 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Nitrobenzene	0.051 U	mg/Kg	0.21	0.051	1	02/04/2022 15:45	02/06/2022 21:34	T
Pentachlorophenol	0.070 U	mg/Kg	0.21	0.070	1	02/04/2022 15:45	02/06/2022 21:34	T
Phenanthrene	0.0060 U	mg/Kg	0.21	0.0060	1	02/04/2022 15:45	02/06/2022 21:34	T
Phenol	0.042 U	mg/Kg	0.21	0.042	1	02/04/2022 15:45	02/06/2022 21:34	T
Pyrene	**0.049 I**	mg/Kg	0.21	0.0046	1	02/04/2022 15:45	02/06/2022 21:34	T
bis(2-Chloroethoxy)methane	0.031 U	mg/Kg	0.21	0.031	1	02/04/2022 15:45	02/06/2022 21:34	T
bis(2-Chloroethyl)Ether	0.043 U	mg/Kg	0.21	0.043	1	02/04/2022 15:45	02/06/2022 21:34	T
bis(2-Chloroisopropyl) Ether	0.039 U	mg/Kg	0.21	0.039	1	02/04/2022 15:45	02/06/2022 21:34	T
bis(2-Ethylhexyl) phthalate	0.033 U	mg/Kg	0.21	0.033	1	02/04/2022 15:45	02/06/2022 21:34	T
(SM 2540G)								
Percent Moisture	**5**	%	0.001	0.0010	1	02/03/2022 11:40	02/03/2022 11:40	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1-Trichloroethane	0.00063 U	mg/Kg	0.0027	0.00063	1	02/05/2022 02:27	02/05/2022 12:30	T
1,1,2,2-Tetrachloroethane	0.00046 U	mg/Kg	0.0027	0.00046	1	02/05/2022 02:27	02/05/2022 12:30	T
1,1,2-Trichloroethane	0.00044 U	mg/Kg	0.0027	0.00044	1	02/05/2022 02:27	02/05/2022 12:30	T
1,1-Dichloroethane	0.00063 U	mg/Kg	0.0027	0.00063	1	02/05/2022 02:27	02/05/2022 12:30	T
1,1-Dichloroethylene	0.00066 U	mg/Kg	0.0027	0.00066	1	02/05/2022 02:27	02/05/2022 12:30	T
1,2-Dichlorobenzene	0.00043 U	mg/Kg	0.0027	0.00043	1	02/05/2022 02:27	02/05/2022 12:30	T
1,2-Dichloroethane	0.00070 U	mg/Kg	0.0027	0.00070	1	02/05/2022 02:27	02/05/2022 12:30	T
1,2-Dichloropropane	0.00048 U	mg/Kg	0.0027	0.00048	1	02/05/2022 02:27	02/05/2022 12:30	T
1,3-Dichlorobenzene	0.00050 U	mg/Kg	0.0027	0.00050	1	02/05/2022 02:27	02/05/2022 12:30	T
1,4-Dichlorobenzene	0.00060 U	mg/Kg	0.0027	0.00060	1	02/05/2022 02:27	02/05/2022 12:30	T
2-Chloroethyl Vinyl Ether	0.0023 U	mg/Kg	0.0027	0.0023	1	02/05/2022 02:27	02/05/2022 12:30	T
Acrolein (Propenal)	0.0056 U	mg/Kg	0.013	0.0056	1	02/05/2022 02:27	02/05/2022 12:30	T
Acrylonitrile	0.00047 U	mg/Kg	0.0027	0.00047	1	02/05/2022 02:27	02/05/2022 12:30	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342006 **Date Collected:** 02/02/2022 10:50 **Matrix:** Soil
Sample ID: SB-6 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzene	0.00045 U	mg/Kg	0.0027	0.00045	1	02/05/2022 02:27	02/05/2022 12:30	T
Bromodichloromethane	0.00048 U	mg/Kg	0.0027	0.00048	1	02/05/2022 02:27	02/05/2022 12:30	T
Bromoform	0.0018 U	mg/Kg	0.0027	0.0018	1	02/05/2022 02:27	02/05/2022 12:30	T
Bromomethane	0.0011 U	mg/Kg	0.0027	0.0011	1	02/05/2022 02:27	02/05/2022 12:30	T
Carbon Tetrachloride	0.00076 U	mg/Kg	0.0027	0.00076	1	02/05/2022 02:27	02/05/2022 12:30	T
Chlorobenzene	0.00040 U	mg/Kg	0.0027	0.00040	1	02/05/2022 02:27	02/05/2022 12:30	T
Chloroethane	0.0013 U	mg/Kg	0.0027	0.0013	1	02/05/2022 02:27	02/05/2022 12:30	T
Chloroform	0.00055 U	mg/Kg	0.0027	0.00055	1	02/05/2022 02:27	02/05/2022 12:30	T
Chloromethane	0.00062 U	mg/Kg	0.0027	0.00062	1	02/05/2022 02:27	02/05/2022 12:30	T
Dibromochloromethane	0.0015 U	mg/Kg	0.0027	0.0015	1	02/05/2022 02:27	02/05/2022 12:30	T
Dichlorodifluoromethane	0.00092 U	mg/Kg	0.0027	0.00092	1	02/05/2022 02:27	02/05/2022 12:30	T
Ethylbenzene	0.00032 U	mg/Kg	0.0027	0.00032	1	02/05/2022 02:27	02/05/2022 12:30	T
Methyl tert-butyl Ether (MTBE)	0.00089 U	mg/Kg	0.0027	0.00089	1	02/05/2022 02:27	02/05/2022 12:30	T
Methylene Chloride	0.0036 U	mg/Kg	0.0045	0.0036	1	02/05/2022 02:27	02/05/2022 12:30	T
Tetrachloroethylene (PCE)	0.00051 U	mg/Kg	0.0027	0.00051	1	02/05/2022 02:27	02/05/2022 12:30	T
Toluene	0.00033 U	mg/Kg	0.0027	0.00033	1	02/05/2022 02:27	02/05/2022 12:30	T
Trichloroethene	0.00066 U	mg/Kg	0.0027	0.00066	1	02/05/2022 02:27	02/05/2022 12:30	T
Trichlorofluoromethane	0.00060 U	mg/Kg	0.0027	0.00060	1	02/05/2022 02:27	02/05/2022 12:30	T
Vinyl Chloride	0.00052 U	mg/Kg	0.0027	0.00052	1	02/05/2022 02:27	02/05/2022 12:30	T
Xylene (Total)	0.0012 U	mg/Kg	0.0054	0.0012	1	02/05/2022 02:27	02/05/2022 12:30	T
cis-1,2-Dichloroethylene	0.00053 U	mg/Kg	0.0027	0.00053	1	02/05/2022 02:27	02/05/2022 12:30	T
cis-1,3-Dichloropropene	0.0019 U	mg/Kg	0.0027	0.0019	1	02/05/2022 02:27	02/05/2022 12:30	T
trans-1,2-Dichloroethylene	0.00055 U	mg/Kg	0.0027	0.00055	1	02/05/2022 02:27	02/05/2022 12:30	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342006 **Date Collected:** 02/02/2022 10:50 **Matrix:** Soil
Sample ID: SB-6 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
trans-1,3-Dichloropropylene	0.0017 U	mg/Kg	0.0027	0.0017	1	02/05/2022 02:27	02/05/2022 12:30	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	43	41	96	69 - 134	T
Toluene-d8 (S)	ug/Kg	43	41	97	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	43	46	108	79 - 126	T
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.24	61	37 - 127	T
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.29	73	33 - 134	T
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.28	70	42 - 141	T
Nonatricontane-C39 (S)	mg/Kg	6	5.30	89	36 - 132	T
o-Terphenyl (S)	mg/Kg	2	1.50	75	66 - 136	T
Decachlorobiphenyl (S)	ug/Kg	72	48	67	63 - 130	M
Tetrachloro-m-xylene (S)	ug/Kg	140	180	127	42 - 129	M
2,4,6-Tribromophenol (S)	mg/Kg	2	2.10	103	39 - 132	T
Phenol-d6 (S)	mg/Kg	2	1.50	77	33 - 122	T
2-Fluorobiphenyl (S)	mg/Kg	2	1.50	75	44 - 115	T
2-Fluorophenol (S)	mg/Kg	2	1.50	76	35 - 115	T
Nitrobenzene-d5 (S)	mg/Kg	2	1.60	81	37 - 122	T
p-Terphenyl-d14 (S)	mg/Kg	2	2	98	54 - 127	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	ug/Kg	72	48	67	61 - 147	M
Tetrachloro-m-xylene (S)	ug/Kg	140	180	127	44 - 130	M

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342007 **Date Collected:** 02/02/2022 11:15 **Matrix:** Soil
Sample ID: SB-7 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**0.79**	mg/Kg	0.25	0.13	1	02/08/2022 11:00	02/08/2022 19:29	T
Cadmium	0.025 U	mg/Kg	0.050	0.025	1	02/08/2022 11:00	02/08/2022 19:29	T
Chromium	**3.8**	mg/Kg	0.25	0.20	1	02/08/2022 11:00	02/08/2022 19:29	T
Lead	**3.9**	mg/Kg	0.25	0.13	1	02/08/2022 11:00	02/08/2022 19:29	T
SEMIVOLATILES (FL-PRO)								
TPH	5.1 U	mg/Kg	14	5.1	1	02/03/2022 13:00	02/04/2022 02:43	T
SEMIVOLATILES (SW-846 3550B/EPA 8081)								
4,4`-DDD	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
4,4`-DDE	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
4,4`-DDT	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Aldrin	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Chlordane (technical)	0.010 U	mg/Kg	0.034	0.010	1	02/04/2022 09:30	02/04/2022 00:00	M
Dieldrin	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Endosulfan I	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Endosulfan II	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Endosulfan Sulfate	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Endrin	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Endrin Aldehyde	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Heptachlor	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Heptachlor Epoxide	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Methoxychlor	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Toxaphene	0.011 U	mg/Kg	0.034	0.011	1	02/04/2022 09:30	02/04/2022 00:00	M
alpha-BHC	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
beta-BHC	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
delta-BHC	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
gamma-BHC (Lindane)	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
SEMIVOLATILES (SW-846 3550B/SW-846 8082A)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342007 **Date Collected:** 02/02/2022 11:15 **Matrix:** Soil
Sample ID: SB-7 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Aroclor 1016 (PCB-1016)	0.020 U	mg/Kg	0.034	0.020	1	02/04/2022 12:35	02/04/2022 20:14	M
Aroclor 1221 (PCB-1221)	0.024 U	mg/Kg	0.034	0.024	1	02/04/2022 12:35	02/04/2022 20:14	M
Aroclor 1232 (PCB-1232)	0.032 U	mg/Kg	0.034	0.032	1	02/04/2022 12:35	02/04/2022 20:14	M
Aroclor 1242 (PCB-1242)	0.025 U	mg/Kg	0.034	0.025	1	02/04/2022 12:35	02/04/2022 20:14	M
Aroclor 1248 (PCB-1248)	0.012 U	mg/Kg	0.034	0.012	1	02/04/2022 12:35	02/04/2022 20:14	M
Aroclor 1254 (PCB-1254)	0.0068 U	mg/Kg	0.034	0.0068	1	02/04/2022 12:35	02/04/2022 20:14	M
Aroclor 1260 (PCB-1260)	0.041 U	mg/Kg	0.068	0.041	1	02/04/2022 12:35	02/04/2022 20:14	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	0.0016 U	mg/Kg	0.0085	0.0016	1	02/03/2022 13:00	02/05/2022 03:19	T
2-Methylnaphthalene	0.0021 U	mg/Kg	0.0085	0.0021	1	02/03/2022 13:00	02/05/2022 03:19	T
Acenaphthene	0.0015 U	mg/Kg	0.0085	0.0015	1	02/03/2022 13:00	02/05/2022 03:19	T
Acenaphthylene	**0.0043 I**	mg/Kg	0.0085	0.0018	1	02/03/2022 13:00	02/05/2022 03:19	T
Anthracene	**0.0054 I**	mg/Kg	0.0085	0.0026	1	02/03/2022 13:00	02/05/2022 03:19	T
Benzo[a]anthracene	**0.0067 I**	mg/Kg	0.0085	0.0020	1	02/03/2022 13:00	02/05/2022 03:19	T
Benzo[a]pyrene	**0.011**	mg/Kg	0.0085	0.0017	1	02/03/2022 13:00	02/05/2022 03:19	T
Benzo[b]fluoranthene	**0.020**	mg/Kg	0.0085	0.0016	1	02/03/2022 13:00	02/05/2022 03:19	T
Benzo[g,h,i]perylene	**0.013**	mg/Kg	0.0085	0.0020	1	02/03/2022 13:00	02/05/2022 03:19	T
Benzo[k]fluoranthene	**0.0079 I**	mg/Kg	0.0085	0.0024	1	02/03/2022 13:00	02/05/2022 03:19	T
Chrysene	**0.0068 I**	mg/Kg	0.0085	0.0030	1	02/03/2022 13:00	02/05/2022 03:19	T
Dibenzo[a,h]anthracene	**0.0032 I**	mg/Kg	0.0085	0.0017	1	02/03/2022 13:00	02/05/2022 03:19	T
Fluoranthene	**0.0047 I**	mg/Kg	0.0085	0.0029	1	02/03/2022 13:00	02/05/2022 03:19	T
Fluorene	0.0022 U	mg/Kg	0.0085	0.0022	1	02/03/2022 13:00	02/05/2022 03:19	T
Indeno(1,2,3-cd)pyrene	**0.013**	mg/Kg	0.0085	0.0024	1	02/03/2022 13:00	02/05/2022 03:19	T
Naphthalene	0.0017 U	mg/Kg	0.0085	0.0017	1	02/03/2022 13:00	02/05/2022 03:19	T
Phenanthrene	0.0022 U	mg/Kg	0.0085	0.0022	1	02/03/2022 13:00	02/05/2022 03:19	T
Pyrene	**0.0082 I**	mg/Kg	0.0085	0.0024	1	02/03/2022 13:00	02/05/2022 03:19	T
SEMIVOLATILES (SW-846 3550B/SW-846 8270C)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342007 **Date Collected:** 02/02/2022 11:15 **Matrix:** Soil
Sample ID: SB-7 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,2,4-Trichlorobenzene	0.032 U	mg/Kg	0.21	0.032	1	02/04/2022 15:45	02/06/2022 22:11	T
1,2-Dichlorobenzene	0.043 U	mg/Kg	0.21	0.043	1	02/04/2022 15:45	02/06/2022 22:11	T
1,2-Diphenylhydrazine	0.081 U	mg/Kg	0.21	0.081	1	02/04/2022 15:45	02/06/2022 22:11	T
1,3-Dichlorobenzene	0.022 U	mg/Kg	0.21	0.022	1	02/04/2022 15:45	02/06/2022 22:11	T
1,4-Dichlorobenzene	0.047 U	mg/Kg	0.21	0.047	1	02/04/2022 15:45	02/06/2022 22:11	T
1-Methylnaphthalene	0.0041 U	mg/Kg	0.21	0.0041	1	02/04/2022 15:45	02/06/2022 22:11	T
2,4,6-Trichlorophenol	0.040 U	mg/Kg	0.21	0.040	1	02/04/2022 15:45	02/06/2022 22:11	T
2,4-Dichlorophenol	0.045 U	mg/Kg	0.21	0.045	1	02/04/2022 15:45	02/06/2022 22:11	T
2,4-Dimethylphenol	0.045 U	mg/Kg	0.21	0.045	1	02/04/2022 15:45	02/06/2022 22:11	T
2,4-Dinitrophenol	0.13 U	mg/Kg	0.21	0.13	1	02/04/2022 15:45	02/06/2022 22:11	T
2,4-Dinitrotoluene (2,4-DNT)	0.067 U	mg/Kg	0.21	0.067	1	02/04/2022 15:45	02/06/2022 22:11	T
2,6-Dinitrotoluene (2,6-DNT)	0.053 U	mg/Kg	0.21	0.053	1	02/04/2022 15:45	02/06/2022 22:11	T
2-Chloronaphthalene	0.041 U	mg/Kg	0.21	0.041	1	02/04/2022 15:45	02/06/2022 22:11	T
2-Chlorophenol	0.038 U	mg/Kg	0.21	0.038	1	02/04/2022 15:45	02/06/2022 22:11	T
2-Methyl-4,6-dinitrophenol	0.047 U	mg/Kg	0.21	0.047	1	02/04/2022 15:45	02/06/2022 22:11	T
2-Methylnaphthalene	0.0050 U	mg/Kg	0.21	0.0050	1	02/04/2022 15:45	02/06/2022 22:11	T
2-Nitrophenol	0.047 U	mg/Kg	0.21	0.047	1	02/04/2022 15:45	02/06/2022 22:11	T
3,3`-Dichlorobenzidine	0.029 U	mg/Kg	0.21	0.029	1	02/04/2022 15:45	02/06/2022 22:11	T
4-Bromophenyl Phenyl Ether	0.054 U	mg/Kg	0.21	0.054	1	02/04/2022 15:45	02/06/2022 22:11	T
4-Chloro-3-methylphenol	0.045 U	mg/Kg	0.21	0.045	1	02/04/2022 15:45	02/06/2022 22:11	T
4-Chlorophenyl Phenyl Ether	0.047 U	mg/Kg	0.21	0.047	1	02/04/2022 15:45	02/06/2022 22:11	T
4-Nitrophenol	0.060 U	mg/Kg	0.21	0.060	1	02/04/2022 15:45	02/06/2022 22:11	T
Acenaphthene	0.0048 U	mg/Kg	0.21	0.0048	1	02/04/2022 15:45	02/06/2022 22:11	T
Acenaphthylene	**0.022 I**	mg/Kg	0.21	0.0054	1	02/04/2022 15:45	02/06/2022 22:11	T
Anthracene	**0.015 I**	mg/Kg	0.21	0.0053	1	02/04/2022 15:45	02/06/2022 22:11	T
Benzidine	0.042 U	mg/Kg	0.21	0.042	1	02/04/2022 15:45	02/06/2022 22:11	T
Benzo[a]anthracene	**0.034 I**	mg/Kg	0.21	0.0048	1	02/04/2022 15:45	02/06/2022 22:11	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342007 **Date Collected:** 02/02/2022 11:15 **Matrix:** Soil
Sample ID: SB-7 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[a]pyrene	**0.082 I**	mg/Kg	0.21	0.0045	1	02/04/2022 15:45	02/06/2022 22:11	T
Benzo[b]fluoranthene	**0.16 I**	mg/Kg	0.21	0.0067	1	02/04/2022 15:45	02/06/2022 22:11	T
Benzo[g,h,i]perylene	**0.089 I**	mg/Kg	0.21	0.0040	1	02/04/2022 15:45	02/06/2022 22:11	T
Benzo[k]fluoranthene	0.0071 U	mg/Kg	0.21	0.0071	1	02/04/2022 15:45	02/06/2022 22:11	T
Butyl benzyl phthalate	0.029 U	mg/Kg	0.21	0.029	1	02/04/2022 15:45	02/06/2022 22:11	T
Chrysene	**0.062 I**	mg/Kg	0.21	0.0054	1	02/04/2022 15:45	02/06/2022 22:11	T
Di-n-Butyl Phthalate	0.044 U	mg/Kg	0.21	0.044	1	02/04/2022 15:45	02/06/2022 22:11	T
Di-n-octyl Phthalate	0.028 U	mg/Kg	0.21	0.028	1	02/04/2022 15:45	02/06/2022 22:11	T
Dibenzo[a,h]anthracene	**0.021 I**	mg/Kg	0.21	0.0041	1	02/04/2022 15:45	02/06/2022 22:11	T
Diethyl phthalate	0.041 U	mg/Kg	0.21	0.041	1	02/04/2022 15:45	02/06/2022 22:11	T
Dimethyl phthalate	0.040 U	mg/Kg	0.21	0.040	1	02/04/2022 15:45	02/06/2022 22:11	T
Fluoranthene	0.051 U	mg/Kg	0.21	0.051	1	02/04/2022 15:45	02/06/2022 22:11	T
Fluorene	0.0047 U	mg/Kg	0.21	0.0047	1	02/04/2022 15:45	02/06/2022 22:11	T
Hexachlorobenzene	0.062 U	mg/Kg	0.21	0.062	1	02/04/2022 15:45	02/06/2022 22:11	T
Hexachlorobutadiene	0.035 U	mg/Kg	0.21	0.035	1	02/04/2022 15:45	02/06/2022 22:11	T
Hexachlorocyclopentadiene	0.035 U	mg/Kg	0.21	0.035	1	02/04/2022 15:45	02/06/2022 22:11	T
Hexachloroethane	0.030 U	mg/Kg	0.21	0.030	1	02/04/2022 15:45	02/06/2022 22:11	T
Indeno(1,2,3-cd)pyrene	**0.081 I**	mg/Kg	0.21	0.0042	1	02/04/2022 15:45	02/06/2022 22:11	T
Isophorone	0.024 U	mg/Kg	0.21	0.024	1	02/04/2022 15:45	02/06/2022 22:11	T
N-Nitrosodi-n-propylamine	0.038 U	mg/Kg	0.21	0.038	1	02/04/2022 15:45	02/06/2022 22:11	T
N-Nitrosodimethylamine	0.0095 U	mg/Kg	0.21	0.0095	1	02/04/2022 15:45	02/06/2022 22:11	T
N-Nitrosodiphenylamine	0.028 U	mg/Kg	0.21	0.028	1	02/04/2022 15:45	02/06/2022 22:11	T
Naphthalene	0.0051 U	mg/Kg	0.21	0.0051	1	02/04/2022 15:45	02/06/2022 22:11	T
Nitrobenzene	0.051 U	mg/Kg	0.21	0.051	1	02/04/2022 15:45	02/06/2022 22:11	T
Pentachlorophenol	0.071 U	mg/Kg	0.21	0.071	1	02/04/2022 15:45	02/06/2022 22:11	T
Phenanthrene	0.0060 U	mg/Kg	0.21	0.0060	1	02/04/2022 15:45	02/06/2022 22:11	T
Phenol	0.042 U	mg/Kg	0.21	0.042	1	02/04/2022 15:45	02/06/2022 22:11	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342007 **Date Collected:** 02/02/2022 11:15 **Matrix:** Soil
Sample ID: SB-7 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	**0.054 I**	mg/Kg	0.21	0.0046	1	02/04/2022 15:45	02/06/2022 22:11	T
bis(2-Chloroethoxy)methane	0.031 U	mg/Kg	0.21	0.031	1	02/04/2022 15:45	02/06/2022 22:11	T
bis(2-Chloroethyl)Ether	0.044 U	mg/Kg	0.21	0.044	1	02/04/2022 15:45	02/06/2022 22:11	T
bis(2-Chloroisopropyl) Ether	0.039 U	mg/Kg	0.21	0.039	1	02/04/2022 15:45	02/06/2022 22:11	T
bis(2-Ethylhexyl) phthalate	0.033 U	mg/Kg	0.21	0.033	1	02/04/2022 15:45	02/06/2022 22:11	T
(SM 2540G)								
Percent Moisture	**6**	%	0.001	0.0010	1	02/03/2022 11:40	02/03/2022 11:40	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1-Trichloroethane	0.00068 U	mg/Kg	0.0029	0.00068	1	02/05/2022 02:27	02/05/2022 12:58	T
1,1,2,2-Tetrachloroethane	0.00050 U	mg/Kg	0.0029	0.00050	1	02/05/2022 02:27	02/05/2022 12:58	T
1,1,2-Trichloroethane	0.00048 U	mg/Kg	0.0029	0.00048	1	02/05/2022 02:27	02/05/2022 12:58	T
1,1-Dichloroethane	0.00069 U	mg/Kg	0.0029	0.00069	1	02/05/2022 02:27	02/05/2022 12:58	T
1,1-Dichloroethylene	0.00072 U	mg/Kg	0.0029	0.00072	1	02/05/2022 02:27	02/05/2022 12:58	T
1,2-Dichlorobenzene	0.00047 U	mg/Kg	0.0029	0.00047	1	02/05/2022 02:27	02/05/2022 12:58	T
1,2-Dichloroethane	0.00077 U	mg/Kg	0.0029	0.00077	1	02/05/2022 02:27	02/05/2022 12:58	T
1,2-Dichloropropane	0.00053 U	mg/Kg	0.0029	0.00053	1	02/05/2022 02:27	02/05/2022 12:58	T
1,3-Dichlorobenzene	0.00054 U	mg/Kg	0.0029	0.00054	1	02/05/2022 02:27	02/05/2022 12:58	T
1,4-Dichlorobenzene	0.00065 U	mg/Kg	0.0029	0.00065	1	02/05/2022 02:27	02/05/2022 12:58	T
2-Chloroethyl Vinyl Ether	0.0026 U	mg/Kg	0.0029	0.0026	1	02/05/2022 02:27	02/05/2022 12:58	T
Acrolein (Propenal)	0.0061 U	mg/Kg	0.015	0.0061	1	02/05/2022 02:27	02/05/2022 12:58	T
Acrylonitrile	0.00051 U	mg/Kg	0.0029	0.00051	1	02/05/2022 02:27	02/05/2022 12:58	T
Benzene	0.00049 U	mg/Kg	0.0029	0.00049	1	02/05/2022 02:27	02/05/2022 12:58	T
Bromodichloromethane	0.00052 U	mg/Kg	0.0029	0.00052	1	02/05/2022 02:27	02/05/2022 12:58	T
Bromoform	0.0020 U	mg/Kg	0.0029	0.0020	1	02/05/2022 02:27	02/05/2022 12:58	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342007 **Date Collected:** 02/02/2022 11:15 **Matrix:** Soil
Sample ID: SB-7 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Bromomethane	0.0012 U	mg/Kg	0.0029	0.0012	1	02/05/2022 02:27	02/05/2022 12:58	T
Carbon Tetrachloride	0.00083 U	mg/Kg	0.0029	0.00083	1	02/05/2022 02:27	02/05/2022 12:58	T
Chlorobenzene	0.00044 U	mg/Kg	0.0029	0.00044	1	02/05/2022 02:27	02/05/2022 12:58	T
Chloroethane	0.0015 U	mg/Kg	0.0029	0.0015	1	02/05/2022 02:27	02/05/2022 12:58	T
Chloroform	0.00060 U	mg/Kg	0.0029	0.00060	1	02/05/2022 02:27	02/05/2022 12:58	T
Chloromethane	0.00067 U	mg/Kg	0.0029	0.00067	1	02/05/2022 02:27	02/05/2022 12:58	T
Dibromochloromethane	0.0017 U	mg/Kg	0.0029	0.0017	1	02/05/2022 02:27	02/05/2022 12:58	T
Dichlorodifluoromethane	0.0010 U	mg/Kg	0.0029	0.0010	1	02/05/2022 02:27	02/05/2022 12:58	T
Ethylbenzene	0.00035 U	mg/Kg	0.0029	0.00035	1	02/05/2022 02:27	02/05/2022 12:58	T
Methyl tert-butyl Ether (MTBE)	0.00097 U	mg/Kg	0.0029	0.00097	1	02/05/2022 02:27	02/05/2022 12:58	T
Methylene Chloride	0.0040 U	mg/Kg	0.0049	0.0040	1	02/05/2022 02:27	02/05/2022 12:58	T
Tetrachloroethylene (PCE)	0.00056 U	mg/Kg	0.0029	0.00056	1	02/05/2022 02:27	02/05/2022 12:58	T
Toluene	0.00036 U	mg/Kg	0.0029	0.00036	1	02/05/2022 02:27	02/05/2022 12:58	T
Trichloroethene	0.00072 U	mg/Kg	0.0029	0.00072	1	02/05/2022 02:27	02/05/2022 12:58	T
Trichlorofluoromethane	0.00065 U	mg/Kg	0.0029	0.00065	1	02/05/2022 02:27	02/05/2022 12:58	T
Vinyl Chloride	0.00057 U	mg/Kg	0.0029	0.00057	1	02/05/2022 02:27	02/05/2022 12:58	T
Xylene (Total)	0.0013 U	mg/Kg	0.0059	0.0013	1	02/05/2022 02:27	02/05/2022 12:58	T
cis-1,2-Dichloroethylene	0.00058 U	mg/Kg	0.0029	0.00058	1	02/05/2022 02:27	02/05/2022 12:58	T
cis-1,3-Dichloropropene	0.0021 U	mg/Kg	0.0029	0.0021	1	02/05/2022 02:27	02/05/2022 12:58	T
trans-1,2-Dichloroethylene	0.00060 U	mg/Kg	0.0029	0.00060	1	02/05/2022 02:27	02/05/2022 12:58	T
trans-1,3-Dichloropropylene	0.0018 U	mg/Kg	0.0029	0.0018	1	02/05/2022 02:27	02/05/2022 12:58	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	46	43	94	69 - 134	T
Toluene-d8 (S)	ug/Kg	46	45	97	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	46	50	109	79 - 126	T
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.31	78	42 - 141	T
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.26	65	37 - 127	T
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.31	78	33 - 134	T
Nonatricontane-C39 (S)	mg/Kg	6	5.80	97	36 - 132	T
o-Terphenyl (S)	mg/Kg	2	1.60	81	66 - 136	T
Decachlorobiphenyl (S)	ug/Kg	80	53	66	63 - 130	M
Tetrachloro-m-xylene (S)	ug/Kg	160	190	122	42 - 129	M
2,4,6-Tribromophenol (S)	mg/Kg	2	2	98	39 - 132	T
Phenol-d6 (S)	mg/Kg	2	1.40	71	33 - 122	T
2-Fluorobiphenyl (S)	mg/Kg	2	1.40	69	44 - 115	T
2-Fluorophenol (S)	mg/Kg	2	1.50	73	35 - 115	T
Nitrobenzene-d5 (S)	mg/Kg	2	1.40	71	37 - 122	T
p-Terphenyl-d14 (S)	mg/Kg	2	2	98	54 - 127	T
Decachlorobiphenyl (S)	ug/Kg	80	53	66	61 - 147	M
Tetrachloro-m-xylene (S)	ug/Kg	160	190	122	44 - 130	M

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342008 **Date Collected:** 02/02/2022 11:35 **Matrix:** Soil
Sample ID: SB-8 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**2.0**	mg/Kg	1.3	0.66	5	02/08/2022 11:00	02/09/2022 19:35	T
Cadmium	0.13 U	mg/Kg	0.26	0.13	5	02/08/2022 11:00	02/09/2022 19:35	T
Chromium	**18**	mg/Kg	1.3	1.1	5	02/08/2022 11:00	02/09/2022 19:35	T
Lead	**4.1**	mg/Kg	1.3	0.66	5	02/08/2022 11:00	02/09/2022 19:35	T
SEMIVOLATILES (FL-PRO)								
TPH	5.1 U	mg/Kg	15	5.1	1	02/03/2022 13:00	02/04/2022 03:11	T
SEMIVOLATILES (SW-846 3550B/EPA 8081)								
4,4`-DDD	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
4,4`-DDE	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
4,4`-DDT	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Aldrin	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Chlordane (technical)	0.0098 U	mg/Kg	0.033	0.0098	1	02/04/2022 09:30	02/04/2022 00:00	M
Dieldrin	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Endosulfan I	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Endosulfan II	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Endosulfan Sulfate	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Endrin	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Endrin Aldehyde	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Heptachlor	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Heptachlor Epoxide	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Methoxychlor	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Toxaphene	0.011 U	mg/Kg	0.033	0.011	1	02/04/2022 09:30	02/04/2022 00:00	M
alpha-BHC	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
beta-BHC	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
delta-BHC	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
gamma-BHC (Lindane)	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
SEMIVOLATILES (SW-846 3550B/SW-846 8082A)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342008 **Date Collected:** 02/02/2022 11:35 **Matrix:** Soil
Sample ID: SB-8 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Aroclor 1016 (PCB-1016)	0.020 U	mg/Kg	0.033	0.020	1	02/04/2022 12:35	02/04/2022 20:36	M
Aroclor 1221 (PCB-1221)	0.023 U	mg/Kg	0.033	0.023	1	02/04/2022 12:35	02/04/2022 20:36	M
Aroclor 1232 (PCB-1232)	0.031 U	mg/Kg	0.033	0.031	1	02/04/2022 12:35	02/04/2022 20:36	M
Aroclor 1242 (PCB-1242)	0.025 U	mg/Kg	0.033	0.025	1	02/04/2022 12:35	02/04/2022 20:36	M
Aroclor 1248 (PCB-1248)	0.012 U	mg/Kg	0.033	0.012	1	02/04/2022 12:35	02/04/2022 20:36	M
Aroclor 1254 (PCB-1254)	0.0066 U	mg/Kg	0.033	0.0066	1	02/04/2022 12:35	02/04/2022 20:36	M
Aroclor 1260 (PCB-1260)	0.040 U	mg/Kg	0.066	0.040	1	02/04/2022 12:35	02/04/2022 20:36	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	**0.0019 I**	mg/Kg	0.0085	0.0016	1	02/03/2022 13:00	02/05/2022 03:48	T
2-Methylnaphthalene	**0.0033 I**	mg/Kg	0.0085	0.0021	1	02/03/2022 13:00	02/05/2022 03:48	T
Acenaphthene	0.0016 U	mg/Kg	0.0085	0.0016	1	02/03/2022 13:00	02/05/2022 03:48	T
Acenaphthylene	0.0018 U	mg/Kg	0.0085	0.0018	1	02/03/2022 13:00	02/05/2022 03:48	T
Anthracene	0.0026 U	mg/Kg	0.0085	0.0026	1	02/03/2022 13:00	02/05/2022 03:48	T
Benzo[a]anthracene	**0.0023 I**	mg/Kg	0.0085	0.0021	1	02/03/2022 13:00	02/05/2022 03:48	T
Benzo[a]pyrene	**0.0032 I**	mg/Kg	0.0085	0.0017	1	02/03/2022 13:00	02/05/2022 03:48	T
Benzo[b]fluoranthene	**0.0057 I**	mg/Kg	0.0085	0.0016	1	02/03/2022 13:00	02/05/2022 03:48	T
Benzo[g,h,i]perylene	**0.0032 I**	mg/Kg	0.0085	0.0020	1	02/03/2022 13:00	02/05/2022 03:48	T
Benzo[k]fluoranthene	0.0024 U	mg/Kg	0.0085	0.0024	1	02/03/2022 13:00	02/05/2022 03:48	T
Chrysene	0.0030 U	mg/Kg	0.0085	0.0030	1	02/03/2022 13:00	02/05/2022 03:48	T
Dibenzo[a,h]anthracene	0.0017 U	mg/Kg	0.0085	0.0017	1	02/03/2022 13:00	02/05/2022 03:48	T
Fluoranthene	0.0029 U	mg/Kg	0.0085	0.0029	1	02/03/2022 13:00	02/05/2022 03:48	T
Fluorene	0.0022 U	mg/Kg	0.0085	0.0022	1	02/03/2022 13:00	02/05/2022 03:48	T
Indeno(1,2,3-cd)pyrene	**0.0031 I**	mg/Kg	0.0085	0.0024	1	02/03/2022 13:00	02/05/2022 03:48	T
Naphthalene	**0.0032 I**	mg/Kg	0.0085	0.0017	1	02/03/2022 13:00	02/05/2022 03:48	T
Phenanthrene	0.0022 U	mg/Kg	0.0085	0.0022	1	02/03/2022 13:00	02/05/2022 03:48	T
Pyrene	**0.0037 I**	mg/Kg	0.0085	0.0024	1	02/03/2022 13:00	02/05/2022 03:48	T
SEMIVOLATILES (SW-846 3550B/SW-846 8270C)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342008 **Date Collected:** 02/02/2022 11:35 **Matrix:** Soil
Sample ID: SB-8 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,2,4-Trichlorobenzene	0.032 U	mg/Kg	0.21	0.032	1	02/04/2022 15:45	02/06/2022 22:48	T
1,2-Dichlorobenzene	0.043 U	mg/Kg	0.21	0.043	1	02/04/2022 15:45	02/06/2022 22:48	T
1,2-Diphenylhydrazine	0.082 U	mg/Kg	0.21	0.082	1	02/04/2022 15:45	02/06/2022 22:48	T
1,3-Dichlorobenzene	0.022 U	mg/Kg	0.21	0.022	1	02/04/2022 15:45	02/06/2022 22:48	T
1,4-Dichlorobenzene	0.048 U	mg/Kg	0.21	0.048	1	02/04/2022 15:45	02/06/2022 22:48	T
1-Methylnaphthalene	0.0041 U	mg/Kg	0.21	0.0041	1	02/04/2022 15:45	02/06/2022 22:48	T
2,4,6-Trichlorophenol	0.040 U	mg/Kg	0.21	0.040	1	02/04/2022 15:45	02/06/2022 22:48	T
2,4-Dichlorophenol	0.045 U	mg/Kg	0.21	0.045	1	02/04/2022 15:45	02/06/2022 22:48	T
2,4-Dimethylphenol	0.045 U	mg/Kg	0.21	0.045	1	02/04/2022 15:45	02/06/2022 22:48	T
2,4-Dinitrophenol	0.13 U	mg/Kg	0.21	0.13	1	02/04/2022 15:45	02/06/2022 22:48	T
2,4-Dinitrotoluene (2,4-DNT)	0.068 U	mg/Kg	0.21	0.068	1	02/04/2022 15:45	02/06/2022 22:48	T
2,6-Dinitrotoluene (2,6-DNT)	0.054 U	mg/Kg	0.21	0.054	1	02/04/2022 15:45	02/06/2022 22:48	T
2-Chloronaphthalene	0.042 U	mg/Kg	0.21	0.042	1	02/04/2022 15:45	02/06/2022 22:48	T
2-Chlorophenol	0.038 U	mg/Kg	0.21	0.038	1	02/04/2022 15:45	02/06/2022 22:48	T
2-Methyl-4,6-dinitrophenol	0.048 U	mg/Kg	0.21	0.048	1	02/04/2022 15:45	02/06/2022 22:48	T
2-Methylnaphthalene	0.0051 U	mg/Kg	0.21	0.0051	1	02/04/2022 15:45	02/06/2022 22:48	T
2-Nitrophenol	0.048 U	mg/Kg	0.21	0.048	1	02/04/2022 15:45	02/06/2022 22:48	T
3,3`-Dichlorobenzidine	0.029 U	mg/Kg	0.21	0.029	1	02/04/2022 15:45	02/06/2022 22:48	T
4-Bromophenyl Phenyl Ether	0.055 U	mg/Kg	0.21	0.055	1	02/04/2022 15:45	02/06/2022 22:48	T
4-Chloro-3-methylphenol	0.045 U	mg/Kg	0.21	0.045	1	02/04/2022 15:45	02/06/2022 22:48	T
4-Chlorophenyl Phenyl Ether	0.047 U	mg/Kg	0.21	0.047	1	02/04/2022 15:45	02/06/2022 22:48	T
4-Nitrophenol	0.061 U	mg/Kg	0.21	0.061	1	02/04/2022 15:45	02/06/2022 22:48	T
Acenaphthene	0.0049 U	mg/Kg	0.21	0.0049	1	02/04/2022 15:45	02/06/2022 22:48	T
Acenaphthylene	0.0055 U	mg/Kg	0.21	0.0055	1	02/04/2022 15:45	02/06/2022 22:48	T
Anthracene	0.0054 U	mg/Kg	0.21	0.0054	1	02/04/2022 15:45	02/06/2022 22:48	T
Benzidine	0.043 U	mg/Kg	0.21	0.043	1	02/04/2022 15:45	02/06/2022 22:48	T
Benzo[a]anthracene	0.0049 U	mg/Kg	0.21	0.0049	1	02/04/2022 15:45	02/06/2022 22:48	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342008 **Date Collected:** 02/02/2022 11:35 **Matrix:** Soil
Sample ID: SB-8 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[a]pyrene	**0.011 I**	mg/Kg	0.21	0.0046	1	02/04/2022 15:45	02/06/2022 22:48	T
Benzo[b]fluoranthene	**0.017 I**	mg/Kg	0.21	0.0068	1	02/04/2022 15:45	02/06/2022 22:48	T
Benzo[g,h,i]perylene	**0.0098 I**	mg/Kg	0.21	0.0040	1	02/04/2022 15:45	02/06/2022 22:48	T
Benzo[k]fluoranthene	0.0072 U	mg/Kg	0.21	0.0072	1	02/04/2022 15:45	02/06/2022 22:48	T
Butyl benzyl phthalate	0.030 U	mg/Kg	0.21	0.030	1	02/04/2022 15:45	02/06/2022 22:48	T
Chrysene	0.0055 U	mg/Kg	0.21	0.0055	1	02/04/2022 15:45	02/06/2022 22:48	T
Di-n-Butyl Phthalate	0.045 U	mg/Kg	0.21	0.045	1	02/04/2022 15:45	02/06/2022 22:48	T
Di-n-octyl Phthalate	0.028 U	mg/Kg	0.21	0.028	1	02/04/2022 15:45	02/06/2022 22:48	T
Dibenzo[a,h]anthracene	0.0041 U	mg/Kg	0.21	0.0041	1	02/04/2022 15:45	02/06/2022 22:48	T
Diethyl phthalate	0.042 U	mg/Kg	0.21	0.042	1	02/04/2022 15:45	02/06/2022 22:48	T
Dimethyl phthalate	0.040 U	mg/Kg	0.21	0.040	1	02/04/2022 15:45	02/06/2022 22:48	T
Fluoranthene	0.052 U	mg/Kg	0.21	0.052	1	02/04/2022 15:45	02/06/2022 22:48	T
Fluorene	0.0048 U	mg/Kg	0.21	0.0048	1	02/04/2022 15:45	02/06/2022 22:48	T
Hexachlorobenzene	0.063 U	mg/Kg	0.21	0.063	1	02/04/2022 15:45	02/06/2022 22:48	T
Hexachlorobutadiene	0.035 U	mg/Kg	0.21	0.035	1	02/04/2022 15:45	02/06/2022 22:48	T
Hexachlorocyclopentadiene	0.036 U	mg/Kg	0.21	0.036	1	02/04/2022 15:45	02/06/2022 22:48	T
Hexachloroethane	0.030 U	mg/Kg	0.21	0.030	1	02/04/2022 15:45	02/06/2022 22:48	T
Indeno(1,2,3-cd)pyrene	**0.0098 I**	mg/Kg	0.21	0.0042	1	02/04/2022 15:45	02/06/2022 22:48	T
Isophorone	0.024 U	mg/Kg	0.21	0.024	1	02/04/2022 15:45	02/06/2022 22:48	T
N-Nitrosodi-n-propylamine	0.038 U	mg/Kg	0.21	0.038	1	02/04/2022 15:45	02/06/2022 22:48	T
N-Nitrosodimethylamine	0.0097 U	mg/Kg	0.21	0.0097	1	02/04/2022 15:45	02/06/2022 22:48	T
N-Nitrosodiphenylamine	0.028 U	mg/Kg	0.21	0.028	1	02/04/2022 15:45	02/06/2022 22:48	T
Naphthalene	0.0051 U	mg/Kg	0.21	0.0051	1	02/04/2022 15:45	02/06/2022 22:48	T
Nitrobenzene	0.051 U	mg/Kg	0.21	0.051	1	02/04/2022 15:45	02/06/2022 22:48	T
Pentachlorophenol	0.072 U	mg/Kg	0.21	0.072	1	02/04/2022 15:45	02/06/2022 22:48	T
Phenanthrene	0.0061 U	mg/Kg	0.21	0.0061	1	02/04/2022 15:45	02/06/2022 22:48	T
Phenol	0.042 U	mg/Kg	0.21	0.042	1	02/04/2022 15:45	02/06/2022 22:48	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342008 **Date Collected:** 02/02/2022 11:35 **Matrix:** Soil
Sample ID: SB-8 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	0.0046 U	mg/Kg	0.21	0.0046	1	02/04/2022 15:45	02/06/2022 22:48	T
bis(2-Chloroethoxy)methane	0.031 U	mg/Kg	0.21	0.031	1	02/04/2022 15:45	02/06/2022 22:48	T
bis(2-Chloroethyl)Ether	0.044 U	mg/Kg	0.21	0.044	1	02/04/2022 15:45	02/06/2022 22:48	T
bis(2-Chloroisopropyl) Ether	0.039 U	mg/Kg	0.21	0.039	1	02/04/2022 15:45	02/06/2022 22:48	T
bis(2-Ethylhexyl) phthalate	0.034 U	mg/Kg	0.21	0.034	1	02/04/2022 15:45	02/06/2022 22:48	T
(SM 2540G)								
Percent Moisture	**7**	%	0.001	0.0010	1	02/03/2022 11:40	02/03/2022 11:40	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1-Trichloroethane	0.00070 U	mg/Kg	0.0030	0.00070	1	02/07/2022 16:36	02/07/2022 18:55	T
1,1,2,2-Tetrachloroethane	0.00051 U	mg/Kg	0.0030	0.00051	1	02/07/2022 16:36	02/07/2022 18:55	T
1,1,2-Trichloroethane	0.00049 U	mg/Kg	0.0030	0.00049	1	02/07/2022 16:36	02/07/2022 18:55	T
1,1-Dichloroethane	0.00070 U	mg/Kg	0.0030	0.00070	1	02/07/2022 16:36	02/07/2022 18:55	T
1,1-Dichloroethylene	0.00073 U	mg/Kg	0.0030	0.00073	1	02/07/2022 16:36	02/07/2022 18:55	T
1,2-Dichlorobenzene	0.00047 U	mg/Kg	0.0030	0.00047	1	02/07/2022 16:36	02/07/2022 18:55	T
1,2-Dichloroethane	0.00078 U	mg/Kg	0.0030	0.00078	1	02/07/2022 16:36	02/07/2022 18:55	T
1,2-Dichloropropane	0.00054 U	mg/Kg	0.0030	0.00054	1	02/07/2022 16:36	02/07/2022 18:55	T
1,3-Dichlorobenzene	0.00055 U	mg/Kg	0.0030	0.00055	1	02/07/2022 16:36	02/07/2022 18:55	T
1,4-Dichlorobenzene	0.00066 U	mg/Kg	0.0030	0.00066	1	02/07/2022 16:36	02/07/2022 18:55	T
2-Chloroethyl Vinyl Ether	0.0026 U	mg/Kg	0.0030	0.0026	1	02/07/2022 16:36	02/07/2022 18:55	T
Acrolein (Propenal)	0.0062 U	mg/Kg	0.015	0.0062	1	02/07/2022 16:36	02/07/2022 18:55	T
Acrylonitrile	0.00052 U	mg/Kg	0.0030	0.00052	1	02/07/2022 16:36	02/07/2022 18:55	T
Benzene	0.00050 U	mg/Kg	0.0030	0.00050	1	02/07/2022 16:36	02/07/2022 18:55	T
Bromodichloromethane	0.00053 U	mg/Kg	0.0030	0.00053	1	02/07/2022 16:36	02/07/2022 18:55	T
Bromoform	0.0020 U	mg/Kg	0.0030	0.0020	1	02/07/2022 16:36	02/07/2022 18:55	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342008 **Date Collected:** 02/02/2022 11:35 **Matrix:** Soil
Sample ID: SB-8 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Bromomethane	0.0012 U	mg/Kg	0.0030	0.0012	1	02/07/2022 16:36	02/07/2022 18:55	T
Carbon Tetrachloride	0.00084 U	mg/Kg	0.0030	0.00084	1	02/07/2022 16:36	02/07/2022 18:55	T
Chlorobenzene	0.00044 U	mg/Kg	0.0030	0.00044	1	02/07/2022 16:36	02/07/2022 18:55	T
Chloroethane	0.0015 U	mg/Kg	0.0030	0.0015	1	02/07/2022 16:36	02/07/2022 18:55	T
Chloroform	0.00061 U	mg/Kg	0.0030	0.00061	1	02/07/2022 16:36	02/07/2022 18:55	T
Chloromethane	0.00069 U	mg/Kg	0.0030	0.00069	1	02/07/2022 16:36	02/07/2022 18:55	T
Dibromochloromethane	0.0017 U	mg/Kg	0.0030	0.0017	1	02/07/2022 16:36	02/07/2022 18:55	T
Dichlorodifluoromethane	0.0010 U	mg/Kg	0.0030	0.0010	1	02/07/2022 16:36	02/07/2022 18:55	T
Ethylbenzene	0.00036 U	mg/Kg	0.0030	0.00036	1	02/07/2022 16:36	02/07/2022 18:55	T
Methyl tert-butyl Ether (MTBE)	0.00098 U	mg/Kg	0.0030	0.00098	1	02/07/2022 16:36	02/07/2022 18:55	T
Methylene Chloride	0.0040 U	mg/Kg	0.0050	0.0040	1	02/07/2022 16:36	02/07/2022 18:55	T
Tetrachloroethylene (PCE)	0.00057 U	mg/Kg	0.0030	0.00057	1	02/07/2022 16:36	02/07/2022 18:55	T
Toluene	0.00037 U	mg/Kg	0.0030	0.00037	1	02/07/2022 16:36	02/07/2022 18:55	T
Trichloroethene	0.00074 U	mg/Kg	0.0030	0.00074	1	02/07/2022 16:36	02/07/2022 18:55	T
Trichlorofluoromethane	0.00066 U	mg/Kg	0.0030	0.00066	1	02/07/2022 16:36	02/07/2022 18:55	T
Vinyl Chloride	0.00058 U	mg/Kg	0.0030	0.00058	1	02/07/2022 16:36	02/07/2022 18:55	T
Xylene (Total)	0.0013 U	mg/Kg	0.0060	0.0013	1	02/07/2022 16:36	02/07/2022 18:55	T
cis-1,2-Dichloroethylene	0.00059 U	mg/Kg	0.0030	0.00059	1	02/07/2022 16:36	02/07/2022 18:55	T
cis-1,3-Dichloropropene	0.0021 U	mg/Kg	0.0030	0.0021	1	02/07/2022 16:36	02/07/2022 18:55	T
trans-1,2-Dichloroethylene	0.00061 U	mg/Kg	0.0030	0.00061	1	02/07/2022 16:36	02/07/2022 18:55	T
trans-1,3-Dichloropropylene	0.0018 U	mg/Kg	0.0030	0.0018	1	02/07/2022 16:36	02/07/2022 18:55	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Analysis Results Comments

Decachlorobiphenyl

J4|Estimated Result

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	46	44	95	69 - 134	T
Bromofluorobenzene (S)	ug/Kg	46	51	109	79 - 126	T
Toluene-d8 (S)	ug/Kg	46	45	97	72 - 122	T
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.24	61	37 - 127	T
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.29	73	33 - 134	T
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.29	73	42 - 141	T
Nonatricontane-C39 (S)	mg/Kg	6	5.20	88	36 - 132	T
o-Terphenyl (S)	mg/Kg	2	1.50	77	66 - 136	T
Decachlorobiphenyl (S)	ug/Kg	77	47	**61**	63 - 130	M
Tetrachloro-m-xylene (S)	ug/Kg	150	170	111	42 - 129	M
2,4,6-Tribromophenol (S)	mg/Kg	2	1.90	95	39 - 132	T
Phenol-d6 (S)	mg/Kg	2	1.70	85	33 - 122	T
2-Fluorobiphenyl (S)	mg/Kg	2	1.50	77	44 - 115	T
2-Fluorophenol (S)	mg/Kg	2	1.70	85	35 - 115	T
Nitrobenzene-d5 (S)	mg/Kg	2	1.80	88	37 - 122	T
p-Terphenyl-d14 (S)	mg/Kg	2	2	99	54 - 127	T
Decachlorobiphenyl (S)	ug/Kg	77	47	61	61 - 147	M
Tetrachloro-m-xylene (S)	ug/Kg	150	170	111	44 - 130	M

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342009 **Date Collected:** 02/02/2022 11:50 **Matrix:** Soil
Sample ID: SB-9 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**1.6**	mg/Kg	1.4	0.71	5	02/08/2022 11:00	02/09/2022 19:38	T
Cadmium	0.14 U	mg/Kg	0.28	0.14	5	02/08/2022 11:00	02/09/2022 19:38	T
Chromium	**16**	mg/Kg	1.4	1.1	5	02/08/2022 11:00	02/09/2022 19:38	T
Lead	**7.8**	mg/Kg	1.4	0.71	5	02/08/2022 11:00	02/09/2022 19:38	T
SEMIVOLATILES (FL-PRO)								
TPH	5.2 U	mg/Kg	15	5.2	1	02/03/2022 13:00	02/04/2022 03:39	T
SEMIVOLATILES (SW-846 3550B/EPA 8081)								
4,4`-DDD	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
4,4`-DDE	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
4,4`-DDT	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Aldrin	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Chlordane (technical)	0.010 U	mg/Kg	0.034	0.010	1	02/04/2022 09:30	02/04/2022 00:00	M
Dieldrin	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Endosulfan I	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Endosulfan II	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Endosulfan Sulfate	**0.0011 I**	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Endrin	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Endrin Aldehyde	**0.0024**	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Heptachlor	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Heptachlor Epoxide	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Methoxychlor	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Toxaphene	0.011 U	mg/Kg	0.034	0.011	1	02/04/2022 09:30	02/04/2022 00:00	M
alpha-BHC	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
beta-BHC	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
delta-BHC	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
gamma-BHC (Lindane)	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
SEMIVOLATILES (SW-846 3550B/SW-846 8082A)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342009 **Date Collected:** 02/02/2022 11:50 **Matrix:** Soil
Sample ID: SB-9 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Aroclor 1016 (PCB-1016)	0.020 U	mg/Kg	0.034	0.020	1	02/04/2022 12:35	02/04/2022 20:57	M
Aroclor 1221 (PCB-1221)	0.024 U	mg/Kg	0.034	0.024	1	02/04/2022 12:35	02/04/2022 20:57	M
Aroclor 1232 (PCB-1232)	0.032 U	mg/Kg	0.034	0.032	1	02/04/2022 12:35	02/04/2022 20:57	M
Aroclor 1242 (PCB-1242)	0.025 U	mg/Kg	0.034	0.025	1	02/04/2022 12:35	02/04/2022 20:57	M
Aroclor 1248 (PCB-1248)	0.012 U	mg/Kg	0.034	0.012	1	02/04/2022 12:35	02/04/2022 20:57	M
Aroclor 1254 (PCB-1254)	0.0067 U	mg/Kg	0.034	0.0067	1	02/04/2022 12:35	02/04/2022 20:57	M
Aroclor 1260 (PCB-1260)	0.040 U	mg/Kg	0.067	0.040	1	02/04/2022 12:35	02/04/2022 20:57	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	**0.0083 I**	mg/Kg	0.0087	0.0017	1	02/03/2022 13:00	02/05/2022 04:17	T
2-Methylnaphthalene	**0.013**	mg/Kg	0.0087	0.0021	1	02/03/2022 13:00	02/05/2022 04:17	T
Acenaphthene	0.0016 U	mg/Kg	0.0087	0.0016	1	02/03/2022 13:00	02/05/2022 04:17	T
Acenaphthylene	**0.0059 I**	mg/Kg	0.0087	0.0019	1	02/03/2022 13:00	02/05/2022 04:17	T
Anthracene	**0.0057 I**	mg/Kg	0.0087	0.0027	1	02/03/2022 13:00	02/05/2022 04:17	T
Benzo[a]anthracene	**0.0086 I**	mg/Kg	0.0087	0.0021	1	02/03/2022 13:00	02/05/2022 04:17	T
Benzo[a]pyrene	**0.014**	mg/Kg	0.0087	0.0018	1	02/03/2022 13:00	02/05/2022 04:17	T
Benzo[b]fluoranthene	**0.027**	mg/Kg	0.0087	0.0017	1	02/03/2022 13:00	02/05/2022 04:17	T
Benzo[g,h,i]perylene	**0.016**	mg/Kg	0.0087	0.0020	1	02/03/2022 13:00	02/05/2022 04:17	T
Benzo[k]fluoranthene	**0.011**	mg/Kg	0.0087	0.0025	1	02/03/2022 13:00	02/05/2022 04:17	T
Chrysene	**0.0095**	mg/Kg	0.0087	0.0031	1	02/03/2022 13:00	02/05/2022 04:17	T
Dibenzo[a,h]anthracene	**0.0043 I**	mg/Kg	0.0087	0.0018	1	02/03/2022 13:00	02/05/2022 04:17	T
Fluoranthene	**0.0060 I**	mg/Kg	0.0087	0.0029	1	02/03/2022 13:00	02/05/2022 04:17	T
Fluorene	0.0023 U	mg/Kg	0.0087	0.0023	1	02/03/2022 13:00	02/05/2022 04:17	T
Indeno(1,2,3-cd)pyrene	**0.017**	mg/Kg	0.0087	0.0025	1	02/03/2022 13:00	02/05/2022 04:17	T
Naphthalene	**0.0098**	mg/Kg	0.0087	0.0018	1	02/03/2022 13:00	02/05/2022 04:17	T
Phenanthrene	**0.0039 I**	mg/Kg	0.0087	0.0023	1	02/03/2022 13:00	02/05/2022 04:17	T
Pyrene	**0.011**	mg/Kg	0.0087	0.0025	1	02/03/2022 13:00	02/05/2022 04:17	T
SEMIVOLATILES (SW-846 3550B/SW-846 8270C)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342009 **Date Collected:** 02/02/2022 11:50 **Matrix:** Soil
Sample ID: SB-9 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,2,4-Trichlorobenzene	0.033 U	mg/Kg	0.22	0.033	1	02/04/2022 15:45	02/06/2022 23:25	T
1,2-Dichlorobenzene	0.045 U	mg/Kg	0.22	0.045	1	02/04/2022 15:45	02/06/2022 23:25	T
1,2-Diphenylhydrazine	0.085 U	mg/Kg	0.22	0.085	1	02/04/2022 15:45	02/06/2022 23:25	T
1,3-Dichlorobenzene	0.023 U	mg/Kg	0.22	0.023	1	02/04/2022 15:45	02/06/2022 23:25	T
1,4-Dichlorobenzene	0.049 U	mg/Kg	0.22	0.049	1	02/04/2022 15:45	02/06/2022 23:25	T
1-Methylnaphthalene	0.0043 U	mg/Kg	0.22	0.0043	1	02/04/2022 15:45	02/06/2022 23:25	T
2,4,6-Trichlorophenol	0.041 U	mg/Kg	0.22	0.041	1	02/04/2022 15:45	02/06/2022 23:25	T
2,4-Dichlorophenol	0.047 U	mg/Kg	0.22	0.047	1	02/04/2022 15:45	02/06/2022 23:25	T
2,4-Dimethylphenol	0.047 U	mg/Kg	0.22	0.047	1	02/04/2022 15:45	02/06/2022 23:25	T
2,4-Dinitrophenol	0.13 U	mg/Kg	0.22	0.13	1	02/04/2022 15:45	02/06/2022 23:25	T
2,4-Dinitrotoluene (2,4-DNT)	0.070 U	mg/Kg	0.22	0.070	1	02/04/2022 15:45	02/06/2022 23:25	T
2,6-Dinitrotoluene (2,6-DNT)	0.056 U	mg/Kg	0.22	0.056	1	02/04/2022 15:45	02/06/2022 23:25	T
2-Chloronaphthalene	0.043 U	mg/Kg	0.22	0.043	1	02/04/2022 15:45	02/06/2022 23:25	T
2-Chlorophenol	0.039 U	mg/Kg	0.22	0.039	1	02/04/2022 15:45	02/06/2022 23:25	T
2-Methyl-4,6-dinitrophenol	0.049 U	mg/Kg	0.22	0.049	1	02/04/2022 15:45	02/06/2022 23:25	T
2-Methylnaphthalene	0.0052 U	mg/Kg	0.22	0.0052	1	02/04/2022 15:45	02/06/2022 23:25	T
2-Nitrophenol	0.049 U	mg/Kg	0.22	0.049	1	02/04/2022 15:45	02/06/2022 23:25	T
3,3`-Dichlorobenzidine	0.030 U	mg/Kg	0.22	0.030	1	02/04/2022 15:45	02/06/2022 23:25	T
4-Bromophenyl Phenyl Ether	0.056 U	mg/Kg	0.22	0.056	1	02/04/2022 15:45	02/06/2022 23:25	T
4-Chloro-3-methylphenol	0.047 U	mg/Kg	0.22	0.047	1	02/04/2022 15:45	02/06/2022 23:25	T
4-Chlorophenyl Phenyl Ether	0.049 U	mg/Kg	0.22	0.049	1	02/04/2022 15:45	02/06/2022 23:25	T
4-Nitrophenol	0.062 U	mg/Kg	0.22	0.062	1	02/04/2022 15:45	02/06/2022 23:25	T
Acenaphthene	0.0050 U	mg/Kg	0.22	0.0050	1	02/04/2022 15:45	02/06/2022 23:25	T
Acenaphthylene	0.0056 U	mg/Kg	0.22	0.0056	1	02/04/2022 15:45	02/06/2022 23:25	T
Anthracene	0.0056 U	mg/Kg	0.22	0.0056	1	02/04/2022 15:45	02/06/2022 23:25	T
Benzidine	0.044 U	mg/Kg	0.22	0.044	1	02/04/2022 15:45	02/06/2022 23:25	T
Benzo[a]anthracene	0.0050 U	mg/Kg	0.22	0.0050	1	02/04/2022 15:45	02/06/2022 23:25	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342009 **Date Collected:** 02/02/2022 11:50 **Matrix:** Soil
Sample ID: SB-9 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[a]pyrene	**0.013 I**	mg/Kg	0.22	0.0047	1	02/04/2022 15:45	02/06/2022 23:25	T
Benzo[b]fluoranthene	**0.024 I**	mg/Kg	0.22	0.0070	1	02/04/2022 15:45	02/06/2022 23:25	T
Benzo[g,h,i]perylene	**0.012 I**	mg/Kg	0.22	0.0041	1	02/04/2022 15:45	02/06/2022 23:25	T
Benzo[k]fluoranthene	0.0074 U	mg/Kg	0.22	0.0074	1	02/04/2022 15:45	02/06/2022 23:25	T
Butyl benzyl phthalate	0.031 U	mg/Kg	0.22	0.031	1	02/04/2022 15:45	02/06/2022 23:25	T
Chrysene	**0.0087 I**	mg/Kg	0.22	0.0056	1	02/04/2022 15:45	02/06/2022 23:25	T
Di-n-Butyl Phthalate	0.046 U	mg/Kg	0.22	0.046	1	02/04/2022 15:45	02/06/2022 23:25	T
Di-n-octyl Phthalate	0.029 U	mg/Kg	0.22	0.029	1	02/04/2022 15:45	02/06/2022 23:25	T
Dibenzo[a,h]anthracene	0.0042 U	mg/Kg	0.22	0.0042	1	02/04/2022 15:45	02/06/2022 23:25	T
Diethyl phthalate	0.043 U	mg/Kg	0.22	0.043	1	02/04/2022 15:45	02/06/2022 23:25	T
Dimethyl phthalate	0.041 U	mg/Kg	0.22	0.041	1	02/04/2022 15:45	02/06/2022 23:25	T
Fluoranthene	0.053 U	mg/Kg	0.22	0.053	1	02/04/2022 15:45	02/06/2022 23:25	T
Fluorene	0.0049 U	mg/Kg	0.22	0.0049	1	02/04/2022 15:45	02/06/2022 23:25	T
Hexachlorobenzene	0.065 U	mg/Kg	0.22	0.065	1	02/04/2022 15:45	02/06/2022 23:25	T
Hexachlorobutadiene	0.036 U	mg/Kg	0.22	0.036	1	02/04/2022 15:45	02/06/2022 23:25	T
Hexachlorocyclopentadiene	0.037 U	mg/Kg	0.22	0.037	1	02/04/2022 15:45	02/06/2022 23:25	T
Hexachloroethane	0.031 U	mg/Kg	0.22	0.031	1	02/04/2022 15:45	02/06/2022 23:25	T
Indeno(1,2,3-cd)pyrene	**0.012 I**	mg/Kg	0.22	0.0043	1	02/04/2022 15:45	02/06/2022 23:25	T
Isophorone	0.025 U	mg/Kg	0.22	0.025	1	02/04/2022 15:45	02/06/2022 23:25	T
N-Nitrosodi-n-propylamine	0.039 U	mg/Kg	0.22	0.039	1	02/04/2022 15:45	02/06/2022 23:25	T
N-Nitrosodimethylamine	0.0099 U	mg/Kg	0.22	0.0099	1	02/04/2022 15:45	02/06/2022 23:25	T
N-Nitrosodiphenylamine	0.029 U	mg/Kg	0.22	0.029	1	02/04/2022 15:45	02/06/2022 23:25	T
Naphthalene	0.0053 U	mg/Kg	0.22	0.0053	1	02/04/2022 15:45	02/06/2022 23:25	T
Nitrobenzene	0.053 U	mg/Kg	0.22	0.053	1	02/04/2022 15:45	02/06/2022 23:25	T
Pentachlorophenol	0.074 U	mg/Kg	0.22	0.074	1	02/04/2022 15:45	02/06/2022 23:25	T
Phenanthrene	0.0063 U	mg/Kg	0.22	0.0063	1	02/04/2022 15:45	02/06/2022 23:25	T
Phenol	0.043 U	mg/Kg	0.22	0.043	1	02/04/2022 15:45	02/06/2022 23:25	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342009 **Date Collected:** 02/02/2022 11:50 **Matrix:** Soil
Sample ID: SB-9 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	**0.0090 I**	mg/Kg	0.22	0.0048	1	02/04/2022 15:45	02/06/2022 23:25	T
bis(2-Chloroethoxy)methane	0.032 U	mg/Kg	0.22	0.032	1	02/04/2022 15:45	02/06/2022 23:25	T
bis(2-Chloroethyl)Ether	0.045 U	mg/Kg	0.22	0.045	1	02/04/2022 15:45	02/06/2022 23:25	T
bis(2-Chloroisopropyl) Ether	0.040 U	mg/Kg	0.22	0.040	1	02/04/2022 15:45	02/06/2022 23:25	T
bis(2-Ethylhexyl) phthalate	0.035 U	mg/Kg	0.22	0.035	1	02/04/2022 15:45	02/06/2022 23:25	T
(SM 2540G)								
Percent Moisture	**9**	%	0.001	0.0010	1	02/03/2022 11:40	02/03/2022 11:40	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1-Trichloroethane	0.00067 U	mg/Kg	0.0029	0.00067	1	02/07/2022 16:36	02/07/2022 19:23	T
1,1,2,2-Tetrachloroethane	0.00049 U	mg/Kg	0.0029	0.00049	1	02/07/2022 16:36	02/07/2022 19:23	T
1,1,2-Trichloroethane	0.00047 U	mg/Kg	0.0029	0.00047	1	02/07/2022 16:36	02/07/2022 19:23	T
1,1-Dichloroethane	0.00067 U	mg/Kg	0.0029	0.00067	1	02/07/2022 16:36	02/07/2022 19:23	T
1,1-Dichloroethylene	0.00071 U	mg/Kg	0.0029	0.00071	1	02/07/2022 16:36	02/07/2022 19:23	T
1,2-Dichlorobenzene	0.00046 U	mg/Kg	0.0029	0.00046	1	02/07/2022 16:36	02/07/2022 19:23	T
1,2-Dichloroethane	0.00075 U	mg/Kg	0.0029	0.00075	1	02/07/2022 16:36	02/07/2022 19:23	T
1,2-Dichloropropane	0.00052 U	mg/Kg	0.0029	0.00052	1	02/07/2022 16:36	02/07/2022 19:23	T
1,3-Dichlorobenzene	0.00053 U	mg/Kg	0.0029	0.00053	1	02/07/2022 16:36	02/07/2022 19:23	T
1,4-Dichlorobenzene	0.00064 U	mg/Kg	0.0029	0.00064	1	02/07/2022 16:36	02/07/2022 19:23	T
2-Chloroethyl Vinyl Ether	0.0025 U	mg/Kg	0.0029	0.0025	1	02/07/2022 16:36	02/07/2022 19:23	T
Acrolein (Propenal)	0.0060 U	mg/Kg	0.014	0.0060	1	02/07/2022 16:36	02/07/2022 19:23	T
Acrylonitrile	0.00050 U	mg/Kg	0.0029	0.00050	1	02/07/2022 16:36	02/07/2022 19:23	T
Benzene	0.00048 U	mg/Kg	0.0029	0.00048	1	02/07/2022 16:36	02/07/2022 19:23	T
Bromodichloromethane	0.00051 U	mg/Kg	0.0029	0.00051	1	02/07/2022 16:36	02/07/2022 19:23	T
Bromoform	0.0019 U	mg/Kg	0.0029	0.0019	1	02/07/2022 16:36	02/07/2022 19:23	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342009 **Date Collected:** 02/02/2022 11:50 **Matrix:** Soil
Sample ID: SB-9 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Bromomethane	0.0012 U	mg/Kg	0.0029	0.0012	1	02/07/2022 16:36	02/07/2022 19:23	T
Carbon Tetrachloride	0.00081 U	mg/Kg	0.0029	0.00081	1	02/07/2022 16:36	02/07/2022 19:23	T
Chlorobenzene	0.00043 U	mg/Kg	0.0029	0.00043	1	02/07/2022 16:36	02/07/2022 19:23	T
Chloroethane	0.0014 U	mg/Kg	0.0029	0.0014	1	02/07/2022 16:36	02/07/2022 19:23	T
Chloroform	0.00059 U	mg/Kg	0.0029	0.00059	1	02/07/2022 16:36	02/07/2022 19:23	T
Chloromethane	0.00066 U	mg/Kg	0.0029	0.00066	1	02/07/2022 16:36	02/07/2022 19:23	T
Dibromochloromethane	0.0016 U	mg/Kg	0.0029	0.0016	1	02/07/2022 16:36	02/07/2022 19:23	T
Dichlorodifluoromethane	0.00098 U	mg/Kg	0.0029	0.00098	1	02/07/2022 16:36	02/07/2022 19:23	T
Ethylbenzene	0.00034 U	mg/Kg	0.0029	0.00034	1	02/07/2022 16:36	02/07/2022 19:23	T
Methyl tert-butyl Ether (MTBE)	0.00095 U	mg/Kg	0.0029	0.00095	1	02/07/2022 16:36	02/07/2022 19:23	T
Methylene Chloride	0.0039 U	mg/Kg	0.0048	0.0039	1	02/07/2022 16:36	02/07/2022 19:23	T
Tetrachloroethylene (PCE)	0.00055 U	mg/Kg	0.0029	0.00055	1	02/07/2022 16:36	02/07/2022 19:23	T
Toluene	0.00036 U	mg/Kg	0.0029	0.00036	1	02/07/2022 16:36	02/07/2022 19:23	T
Trichloroethene	0.00071 U	mg/Kg	0.0029	0.00071	1	02/07/2022 16:36	02/07/2022 19:23	T
Trichlorofluoromethane	0.00064 U	mg/Kg	0.0029	0.00064	1	02/07/2022 16:36	02/07/2022 19:23	T
Vinyl Chloride	0.00055 U	mg/Kg	0.0029	0.00055	1	02/07/2022 16:36	02/07/2022 19:23	T
Xylene (Total)	0.0013 U	mg/Kg	0.0058	0.0013	1	02/07/2022 16:36	02/07/2022 19:23	T
cis-1,2-Dichloroethylene	0.00057 U	mg/Kg	0.0029	0.00057	1	02/07/2022 16:36	02/07/2022 19:23	T
cis-1,3-Dichloropropene	0.0021 U	mg/Kg	0.0029	0.0021	1	02/07/2022 16:36	02/07/2022 19:23	T
trans-1,2-Dichloroethylene	0.00058 U	mg/Kg	0.0029	0.00058	1	02/07/2022 16:36	02/07/2022 19:23	T
trans-1,3-Dichloropropylene	0.0018 U	mg/Kg	0.0029	0.0018	1	02/07/2022 16:36	02/07/2022 19:23	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Analysis Results Comments

Tetrachloro-m-xylene

J4|Estimated Result

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	44	40	93	69 - 134	T
Toluene-d8 (S)	ug/Kg	44	43	98	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	44	49	114	79 - 126	T
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.22	56	37 - 127	T
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.26	65	33 - 134	T
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.29	73	42 - 141	T
Nonatricontane-C39 (S)	mg/Kg	5.90	5.20	88	36 - 132	T
o-Terphenyl (S)	mg/Kg	2	1.50	73	66 - 136	T
Tetrachloro-m-xylene (S)	ug/Kg	150	210	**140**	42 - 129	M
Decachlorobiphenyl (S)	ug/Kg	76	56	74	63 - 130	M
2,4,6-Tribromophenol (S)	mg/Kg	2	1.90	96	39 - 132	T
Phenol-d6 (S)	mg/Kg	2	1.40	70	33 - 122	T
2-Fluorobiphenyl (S)	mg/Kg	2	1.40	68	44 - 115	T
2-Fluorophenol (S)	mg/Kg	2	1.30	67	35 - 115	T
Nitrobenzene-d5 (S)	mg/Kg	2	1.50	76	37 - 122	T
p-Terphenyl-d14 (S)	mg/Kg	2	1.90	96	54 - 127	T
Decachlorobiphenyl (S)	ug/Kg	76	57	74	61 - 147	M
Tetrachloro-m-xylene (S)	ug/Kg	150	220	**146**	44 - 130	M

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342010 **Date Collected:** 02/02/2022 12:10 **Matrix:** Soil
Sample ID: SB-10 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**3.2**	mg/Kg	1.3	0.67	5	02/08/2022 11:00	02/09/2022 19:41	T
Cadmium	0.13 U	mg/Kg	0.27	0.13	5	02/08/2022 11:00	02/09/2022 19:41	T
Chromium	**21**	mg/Kg	1.3	1.1	5	02/08/2022 11:00	02/09/2022 19:41	T
Lead	**44**	mg/Kg	1.3	0.67	5	02/08/2022 11:00	02/09/2022 19:41	T
SEMIVOLATILES (FL-PRO)								
TPH	**61**	mg/Kg	15	5.1	1	02/03/2022 13:00	02/04/2022 05:59	T
SEMIVOLATILES (SW-846 3550B/EPA 8081)								
4,4`-DDD	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
4,4`-DDE	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
4,4`-DDT	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Aldrin	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Chlordane (technical)	0.0095 U	mg/Kg	0.032	0.0095	1	02/04/2022 09:30	02/04/2022 00:00	M
Dieldrin	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Endosulfan I	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Endosulfan II	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Endosulfan Sulfate	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Endrin	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Endrin Aldehyde	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Heptachlor	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Heptachlor Epoxide	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Methoxychlor	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Toxaphene	0.010 U	mg/Kg	0.032	0.010	1	02/04/2022 09:30	02/04/2022 00:00	M
alpha-BHC	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
beta-BHC	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
delta-BHC	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
gamma-BHC (Lindane)	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
SEMIVOLATILES (SW-846 3550B/SW-846 8082A)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342010 **Date Collected:** 02/02/2022 12:10 **Matrix:** Soil
Sample ID: SB-10 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Aroclor 1016 (PCB-1016)	0.019 U	mg/Kg	0.032	0.019	1	02/04/2022 12:35	02/04/2022 21:19	M
Aroclor 1221 (PCB-1221)	0.022 U	mg/Kg	0.032	0.022	1	02/04/2022 12:35	02/04/2022 21:19	M
Aroclor 1232 (PCB-1232)	0.030 U	mg/Kg	0.032	0.030	1	02/04/2022 12:35	02/04/2022 21:19	M
Aroclor 1242 (PCB-1242)	0.024 U	mg/Kg	0.032	0.024	1	02/04/2022 12:35	02/04/2022 21:19	M
Aroclor 1248 (PCB-1248)	0.011 U	mg/Kg	0.032	0.011	1	02/04/2022 12:35	02/04/2022 21:19	M
Aroclor 1254 (PCB-1254)	0.0064 U	mg/Kg	0.032	0.0064	1	02/04/2022 12:35	02/04/2022 21:19	M
Aroclor 1260 (PCB-1260)	0.038 U	mg/Kg	0.064	0.038	1	02/04/2022 12:35	02/04/2022 21:19	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	**0.031**	mg/Kg	0.0086	0.0016	1	02/03/2022 13:00	02/05/2022 04:46	T
2-Methylnaphthalene	**0.040**	mg/Kg	0.0086	0.0021	1	02/03/2022 13:00	02/05/2022 04:46	T
Acenaphthene	**0.0043 I**	mg/Kg	0.0086	0.0016	1	02/03/2022 13:00	02/05/2022 04:46	T
Acenaphthylene	**0.27**	mg/Kg	0.0086	0.0018	1	02/03/2022 13:00	02/05/2022 04:46	T
Anthracene	**0.25**	mg/Kg	0.0086	0.0026	1	02/03/2022 13:00	02/05/2022 04:46	T
Benzo[a]anthracene	**0.27**	mg/Kg	0.0086	0.0021	1	02/03/2022 13:00	02/05/2022 04:46	T
Benzo[a]pyrene	**0.53**	mg/Kg	0.0086	0.0017	1	02/03/2022 13:00	02/05/2022 04:46	T
Benzo[b]fluoranthene	**1.0**	mg/Kg	0.0086	0.0016	1	02/03/2022 13:00	02/05/2022 04:46	T
Benzo[g,h,i]perylene	**0.62**	mg/Kg	0.0086	0.0020	1	02/03/2022 13:00	02/05/2022 04:46	T
Benzo[k]fluoranthene	**0.36**	mg/Kg	0.0086	0.0024	1	02/03/2022 13:00	02/05/2022 04:46	T
Chrysene	**0.22**	mg/Kg	0.0086	0.0030	1	02/03/2022 13:00	02/05/2022 04:46	T
Dibenzo[a,h]anthracene	**0.17**	mg/Kg	0.0086	0.0017	1	02/03/2022 13:00	02/05/2022 04:46	T
Fluoranthene	**0.15**	mg/Kg	0.0086	0.0029	1	02/03/2022 13:00	02/05/2022 04:46	T
Fluorene	**0.011**	mg/Kg	0.0086	0.0022	1	02/03/2022 13:00	02/05/2022 04:46	T
Indeno(1,2,3-cd)pyrene	**0.65**	mg/Kg	0.0086	0.0025	1	02/03/2022 13:00	02/05/2022 04:46	T
Naphthalene	**0.027**	mg/Kg	0.0086	0.0018	1	02/03/2022 13:00	02/05/2022 04:46	T
Phenanthrene	**0.039**	mg/Kg	0.0086	0.0022	1	02/03/2022 13:00	02/05/2022 04:46	T
Pyrene	**0.28**	mg/Kg	0.0086	0.0024	1	02/03/2022 13:00	02/05/2022 04:46	T
SEMIVOLATILES (SW-846 3550B/SW-846 8270C)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342010 **Date Collected:** 02/02/2022 12:10 **Matrix:** Soil
Sample ID: SB-10 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,2,4-Trichlorobenzene	0.032 U	mg/Kg	0.22	0.032	1	02/04/2022 15:45	02/07/2022 07:06	T
1,2-Dichlorobenzene	0.044 U	mg/Kg	0.22	0.044	1	02/04/2022 15:45	02/07/2022 07:06	T
1,2-Diphenylhydrazine	0.083 U	mg/Kg	0.22	0.083	1	02/04/2022 15:45	02/07/2022 07:06	T
1,3-Dichlorobenzene	0.022 U	mg/Kg	0.22	0.022	1	02/04/2022 15:45	02/07/2022 07:06	T
1,4-Dichlorobenzene	0.048 U	mg/Kg	0.22	0.048	1	02/04/2022 15:45	02/07/2022 07:06	T
1-Methylnaphthalene	**0.019 I**	mg/Kg	0.22	0.0042	1	02/04/2022 15:45	02/07/2022 07:06	T
2,4,6-Trichlorophenol	0.040 U	mg/Kg	0.22	0.040	1	02/04/2022 15:45	02/07/2022 07:06	T
2,4-Dichlorophenol	0.046 U	mg/Kg	0.22	0.046	1	02/04/2022 15:45	02/07/2022 07:06	T
2,4-Dimethylphenol	0.046 U	mg/Kg	0.22	0.046	1	02/04/2022 15:45	02/07/2022 07:06	T
2,4-Dinitrophenol	0.13 U	mg/Kg	0.22	0.13	1	02/04/2022 15:45	02/07/2022 07:06	T
2,4-Dinitrotoluene (2,4-DNT)	0.068 U	mg/Kg	0.22	0.068	1	02/04/2022 15:45	02/07/2022 07:06	T
2,6-Dinitrotoluene (2,6-DNT)	0.054 U	mg/Kg	0.22	0.054	1	02/04/2022 15:45	02/07/2022 07:06	T
2-Chloronaphthalene	0.042 U	mg/Kg	0.22	0.042	1	02/04/2022 15:45	02/08/2022 07:59	T
2-Chlorophenol	0.038 U	mg/Kg	0.22	0.038	1	02/04/2022 15:45	02/07/2022 07:06	T
2-Methyl-4,6-dinitrophenol	0.048 U	mg/Kg	0.22	0.048	1	02/04/2022 15:45	02/07/2022 07:06	T
2-Methylnaphthalene	**0.019 I**	mg/Kg	0.22	0.0051	1	02/04/2022 15:45	02/07/2022 07:06	T
2-Nitrophenol	0.048 U	mg/Kg	0.22	0.048	1	02/04/2022 15:45	02/07/2022 07:06	T
3,3`-Dichlorobenzidine	0.029 U	mg/Kg	0.22	0.029	1	02/04/2022 15:45	02/07/2022 07:06	T
4-Bromophenyl Phenyl Ether	0.055 U	mg/Kg	0.22	0.055	1	02/04/2022 15:45	02/07/2022 07:06	T
4-Chloro-3-methylphenol	0.046 U	mg/Kg	0.22	0.046	1	02/04/2022 15:45	02/07/2022 07:06	T
4-Chlorophenyl Phenyl Ether	0.047 U	mg/Kg	0.22	0.047	1	02/04/2022 15:45	02/07/2022 07:06	T
4-Nitrophenol	0.061 U	mg/Kg	0.22	0.061	1	02/04/2022 15:45	02/07/2022 07:06	T
Acenaphthene	0.0049 U	mg/Kg	0.22	0.0049	1	02/04/2022 15:45	02/07/2022 07:06	T
Acenaphthylene	**0.24**	mg/Kg	0.22	0.0055	1	02/04/2022 15:45	02/07/2022 07:06	T
Anthracene	**0.14 I**	mg/Kg	0.22	0.0054	1	02/04/2022 15:45	02/07/2022 07:06	T
Benzidine	0.043 U	mg/Kg	0.22	0.043	1	02/04/2022 15:45	02/07/2022 07:06	T
Benzo[a]anthracene	0.0049 U	mg/Kg	0.22	0.0049	1	02/04/2022 15:45	02/07/2022 07:06	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342010 **Date Collected:** 02/02/2022 12:10 **Matrix:** Soil
Sample ID: SB-10 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[a]pyrene	**0.59**	mg/Kg	0.22	0.0046	1	02/04/2022 15:45	02/07/2022 07:06	T
Benzo[b]fluoranthene	**1.1**	mg/Kg	0.22	0.0069	1	02/04/2022 15:45	02/07/2022 07:06	T
Benzo[g,h,i]perylene	**0.62**	mg/Kg	0.22	0.0040	1	02/04/2022 15:45	02/07/2022 07:06	T
Benzo[k]fluoranthene	0.0072 U	mg/Kg	0.22	0.0072	1	02/04/2022 15:45	02/07/2022 07:06	T
Butyl benzyl phthalate	0.030 U	mg/Kg	0.22	0.030	1	02/04/2022 15:45	02/07/2022 07:06	T
Chrysene	**0.36**	mg/Kg	0.22	0.0055	1	02/04/2022 15:45	02/07/2022 07:06	T
Di-n-Butyl Phthalate	0.045 U	mg/Kg	0.22	0.045	1	02/04/2022 15:45	02/07/2022 07:06	T
Di-n-octyl Phthalate	0.028 U	mg/Kg	0.22	0.028	1	02/04/2022 15:45	02/07/2022 07:06	T
Dibenzo[a,h]anthracene	**0.16 I**	mg/Kg	0.22	0.0041	1	02/04/2022 15:45	02/07/2022 07:06	T
Diethyl phthalate	0.042 U	mg/Kg	0.22	0.042	1	02/04/2022 15:45	02/07/2022 07:06	T
Dimethyl phthalate	0.040 U	mg/Kg	0.22	0.040	1	02/04/2022 15:45	02/07/2022 07:06	T
Fluoranthene	**0.15 I**	mg/Kg	0.22	0.052	1	02/04/2022 15:45	02/07/2022 07:06	T
Fluorene	**0.013 I**	mg/Kg	0.22	0.0048	1	02/04/2022 15:45	02/07/2022 07:06	T
Hexachlorobenzene	0.063 U	mg/Kg	0.22	0.063	1	02/04/2022 15:45	02/07/2022 07:06	T
Hexachlorobutadiene	0.035 U	mg/Kg	0.22	0.035	1	02/04/2022 15:45	02/07/2022 07:06	T
Hexachlorocyclopentadiene	0.036 U	mg/Kg	0.22	0.036	1	02/04/2022 15:45	02/07/2022 07:06	T
Hexachloroethane	0.030 U	mg/Kg	0.22	0.030	1	02/04/2022 15:45	02/07/2022 07:06	T
Indeno(1,2,3-cd)pyrene	**0.62**	mg/Kg	0.22	0.0042	1	02/04/2022 15:45	02/07/2022 07:06	T
Isophorone	0.024 U	mg/Kg	0.22	0.024	1	02/04/2022 15:45	02/07/2022 07:06	T
N-Nitrosodi-n-propylamine	0.038 U	mg/Kg	0.22	0.038	1	02/04/2022 15:45	02/07/2022 07:06	T
N-Nitrosodimethylamine	0.0097 U	mg/Kg	0.22	0.0097	1	02/04/2022 15:45	02/07/2022 07:06	T
N-Nitrosodiphenylamine	0.028 U	mg/Kg	0.22	0.028	1	02/04/2022 15:45	02/07/2022 07:06	T
Naphthalene	0.0052 U	mg/Kg	0.22	0.0052	1	02/04/2022 15:45	02/07/2022 07:06	T
Nitrobenzene	0.052 U	mg/Kg	0.22	0.052	1	02/04/2022 15:45	02/07/2022 07:06	T
Pentachlorophenol	0.072 U	mg/Kg	0.22	0.072	1	02/04/2022 15:45	02/07/2022 07:06	T
Phenanthrene	**0.029 I**	mg/Kg	0.22	0.0061	1	02/04/2022 15:45	02/07/2022 07:06	T
Phenol	0.042 U	mg/Kg	0.22	0.042	1	02/04/2022 15:45	02/07/2022 07:06	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342010 **Date Collected:** 02/02/2022 12:10 **Matrix:** Soil
Sample ID: SB-10 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	**0.27**	mg/Kg	0.22	0.0047	1	02/04/2022 15:45	02/07/2022 07:06	T
bis(2-Chloroethoxy)methane	0.032 U	mg/Kg	0.22	0.032	1	02/04/2022 15:45	02/07/2022 07:06	T
bis(2-Chloroethyl)Ether	0.044 U	mg/Kg	0.22	0.044	1	02/04/2022 15:45	02/07/2022 07:06	T
bis(2-Chloroisopropyl) Ether	0.039 U	mg/Kg	0.22	0.039	1	02/04/2022 15:45	02/07/2022 07:06	T
bis(2-Ethylhexyl) phthalate	0.034 U	mg/Kg	0.22	0.034	1	02/04/2022 15:45	02/07/2022 07:06	T
(SM 2540G)								
Percent Moisture	**7**	%	0.001	0.0010	1	02/03/2022 11:40	02/03/2022 11:40	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1-Trichloroethane	0.00063 U	mg/Kg	0.0027	0.00063	1	02/07/2022 16:36	02/07/2022 19:51	T
1,1,2,2-Tetrachloroethane	0.00046 U	mg/Kg	0.0027	0.00046	1	02/07/2022 16:36	02/07/2022 19:51	T
1,1,2-Trichloroethane	0.00044 U	mg/Kg	0.0027	0.00044	1	02/07/2022 16:36	02/07/2022 19:51	T
1,1-Dichloroethane	0.00063 U	mg/Kg	0.0027	0.00063	1	02/07/2022 16:36	02/07/2022 19:51	T
1,1-Dichloroethylene	0.00066 U	mg/Kg	0.0027	0.00066	1	02/07/2022 16:36	02/07/2022 19:51	T
1,2-Dichlorobenzene	0.00043 U	mg/Kg	0.0027	0.00043	1	02/07/2022 16:36	02/07/2022 19:51	T
1,2-Dichloroethane	0.00071 U	mg/Kg	0.0027	0.00071	1	02/07/2022 16:36	02/07/2022 19:51	T
1,2-Dichloropropane	0.00049 U	mg/Kg	0.0027	0.00049	1	02/07/2022 16:36	02/07/2022 19:51	T
1,3-Dichlorobenzene	0.00050 U	mg/Kg	0.0027	0.00050	1	02/07/2022 16:36	02/07/2022 19:51	T
1,4-Dichlorobenzene	0.00060 U	mg/Kg	0.0027	0.00060	1	02/07/2022 16:36	02/07/2022 19:51	T
2-Chloroethyl Vinyl Ether	0.0024 U	mg/Kg	0.0027	0.0024	1	02/07/2022 16:36	02/07/2022 19:51	T
Acrolein (Propenal)	0.0056 U	mg/Kg	0.014	0.0056	1	02/07/2022 16:36	02/07/2022 19:51	T
Acrylonitrile	0.00047 U	mg/Kg	0.0027	0.00047	1	02/07/2022 16:36	02/07/2022 19:51	T
Benzene	0.00045 U	mg/Kg	0.0027	0.00045	1	02/07/2022 16:36	02/07/2022 19:51	T
Bromodichloromethane	0.00048 U	mg/Kg	0.0027	0.00048	1	02/07/2022 16:36	02/07/2022 19:51	T
Bromoform	0.0018 U	mg/Kg	0.0027	0.0018	1	02/07/2022 16:36	02/07/2022 19:51	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342010 **Date Collected:** 02/02/2022 12:10 **Matrix:** Soil
Sample ID: SB-10 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Bromomethane	0.0011 U	mg/Kg	0.0027	0.0011	1	02/07/2022 16:36	02/07/2022 19:51	T
Carbon Tetrachloride	0.00076 U	mg/Kg	0.0027	0.00076	1	02/07/2022 16:36	02/07/2022 19:51	T
Chlorobenzene	0.00040 U	mg/Kg	0.0027	0.00040	1	02/07/2022 16:36	02/07/2022 19:51	T
Chloroethane	0.0013 U	mg/Kg	0.0027	0.0013	1	02/07/2022 16:36	02/07/2022 19:51	T
Chloroform	0.00055 U	mg/Kg	0.0027	0.00055	1	02/07/2022 16:36	02/07/2022 19:51	T
Chloromethane	0.00062 U	mg/Kg	0.0027	0.00062	1	02/07/2022 16:36	02/07/2022 19:51	T
Dibromochloromethane	0.0015 U	mg/Kg	0.0027	0.0015	1	02/07/2022 16:36	02/07/2022 19:51	T
Dichlorodifluoromethane	0.00092 U	mg/Kg	0.0027	0.00092	1	02/07/2022 16:36	02/07/2022 19:51	T
Ethylbenzene	0.00032 U	mg/Kg	0.0027	0.00032	1	02/07/2022 16:36	02/07/2022 19:51	T
Methyl tert-butyl Ether (MTBE)	0.00089 U	mg/Kg	0.0027	0.00089	1	02/07/2022 16:36	02/07/2022 19:51	T
Methylene Chloride	0.0036 U	mg/Kg	0.0045	0.0036	1	02/07/2022 16:36	02/07/2022 19:51	T
Tetrachloroethylene (PCE)	0.00051 U	mg/Kg	0.0027	0.00051	1	02/07/2022 16:36	02/07/2022 19:51	T
Toluene	0.00033 U	mg/Kg	0.0027	0.00033	1	02/07/2022 16:36	02/07/2022 19:51	T
Trichloroethene	0.00067 U	mg/Kg	0.0027	0.00067	1	02/07/2022 16:36	02/07/2022 19:51	T
Trichlorofluoromethane	0.00060 U	mg/Kg	0.0027	0.00060	1	02/07/2022 16:36	02/07/2022 19:51	T
Vinyl Chloride	0.00052 U	mg/Kg	0.0027	0.00052	1	02/07/2022 16:36	02/07/2022 19:51	T
Xylene (Total)	0.0012 U	mg/Kg	0.0054	0.0012	1	02/07/2022 16:36	02/07/2022 19:51	T
cis-1,2-Dichloroethylene	0.00053 U	mg/Kg	0.0027	0.00053	1	02/07/2022 16:36	02/07/2022 19:51	T
cis-1,3-Dichloropropene	0.0019 U	mg/Kg	0.0027	0.0019	1	02/07/2022 16:36	02/07/2022 19:51	T
trans-1,2-Dichloroethylene	0.00055 U	mg/Kg	0.0027	0.00055	1	02/07/2022 16:36	02/07/2022 19:51	T
trans-1,3-Dichloropropylene	0.0017 U	mg/Kg	0.0027	0.0017	1	02/07/2022 16:36	02/07/2022 19:51	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Analysis Results Comments

Decachlorobiphenyl

J4|Estimated Result

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	42	40	96	69 - 134	T
Toluene-d8 (S)	ug/Kg	42	41	98	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	42	46	110	79 - 126	T
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.29	73	33 - 134	T
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.30	74	42 - 141	T
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.25	62	37 - 127	T
Nonatricontane-C39 (S)	mg/Kg	6	5.60	95	36 - 132	T
o-Terphenyl (S)	mg/Kg	2	1.70	84	66 - 136	T
Decachlorobiphenyl (S)	ug/Kg	74	42	**57**	63 - 130	M
Tetrachloro-m-xylene (S)	ug/Kg	150	120	83	42 - 129	M
2,4,6-Tribromophenol (S)	mg/Kg	2	2.10	104	39 - 132	T
Phenol-d6 (S)	mg/Kg	2	1.70	86	33 - 122	T
2-Fluorobiphenyl (S)	mg/Kg	2	1.60	81	44 - 115	T
2-Fluorophenol (S)	mg/Kg	2	1.70	83	35 - 115	T
Nitrobenzene-d5 (S)	mg/Kg	2	1.80	90	37 - 122	T
p-Terphenyl-d14 (S)	mg/Kg	2	2	100	54 - 127	T
Decachlorobiphenyl (S)	ug/Kg	74	42	**57**	61 - 147	M
Tetrachloro-m-xylene (S)	ug/Kg	150	120	83	44 - 130	M

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342011 **Date Collected:** 02/02/2022 12:25 **Matrix:** Soil
Sample ID: SB-11 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**2.0**	mg/Kg	0.27	0.13	1	02/08/2022 11:00	02/08/2022 19:46	T
Cadmium	**0.15**	mg/Kg	0.053	0.027	1	02/08/2022 11:00	02/08/2022 19:46	T
Chromium	**9.9**	mg/Kg	0.27	0.21	1	02/08/2022 11:00	02/08/2022 19:46	T
Lead	**23**	mg/Kg	0.27	0.13	1	02/08/2022 11:00	02/08/2022 19:46	T
SEMIVOLATILES (FL-PRO)								
TPH	**6.2 I**	mg/Kg	15	5.2	1	02/03/2022 13:00	02/04/2022 05:03	T
SEMIVOLATILES (SW-846 3550B/EPA 8081)								
4,4`-DDD	**0.0024**	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
4,4`-DDE	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
4,4`-DDT	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Aldrin	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Chlordane (technical)	0.0099 U	mg/Kg	0.033	0.0099	1	02/04/2022 09:30	02/04/2022 00:00	M
Dieldrin	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Endosulfan I	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Endosulfan II	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Endosulfan Sulfate	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Endrin	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Endrin Aldehyde	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Heptachlor	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Heptachlor Epoxide	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Methoxychlor	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Toxaphene	0.011 U	mg/Kg	0.033	0.011	1	02/04/2022 09:30	02/04/2022 00:00	M
alpha-BHC	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
beta-BHC	**0.0029**	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
delta-BHC	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
gamma-BHC (Lindane)	**0.0017**	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
SEMIVOLATILES (SW-846 3550B/SW-846 8082A)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342011 **Date Collected:** 02/02/2022 12:25 **Matrix:** Soil
Sample ID: SB-11 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Aroclor 1016 (PCB-1016)	0.020 U	mg/Kg	0.033	0.020	1	02/04/2022 12:35	02/04/2022 21:41	M
Aroclor 1221 (PCB-1221)	0.023 U	mg/Kg	0.033	0.023	1	02/04/2022 12:35	02/04/2022 21:41	M
Aroclor 1232 (PCB-1232)	0.032 U	mg/Kg	0.033	0.032	1	02/04/2022 12:35	02/04/2022 21:41	M
Aroclor 1242 (PCB-1242)	0.025 U	mg/Kg	0.033	0.025	1	02/04/2022 12:35	02/04/2022 21:41	M
Aroclor 1248 (PCB-1248)	0.012 U	mg/Kg	0.033	0.012	1	02/04/2022 12:35	02/04/2022 21:41	M
Aroclor 1254 (PCB-1254)	0.0067 U	mg/Kg	0.033	0.0067	1	02/04/2022 12:35	02/04/2022 21:41	M
Aroclor 1260 (PCB-1260)	0.040 U	mg/Kg	0.067	0.040	1	02/04/2022 12:35	02/04/2022 21:41	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	**0.012**	mg/Kg	0.0087	0.0016	1	02/03/2022 13:00	02/05/2022 05:14	T
2-Methylnaphthalene	**0.014**	mg/Kg	0.0087	0.0021	1	02/03/2022 13:00	02/05/2022 05:14	T
Acenaphthene	0.0016 U	mg/Kg	0.0087	0.0016	1	02/03/2022 13:00	02/05/2022 05:14	T
Acenaphthylene	**0.0043 I**	mg/Kg	0.0087	0.0019	1	02/03/2022 13:00	02/05/2022 05:14	T
Anthracene	**0.0049 I**	mg/Kg	0.0087	0.0026	1	02/03/2022 13:00	02/05/2022 05:14	T
Benzo[a]anthracene	**0.017**	mg/Kg	0.0087	0.0021	1	02/03/2022 13:00	02/05/2022 05:14	T
Benzo[a]pyrene	**0.017**	mg/Kg	0.0087	0.0018	1	02/03/2022 13:00	02/05/2022 05:14	T
Benzo[b]fluoranthene	**0.029**	mg/Kg	0.0087	0.0017	1	02/03/2022 13:00	02/05/2022 05:14	T
Benzo[g,h,i]perylene	**0.016**	mg/Kg	0.0087	0.0020	1	02/03/2022 13:00	02/05/2022 05:14	T
Benzo[k]fluoranthene	**0.011**	mg/Kg	0.0087	0.0025	1	02/03/2022 13:00	02/05/2022 05:14	T
Chrysene	**0.022**	mg/Kg	0.0087	0.0031	1	02/03/2022 13:00	02/05/2022 05:14	T
Dibenzo[a,h]anthracene	**0.0058 I**	mg/Kg	0.0087	0.0017	1	02/03/2022 13:00	02/05/2022 05:14	T
Fluoranthene	**0.017**	mg/Kg	0.0087	0.0029	1	02/03/2022 13:00	02/05/2022 05:14	T
Fluorene	0.0023 U	mg/Kg	0.0087	0.0023	1	02/03/2022 13:00	02/05/2022 05:14	T
Indeno(1,2,3-cd)pyrene	**0.017**	mg/Kg	0.0087	0.0025	1	02/03/2022 13:00	02/05/2022 05:14	T
Naphthalene	**0.0077 I**	mg/Kg	0.0087	0.0018	1	02/03/2022 13:00	02/05/2022 05:14	T
Phenanthrene	**0.014**	mg/Kg	0.0087	0.0023	1	02/03/2022 13:00	02/05/2022 05:14	T
Pyrene	**0.020**	mg/Kg	0.0087	0.0025	1	02/03/2022 13:00	02/05/2022 05:14	T
SEMIVOLATILES (SW-846 3550B/SW-846 8270C)								

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342011 **Date Collected:** 02/02/2022 12:25 **Matrix:** Soil
Sample ID: SB-11 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,2,4-Trichlorobenzene	0.032 U	mg/Kg	0.22	0.032	1	02/04/2022 15:45	02/07/2022 00:02	T
1,2-Dichlorobenzene	0.044 U	mg/Kg	0.22	0.044	1	02/04/2022 15:45	02/07/2022 00:02	T
1,2-Diphenylhydrazine	0.084 U	mg/Kg	0.22	0.084	1	02/04/2022 15:45	02/07/2022 00:02	T
1,3-Dichlorobenzene	0.023 U	mg/Kg	0.22	0.023	1	02/04/2022 15:45	02/07/2022 00:02	T
1,4-Dichlorobenzene	0.049 U	mg/Kg	0.22	0.049	1	02/04/2022 15:45	02/07/2022 00:02	T
1-Methylnaphthalene	**0.0053 I**	mg/Kg	0.22	0.0042	1	02/04/2022 15:45	02/07/2022 00:02	T
2,4,6-Trichlorophenol	0.041 U	mg/Kg	0.22	0.041	1	02/04/2022 15:45	02/07/2022 00:02	T
2,4-Dichlorophenol	0.046 U	mg/Kg	0.22	0.046	1	02/04/2022 15:45	02/07/2022 00:02	T
2,4-Dimethylphenol	0.046 U	mg/Kg	0.22	0.046	1	02/04/2022 15:45	02/07/2022 00:02	T
2,4-Dinitrophenol	0.13 U	mg/Kg	0.22	0.13	1	02/04/2022 15:45	02/07/2022 00:02	T
2,4-Dinitrotoluene (2,4-DNT)	0.069 U	mg/Kg	0.22	0.069	1	02/04/2022 15:45	02/07/2022 00:02	T
2,6-Dinitrotoluene (2,6-DNT)	0.055 U	mg/Kg	0.22	0.055	1	02/04/2022 15:45	02/07/2022 00:02	T
2-Chloronaphthalene	0.042 U	mg/Kg	0.22	0.042	1	02/04/2022 15:45	02/07/2022 00:02	T
2-Chlorophenol	0.039 U	mg/Kg	0.22	0.039	1	02/04/2022 15:45	02/07/2022 00:02	T
2-Methyl-4,6-dinitrophenol	0.049 U	mg/Kg	0.22	0.049	1	02/04/2022 15:45	02/07/2022 00:02	T
2-Methylnaphthalene	0.0052 U	mg/Kg	0.22	0.0052	1	02/04/2022 15:45	02/07/2022 00:02	T
2-Nitrophenol	0.048 U	mg/Kg	0.22	0.048	1	02/04/2022 15:45	02/07/2022 00:02	T
3,3`-Dichlorobenzidine	0.030 U	mg/Kg	0.22	0.030	1	02/04/2022 15:45	02/07/2022 00:02	T
4-Bromophenyl Phenyl Ether	0.056 U	mg/Kg	0.22	0.056	1	02/04/2022 15:45	02/07/2022 00:02	T
4-Chloro-3-methylphenol	0.046 U	mg/Kg	0.22	0.046	1	02/04/2022 15:45	02/07/2022 00:02	T
4-Chlorophenyl Phenyl Ether	0.048 U	mg/Kg	0.22	0.048	1	02/04/2022 15:45	02/07/2022 00:02	T
4-Nitrophenol	0.062 U	mg/Kg	0.22	0.062	1	02/04/2022 15:45	02/07/2022 00:02	T
Acenaphthene	0.0050 U	mg/Kg	0.22	0.0050	1	02/04/2022 15:45	02/07/2022 00:02	T
Acenaphthylene	**0.0061 I**	mg/Kg	0.22	0.0056	1	02/04/2022 15:45	02/07/2022 00:02	T
Anthracene	0.0055 U	mg/Kg	0.22	0.0055	1	02/04/2022 15:45	02/07/2022 00:02	T
Benzidine	0.043 U	mg/Kg	0.22	0.043	1	02/04/2022 15:45	02/07/2022 00:02	T
Benzo[a]anthracene	**0.034 I**	mg/Kg	0.22	0.0050	1	02/04/2022 15:45	02/07/2022 00:02	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342011 **Date Collected:** 02/02/2022 12:25 **Matrix:** Soil
Sample ID: SB-11 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[a]pyrene	**0.036 I**	mg/Kg	0.22	0.0047	1	02/04/2022 15:45	02/07/2022 00:02	T
Benzo[b]fluoranthene	**0.055 I**	mg/Kg	0.22	0.0069	1	02/04/2022 15:45	02/07/2022 00:02	T
Benzo[g,h,i]perylene	**0.026 I**	mg/Kg	0.22	0.0041	1	02/04/2022 15:45	02/07/2022 00:02	T
Benzo[k]fluoranthene	0.0073 U	mg/Kg	0.22	0.0073	1	02/04/2022 15:45	02/07/2022 00:02	T
Butyl benzyl phthalate	0.030 U	mg/Kg	0.22	0.030	1	02/04/2022 15:45	02/07/2022 00:02	T
Chrysene	**0.031 I**	mg/Kg	0.22	0.0055	1	02/04/2022 15:45	02/07/2022 00:02	T
Di-n-Butyl Phthalate	0.045 U	mg/Kg	0.22	0.045	1	02/04/2022 15:45	02/07/2022 00:02	T
Di-n-octyl Phthalate	0.029 U	mg/Kg	0.22	0.029	1	02/04/2022 15:45	02/07/2022 00:02	T
Dibenzo[a,h]anthracene	**0.0077 I**	mg/Kg	0.22	0.0042	1	02/04/2022 15:45	02/07/2022 00:02	T
Diethyl phthalate	0.042 U	mg/Kg	0.22	0.042	1	02/04/2022 15:45	02/07/2022 00:02	T
Dimethyl phthalate	0.041 U	mg/Kg	0.22	0.041	1	02/04/2022 15:45	02/07/2022 00:02	T
Fluoranthene	0.053 U	mg/Kg	0.22	0.053	1	02/04/2022 15:45	02/07/2022 00:02	T
Fluorene	0.0048 U	mg/Kg	0.22	0.0048	1	02/04/2022 15:45	02/07/2022 00:02	T
Hexachlorobenzene	0.064 U	mg/Kg	0.22	0.064	1	02/04/2022 15:45	02/07/2022 00:02	T
Hexachlorobutadiene	0.036 U	mg/Kg	0.22	0.036	1	02/04/2022 15:45	02/07/2022 00:02	T
Hexachlorocyclopentadiene	0.037 U	mg/Kg	0.22	0.037	1	02/04/2022 15:45	02/07/2022 00:02	T
Hexachloroethane	0.030 U	mg/Kg	0.22	0.030	1	02/04/2022 15:45	02/07/2022 00:02	T
Indeno(1,2,3-cd)pyrene	**0.027 I**	mg/Kg	0.22	0.0043	1	02/04/2022 15:45	02/07/2022 00:02	T
Isophorone	0.025 U	mg/Kg	0.22	0.025	1	02/04/2022 15:45	02/07/2022 00:02	T
N-Nitrosodi-n-propylamine	0.039 U	mg/Kg	0.22	0.039	1	02/04/2022 15:45	02/07/2022 00:02	T
N-Nitrosodimethylamine	0.0098 U	mg/Kg	0.22	0.0098	1	02/04/2022 15:45	02/07/2022 00:02	T
N-Nitrosodiphenylamine	0.029 U	mg/Kg	0.22	0.029	1	02/04/2022 15:45	02/07/2022 00:02	T
Naphthalene	0.0052 U	mg/Kg	0.22	0.0052	1	02/04/2022 15:45	02/07/2022 00:02	T
Nitrobenzene	0.052 U	mg/Kg	0.22	0.052	1	02/04/2022 15:45	02/07/2022 00:02	T
Pentachlorophenol	0.073 U	mg/Kg	0.22	0.073	1	02/04/2022 15:45	02/07/2022 00:02	T
Phenanthrene	**0.025 I**	mg/Kg	0.22	0.0062	1	02/04/2022 15:45	02/07/2022 00:02	T
Phenol	0.043 U	mg/Kg	0.22	0.043	1	02/04/2022 15:45	02/07/2022 00:02	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342011 **Date Collected:** 02/02/2022 12:25 **Matrix:** Soil
Sample ID: SB-11 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	**0.045 I**	mg/Kg	0.22	0.0047	1	02/04/2022 15:45	02/07/2022 00:02	T
bis(2-Chloroethoxy)methane	0.032 U	mg/Kg	0.22	0.032	1	02/04/2022 15:45	02/07/2022 00:02	T
bis(2-Chloroethyl)Ether	0.045 U	mg/Kg	0.22	0.045	1	02/04/2022 15:45	02/07/2022 00:02	T
bis(2-Chloroisopropyl) Ether	0.040 U	mg/Kg	0.22	0.040	1	02/04/2022 15:45	02/07/2022 00:02	T
bis(2-Ethylhexyl) phthalate	0.034 U	mg/Kg	0.22	0.034	1	02/04/2022 15:45	02/07/2022 00:02	T
(SM 2540G)								
Percent Moisture	**8**	%	0.001	0.0010	1	02/03/2022 11:40	02/03/2022 11:40	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1-Trichloroethane	0.00063 U	mg/Kg	0.0027	0.00063	1	02/07/2022 16:36	02/07/2022 20:19	T
1,1,2,2-Tetrachloroethane	0.00046 U	mg/Kg	0.0027	0.00046	1	02/07/2022 16:36	02/07/2022 20:19	T
1,1,2-Trichloroethane	0.00044 U	mg/Kg	0.0027	0.00044	1	02/07/2022 16:36	02/07/2022 20:19	T
1,1-Dichloroethane	0.00064 U	mg/Kg	0.0027	0.00064	1	02/07/2022 16:36	02/07/2022 20:19	T
1,1-Dichloroethylene	0.00067 U	mg/Kg	0.0027	0.00067	1	02/07/2022 16:36	02/07/2022 20:19	T
1,2-Dichlorobenzene	0.00043 U	mg/Kg	0.0027	0.00043	1	02/07/2022 16:36	02/07/2022 20:19	T
1,2-Dichloroethane	0.00071 U	mg/Kg	0.0027	0.00071	1	02/07/2022 16:36	02/07/2022 20:19	T
1,2-Dichloropropane	0.00049 U	mg/Kg	0.0027	0.00049	1	02/07/2022 16:36	02/07/2022 20:19	T
1,3-Dichlorobenzene	0.00050 U	mg/Kg	0.0027	0.00050	1	02/07/2022 16:36	02/07/2022 20:19	T
1,4-Dichlorobenzene	0.00060 U	mg/Kg	0.0027	0.00060	1	02/07/2022 16:36	02/07/2022 20:19	T
2-Chloroethyl Vinyl Ether	0.0024 U	mg/Kg	0.0027	0.0024	1	02/07/2022 16:36	02/07/2022 20:19	T
Acrolein (Propenal)	0.0056 U	mg/Kg	0.014	0.0056	1	02/07/2022 16:36	02/07/2022 20:19	T
Acrylonitrile	0.00047 U	mg/Kg	0.0027	0.00047	1	02/07/2022 16:36	02/07/2022 20:19	T
Benzene	0.00045 U	mg/Kg	0.0027	0.00045	1	02/07/2022 16:36	02/07/2022 20:19	T
Bromodichloromethane	0.00048 U	mg/Kg	0.0027	0.00048	1	02/07/2022 16:36	02/07/2022 20:19	T
Bromoform	0.0018 U	mg/Kg	0.0027	0.0018	1	02/07/2022 16:36	02/07/2022 20:19	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342011 **Date Collected:** 02/02/2022 12:25 **Matrix:** Soil
Sample ID: SB-11 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Bromomethane	0.0011 U	mg/Kg	0.0027	0.0011	1	02/07/2022 16:36	02/07/2022 20:19	T
Carbon Tetrachloride	0.00077 U	mg/Kg	0.0027	0.00077	1	02/07/2022 16:36	02/07/2022 20:19	T
Chlorobenzene	0.00040 U	mg/Kg	0.0027	0.00040	1	02/07/2022 16:36	02/07/2022 20:19	T
Chloroethane	0.0014 U	mg/Kg	0.0027	0.0014	1	02/07/2022 16:36	02/07/2022 20:19	T
Chloroform	0.00056 U	mg/Kg	0.0027	0.00056	1	02/07/2022 16:36	02/07/2022 20:19	T
Chloromethane	0.00062 U	mg/Kg	0.0027	0.00062	1	02/07/2022 16:36	02/07/2022 20:19	T
Dibromochloromethane	0.0016 U	mg/Kg	0.0027	0.0016	1	02/07/2022 16:36	02/07/2022 20:19	T
Dichlorodifluoromethane	0.00093 U	mg/Kg	0.0027	0.00093	1	02/07/2022 16:36	02/07/2022 20:19	T
Ethylbenzene	0.00032 U	mg/Kg	0.0027	0.00032	1	02/07/2022 16:36	02/07/2022 20:19	T
Methyl tert-butyl Ether (MTBE)	0.00090 U	mg/Kg	0.0027	0.00090	1	02/07/2022 16:36	02/07/2022 20:19	T
Methylene Chloride	0.0037 U	mg/Kg	0.0045	0.0037	1	02/07/2022 16:36	02/07/2022 20:19	T
Tetrachloroethylene (PCE)	0.00052 U	mg/Kg	0.0027	0.00052	1	02/07/2022 16:36	02/07/2022 20:19	T
Toluene	0.00034 U	mg/Kg	0.0027	0.00034	1	02/07/2022 16:36	02/07/2022 20:19	T
Trichloroethene	0.00067 U	mg/Kg	0.0027	0.00067	1	02/07/2022 16:36	02/07/2022 20:19	T
Trichlorofluoromethane	0.00060 U	mg/Kg	0.0027	0.00060	1	02/07/2022 16:36	02/07/2022 20:19	T
Vinyl Chloride	0.00052 U	mg/Kg	0.0027	0.00052	1	02/07/2022 16:36	02/07/2022 20:19	T
Xylene (Total)	0.0012 U	mg/Kg	0.0055	0.0012	1	02/07/2022 16:36	02/07/2022 20:19	T
cis-1,2-Dichloroethylene	0.00054 U	mg/Kg	0.0027	0.00054	1	02/07/2022 16:36	02/07/2022 20:19	T
cis-1,3-Dichloropropene	0.0019 U	mg/Kg	0.0027	0.0019	1	02/07/2022 16:36	02/07/2022 20:19	T
trans-1,2-Dichloroethylene	0.00055 U	mg/Kg	0.0027	0.00055	1	02/07/2022 16:36	02/07/2022 20:19	T
trans-1,3-Dichloropropylene	0.0017 U	mg/Kg	0.0027	0.0017	1	02/07/2022 16:36	02/07/2022 20:19	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Analysis Results Comments

Decachlorobiphenyl

J4|Estimated Result

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Toluene-d8 (S)	ug/Kg	42	41	98	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	42	47	113	79 - 126	T
1,2-Dichloroethane-d4 (S)	ug/Kg	42	40	96	69 - 134	T
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.23	58	37 - 127	T
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.27	69	33 - 134	T
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.30	75	42 - 141	T
o-Terphenyl (S)	mg/Kg	2	1.50	77	66 - 136	T
Nonatricontane-C39 (S)	mg/Kg	5.90	5.40	91	36 - 132	T
Decachlorobiphenyl (S)	ug/Kg	76	46	**60**	63 - 130	M
Tetrachloro-m-xylene (S)	ug/Kg	150	150	96	42 - 129	M
2,4,6-Tribromophenol (S)	mg/Kg	2	1.90	93	39 - 132	T
Phenol-d6 (S)	mg/Kg	2	1.10	55	33 - 122	T
2-Fluorobiphenyl (S)	mg/Kg	2	1.10	56	44 - 115	T
2-Fluorophenol (S)	mg/Kg	2	1.10	54	35 - 115	T
Nitrobenzene-d5 (S)	mg/Kg	2	1.20	59	37 - 122	T
p-Terphenyl-d14 (S)	mg/Kg	2	1.90	93	54 - 127	T
Decachlorobiphenyl (S)	ug/Kg	76	46	**60**	61 - 147	M
Tetrachloro-m-xylene (S)	ug/Kg	150	150	96	44 - 130	M

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342012 **Date Collected:** 02/02/2022 12:45 **Matrix:** Soil
Sample ID: SB-12 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**1.8**	mg/Kg	0.27	0.14	1	02/08/2022 11:00	02/08/2022 19:49	T
Cadmium	**0.49**	mg/Kg	0.055	0.027	1	02/08/2022 11:00	02/08/2022 19:49	T
Chromium	**7.4**	mg/Kg	0.27	0.22	1	02/08/2022 11:00	02/08/2022 19:49	T
Lead	**19**	mg/Kg	0.27	0.14	1	02/08/2022 11:00	02/08/2022 19:49	T
SEMIVOLATILES (FL-PRO)								
TPH	**30**	mg/Kg	15	5.2	1	02/03/2022 13:00	02/04/2022 06:27	T
SEMIVOLATILES (SW-846 3550B/EPA 8081)								
4,4`-DDD	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
4,4`-DDE	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
4,4`-DDT	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Aldrin	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Chlordane (technical)	0.010 U	mg/Kg	0.034	0.010	1	02/04/2022 09:30	02/04/2022 00:00	M
Dieldrin	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Endosulfan I	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Endosulfan II	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Endosulfan Sulfate	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Endrin	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Endrin Aldehyde	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Heptachlor	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Heptachlor Epoxide	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Methoxychlor	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
Toxaphene	0.011 U	mg/Kg	0.034	0.011	1	02/04/2022 09:30	02/04/2022 00:00	M
alpha-BHC	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
beta-BHC	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
delta-BHC	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
gamma-BHC (Lindane)	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/04/2022 00:00	M
SEMIVOLATILES (SW-846 3550B/SW-846 8082A)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342012 **Date Collected:** 02/02/2022 12:45 **Matrix:** Soil
Sample ID: SB-12 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Aroclor 1016 (PCB-1016)	0.020 U	mg/Kg	0.034	0.020	1	02/04/2022 12:35	02/04/2022 22:03	M
Aroclor 1221 (PCB-1221)	0.023 U	mg/Kg	0.034	0.023	1	02/04/2022 12:35	02/04/2022 22:03	M
Aroclor 1232 (PCB-1232)	0.032 U	mg/Kg	0.034	0.032	1	02/04/2022 12:35	02/04/2022 22:03	M
Aroclor 1242 (PCB-1242)	0.025 U	mg/Kg	0.034	0.025	1	02/04/2022 12:35	02/04/2022 22:03	M
Aroclor 1248 (PCB-1248)	0.012 U	mg/Kg	0.034	0.012	1	02/04/2022 12:35	02/04/2022 22:03	M
Aroclor 1254 (PCB-1254)	0.0067 U	mg/Kg	0.034	0.0067	1	02/04/2022 12:35	02/04/2022 22:03	M
Aroclor 1260 (PCB-1260)	0.040 U	mg/Kg	0.067	0.040	1	02/04/2022 12:35	02/04/2022 22:03	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	**0.0080 I**	mg/Kg	0.0087	0.0016	1	02/03/2022 13:00	02/05/2022 05:43	T
2-Methylnaphthalene	**0.0094**	mg/Kg	0.0087	0.0021	1	02/03/2022 13:00	02/05/2022 05:43	T
Acenaphthene	**0.0033 I**	mg/Kg	0.0087	0.0016	1	02/03/2022 13:00	02/05/2022 05:43	T
Acenaphthylene	**0.16**	mg/Kg	0.0087	0.0019	1	02/03/2022 13:00	02/05/2022 05:43	T
Anthracene	**0.16**	mg/Kg	0.0087	0.0026	1	02/03/2022 13:00	02/05/2022 05:43	T
Benzo[a]anthracene	**0.24**	mg/Kg	0.0087	0.0021	1	02/03/2022 13:00	02/05/2022 05:43	T
Benzo[a]pyrene	**0.38**	mg/Kg	0.0087	0.0018	1	02/03/2022 13:00	02/05/2022 05:43	T
Benzo[b]fluoranthene	**0.68**	mg/Kg	0.0087	0.0017	1	02/03/2022 13:00	02/05/2022 05:43	T
Benzo[g,h,i]perylene	**0.36**	mg/Kg	0.0087	0.0020	1	02/03/2022 13:00	02/05/2022 05:43	T
Benzo[k]fluoranthene	**0.24**	mg/Kg	0.0087	0.0025	1	02/03/2022 13:00	02/05/2022 05:43	T
Chrysene	**0.21**	mg/Kg	0.0087	0.0031	1	02/03/2022 13:00	02/05/2022 05:43	T
Dibenzo[a,h]anthracene	**0.10**	mg/Kg	0.0087	0.0017	1	02/03/2022 13:00	02/05/2022 05:43	T
Fluoranthene	**0.14**	mg/Kg	0.0087	0.0029	1	02/03/2022 13:00	02/05/2022 05:43	T
Fluorene	**0.0067 I**	mg/Kg	0.0087	0.0023	1	02/03/2022 13:00	02/05/2022 05:43	T
Indeno(1,2,3-cd)pyrene	**0.37**	mg/Kg	0.0087	0.0025	1	02/03/2022 13:00	02/05/2022 05:43	T
Naphthalene	**0.0072 I**	mg/Kg	0.0087	0.0018	1	02/03/2022 13:00	02/05/2022 05:43	T
Phenanthrene	**0.019**	mg/Kg	0.0087	0.0023	1	02/03/2022 13:00	02/05/2022 05:43	T
Pyrene	**0.27**	mg/Kg	0.0087	0.0025	1	02/03/2022 13:00	02/05/2022 05:43	T
SEMIVOLATILES (SW-846 3550B/SW-846 8270C)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342012 **Date Collected:** 02/02/2022 12:45 **Matrix:** Soil
Sample ID: SB-12 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,2,4-Trichlorobenzene	0.032 U	mg/Kg	0.22	0.032	1	02/04/2022 15:45	02/07/2022 06:29	T
1,2-Dichlorobenzene	0.044 U	mg/Kg	0.22	0.044	1	02/04/2022 15:45	02/07/2022 06:29	T
1,2-Diphenylhydrazine	0.083 U	mg/Kg	0.22	0.083	1	02/04/2022 15:45	02/07/2022 06:29	T
1,3-Dichlorobenzene	0.023 U	mg/Kg	0.22	0.023	1	02/04/2022 15:45	02/07/2022 06:29	T
1,4-Dichlorobenzene	0.049 U	mg/Kg	0.22	0.049	1	02/04/2022 15:45	02/07/2022 06:29	T
1-Methylnaphthalene	**0.0049 I**	mg/Kg	0.22	0.0042	1	02/04/2022 15:45	02/07/2022 06:29	T
2,4,6-Trichlorophenol	0.041 U	mg/Kg	0.22	0.041	1	02/04/2022 15:45	02/07/2022 06:29	T
2,4-Dichlorophenol	0.046 U	mg/Kg	0.22	0.046	1	02/04/2022 15:45	02/07/2022 06:29	T
2,4-Dimethylphenol	0.046 U	mg/Kg	0.22	0.046	1	02/04/2022 15:45	02/07/2022 06:29	T
2,4-Dinitrophenol	0.13 U	mg/Kg	0.22	0.13	1	02/04/2022 15:45	02/07/2022 06:29	T
2,4-Dinitrotoluene (2,4-DNT)	0.069 U	mg/Kg	0.22	0.069	1	02/04/2022 15:45	02/07/2022 06:29	T
2,6-Dinitrotoluene (2,6-DNT)	0.055 U	mg/Kg	0.22	0.055	1	02/04/2022 15:45	02/07/2022 06:29	T
2-Chloronaphthalene	0.042 U	mg/Kg	0.22	0.042	1	02/04/2022 15:45	02/08/2022 07:22	T
2-Chlorophenol	0.039 U	mg/Kg	0.22	0.039	1	02/04/2022 15:45	02/07/2022 06:29	T
2-Methyl-4,6-dinitrophenol	0.049 U	mg/Kg	0.22	0.049	1	02/04/2022 15:45	02/07/2022 06:29	T
2-Methylnaphthalene	0.0052 U	mg/Kg	0.22	0.0052	1	02/04/2022 15:45	02/07/2022 06:29	T
2-Nitrophenol	0.048 U	mg/Kg	0.22	0.048	1	02/04/2022 15:45	02/07/2022 06:29	T
3,3`-Dichlorobenzidine	0.030 U	mg/Kg	0.22	0.030	1	02/04/2022 15:45	02/07/2022 06:29	T
4-Bromophenyl Phenyl Ether	0.056 U	mg/Kg	0.22	0.056	1	02/04/2022 15:45	02/07/2022 06:29	T
4-Chloro-3-methylphenol	0.046 U	mg/Kg	0.22	0.046	1	02/04/2022 15:45	02/07/2022 06:29	T
4-Chlorophenyl Phenyl Ether	0.048 U	mg/Kg	0.22	0.048	1	02/04/2022 15:45	02/07/2022 06:29	T
4-Nitrophenol	0.061 U	mg/Kg	0.22	0.061	1	02/04/2022 15:45	02/07/2022 06:29	T
Acenaphthene	0.0050 U	mg/Kg	0.22	0.0050	1	02/04/2022 15:45	02/07/2022 06:29	T
Acenaphthylene	**0.18 I**	mg/Kg	0.22	0.0056	1	02/04/2022 15:45	02/07/2022 06:29	T
Anthracene	**0.11 I**	mg/Kg	0.22	0.0055	1	02/04/2022 15:45	02/07/2022 06:29	T
Benzidine	0.043 U	mg/Kg	0.22	0.043	1	02/04/2022 15:45	02/07/2022 06:29	T
Benzo[a]anthracene	0.0050 U	mg/Kg	0.22	0.0050	1	02/04/2022 15:45	02/07/2022 06:29	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342012 **Date Collected:** 02/02/2022 12:45 **Matrix:** Soil
Sample ID: SB-12 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[a]pyrene	**0.56**	mg/Kg	0.22	0.0047	1	02/04/2022 15:45	02/07/2022 06:29	T
Benzo[b]fluoranthene	**0.96**	mg/Kg	0.22	0.0069	1	02/04/2022 15:45	02/07/2022 06:29	T
Benzo[g,h,i]perylene	**0.49**	mg/Kg	0.22	0.0041	1	02/04/2022 15:45	02/07/2022 06:29	T
Benzo[k]fluoranthene	0.0073 U	mg/Kg	0.22	0.0073	1	02/04/2022 15:45	02/07/2022 06:29	T
Butyl benzyl phthalate	0.030 U	mg/Kg	0.22	0.030	1	02/04/2022 15:45	02/07/2022 06:29	T
Chrysene	**0.39**	mg/Kg	0.22	0.0055	1	02/04/2022 15:45	02/07/2022 06:29	T
Di-n-Butyl Phthalate	0.045 U	mg/Kg	0.22	0.045	1	02/04/2022 15:45	02/07/2022 06:29	T
Di-n-octyl Phthalate	0.029 U	mg/Kg	0.22	0.029	1	02/04/2022 15:45	02/07/2022 06:29	T
Dibenzo[a,h]anthracene	**0.14 I**	mg/Kg	0.22	0.0042	1	02/04/2022 15:45	02/07/2022 06:29	T
Diethyl phthalate	0.042 U	mg/Kg	0.22	0.042	1	02/04/2022 15:45	02/07/2022 06:29	T
Dimethyl phthalate	0.041 U	mg/Kg	0.22	0.041	1	02/04/2022 15:45	02/07/2022 06:29	T
Fluoranthene	**0.18 I**	mg/Kg	0.22	0.053	1	02/04/2022 15:45	02/07/2022 06:29	T
Fluorene	**0.0096 I**	mg/Kg	0.22	0.0048	1	02/04/2022 15:45	02/07/2022 06:29	T
Hexachlorobenzene	0.064 U	mg/Kg	0.22	0.064	1	02/04/2022 15:45	02/07/2022 06:29	T
Hexachlorobutadiene	0.036 U	mg/Kg	0.22	0.036	1	02/04/2022 15:45	02/07/2022 06:29	T
Hexachlorocyclopentadiene	0.036 U	mg/Kg	0.22	0.036	1	02/04/2022 15:45	02/07/2022 06:29	T
Hexachloroethane	0.030 U	mg/Kg	0.22	0.030	1	02/04/2022 15:45	02/07/2022 06:29	T
Indeno(1,2,3-cd)pyrene	**0.50**	mg/Kg	0.22	0.0043	1	02/04/2022 15:45	02/07/2022 06:29	T
Isophorone	0.024 U	mg/Kg	0.22	0.024	1	02/04/2022 15:45	02/07/2022 06:29	T
N-Nitrosodi-n-propylamine	0.039 U	mg/Kg	0.22	0.039	1	02/04/2022 15:45	02/07/2022 06:29	T
N-Nitrosodimethylamine	0.0098 U	mg/Kg	0.22	0.0098	1	02/04/2022 15:45	02/07/2022 06:29	T
N-Nitrosodiphenylamine	0.029 U	mg/Kg	0.22	0.029	1	02/04/2022 15:45	02/07/2022 06:29	T
Naphthalene	0.0052 U	mg/Kg	0.22	0.0052	1	02/04/2022 15:45	02/07/2022 06:29	T
Nitrobenzene	0.052 U	mg/Kg	0.22	0.052	1	02/04/2022 15:45	02/07/2022 06:29	T
Pentachlorophenol	0.073 U	mg/Kg	0.22	0.073	1	02/04/2022 15:45	02/07/2022 06:29	T
Phenanthrene	**0.021 I**	mg/Kg	0.22	0.0062	1	02/04/2022 15:45	02/07/2022 06:29	T
Phenol	0.043 U	mg/Kg	0.22	0.043	1	02/04/2022 15:45	02/07/2022 06:29	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342012 **Date Collected:** 02/02/2022 12:45 **Matrix:** Soil
Sample ID: SB-12 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	**0.33**	mg/Kg	0.22	0.0047	1	02/04/2022 15:45	02/07/2022 06:29	T
bis(2-Chloroethoxy)methane	0.032 U	mg/Kg	0.22	0.032	1	02/04/2022 15:45	02/07/2022 06:29	T
bis(2-Chloroethyl)Ether	0.045 U	mg/Kg	0.22	0.045	1	02/04/2022 15:45	02/07/2022 06:29	T
bis(2-Chloroisopropyl) Ether	0.040 U	mg/Kg	0.22	0.040	1	02/04/2022 15:45	02/07/2022 06:29	T
bis(2-Ethylhexyl) phthalate	0.034 U	mg/Kg	0.22	0.034	1	02/04/2022 15:45	02/07/2022 06:29	T
(SM 2540G)								
Percent Moisture	**8**	%	0.001	0.0010	1	02/03/2022 11:40	02/03/2022 11:40	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1-Trichloroethane	0.00062 U	mg/Kg	0.0027	0.00062	1	02/07/2022 16:36	02/07/2022 20:47	T
1,1,2,2-Tetrachloroethane	0.00045 U	mg/Kg	0.0027	0.00045	1	02/07/2022 16:36	02/07/2022 20:47	T
1,1,2-Trichloroethane	0.00043 U	mg/Kg	0.0027	0.00043	1	02/07/2022 16:36	02/07/2022 20:47	T
1,1-Dichloroethane	0.00062 U	mg/Kg	0.0027	0.00062	1	02/07/2022 16:36	02/07/2022 20:47	T
1,1-Dichloroethylene	0.00065 U	mg/Kg	0.0027	0.00065	1	02/07/2022 16:36	02/07/2022 20:47	T
1,2-Dichlorobenzene	0.00042 U	mg/Kg	0.0027	0.00042	1	02/07/2022 16:36	02/07/2022 20:47	T
1,2-Dichloroethane	0.00070 U	mg/Kg	0.0027	0.00070	1	02/07/2022 16:36	02/07/2022 20:47	T
1,2-Dichloropropane	0.00048 U	mg/Kg	0.0027	0.00048	1	02/07/2022 16:36	02/07/2022 20:47	T
1,3-Dichlorobenzene	0.00049 U	mg/Kg	0.0027	0.00049	1	02/07/2022 16:36	02/07/2022 20:47	T
1,4-Dichlorobenzene	0.00059 U	mg/Kg	0.0027	0.00059	1	02/07/2022 16:36	02/07/2022 20:47	T
2-Chloroethyl Vinyl Ether	0.0023 U	mg/Kg	0.0027	0.0023	1	02/07/2022 16:36	02/07/2022 20:47	T
Acrolein (Propenal)	0.0055 U	mg/Kg	0.013	0.0055	1	02/07/2022 16:36	02/07/2022 20:47	T
Acrylonitrile	0.00046 U	mg/Kg	0.0027	0.00046	1	02/07/2022 16:36	02/07/2022 20:47	T
Benzene	0.00044 U	mg/Kg	0.0027	0.00044	1	02/07/2022 16:36	02/07/2022 20:47	T
Bromodichloromethane	0.00047 U	mg/Kg	0.0027	0.00047	1	02/07/2022 16:36	02/07/2022 20:47	T
Bromoform	0.0018 U	mg/Kg	0.0027	0.0018	1	02/07/2022 16:36	02/07/2022 20:47	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342012 **Date Collected:** 02/02/2022 12:45 **Matrix:** Soil
Sample ID: SB-12 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Bromomethane	0.0011 U	mg/Kg	0.0027	0.0011	1	02/07/2022 16:36	02/07/2022 20:47	T
Carbon Tetrachloride	0.00075 U	mg/Kg	0.0027	0.00075	1	02/07/2022 16:36	02/07/2022 20:47	T
Chlorobenzene	0.00040 U	mg/Kg	0.0027	0.00040	1	02/07/2022 16:36	02/07/2022 20:47	T
Chloroethane	0.0013 U	mg/Kg	0.0027	0.0013	1	02/07/2022 16:36	02/07/2022 20:47	T
Chloroform	0.00054 U	mg/Kg	0.0027	0.00054	1	02/07/2022 16:36	02/07/2022 20:47	T
Chloromethane	0.00061 U	mg/Kg	0.0027	0.00061	1	02/07/2022 16:36	02/07/2022 20:47	T
Dibromochloromethane	0.0015 U	mg/Kg	0.0027	0.0015	1	02/07/2022 16:36	02/07/2022 20:47	T
Dichlorodifluoromethane	0.00091 U	mg/Kg	0.0027	0.00091	1	02/07/2022 16:36	02/07/2022 20:47	T
Ethylbenzene	0.00032 U	mg/Kg	0.0027	0.00032	1	02/07/2022 16:36	02/07/2022 20:47	T
Methyl tert-butyl Ether (MTBE)	0.00088 U	mg/Kg	0.0027	0.00088	1	02/07/2022 16:36	02/07/2022 20:47	T
Methylene Chloride	0.0036 U	mg/Kg	0.0044	0.0036	1	02/07/2022 16:36	02/07/2022 20:47	T
Tetrachloroethylene (PCE)	0.00051 U	mg/Kg	0.0027	0.00051	1	02/07/2022 16:36	02/07/2022 20:47	T
Toluene	0.00033 U	mg/Kg	0.0027	0.00033	1	02/07/2022 16:36	02/07/2022 20:47	T
Trichloroethene	0.00065 U	mg/Kg	0.0027	0.00065	1	02/07/2022 16:36	02/07/2022 20:47	T
Trichlorofluoromethane	0.00059 U	mg/Kg	0.0027	0.00059	1	02/07/2022 16:36	02/07/2022 20:47	T
Vinyl Chloride	0.00051 U	mg/Kg	0.0027	0.00051	1	02/07/2022 16:36	02/07/2022 20:47	T
Xylene (Total)	0.0012 U	mg/Kg	0.0053	0.0012	1	02/07/2022 16:36	02/07/2022 20:47	T
cis-1,2-Dichloroethylene	0.00053 U	mg/Kg	0.0027	0.00053	1	02/07/2022 16:36	02/07/2022 20:47	T
cis-1,3-Dichloropropene	0.0019 U	mg/Kg	0.0027	0.0019	1	02/07/2022 16:36	02/07/2022 20:47	T
trans-1,2-Dichloroethylene	0.00054 U	mg/Kg	0.0027	0.00054	1	02/07/2022 16:36	02/07/2022 20:47	T
trans-1,3-Dichloropropylene	0.0016 U	mg/Kg	0.0027	0.0016	1	02/07/2022 16:36	02/07/2022 20:47	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Analysis Results Comments

Decachlorobiphenyl

J4|Estimated Result

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	41	40	97	69 - 134	T
Toluene-d8 (S)	ug/Kg	41	39	95	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	41	45	111	79 - 126	T
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.23	58	37 - 127	T
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.27	69	33 - 134	T
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.28	70	42 - 141	T
Nonatricontane-C39 (S)	mg/Kg	6	5.20	87	36 - 132	T
o-Terphenyl (S)	mg/Kg	2	1.50	75	66 - 136	T
Decachlorobiphenyl (S)	ug/Kg	77	43	**56**	63 - 130	M
Tetrachloro-m-xylene (S)	ug/Kg	150	130	83	42 - 129	M
2,4,6-Tribromophenol (S)	mg/Kg	2	2.20	109	39 - 132	T
Phenol-d6 (S)	mg/Kg	2	1.70	85	33 - 122	T
2-Fluorobiphenyl (S)	mg/Kg	2	1.70	84	44 - 115	T
2-Fluorophenol (S)	mg/Kg	2	1.70	86	35 - 115	T
Nitrobenzene-d5 (S)	mg/Kg	2	1.90	93	37 - 122	T
p-Terphenyl-d14 (S)	mg/Kg	2	2.10	103	54 - 127	T
Decachlorobiphenyl (S)	ug/Kg	77	43	**56**	61 - 147	M
Tetrachloro-m-xylene (S)	ug/Kg	150	130	83	44 - 130	M

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342013 **Date Collected:** 02/02/2022 12:55 **Matrix:** Soil
Sample ID: SB-13 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**2.2**	mg/Kg	0.27	0.14	1	02/08/2022 11:00	02/08/2022 19:52	T
Cadmium	**0.21**	mg/Kg	0.055	0.027	1	02/08/2022 11:00	02/08/2022 19:52	T
Chromium	**6.9**	mg/Kg	0.27	0.22	1	02/08/2022 11:00	02/08/2022 19:52	T
Lead	**40**	mg/Kg	0.27	0.14	1	02/08/2022 11:00	02/08/2022 19:52	T
SEMIVOLATILES (FL-PRO)								
TPH	**36**	mg/Kg	14	5.1	1	02/07/2022 16:15	02/08/2022 16:39	T
SEMIVOLATILES (SW-846 3550B/EPA 8081)								
4,4`-DDD	**0.0022**	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 14:28	M
4,4`-DDE	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 14:28	M
4,4`-DDT	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 14:28	M
Aldrin	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 14:28	M
Chlordane (technical)	0.0093 U	mg/Kg	0.031	0.0093	1	02/07/2022 07:30	02/07/2022 14:28	M
Dieldrin	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 14:28	M
Endosulfan I	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 14:28	M
Endosulfan II	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 14:28	M
Endosulfan Sulfate	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 14:28	M
Endrin	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 14:28	M
Endrin Aldehyde	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 14:28	M
Heptachlor	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 14:28	M
Heptachlor Epoxide	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 14:28	M
Methoxychlor	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 14:28	M
Toxaphene	0.010 U	mg/Kg	0.031	0.010	1	02/07/2022 07:30	02/07/2022 14:28	M
alpha-BHC	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 14:28	M
beta-BHC	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 14:28	M
delta-BHC	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 14:28	M
gamma-BHC (Lindane)	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 14:28	M
SEMIVOLATILES (SW-846 3550B/SW-846 8082A)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342013 **Date Collected:** 02/02/2022 12:55 **Matrix:** Soil
Sample ID: SB-13 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Aroclor 1016 (PCB-1016)	0.019 U	mg/Kg	0.031	0.019	1	02/08/2022 11:09	02/07/2022 14:28	M
Aroclor 1221 (PCB-1221)	0.022 U	mg/Kg	0.031	0.022	1	02/08/2022 11:09	02/07/2022 14:28	M
Aroclor 1232 (PCB-1232)	0.030 U	mg/Kg	0.031	0.030	1	02/08/2022 11:09	02/07/2022 14:28	M
Aroclor 1242 (PCB-1242)	0.023 U	mg/Kg	0.031	0.023	1	02/08/2022 11:09	02/07/2022 14:28	M
Aroclor 1248 (PCB-1248)	0.011 U	mg/Kg	0.031	0.011	1	02/08/2022 11:09	02/07/2022 14:28	M
Aroclor 1254 (PCB-1254)	0.0063 U	mg/Kg	0.031	0.0063	1	02/08/2022 11:09	02/07/2022 14:28	M
Aroclor 1260 (PCB-1260)	0.038 U	mg/Kg	0.063	0.038	1	02/08/2022 11:09	02/07/2022 14:28	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	**0.0086**	mg/Kg	0.0085	0.0016	1	02/07/2022 16:15	02/08/2022 19:22	T
2-Methylnaphthalene	**0.010**	mg/Kg	0.0085	0.0021	1	02/07/2022 16:15	02/08/2022 19:22	T
Acenaphthene	**0.0031 I**	mg/Kg	0.0085	0.0016	1	02/07/2022 16:15	02/08/2022 19:22	T
Acenaphthylene	**0.18**	mg/Kg	0.0085	0.0018	1	02/07/2022 16:15	02/08/2022 19:22	T
Anthracene	**0.12**	mg/Kg	0.0085	0.0026	1	02/07/2022 16:15	02/08/2022 19:22	T
Benzo[a]anthracene	**0.37**	mg/Kg	0.0085	0.0021	1	02/07/2022 16:15	02/08/2022 19:22	T
Benzo[a]pyrene	**0.59**	mg/Kg	0.0085	0.0017	1	02/07/2022 16:15	02/08/2022 19:22	T
Benzo[b]fluoranthene	**1.0**	mg/Kg	0.0085	0.0016	1	02/07/2022 16:15	02/08/2022 19:22	T
Benzo[g,h,i]perylene	**0.51**	mg/Kg	0.0085	0.0020	1	02/07/2022 16:15	02/08/2022 19:22	T
Benzo[k]fluoranthene	**0.35**	mg/Kg	0.0085	0.0024	1	02/07/2022 16:15	02/08/2022 19:22	T
Chrysene	**0.23**	mg/Kg	0.0085	0.0030	1	02/07/2022 16:15	02/08/2022 19:22	T
Dibenzo[a,h]anthracene	**0.14**	mg/Kg	0.0085	0.0017	1	02/07/2022 16:15	02/08/2022 19:22	T
Fluoranthene	**0.15**	mg/Kg	0.0085	0.0029	1	02/07/2022 16:15	02/08/2022 19:22	T
Fluorene	**0.0062 I**	mg/Kg	0.0085	0.0022	1	02/07/2022 16:15	02/08/2022 19:22	T
Indeno(1,2,3-cd)pyrene	**0.52**	mg/Kg	0.0085	0.0024	1	02/07/2022 16:15	02/08/2022 19:22	T
Naphthalene	**0.0064 I**	mg/Kg	0.0085	0.0017	1	02/07/2022 16:15	02/08/2022 19:22	T
Phenanthrene	**0.018**	mg/Kg	0.0085	0.0022	1	02/07/2022 16:15	02/08/2022 19:22	T
Pyrene	**0.31**	mg/Kg	0.0085	0.0024	1	02/07/2022 16:15	02/08/2022 19:22	T
SEMIVOLATILES (SW-846 3550B/SW-846 8270C)								

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342013 **Date Collected:** 02/02/2022 12:55 **Matrix:** Soil
Sample ID: SB-13 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,2,4-Trichlorobenzene	0.032 U	mg/Kg	0.21	0.032	1	02/04/2022 15:45	02/07/2022 05:52	T
1,2-Dichlorobenzene	0.043 U	mg/Kg	0.21	0.043	1	02/04/2022 15:45	02/07/2022 05:52	T
1,2-Diphenylhydrazine	0.082 U	mg/Kg	0.21	0.082	1	02/04/2022 15:45	02/07/2022 05:52	T
1,3-Dichlorobenzene	0.022 U	mg/Kg	0.21	0.022	1	02/04/2022 15:45	02/07/2022 05:52	T
1,4-Dichlorobenzene	0.048 U	mg/Kg	0.21	0.048	1	02/04/2022 15:45	02/07/2022 05:52	T
1-Methylnaphthalene	**0.0092 I**	mg/Kg	0.21	0.0041	1	02/04/2022 15:45	02/07/2022 05:52	T
2,4,6-Trichlorophenol	0.040 U	mg/Kg	0.21	0.040	1	02/04/2022 15:45	02/07/2022 05:52	T
2,4-Dichlorophenol	0.045 U	mg/Kg	0.21	0.045	1	02/04/2022 15:45	02/07/2022 05:52	T
2,4-Dimethylphenol	0.045 U	mg/Kg	0.21	0.045	1	02/04/2022 15:45	02/07/2022 05:52	T
2,4-Dinitrophenol	0.13 U	mg/Kg	0.21	0.13	1	02/04/2022 15:45	02/07/2022 05:52	T
2,4-Dinitrotoluene (2,4-DNT)	0.068 U	mg/Kg	0.21	0.068	1	02/04/2022 15:45	02/07/2022 05:52	T
2,6-Dinitrotoluene (2,6-DNT)	0.054 U	mg/Kg	0.21	0.054	1	02/04/2022 15:45	02/07/2022 05:52	T
2-Chloronaphthalene	0.041 U	mg/Kg	0.21	0.041	1	02/04/2022 15:45	02/08/2022 04:00	T
2-Chlorophenol	0.038 U	mg/Kg	0.21	0.038	1	02/04/2022 15:45	02/07/2022 05:52	T
2-Methyl-4,6-dinitrophenol	0.048 U	mg/Kg	0.21	0.048	1	02/04/2022 15:45	02/07/2022 05:52	T
2-Methylnaphthalene	**0.0093 I**	mg/Kg	0.21	0.0051	1	02/04/2022 15:45	02/07/2022 05:52	T
2-Nitrophenol	0.047 U	mg/Kg	0.21	0.047	1	02/04/2022 15:45	02/07/2022 05:52	T
3,3`-Dichlorobenzidine	0.029 U	mg/Kg	0.21	0.029	1	02/04/2022 15:45	02/07/2022 05:52	T
4-Bromophenyl Phenyl Ether	0.055 U	mg/Kg	0.21	0.055	1	02/04/2022 15:45	02/07/2022 05:52	T
4-Chloro-3-methylphenol	0.045 U	mg/Kg	0.21	0.045	1	02/04/2022 15:45	02/07/2022 05:52	T
4-Chlorophenyl Phenyl Ether	0.047 U	mg/Kg	0.21	0.047	1	02/04/2022 15:45	02/07/2022 05:52	T
4-Nitrophenol	0.060 U	mg/Kg	0.21	0.060	1	02/04/2022 15:45	02/07/2022 05:52	T
Acenaphthene	0.0049 U	mg/Kg	0.21	0.0049	1	02/04/2022 15:45	02/07/2022 05:52	T
Acenaphthylene	**0.18 I**	mg/Kg	0.21	0.0055	1	02/04/2022 15:45	02/07/2022 05:52	T
Anthracene	**0.095 I**	mg/Kg	0.21	0.0054	1	02/04/2022 15:45	02/07/2022 05:52	T
Benzidine	0.042 U	mg/Kg	0.21	0.042	1	02/04/2022 15:45	02/07/2022 05:52	T
Benzo[a]anthracene	0.0049 U	mg/Kg	0.21	0.0049	1	02/04/2022 15:45	02/07/2022 05:52	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342013 **Date Collected:** 02/02/2022 12:55 **Matrix:** Soil
Sample ID: SB-13 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[a]pyrene	**0.56**	mg/Kg	0.21	0.0046	1	02/04/2022 15:45	02/07/2022 05:52	T
Benzo[b]fluoranthene	**1.0**	mg/Kg	0.21	0.0068	1	02/04/2022 15:45	02/07/2022 05:52	T
Benzo[g,h,i]perylene	**0.50**	mg/Kg	0.21	0.0040	1	02/04/2022 15:45	02/07/2022 05:52	T
Benzo[k]fluoranthene	0.0071 U	mg/Kg	0.21	0.0071	1	02/04/2022 15:45	02/07/2022 05:52	T
Butyl benzyl phthalate	0.030 U	mg/Kg	0.21	0.030	1	02/04/2022 15:45	02/07/2022 05:52	T
Chrysene	**0.41**	mg/Kg	0.21	0.0054	1	02/04/2022 15:45	02/07/2022 05:52	T
Di-n-Butyl Phthalate	0.044 U	mg/Kg	0.21	0.044	1	02/04/2022 15:45	02/07/2022 05:52	T
Di-n-octyl Phthalate	0.028 U	mg/Kg	0.21	0.028	1	02/04/2022 15:45	02/07/2022 05:52	T
Dibenzo[a,h]anthracene	**0.14 I**	mg/Kg	0.21	0.0041	1	02/04/2022 15:45	02/07/2022 05:52	T
Diethyl phthalate	0.041 U	mg/Kg	0.21	0.041	1	02/04/2022 15:45	02/07/2022 05:52	T
Dimethyl phthalate	0.040 U	mg/Kg	0.21	0.040	1	02/04/2022 15:45	02/07/2022 05:52	T
Fluoranthene	**0.18 I**	mg/Kg	0.21	0.052	1	02/04/2022 15:45	02/07/2022 05:52	T
Fluorene	**0.0080 I**	mg/Kg	0.21	0.0047	1	02/04/2022 15:45	02/07/2022 05:52	T
Hexachlorobenzene	0.063 U	mg/Kg	0.21	0.063	1	02/04/2022 15:45	02/07/2022 05:52	T
Hexachlorobutadiene	0.035 U	mg/Kg	0.21	0.035	1	02/04/2022 15:45	02/07/2022 05:52	T
Hexachlorocyclopentadiene	0.036 U	mg/Kg	0.21	0.036	1	02/04/2022 15:45	02/07/2022 05:52	T
Hexachloroethane	0.030 U	mg/Kg	0.21	0.030	1	02/04/2022 15:45	02/07/2022 05:52	T
Indeno(1,2,3-cd)pyrene	**0.52**	mg/Kg	0.21	0.0042	1	02/04/2022 15:45	02/07/2022 05:52	T
Isophorone	0.024 U	mg/Kg	0.21	0.024	1	02/04/2022 15:45	02/07/2022 05:52	T
N-Nitrosodi-n-propylamine	0.038 U	mg/Kg	0.21	0.038	1	02/04/2022 15:45	02/07/2022 05:52	T
N-Nitrosodimethylamine	0.0096 U	mg/Kg	0.21	0.0096	1	02/04/2022 15:45	02/07/2022 05:52	T
N-Nitrosodiphenylamine	0.028 U	mg/Kg	0.21	0.028	1	02/04/2022 15:45	02/07/2022 05:52	T
Naphthalene	**0.0070 I**	mg/Kg	0.21	0.0051	1	02/04/2022 15:45	02/07/2022 05:52	T
Nitrobenzene	0.051 U	mg/Kg	0.21	0.051	1	02/04/2022 15:45	02/07/2022 05:52	T
Pentachlorophenol	0.071 U	mg/Kg	0.21	0.071	1	02/04/2022 15:45	02/07/2022 05:52	T
Phenanthrene	**0.024 I**	mg/Kg	0.21	0.0061	1	02/04/2022 15:45	02/07/2022 05:52	T
Phenol	0.042 U	mg/Kg	0.21	0.042	1	02/04/2022 15:45	02/07/2022 05:52	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342013 **Date Collected:** 02/02/2022 12:55 **Matrix:** Soil
Sample ID: SB-13 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	**0.28**	mg/Kg	0.21	0.0046	1	02/04/2022 15:45	02/07/2022 05:52	T
bis(2-Chloroethoxy)methane	0.031 U	mg/Kg	0.21	0.031	1	02/04/2022 15:45	02/07/2022 05:52	T
bis(2-Chloroethyl)Ether	0.044 U	mg/Kg	0.21	0.044	1	02/04/2022 15:45	02/07/2022 05:52	T
bis(2-Chloroisopropyl) Ether	0.039 U	mg/Kg	0.21	0.039	1	02/04/2022 15:45	02/07/2022 05:52	T
bis(2-Ethylhexyl) phthalate	0.034 U	mg/Kg	0.21	0.034	1	02/04/2022 15:45	02/07/2022 05:52	T
(SM 2540G)								
Percent Moisture	**7**	%	0.001	0.0010	1	02/03/2022 11:40	02/03/2022 11:40	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1-Trichloroethane	0.00064 U	mg/Kg	0.0027	0.00064	1	02/07/2022 16:36	02/07/2022 21:14	T
1,1,2,2-Tetrachloroethane	0.00047 U	mg/Kg	0.0027	0.00047	1	02/07/2022 16:36	02/07/2022 21:14	T
1,1,2-Trichloroethane	0.00044 U	mg/Kg	0.0027	0.00044	1	02/07/2022 16:36	02/07/2022 21:14	T
1,1-Dichloroethane	0.00064 U	mg/Kg	0.0027	0.00064	1	02/07/2022 16:36	02/07/2022 21:14	T
1,1-Dichloroethylene	0.00067 U	mg/Kg	0.0027	0.00067	1	02/07/2022 16:36	02/07/2022 21:14	T
1,2-Dichlorobenzene	0.00043 U	mg/Kg	0.0027	0.00043	1	02/07/2022 16:36	02/07/2022 21:14	T
1,2-Dichloroethane	0.00071 U	mg/Kg	0.0027	0.00071	1	02/07/2022 16:36	02/07/2022 21:14	T
1,2-Dichloropropane	0.00049 U	mg/Kg	0.0027	0.00049	1	02/07/2022 16:36	02/07/2022 21:14	T
1,3-Dichlorobenzene	0.00050 U	mg/Kg	0.0027	0.00050	1	02/07/2022 16:36	02/07/2022 21:14	T
1,4-Dichlorobenzene	0.00060 U	mg/Kg	0.0027	0.00060	1	02/07/2022 16:36	02/07/2022 21:14	T
2-Chloroethyl Vinyl Ether	0.0024 U	mg/Kg	0.0027	0.0024	1	02/07/2022 16:36	02/07/2022 21:14	T
Acrolein (Propenal)	0.0057 U	mg/Kg	0.014	0.0057	1	02/07/2022 16:36	02/07/2022 21:14	T
Acrylonitrile	0.00048 U	mg/Kg	0.0027	0.00048	1	02/07/2022 16:36	02/07/2022 21:14	T
Benzene	0.00045 U	mg/Kg	0.0027	0.00045	1	02/07/2022 16:36	02/07/2022 21:14	T
Bromodichloromethane	0.00048 U	mg/Kg	0.0027	0.00048	1	02/07/2022 16:36	02/07/2022 21:14	T
Bromoform	0.0018 U	mg/Kg	0.0027	0.0018	1	02/07/2022 16:36	02/07/2022 21:14	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342013 **Date Collected:** 02/02/2022 12:55 **Matrix:** Soil
Sample ID: SB-13 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Bromomethane	0.0011 U	mg/Kg	0.0027	0.0011	1	02/07/2022 16:36	02/07/2022 21:14	T
Carbon Tetrachloride	0.00077 U	mg/Kg	0.0027	0.00077	1	02/07/2022 16:36	02/07/2022 21:14	T
Chlorobenzene	0.00041 U	mg/Kg	0.0027	0.00041	1	02/07/2022 16:36	02/07/2022 21:14	T
Chloroethane	0.0014 U	mg/Kg	0.0027	0.0014	1	02/07/2022 16:36	02/07/2022 21:14	T
Chloroform	0.00056 U	mg/Kg	0.0027	0.00056	1	02/07/2022 16:36	02/07/2022 21:14	T
Chloromethane	0.00063 U	mg/Kg	0.0027	0.00063	1	02/07/2022 16:36	02/07/2022 21:14	T
Dibromochloromethane	0.0016 U	mg/Kg	0.0027	0.0016	1	02/07/2022 16:36	02/07/2022 21:14	T
Dichlorodifluoromethane	0.00093 U	mg/Kg	0.0027	0.00093	1	02/07/2022 16:36	02/07/2022 21:14	T
Ethylbenzene	0.00032 U	mg/Kg	0.0027	0.00032	1	02/07/2022 16:36	02/07/2022 21:14	T
Methyl tert-butyl Ether (MTBE)	0.00090 U	mg/Kg	0.0027	0.00090	1	02/07/2022 16:36	02/07/2022 21:14	T
Methylene Chloride	0.0037 U	mg/Kg	0.0046	0.0037	1	02/07/2022 16:36	02/07/2022 21:14	T
Tetrachloroethylene (PCE)	0.00052 U	mg/Kg	0.0027	0.00052	1	02/07/2022 16:36	02/07/2022 21:14	T
Toluene	0.00034 U	mg/Kg	0.0027	0.00034	1	02/07/2022 16:36	02/07/2022 21:14	T
Trichloroethene	0.00067 U	mg/Kg	0.0027	0.00067	1	02/07/2022 16:36	02/07/2022 21:14	T
Trichlorofluoromethane	0.00060 U	mg/Kg	0.0027	0.00060	1	02/07/2022 16:36	02/07/2022 21:14	T
Vinyl Chloride	0.00053 U	mg/Kg	0.0027	0.00053	1	02/07/2022 16:36	02/07/2022 21:14	T
Xylene (Total)	0.0012 U	mg/Kg	0.0055	0.0012	1	02/07/2022 16:36	02/07/2022 21:14	T
cis-1,2-Dichloroethylene	0.00054 U	mg/Kg	0.0027	0.00054	1	02/07/2022 16:36	02/07/2022 21:14	T
cis-1,3-Dichloropropene	0.0019 U	mg/Kg	0.0027	0.0019	1	02/07/2022 16:36	02/07/2022 21:14	T
trans-1,2-Dichloroethylene	0.00055 U	mg/Kg	0.0027	0.00055	1	02/07/2022 16:36	02/07/2022 21:14	T
trans-1,3-Dichloropropylene	0.0017 U	mg/Kg	0.0027	0.0017	1	02/07/2022 16:36	02/07/2022 21:14	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Analysis Results Comments

Decachlorobiphenyl

J4|Estimated Result

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	43	39	92	69 - 134	T
Toluene-d8 (S)	ug/Kg	43	41	96	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	43	46	109	79 - 126	T
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.30	76	37 - 127	T
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.38	96	33 - 134	T
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.39	98	42 - 141	T
Nonatricontane-C39 (S)	mg/Kg	6	5.70	96	36 - 132	T
o-Terphenyl (S)	mg/Kg	2	1.60	81	66 - 136	T
Decachlorobiphenyl (S)	ug/Kg	73	32	**44**	63 - 130	M
Tetrachloro-m-xylene (S)	ug/Kg	150	100	71	42 - 129	M
2,4,6-Tribromophenol (S)	mg/Kg	2	2	103	39 - 132	T
Phenol-d6 (S)	mg/Kg	2	1.60	78	33 - 122	T
2-Fluorobiphenyl (S)	mg/Kg	2	1.60	78	44 - 115	T
2-Fluorophenol (S)	mg/Kg	2	1.50	74	35 - 115	T
Nitrobenzene-d5 (S)	mg/Kg	2	1.70	84	37 - 122	T
p-Terphenyl-d14 (S)	mg/Kg	2	1.90	95	54 - 127	T
Decachlorobiphenyl (S)	ug/Kg	73	32	**44**	61 - 147	M
Tetrachloro-m-xylene (S)	ug/Kg	150	100	71	44 - 130	M

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342014 **Date Collected:** 02/02/2022 13:15 **Matrix:** Soil
Sample ID: SB-14 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**2.0**	mg/Kg	0.28	0.14	1	02/08/2022 11:00	02/08/2022 19:55	T
Cadmium	**0.032 I**	mg/Kg	0.056	0.028	1	02/08/2022 11:00	02/08/2022 19:55	T
Chromium	**6.0**	mg/Kg	0.28	0.22	1	02/08/2022 11:00	02/08/2022 19:55	T
Lead	**6.1**	mg/Kg	0.28	0.14	1	02/08/2022 11:00	02/08/2022 19:55	T
SEMIVOLATILES (FL-PRO)								
TPH	5.2 U	mg/Kg	15	5.2	1	02/07/2022 16:15	02/08/2022 12:53	T
SEMIVOLATILES (SW-846 3550B/EPA 8081)								
4,4`-DDD	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
4,4`-DDE	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
4,4`-DDT	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Aldrin	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Chlordane (technical)	0.0096 U	mg/Kg	0.032	0.0096	1	02/04/2022 09:30	02/04/2022 00:00	M
Dieldrin	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Endosulfan I	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Endosulfan II	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Endosulfan Sulfate	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Endrin	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Endrin Aldehyde	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Heptachlor	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Heptachlor Epoxide	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Methoxychlor	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
Toxaphene	0.010 U	mg/Kg	0.032	0.010	1	02/04/2022 09:30	02/04/2022 00:00	M
alpha-BHC	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
beta-BHC	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
delta-BHC	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
gamma-BHC (Lindane)	0.0010 U	mg/Kg	0.0016	0.0010	1	02/04/2022 09:30	02/04/2022 00:00	M
SEMIVOLATILES (SW-846 3550B/SW-846 8082A)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342014 **Date Collected:** 02/02/2022 13:15 **Matrix:** Soil
Sample ID: SB-14 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Aroclor 1016 (PCB-1016)	0.019 U	mg/Kg	0.032	0.019	1	02/04/2022 12:35	02/04/2022 22:24	M
Aroclor 1221 (PCB-1221)	0.023 U	mg/Kg	0.032	0.023	1	02/04/2022 12:35	02/04/2022 22:24	M
Aroclor 1232 (PCB-1232)	0.031 U	mg/Kg	0.032	0.031	1	02/04/2022 12:35	02/04/2022 22:24	M
Aroclor 1242 (PCB-1242)	0.024 U	mg/Kg	0.032	0.024	1	02/04/2022 12:35	02/04/2022 22:24	M
Aroclor 1248 (PCB-1248)	0.012 U	mg/Kg	0.032	0.012	1	02/04/2022 12:35	02/04/2022 22:24	M
Aroclor 1254 (PCB-1254)	0.0064 U	mg/Kg	0.032	0.0064	1	02/04/2022 12:35	02/04/2022 22:24	M
Aroclor 1260 (PCB-1260)	0.039 U	mg/Kg	0.064	0.039	1	02/04/2022 12:35	02/04/2022 22:24	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	0.0016 U	mg/Kg	0.0086	0.0016	1	02/07/2022 16:15	02/08/2022 15:04	T
2-Methylnaphthalene	0.0021 U	mg/Kg	0.0086	0.0021	1	02/07/2022 16:15	02/08/2022 15:04	T
Acenaphthene	0.0016 U	mg/Kg	0.0086	0.0016	1	02/07/2022 16:15	02/08/2022 15:04	T
Acenaphthylene	**0.0048 I**	mg/Kg	0.0086	0.0019	1	02/07/2022 16:15	02/08/2022 15:04	T
Anthracene	0.0026 U	mg/Kg	0.0086	0.0026	1	02/07/2022 16:15	02/08/2022 15:04	T
Benzo[a]anthracene	**0.0063 I**	mg/Kg	0.0086	0.0021	1	02/07/2022 16:15	02/08/2022 15:04	T
Benzo[a]pyrene	**0.012**	mg/Kg	0.0086	0.0017	1	02/07/2022 16:15	02/08/2022 15:04	T
Benzo[b]fluoranthene	**0.024**	mg/Kg	0.0086	0.0016	1	02/07/2022 16:15	02/08/2022 15:04	T
Benzo[g,h,i]perylene	**0.017**	mg/Kg	0.0086	0.0020	1	02/07/2022 16:15	02/08/2022 15:04	T
Benzo[k]fluoranthene	**0.0089**	mg/Kg	0.0086	0.0024	1	02/07/2022 16:15	02/08/2022 15:04	T
Chrysene	**0.0076 I**	mg/Kg	0.0086	0.0031	1	02/07/2022 16:15	02/08/2022 15:04	T
Dibenzo[a,h]anthracene	**0.0040 I**	mg/Kg	0.0086	0.0017	1	02/07/2022 16:15	02/08/2022 15:04	T
Fluoranthene	**0.0065 I**	mg/Kg	0.0086	0.0029	1	02/07/2022 16:15	02/08/2022 15:04	T
Fluorene	0.0022 U	mg/Kg	0.0086	0.0022	1	02/07/2022 16:15	02/08/2022 15:04	T
Indeno(1,2,3-cd)pyrene	**0.015**	mg/Kg	0.0086	0.0025	1	02/07/2022 16:15	02/08/2022 15:04	T
Naphthalene	0.0018 U	mg/Kg	0.0086	0.0018	1	02/07/2022 16:15	02/08/2022 15:04	T
Phenanthrene	**0.0023 I**	mg/Kg	0.0086	0.0022	1	02/07/2022 16:15	02/08/2022 15:04	T
Pyrene	**0.010**	mg/Kg	0.0086	0.0024	1	02/07/2022 16:15	02/08/2022 15:04	T
SEMIVOLATILES (SW-846 3550B/SW-846 8270C)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342014 **Date Collected:** 02/02/2022 13:15 **Matrix:** Soil
Sample ID: SB-14 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,2,4-Trichlorobenzene	0.032 U	mg/Kg	0.22	0.032	1	02/04/2022 15:45	02/07/2022 00:39	T
1,2-Dichlorobenzene	0.044 U	mg/Kg	0.22	0.044	1	02/04/2022 15:45	02/07/2022 00:39	T
1,2-Diphenylhydrazine	0.083 U	mg/Kg	0.22	0.083	1	02/04/2022 15:45	02/07/2022 00:39	T
1,3-Dichlorobenzene	0.023 U	mg/Kg	0.22	0.023	1	02/04/2022 15:45	02/07/2022 00:39	T
1,4-Dichlorobenzene	0.048 U	mg/Kg	0.22	0.048	1	02/04/2022 15:45	02/07/2022 00:39	T
1-Methylnaphthalene	0.0042 U	mg/Kg	0.22	0.0042	1	02/04/2022 15:45	02/07/2022 00:39	T
2,4,6-Trichlorophenol	0.040 U	mg/Kg	0.22	0.040	1	02/04/2022 15:45	02/07/2022 00:39	T
2,4-Dichlorophenol	0.046 U	mg/Kg	0.22	0.046	1	02/04/2022 15:45	02/07/2022 00:39	T
2,4-Dimethylphenol	0.046 U	mg/Kg	0.22	0.046	1	02/04/2022 15:45	02/07/2022 00:39	T
2,4-Dinitrophenol	0.13 U	mg/Kg	0.22	0.13	1	02/04/2022 15:45	02/07/2022 00:39	T
2,4-Dinitrotoluene (2,4-DNT)	0.068 U	mg/Kg	0.22	0.068	1	02/04/2022 15:45	02/07/2022 00:39	T
2,6-Dinitrotoluene (2,6-DNT)	0.054 U	mg/Kg	0.22	0.054	1	02/04/2022 15:45	02/07/2022 00:39	T
2-Chloronaphthalene	0.042 U	mg/Kg	0.22	0.042	1	02/04/2022 15:45	02/07/2022 00:39	T
2-Chlorophenol	0.038 U	mg/Kg	0.22	0.038	1	02/04/2022 15:45	02/07/2022 00:39	T
2-Methyl-4,6-dinitrophenol	0.048 U	mg/Kg	0.22	0.048	1	02/04/2022 15:45	02/07/2022 00:39	T
2-Methylnaphthalene	0.0051 U	mg/Kg	0.22	0.0051	1	02/04/2022 15:45	02/07/2022 00:39	T
2-Nitrophenol	0.048 U	mg/Kg	0.22	0.048	1	02/04/2022 15:45	02/07/2022 00:39	T
3,3`-Dichlorobenzidine	0.029 U	mg/Kg	0.22	0.029	1	02/04/2022 15:45	02/07/2022 00:39	T
4-Bromophenyl Phenyl Ether	0.055 U	mg/Kg	0.22	0.055	1	02/04/2022 15:45	02/07/2022 00:39	T
4-Chloro-3-methylphenol	0.046 U	mg/Kg	0.22	0.046	1	02/04/2022 15:45	02/07/2022 00:39	T
4-Chlorophenyl Phenyl Ether	0.047 U	mg/Kg	0.22	0.047	1	02/04/2022 15:45	02/07/2022 00:39	T
4-Nitrophenol	0.061 U	mg/Kg	0.22	0.061	1	02/04/2022 15:45	02/07/2022 00:39	T
Acenaphthene	0.0049 U	mg/Kg	0.22	0.0049	1	02/04/2022 15:45	02/07/2022 00:39	T
Acenaphthylene	**0.0071 I**	mg/Kg	0.22	0.0055	1	02/04/2022 15:45	02/07/2022 00:39	T
Anthracene	0.0054 U	mg/Kg	0.22	0.0054	1	02/04/2022 15:45	02/07/2022 00:39	T
Benzidine	0.043 U	mg/Kg	0.22	0.043	1	02/04/2022 15:45	02/07/2022 00:39	T
Benzo[a]anthracene	0.0049 U	mg/Kg	0.22	0.0049	1	02/04/2022 15:45	02/07/2022 00:39	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342014 **Date Collected:** 02/02/2022 13:15 **Matrix:** Soil
Sample ID: SB-14 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[a]pyrene	**0.023 I**	mg/Kg	0.22	0.0046	1	02/04/2022 15:45	02/07/2022 00:39	T
Benzo[b]fluoranthene	**0.044 I**	mg/Kg	0.22	0.0069	1	02/04/2022 15:45	02/07/2022 00:39	T
Benzo[g,h,i]perylene	**0.025 I**	mg/Kg	0.22	0.0040	1	02/04/2022 15:45	02/07/2022 00:39	T
Benzo[k]fluoranthene	0.0072 U	mg/Kg	0.22	0.0072	1	02/04/2022 15:45	02/07/2022 00:39	T
Butyl benzyl phthalate	0.030 U	mg/Kg	0.22	0.030	1	02/04/2022 15:45	02/07/2022 00:39	T
Chrysene	**0.018 I**	mg/Kg	0.22	0.0055	1	02/04/2022 15:45	02/07/2022 00:39	T
Di-n-Butyl Phthalate	0.045 U	mg/Kg	0.22	0.045	1	02/04/2022 15:45	02/07/2022 00:39	T
Di-n-octyl Phthalate	0.028 U	mg/Kg	0.22	0.028	1	02/04/2022 15:45	02/07/2022 00:39	T
Dibenzo[a,h]anthracene	**0.0067 I**	mg/Kg	0.22	0.0041	1	02/04/2022 15:45	02/07/2022 00:39	T
Diethyl phthalate	0.042 U	mg/Kg	0.22	0.042	1	02/04/2022 15:45	02/07/2022 00:39	T
Dimethyl phthalate	0.040 U	mg/Kg	0.22	0.040	1	02/04/2022 15:45	02/07/2022 00:39	T
Fluoranthene	0.052 U	mg/Kg	0.22	0.052	1	02/04/2022 15:45	02/07/2022 00:39	T
Fluorene	0.0048 U	mg/Kg	0.22	0.0048	1	02/04/2022 15:45	02/07/2022 00:39	T
Hexachlorobenzene	0.063 U	mg/Kg	0.22	0.063	1	02/04/2022 15:45	02/07/2022 00:39	T
Hexachlorobutadiene	0.035 U	mg/Kg	0.22	0.035	1	02/04/2022 15:45	02/07/2022 00:39	T
Hexachlorocyclopentadiene	0.036 U	mg/Kg	0.22	0.036	1	02/04/2022 15:45	02/07/2022 00:39	T
Hexachloroethane	0.030 U	mg/Kg	0.22	0.030	1	02/04/2022 15:45	02/07/2022 00:39	T
Indeno(1,2,3-cd)pyrene	**0.024 I**	mg/Kg	0.22	0.0043	1	02/04/2022 15:45	02/07/2022 00:39	T
Isophorone	0.024 U	mg/Kg	0.22	0.024	1	02/04/2022 15:45	02/07/2022 00:39	T
N-Nitrosodi-n-propylamine	0.038 U	mg/Kg	0.22	0.038	1	02/04/2022 15:45	02/07/2022 00:39	T
N-Nitrosodimethylamine	0.0097 U	mg/Kg	0.22	0.0097	1	02/04/2022 15:45	02/07/2022 00:39	T
N-Nitrosodiphenylamine	0.028 U	mg/Kg	0.22	0.028	1	02/04/2022 15:45	02/07/2022 00:39	T
Naphthalene	0.0052 U	mg/Kg	0.22	0.0052	1	02/04/2022 15:45	02/07/2022 00:39	T
Nitrobenzene	0.052 U	mg/Kg	0.22	0.052	1	02/04/2022 15:45	02/07/2022 00:39	T
Pentachlorophenol	0.072 U	mg/Kg	0.22	0.072	1	02/04/2022 15:45	02/07/2022 00:39	T
Phenanthrene	0.0061 U	mg/Kg	0.22	0.0061	1	02/04/2022 15:45	02/07/2022 00:39	T
Phenol	0.042 U	mg/Kg	0.22	0.042	1	02/04/2022 15:45	02/07/2022 00:39	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342014 **Date Collected:** 02/02/2022 13:15 **Matrix:** Soil
Sample ID: SB-14 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	**0.014 I**	mg/Kg	0.22	0.0047	1	02/04/2022 15:45	02/07/2022 00:39	T
bis(2-Chloroethoxy)methane	0.032 U	mg/Kg	0.22	0.032	1	02/04/2022 15:45	02/07/2022 00:39	T
bis(2-Chloroethyl)Ether	0.044 U	mg/Kg	0.22	0.044	1	02/04/2022 15:45	02/07/2022 00:39	T
bis(2-Chloroisopropyl) Ether	0.039 U	mg/Kg	0.22	0.039	1	02/04/2022 15:45	02/07/2022 00:39	T
bis(2-Ethylhexyl) phthalate	0.034 U	mg/Kg	0.22	0.034	1	02/04/2022 15:45	02/07/2022 00:39	T
(SM 2540G)								
Percent Moisture	**7**	%	0.001	0.0010	1	02/03/2022 11:40	02/03/2022 11:40	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1-Trichloroethane	0.00072 U	mg/Kg	0.0031	0.00072	1	02/07/2022 16:36	02/07/2022 21:42	T
1,1,2,2-Tetrachloroethane	0.00053 U	mg/Kg	0.0031	0.00053	1	02/07/2022 16:36	02/07/2022 21:42	T
1,1,2-Trichloroethane	0.00050 U	mg/Kg	0.0031	0.00050	1	02/07/2022 16:36	02/07/2022 21:42	T
1,1-Dichloroethane	0.00073 U	mg/Kg	0.0031	0.00073	1	02/07/2022 16:36	02/07/2022 21:42	T
1,1-Dichloroethylene	0.00076 U	mg/Kg	0.0031	0.00076	1	02/07/2022 16:36	02/07/2022 21:42	T
1,2-Dichlorobenzene	0.00049 U	mg/Kg	0.0031	0.00049	1	02/07/2022 16:36	02/07/2022 21:42	T
1,2-Dichloroethane	0.00081 U	mg/Kg	0.0031	0.00081	1	02/07/2022 16:36	02/07/2022 21:42	T
1,2-Dichloropropane	0.00056 U	mg/Kg	0.0031	0.00056	1	02/07/2022 16:36	02/07/2022 21:42	T
1,3-Dichlorobenzene	0.00057 U	mg/Kg	0.0031	0.00057	1	02/07/2022 16:36	02/07/2022 21:42	T
1,4-Dichlorobenzene	0.00069 U	mg/Kg	0.0031	0.00069	1	02/07/2022 16:36	02/07/2022 21:42	T
2-Chloroethyl Vinyl Ether	0.0027 U	mg/Kg	0.0031	0.0027	1	02/07/2022 16:36	02/07/2022 21:42	T
Acrolein (Propenal)	0.0064 U	mg/Kg	0.016	0.0064	1	02/07/2022 16:36	02/07/2022 21:42	T
Acrylonitrile	0.00054 U	mg/Kg	0.0031	0.00054	1	02/07/2022 16:36	02/07/2022 21:42	T
Benzene	0.00051 U	mg/Kg	0.0031	0.00051	1	02/07/2022 16:36	02/07/2022 21:42	T
Bromodichloromethane	0.00055 U	mg/Kg	0.0031	0.00055	1	02/07/2022 16:36	02/07/2022 21:42	T
Bromoform	0.0021 U	mg/Kg	0.0031	0.0021	1	02/07/2022 16:36	02/07/2022 21:42	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342014 **Date Collected:** 02/02/2022 13:15 **Matrix:** Soil
Sample ID: SB-14 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Bromomethane	0.0013 U	mg/Kg	0.0031	0.0013	1	02/07/2022 16:36	02/07/2022 21:42	T
Carbon Tetrachloride	0.00087 U	mg/Kg	0.0031	0.00087	1	02/07/2022 16:36	02/07/2022 21:42	T
Chlorobenzene	0.00046 U	mg/Kg	0.0031	0.00046	1	02/07/2022 16:36	02/07/2022 21:42	T
Chloroethane	0.0015 U	mg/Kg	0.0031	0.0015	1	02/07/2022 16:36	02/07/2022 21:42	T
Chloroform	0.00063 U	mg/Kg	0.0031	0.00063	1	02/07/2022 16:36	02/07/2022 21:42	T
Chloromethane	0.00071 U	mg/Kg	0.0031	0.00071	1	02/07/2022 16:36	02/07/2022 21:42	T
Dibromochloromethane	0.0018 U	mg/Kg	0.0031	0.0018	1	02/07/2022 16:36	02/07/2022 21:42	T
Dichlorodifluoromethane	0.0011 U	mg/Kg	0.0031	0.0011	1	02/07/2022 16:36	02/07/2022 21:42	T
Ethylbenzene	0.00037 U	mg/Kg	0.0031	0.00037	1	02/07/2022 16:36	02/07/2022 21:42	T
Methyl tert-butyl Ether (MTBE)	0.0010 U	mg/Kg	0.0031	0.0010	1	02/07/2022 16:36	02/07/2022 21:42	T
Methylene Chloride	0.0042 U	mg/Kg	0.0052	0.0042	1	02/07/2022 16:36	02/07/2022 21:42	T
Tetrachloroethylene (PCE)	0.00059 U	mg/Kg	0.0031	0.00059	1	02/07/2022 16:36	02/07/2022 21:42	T
Toluene	0.00038 U	mg/Kg	0.0031	0.00038	1	02/07/2022 16:36	02/07/2022 21:42	T
Trichloroethene	0.00076 U	mg/Kg	0.0031	0.00076	1	02/07/2022 16:36	02/07/2022 21:42	T
Trichlorofluoromethane	0.00069 U	mg/Kg	0.0031	0.00069	1	02/07/2022 16:36	02/07/2022 21:42	T
Vinyl Chloride	0.00060 U	mg/Kg	0.0031	0.00060	1	02/07/2022 16:36	02/07/2022 21:42	T
Xylene (Total)	0.0013 U	mg/Kg	0.0062	0.0013	1	02/07/2022 16:36	02/07/2022 21:42	T
cis-1,2-Dichloroethylene	0.00061 U	mg/Kg	0.0031	0.00061	1	02/07/2022 16:36	02/07/2022 21:42	T
cis-1,3-Dichloropropene	0.0022 U	mg/Kg	0.0031	0.0022	1	02/07/2022 16:36	02/07/2022 21:42	T
trans-1,2-Dichloroethylene	0.00063 U	mg/Kg	0.0031	0.00063	1	02/07/2022 16:36	02/07/2022 21:42	T
trans-1,3-Dichloropropylene	0.0019 U	mg/Kg	0.0031	0.0019	1	02/07/2022 16:36	02/07/2022 21:42	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Analysis Results Comments

Decachlorobiphenyl

J4|Estimated Result

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	48	46	96	69 - 134	T
Toluene-d8 (S)	ug/Kg	48	47	97	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	48	53	110	79 - 126	T
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.30	74	37 - 127	T
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.37	94	33 - 134	T
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.36	90	42 - 141	T
Nonatricontane-C39 (S)	mg/Kg	6	4.30	72	36 - 132	T
o-Terphenyl (S)	mg/Kg	2	1.50	74	66 - 136	T
Decachlorobiphenyl (S)	ug/Kg	75	36	**48**	63 - 130	M
Tetrachloro-m-xylene (S)	ug/Kg	150	120	84	42 - 129	M
2,4,6-Tribromophenol (S)	mg/Kg	2	1.90	95	39 - 132	T
Phenol-d6 (S)	mg/Kg	2	1.40	71	33 - 122	T
2-Fluorobiphenyl (S)	mg/Kg	2	1.40	70	44 - 115	T
2-Fluorophenol (S)	mg/Kg	2	1.40	68	35 - 115	T
Nitrobenzene-d5 (S)	mg/Kg	2	1.50	75	37 - 122	T
p-Terphenyl-d14 (S)	mg/Kg	2	2	100	54 - 127	T
Decachlorobiphenyl (S)	ug/Kg	75	36	**48**	61 - 147	M
Tetrachloro-m-xylene (S)	ug/Kg	150	120	84	44 - 130	M

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342015 **Date Collected:** 02/02/2022 13:35 **Matrix:** Soil
Sample ID: SB-15 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**7.1**	mg/Kg	1.4	0.69	5	02/08/2022 11:00	02/09/2022 19:44	T
Cadmium	0.14 U	mg/Kg	0.28	0.14	5	02/08/2022 11:00	02/09/2022 19:44	T
Chromium	**17**	mg/Kg	1.4	1.1	5	02/08/2022 11:00	02/09/2022 19:44	T
Lead	**440**	mg/Kg	1.4	0.69	5	02/08/2022 11:00	02/09/2022 19:44	T
Oil & Grease (HEM)	**0 U**	mg/L			5	02/08/2022 11:00	02/09/2022 19:44	T
SEMIVOLATILES (FL-PRO)								
TPH	**22**	mg/Kg	15	5.4	1	02/07/2022 16:15	02/08/2022 13:48	T
SEMIVOLATILES (SW-846 3550B/EPA 8081)								
4,4`-DDD	0.0012 U	mg/Kg	0.0018	0.0012	1	02/04/2022 09:30	02/05/2022 00:00	M
4,4`-DDE	0.0012 U	mg/Kg	0.0018	0.0012	1	02/04/2022 09:30	02/05/2022 00:00	M
4,4`-DDT	0.0012 U	mg/Kg	0.0018	0.0012	1	02/04/2022 09:30	02/05/2022 00:00	M
Aldrin	0.0012 U	mg/Kg	0.0018	0.0012	1	02/04/2022 09:30	02/05/2022 00:00	M
Chlordane (technical)	0.011 U	mg/Kg	0.037	0.011	1	02/04/2022 09:30	02/05/2022 00:00	M
Dieldrin	0.0012 U	mg/Kg	0.0018	0.0012	1	02/04/2022 09:30	02/05/2022 00:00	M
Endosulfan I	0.0012 U	mg/Kg	0.0018	0.0012	1	02/04/2022 09:30	02/05/2022 00:00	M
Endosulfan II	0.0012 U	mg/Kg	0.0018	0.0012	1	02/04/2022 09:30	02/05/2022 00:00	M
Endosulfan Sulfate	0.0012 U	mg/Kg	0.0018	0.0012	1	02/04/2022 09:30	02/05/2022 00:00	M
Endrin	0.0012 U	mg/Kg	0.0018	0.0012	1	02/04/2022 09:30	02/05/2022 00:00	M
Endrin Aldehyde	0.0012 U	mg/Kg	0.0018	0.0012	1	02/04/2022 09:30	02/05/2022 00:00	M
Heptachlor	0.0012 U	mg/Kg	0.0018	0.0012	1	02/04/2022 09:30	02/05/2022 00:00	M
Heptachlor Epoxide	0.0012 U	mg/Kg	0.0018	0.0012	1	02/04/2022 09:30	02/05/2022 00:00	M
Methoxychlor	0.0012 U	mg/Kg	0.0018	0.0012	1	02/04/2022 09:30	02/05/2022 00:00	M
Toxaphene	0.012 U	mg/Kg	0.037	0.012	1	02/04/2022 09:30	02/05/2022 00:00	M
alpha-BHC	0.0012 U	mg/Kg	0.0018	0.0012	1	02/04/2022 09:30	02/05/2022 00:00	M
beta-BHC	0.0012 U	mg/Kg	0.0018	0.0012	1	02/04/2022 09:30	02/05/2022 00:00	M
delta-BHC	0.0012 U	mg/Kg	0.0018	0.0012	1	02/04/2022 09:30	02/05/2022 00:00	M
gamma-BHC (Lindane)	0.0012 U	mg/Kg	0.0018	0.0012	1	02/04/2022 09:30	02/05/2022 00:00	M

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342015 **Date Collected:** 02/02/2022 13:35 **Matrix:** Soil
Sample ID: SB-15 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
SEMIVOLATILES (SW-846 3550B/SW-846 8082A)								
Aroclor 1016 (PCB-1016)	0.022 U	mg/Kg	0.037	0.022	1	02/04/2022 12:35	02/05/2022 00:13	M
Aroclor 1221 (PCB-1221)	0.026 U	mg/Kg	0.037	0.026	1	02/04/2022 12:35	02/05/2022 00:13	M
Aroclor 1232 (PCB-1232)	0.035 U	mg/Kg	0.037	0.035	1	02/04/2022 12:35	02/05/2022 00:13	M
Aroclor 1242 (PCB-1242)	0.027 U	mg/Kg	0.037	0.027	1	02/04/2022 12:35	02/05/2022 00:13	M
Aroclor 1248 (PCB-1248)	0.013 U	mg/Kg	0.037	0.013	1	02/04/2022 12:35	02/05/2022 00:13	M
Aroclor 1254 (PCB-1254)	0.0073 U	mg/Kg	0.037	0.0073	1	02/04/2022 12:35	02/05/2022 00:13	M
Aroclor 1260 (PCB-1260)	0.044 U	mg/Kg	0.073	0.044	1	02/04/2022 12:35	02/05/2022 00:13	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	**0.087**	mg/Kg	0.0090	0.0017	1	02/07/2022 16:15	02/08/2022 17:27	T
2-Methylnaphthalene	**0.096**	mg/Kg	0.0090	0.0022	1	02/07/2022 16:15	02/08/2022 17:27	T
Acenaphthene	**0.0032 I**	mg/Kg	0.0090	0.0016	1	02/07/2022 16:15	02/08/2022 17:27	T
Acenaphthylene	0.0019 U	mg/Kg	0.0090	0.0019	1	02/07/2022 16:15	02/08/2022 17:27	T
Anthracene	**0.0038 I**	mg/Kg	0.0090	0.0027	1	02/07/2022 16:15	02/08/2022 17:27	T
Benzo[a]anthracene	**0.032**	mg/Kg	0.0090	0.0022	1	02/07/2022 16:15	02/08/2022 17:27	T
Benzo[a]pyrene	**0.028**	mg/Kg	0.0090	0.0018	1	02/07/2022 16:15	02/08/2022 17:27	T
Benzo[b]fluoranthene	**0.035**	mg/Kg	0.0090	0.0017	1	02/07/2022 16:15	02/08/2022 17:27	T
Benzo[g,h,i]perylene	**0.022**	mg/Kg	0.0090	0.0021	1	02/07/2022 16:15	02/08/2022 17:27	T
Benzo[k]fluoranthene	**0.010**	mg/Kg	0.0090	0.0026	1	02/07/2022 16:15	02/08/2022 17:27	T
Chrysene	**0.044**	mg/Kg	0.0090	0.0032	1	02/07/2022 16:15	02/08/2022 17:27	T
Dibenzo[a,h]anthracene	**0.0080 I**	mg/Kg	0.0090	0.0018	1	02/07/2022 16:15	02/08/2022 17:27	T
Fluoranthene	**0.025**	mg/Kg	0.0090	0.0030	1	02/07/2022 16:15	02/08/2022 17:27	T
Fluorene	0.0023 U	mg/Kg	0.0090	0.0023	1	02/07/2022 16:15	02/08/2022 17:27	T
Indeno(1,2,3-cd)pyrene	**0.018**	mg/Kg	0.0090	0.0026	1	02/07/2022 16:15	02/08/2022 17:27	T
Naphthalene	**0.052**	mg/Kg	0.0090	0.0018	1	02/07/2022 16:15	02/08/2022 17:27	T
Phenanthrene	**0.10**	mg/Kg	0.0090	0.0023	1	02/07/2022 16:15	02/08/2022 17:27	T
Pyrene	**0.031**	mg/Kg	0.0090	0.0026	1	02/07/2022 16:15	02/08/2022 17:27	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342015 **Date Collected:** 02/02/2022 13:35 **Matrix:** Soil
Sample ID: SB-15 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
SEMIVOLATILES (SW-846 3550B/SW-846 8270C)								
1,2,4-Trichlorobenzene	0.034 U	mg/Kg	0.23	0.034	1	02/04/2022 15:45	02/07/2022 01:16	T
1,2-Dichlorobenzene	0.046 U	mg/Kg	0.23	0.046	1	02/04/2022 15:45	02/07/2022 01:16	T
1,2-Diphenylhydrazine	0.087 U	mg/Kg	0.23	0.087	1	02/04/2022 15:45	02/07/2022 01:16	T
1,3-Dichlorobenzene	0.024 U	mg/Kg	0.23	0.024	1	02/04/2022 15:45	02/07/2022 01:16	T
1,4-Dichlorobenzene	0.051 U	mg/Kg	0.23	0.051	1	02/04/2022 15:45	02/07/2022 01:16	T
1-Methylnaphthalene	**0.094 I**	mg/Kg	0.23	0.0044	1	02/04/2022 15:45	02/07/2022 01:16	T
2,4,6-Trichlorophenol	0.043 U	mg/Kg	0.23	0.043	1	02/04/2022 15:45	02/07/2022 01:16	T
2,4-Dichlorophenol	0.048 U	mg/Kg	0.23	0.048	1	02/04/2022 15:45	02/07/2022 01:16	T
2,4-Dimethylphenol	0.048 U	mg/Kg	0.23	0.048	1	02/04/2022 15:45	02/07/2022 01:16	T
2,4-Dinitrophenol	0.14 U	mg/Kg	0.23	0.14	1	02/04/2022 15:45	02/07/2022 01:16	T
2,4-Dinitrotoluene (2,4-DNT)	0.072 U	mg/Kg	0.23	0.072	1	02/04/2022 15:45	02/07/2022 01:16	T
2,6-Dinitrotoluene (2,6-DNT)	0.057 U	mg/Kg	0.23	0.057	1	02/04/2022 15:45	02/07/2022 01:16	T
2-Chloronaphthalene	0.044 U	mg/Kg	0.23	0.044	1	02/04/2022 15:45	02/07/2022 01:16	T
2-Chlorophenol	0.041 U	mg/Kg	0.23	0.041	1	02/04/2022 15:45	02/07/2022 01:16	T
2-Methyl-4,6-dinitrophenol	0.051 U	mg/Kg	0.23	0.051	1	02/04/2022 15:45	02/07/2022 01:16	T
2-Methylnaphthalene	**0.096 I**	mg/Kg	0.23	0.0054	1	02/04/2022 15:45	02/07/2022 01:16	T
2-Nitrophenol	0.051 U	mg/Kg	0.23	0.051	1	02/04/2022 15:45	02/07/2022 01:16	T
3,3`-Dichlorobenzidine	0.031 U	mg/Kg	0.23	0.031	1	02/04/2022 15:45	02/07/2022 01:16	T
4-Bromophenyl Phenyl Ether	0.058 U	mg/Kg	0.23	0.058	1	02/04/2022 15:45	02/07/2022 01:16	T
4-Chloro-3-methylphenol	0.048 U	mg/Kg	0.23	0.048	1	02/04/2022 15:45	02/07/2022 01:16	T
4-Chlorophenyl Phenyl Ether	0.050 U	mg/Kg	0.23	0.050	1	02/04/2022 15:45	02/07/2022 01:16	T
4-Nitrophenol	0.064 U	mg/Kg	0.23	0.064	1	02/04/2022 15:45	02/07/2022 01:16	T
Acenaphthene	0.0052 U	mg/Kg	0.23	0.0052	1	02/04/2022 15:45	02/07/2022 01:16	T
Acenaphthylene	0.0058 U	mg/Kg	0.23	0.0058	1	02/04/2022 15:45	02/07/2022 01:16	T
Anthracene	0.0057 U	mg/Kg	0.23	0.0057	1	02/04/2022 15:45	02/07/2022 01:16	T
Benzidine	0.045 U	mg/Kg	0.23	0.045	1	02/04/2022 15:45	02/07/2022 01:16	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342015 **Date Collected:** 02/02/2022 13:35 **Matrix:** Soil
Sample ID: SB-15 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[a]anthracene	**0.023 I**	mg/Kg	0.23	0.0052	1	02/04/2022 15:45	02/07/2022 01:16	T
Benzo[a]pyrene	**0.019 I**	mg/Kg	0.23	0.0049	1	02/04/2022 15:45	02/07/2022 01:16	T
Benzo[b]fluoranthene	**0.028 I**	mg/Kg	0.23	0.0072	1	02/04/2022 15:45	02/07/2022 01:16	T
Benzo[g,h,i]perylene	**0.016 I**	mg/Kg	0.23	0.0043	1	02/04/2022 15:45	02/07/2022 01:16	T
Benzo[k]fluoranthene	0.0076 U	mg/Kg	0.23	0.0076	1	02/04/2022 15:45	02/07/2022 01:16	T
Butyl benzyl phthalate	0.032 U	mg/Kg	0.23	0.032	1	02/04/2022 15:45	02/07/2022 01:16	T
Chrysene	**0.026 I**	mg/Kg	0.23	0.0058	1	02/04/2022 15:45	02/07/2022 01:16	T
Di-n-Butyl Phthalate	0.047 U	mg/Kg	0.23	0.047	1	02/04/2022 15:45	02/07/2022 01:16	T
Di-n-octyl Phthalate	0.030 U	mg/Kg	0.23	0.030	1	02/04/2022 15:45	02/07/2022 01:16	T
Dibenzo[a,h]anthracene	**0.0050 I**	mg/Kg	0.23	0.0044	1	02/04/2022 15:45	02/07/2022 01:16	T
Diethyl phthalate	0.044 U	mg/Kg	0.23	0.044	1	02/04/2022 15:45	02/07/2022 01:16	T
Dimethyl phthalate	0.043 U	mg/Kg	0.23	0.043	1	02/04/2022 15:45	02/07/2022 01:16	T
Fluoranthene	0.055 U	mg/Kg	0.23	0.055	1	02/04/2022 15:45	02/07/2022 01:16	T
Fluorene	0.0051 U	mg/Kg	0.23	0.0051	1	02/04/2022 15:45	02/07/2022 01:16	T
Hexachlorobenzene	0.067 U	mg/Kg	0.23	0.067	1	02/04/2022 15:45	02/07/2022 01:16	T
Hexachlorobutadiene	0.037 U	mg/Kg	0.23	0.037	1	02/04/2022 15:45	02/07/2022 01:16	T
Hexachlorocyclopentadiene	0.038 U	mg/Kg	0.23	0.038	1	02/04/2022 15:45	02/07/2022 01:16	T
Hexachloroethane	0.032 U	mg/Kg	0.23	0.032	1	02/04/2022 15:45	02/07/2022 01:16	T
Indeno(1,2,3-cd)pyrene	**0.015 I**	mg/Kg	0.23	0.0045	1	02/04/2022 15:45	02/07/2022 01:16	T
Isophorone	0.026 U	mg/Kg	0.23	0.026	1	02/04/2022 15:45	02/07/2022 01:16	T
N-Nitrosodi-n-propylamine	0.041 U	mg/Kg	0.23	0.041	1	02/04/2022 15:45	02/07/2022 01:16	T
N-Nitrosodimethylamine	0.010 U	mg/Kg	0.23	0.010	1	02/04/2022 15:45	02/07/2022 01:16	T
N-Nitrosodiphenylamine	0.030 U	mg/Kg	0.23	0.030	1	02/04/2022 15:45	02/07/2022 01:16	T
Naphthalene	**0.067 I**	mg/Kg	0.23	0.0055	1	02/04/2022 15:45	02/07/2022 01:16	T
Nitrobenzene	0.055 U	mg/Kg	0.23	0.055	1	02/04/2022 15:45	02/07/2022 01:16	T
Pentachlorophenol	0.076 U	mg/Kg	0.23	0.076	1	02/04/2022 15:45	02/07/2022 01:16	T
Phenanthrene	**0.087 I**	mg/Kg	0.23	0.0065	1	02/04/2022 15:45	02/07/2022 01:16	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342015 **Date Collected:** 02/02/2022 13:35 **Matrix:** Soil
Sample ID: SB-15 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Phenol	0.045 U	mg/Kg	0.23	0.045	1	02/04/2022 15:45	02/07/2022 01:16	T
Pyrene	**0.031 I**	mg/Kg	0.23	0.0049	1	02/04/2022 15:45	02/07/2022 01:16	T
bis(2-Chloroethoxy)methane	0.033 U	mg/Kg	0.23	0.033	1	02/04/2022 15:45	02/07/2022 01:16	T
bis(2-Chloroethyl)Ether	0.047 U	mg/Kg	0.23	0.047	1	02/04/2022 15:45	02/07/2022 01:16	T
bis(2-Chloroisopropyl) Ether	0.042 U	mg/Kg	0.23	0.042	1	02/04/2022 15:45	02/07/2022 01:16	T
bis(2-Ethylhexyl) phthalate	0.036 U	mg/Kg	0.23	0.036	1	02/04/2022 15:45	02/07/2022 01:16	T
(SM 2540G)								
Percent Moisture	**12**	%	0.001	0.0010	1	02/03/2022 11:40	02/03/2022 11:40	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1-Trichloroethane	0.00080 U	mg/Kg	0.0034	0.00080	1	02/07/2022 16:36	02/07/2022 22:10	T
1,1,2,2-Tetrachloroethane	0.00058 U	mg/Kg	0.0034	0.00058	1	02/07/2022 16:36	02/07/2022 22:10	T
1,1,2-Trichloroethane	0.00056 U	mg/Kg	0.0034	0.00056	1	02/07/2022 16:36	02/07/2022 22:10	T
1,1-Dichloroethane	0.00080 U	mg/Kg	0.0034	0.00080	1	02/07/2022 16:36	02/07/2022 22:10	T
1,1-Dichloroethylene	0.00084 U	mg/Kg	0.0034	0.00084	1	02/07/2022 16:36	02/07/2022 22:10	T
1,2-Dichlorobenzene	0.00054 U	mg/Kg	0.0034	0.00054	1	02/07/2022 16:36	02/07/2022 22:10	T
1,2-Dichloroethane	0.00089 U	mg/Kg	0.0034	0.00089	1	02/07/2022 16:36	02/07/2022 22:10	T
1,2-Dichloropropane	0.00061 U	mg/Kg	0.0034	0.00061	1	02/07/2022 16:36	02/07/2022 22:10	T
1,3-Dichlorobenzene	0.00063 U	mg/Kg	0.0034	0.00063	1	02/07/2022 16:36	02/07/2022 22:10	T
1,4-Dichlorobenzene	0.00076 U	mg/Kg	0.0034	0.00076	1	02/07/2022 16:36	02/07/2022 22:10	T
2-Chloroethyl Vinyl Ether	0.0030 U	mg/Kg	0.0034	0.0030	1	02/07/2022 16:36	02/07/2022 22:10	T
Acrolein (Propenal)	0.0071 U	mg/Kg	0.017	0.0071	1	02/07/2022 16:36	02/07/2022 22:10	T
Acrylonitrile	0.00059 U	mg/Kg	0.0034	0.00059	1	02/07/2022 16:36	02/07/2022 22:10	T
Benzene	0.00057 U	mg/Kg	0.0034	0.00057	1	02/07/2022 16:36	02/07/2022 22:10	T
Bromodichloromethane	0.00060 U	mg/Kg	0.0034	0.00060	1	02/07/2022 16:36	02/07/2022 22:10	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342015 **Date Collected:** 02/02/2022 13:35 **Matrix:** Soil
Sample ID: SB-15 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Bromoform	0.0023 U	mg/Kg	0.0034	0.0023	1	02/07/2022 16:36	02/07/2022 22:10	T
Bromomethane	0.0014 U	mg/Kg	0.0034	0.0014	1	02/07/2022 16:36	02/07/2022 22:10	T
Carbon Tetrachloride	0.00096 U	mg/Kg	0.0034	0.00096	1	02/07/2022 16:36	02/07/2022 22:10	T
Chlorobenzene	0.00051 U	mg/Kg	0.0034	0.00051	1	02/07/2022 16:36	02/07/2022 22:10	T
Chloroethane	0.0017 U	mg/Kg	0.0034	0.0017	1	02/07/2022 16:36	02/07/2022 22:10	T
Chloroform	0.00070 U	mg/Kg	0.0034	0.00070	1	02/07/2022 16:36	02/07/2022 22:10	T
Chloromethane	0.00078 U	mg/Kg	0.0034	0.00078	1	02/07/2022 16:36	02/07/2022 22:10	T
Dibromochloromethane	0.0020 U	mg/Kg	0.0034	0.0020	1	02/07/2022 16:36	02/07/2022 22:10	T
Dichlorodifluoromethane	0.0012 U	mg/Kg	0.0034	0.0012	1	02/07/2022 16:36	02/07/2022 22:10	T
Ethylbenzene	0.00041 U	mg/Kg	0.0034	0.00041	1	02/07/2022 16:36	02/07/2022 22:10	T
Methyl tert-butyl Ether (MTBE)	0.0011 U	mg/Kg	0.0034	0.0011	1	02/07/2022 16:36	02/07/2022 22:10	T
Methylene Chloride	0.0046 U	mg/Kg	0.0057	0.0046	1	02/07/2022 16:36	02/07/2022 22:10	T
Tetrachloroethylene (PCE)	0.00065 U	mg/Kg	0.0034	0.00065	1	02/07/2022 16:36	02/07/2022 22:10	T
Toluene	0.00042 U	mg/Kg	0.0034	0.00042	1	02/07/2022 16:36	02/07/2022 22:10	T
Trichloroethene	0.00084 U	mg/Kg	0.0034	0.00084	1	02/07/2022 16:36	02/07/2022 22:10	T
Trichlorofluoromethane	0.00076 U	mg/Kg	0.0034	0.00076	1	02/07/2022 16:36	02/07/2022 22:10	T
Vinyl Chloride	0.00066 U	mg/Kg	0.0034	0.00066	1	02/07/2022 16:36	02/07/2022 22:10	T
Xylene (Total)	0.0015 U	mg/Kg	0.0068	0.0015	1	02/07/2022 16:36	02/07/2022 22:10	T
cis-1,2-Dichloroethylene	0.00067 U	mg/Kg	0.0034	0.00067	1	02/07/2022 16:36	02/07/2022 22:10	T
cis-1,3-Dichloropropene	0.0024 U	mg/Kg	0.0034	0.0024	1	02/07/2022 16:36	02/07/2022 22:10	T
trans-1,2-Dichloroethylene	0.00069 U	mg/Kg	0.0034	0.00069	1	02/07/2022 16:36	02/07/2022 22:10	T
trans-1,3-Dichloropropylene	0.0021 U	mg/Kg	0.0034	0.0021	1	02/07/2022 16:36	02/07/2022 22:10	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Analysis Results Comments

Decachlorobiphenyl

J4|Estimated Result

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	50	48	96	69 - 134	T
Toluene-d8 (S)	ug/Kg	50	49	98	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	50	56	113	79 - 126	T
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.19	47	37 - 127	T
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.22	55	33 - 134	T
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.37	93	42 - 141	T
Nonatricontane-C39 (S)	mg/Kg	6	5.60	94	36 - 132	T
o-Terphenyl (S)	mg/Kg	2	1.50	76	66 - 136	T
Tetrachloro-m-xylene (S)	ug/Kg	160	150	96	42 - 129	M
Decachlorobiphenyl (S)	ug/Kg	80	43	**53**	63 - 130	M
2,4,6-Tribromophenol (S)	mg/Kg	2	2	99	39 - 132	T
Phenol-d6 (S)	mg/Kg	2	1.40	72	33 - 122	T
2-Fluorobiphenyl (S)	mg/Kg	2	1.60	79	44 - 115	T
2-Fluorophenol (S)	mg/Kg	2	1.40	72	35 - 115	T
Nitrobenzene-d5 (S)	mg/Kg	2	1.70	85	37 - 122	T
p-Terphenyl-d14 (S)	mg/Kg	2	1.90	96	54 - 127	T
Decachlorobiphenyl (S)	ug/Kg	80	43	**53**	61 - 147	M
Tetrachloro-m-xylene (S)	ug/Kg	160	150	96	44 - 130	M

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342016 **Date Collected:** 02/02/2022 13:55 **Matrix:** Soil
Sample ID: SB-16 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	0.13 U	mg/Kg	0.26	0.13	1	02/08/2022 11:00	02/08/2022 20:00	T
Cadmium	0.026 U	mg/Kg	0.052	0.026	1	02/08/2022 11:00	02/08/2022 20:00	T
Chromium	**1.2**	mg/Kg	0.26	0.21	1	02/08/2022 11:00	02/08/2022 20:00	T
Lead	**4.8**	mg/Kg	0.26	0.13	1	02/08/2022 11:00	02/08/2022 20:00	T
SEMIVOLATILES (FL-PRO)								
TPH	5.2 U	mg/Kg	15	5.2	1	02/07/2022 16:15	02/08/2022 13:21	T
SEMIVOLATILES (SW-846 3550B/EPA 8081)								
4,4`-DDD	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/05/2022 00:00	M
4,4`-DDE	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/05/2022 00:00	M
4,4`-DDT	**0.0046**	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/05/2022 00:00	M
Aldrin	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/05/2022 00:00	M
Chlordane (technical)	0.0099 U	mg/Kg	0.033	0.0099	1	02/04/2022 09:30	02/05/2022 00:00	M
Dieldrin	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/05/2022 00:00	M
Endosulfan I	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/05/2022 00:00	M
Endosulfan II	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/05/2022 00:00	M
Endosulfan Sulfate	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/05/2022 00:00	M
Endrin	**0.0012 I**	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/05/2022 00:00	M
Endrin Aldehyde	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/05/2022 00:00	M
Heptachlor	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/05/2022 00:00	M
Heptachlor Epoxide	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/05/2022 00:00	M
Methoxychlor	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/05/2022 00:00	M
Toxaphene	0.011 U	mg/Kg	0.033	0.011	1	02/04/2022 09:30	02/05/2022 00:00	M
alpha-BHC	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/05/2022 00:00	M
beta-BHC	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/05/2022 00:00	M
delta-BHC	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/05/2022 00:00	M
gamma-BHC (Lindane)	0.0011 U	mg/Kg	0.0017	0.0011	1	02/04/2022 09:30	02/05/2022 00:00	M
SEMIVOLATILES (SW-846 3550B/SW-846 8082A)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342016 **Date Collected:** 02/02/2022 13:55 **Matrix:** Soil
Sample ID: SB-16 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Aroclor 1016 (PCB-1016)	0.020 U	mg/Kg	0.033	0.020	1	02/04/2022 12:35	02/05/2022 00:35	M
Aroclor 1221 (PCB-1221)	0.023 U	mg/Kg	0.033	0.023	1	02/04/2022 12:35	02/05/2022 00:35	M
Aroclor 1232 (PCB-1232)	0.032 U	mg/Kg	0.033	0.032	1	02/04/2022 12:35	02/05/2022 00:35	M
Aroclor 1242 (PCB-1242)	0.025 U	mg/Kg	0.033	0.025	1	02/04/2022 12:35	02/05/2022 00:35	M
Aroclor 1248 (PCB-1248)	0.012 U	mg/Kg	0.033	0.012	1	02/04/2022 12:35	02/05/2022 00:35	M
Aroclor 1254 (PCB-1254)	0.0067 U	mg/Kg	0.033	0.0067	1	02/04/2022 12:35	02/05/2022 00:35	M
Aroclor 1260 (PCB-1260)	0.040 U	mg/Kg	0.067	0.040	1	02/04/2022 12:35	02/05/2022 00:35	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	**0.0028 I**	mg/Kg	0.0087	0.0017	1	02/07/2022 16:15	02/08/2022 16:01	T
2-Methylnaphthalene	**0.0030 I**	mg/Kg	0.0087	0.0021	1	02/07/2022 16:15	02/08/2022 16:01	T
Acenaphthene	0.0016 U	mg/Kg	0.0087	0.0016	1	02/07/2022 16:15	02/08/2022 16:01	T
Acenaphthylene	**0.0069 I**	mg/Kg	0.0087	0.0019	1	02/07/2022 16:15	02/08/2022 16:01	T
Anthracene	**0.0048 I**	mg/Kg	0.0087	0.0027	1	02/07/2022 16:15	02/08/2022 16:01	T
Benzo[a]anthracene	**0.0096**	mg/Kg	0.0087	0.0021	1	02/07/2022 16:15	02/08/2022 16:01	T
Benzo[a]pyrene	**0.017**	mg/Kg	0.0087	0.0018	1	02/07/2022 16:15	02/08/2022 16:01	T
Benzo[b]fluoranthene	**0.028**	mg/Kg	0.0087	0.0017	1	02/07/2022 16:15	02/08/2022 16:01	T
Benzo[g,h,i]perylene	**0.019**	mg/Kg	0.0087	0.0020	1	02/07/2022 16:15	02/08/2022 16:01	T
Benzo[k]fluoranthene	**0.011**	mg/Kg	0.0087	0.0025	1	02/07/2022 16:15	02/08/2022 16:01	T
Chrysene	**0.012**	mg/Kg	0.0087	0.0031	1	02/07/2022 16:15	02/08/2022 16:01	T
Dibenzo[a,h]anthracene	**0.0050 I**	mg/Kg	0.0087	0.0018	1	02/07/2022 16:15	02/08/2022 16:01	T
Fluoranthene	**0.011**	mg/Kg	0.0087	0.0029	1	02/07/2022 16:15	02/08/2022 16:01	T
Fluorene	0.0023 U	mg/Kg	0.0087	0.0023	1	02/07/2022 16:15	02/08/2022 16:01	T
Indeno(1,2,3-cd)pyrene	**0.018**	mg/Kg	0.0087	0.0025	1	02/07/2022 16:15	02/08/2022 16:01	T
Naphthalene	**0.0019 I**	mg/Kg	0.0087	0.0018	1	02/07/2022 16:15	02/08/2022 16:01	T
Phenanthrene	**0.0054 I**	mg/Kg	0.0087	0.0023	1	02/07/2022 16:15	02/08/2022 16:01	T
Pyrene	**0.016**	mg/Kg	0.0087	0.0025	1	02/07/2022 16:15	02/08/2022 16:01	T
SEMIVOLATILES (SW-846 3550B/SW-846 8270C)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342016 **Date Collected:** 02/02/2022 13:55 **Matrix:** Soil
Sample ID: SB-16 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,2,4-Trichlorobenzene	0.033 U	mg/Kg	0.22	0.033	1	02/04/2022 15:45	02/07/2022 01:53	T
1,2-Dichlorobenzene	0.044 U	mg/Kg	0.22	0.044	1	02/04/2022 15:45	02/07/2022 01:53	T
1,2-Diphenylhydrazine	0.084 U	mg/Kg	0.22	0.084	1	02/04/2022 15:45	02/07/2022 01:53	T
1,3-Dichlorobenzene	0.023 U	mg/Kg	0.22	0.023	1	02/04/2022 15:45	02/07/2022 01:53	T
1,4-Dichlorobenzene	0.049 U	mg/Kg	0.22	0.049	1	02/04/2022 15:45	02/07/2022 01:53	T
1-Methylnaphthalene	0.0042 U	mg/Kg	0.22	0.0042	1	02/04/2022 15:45	02/07/2022 01:53	T
2,4,6-Trichlorophenol	0.041 U	mg/Kg	0.22	0.041	1	02/04/2022 15:45	02/07/2022 01:53	T
2,4-Dichlorophenol	0.047 U	mg/Kg	0.22	0.047	1	02/04/2022 15:45	02/07/2022 01:53	T
2,4-Dimethylphenol	0.047 U	mg/Kg	0.22	0.047	1	02/04/2022 15:45	02/07/2022 01:53	T
2,4-Dinitrophenol	0.13 U	mg/Kg	0.22	0.13	1	02/04/2022 15:45	02/07/2022 01:53	T
2,4-Dinitrotoluene (2,4-DNT)	0.069 U	mg/Kg	0.22	0.069	1	02/04/2022 15:45	02/07/2022 01:53	T
2,6-Dinitrotoluene (2,6-DNT)	0.055 U	mg/Kg	0.22	0.055	1	02/04/2022 15:45	02/07/2022 01:53	T
2-Chloronaphthalene	0.043 U	mg/Kg	0.22	0.043	1	02/04/2022 15:45	02/07/2022 01:53	T
2-Chlorophenol	0.039 U	mg/Kg	0.22	0.039	1	02/04/2022 15:45	02/07/2022 01:53	T
2-Methyl-4,6-dinitrophenol	0.049 U	mg/Kg	0.22	0.049	1	02/04/2022 15:45	02/07/2022 01:53	T
2-Methylnaphthalene	0.0052 U	mg/Kg	0.22	0.0052	1	02/04/2022 15:45	02/07/2022 01:53	T
2-Nitrophenol	0.049 U	mg/Kg	0.22	0.049	1	02/04/2022 15:45	02/07/2022 01:53	T
3,3`-Dichlorobenzidine	0.030 U	mg/Kg	0.22	0.030	1	02/04/2022 15:45	02/07/2022 01:53	T
4-Bromophenyl Phenyl Ether	0.056 U	mg/Kg	0.22	0.056	1	02/04/2022 15:45	02/07/2022 01:53	T
4-Chloro-3-methylphenol	0.047 U	mg/Kg	0.22	0.047	1	02/04/2022 15:45	02/07/2022 01:53	T
4-Chlorophenyl Phenyl Ether	0.048 U	mg/Kg	0.22	0.048	1	02/04/2022 15:45	02/07/2022 01:53	T
4-Nitrophenol	0.062 U	mg/Kg	0.22	0.062	1	02/04/2022 15:45	02/07/2022 01:53	T
Acenaphthene	0.0050 U	mg/Kg	0.22	0.0050	1	02/04/2022 15:45	02/07/2022 01:53	T
Acenaphthylene	0.0056 U	mg/Kg	0.22	0.0056	1	02/04/2022 15:45	02/07/2022 01:53	T
Anthracene	0.0055 U	mg/Kg	0.22	0.0055	1	02/04/2022 15:45	02/07/2022 01:53	T
Benzidine	0.044 U	mg/Kg	0.22	0.044	1	02/04/2022 15:45	02/07/2022 01:53	T
Benzo[a]anthracene	**0.011 I**	mg/Kg	0.22	0.0050	1	02/04/2022 15:45	02/07/2022 01:53	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342016 **Date Collected:** 02/02/2022 13:55 **Matrix:** Soil
Sample ID: SB-16 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[a]pyrene	**0.015 I**	mg/Kg	0.22	0.0047	1	02/04/2022 15:45	02/07/2022 01:53	T
Benzo[b]fluoranthene	**0.026 I**	mg/Kg	0.22	0.0070	1	02/04/2022 15:45	02/07/2022 01:53	T
Benzo[g,h,i]perylene	**0.015 I**	mg/Kg	0.22	0.0041	1	02/04/2022 15:45	02/07/2022 01:53	T
Benzo[k]fluoranthene	0.0073 U	mg/Kg	0.22	0.0073	1	02/04/2022 15:45	02/07/2022 01:53	T
Butyl benzyl phthalate	0.030 U	mg/Kg	0.22	0.030	1	02/04/2022 15:45	02/07/2022 01:53	T
Chrysene	**0.010 I**	mg/Kg	0.22	0.0056	1	02/04/2022 15:45	02/07/2022 01:53	T
Di-n-Butyl Phthalate	0.046 U	mg/Kg	0.22	0.046	1	02/04/2022 15:45	02/07/2022 01:53	T
Di-n-octyl Phthalate	0.029 U	mg/Kg	0.22	0.029	1	02/04/2022 15:45	02/07/2022 01:53	T
Dibenzo[a,h]anthracene	0.0042 U	mg/Kg	0.22	0.0042	1	02/04/2022 15:45	02/07/2022 01:53	T
Diethyl phthalate	0.043 U	mg/Kg	0.22	0.043	1	02/04/2022 15:45	02/07/2022 01:53	T
Dimethyl phthalate	0.041 U	mg/Kg	0.22	0.041	1	02/04/2022 15:45	02/07/2022 01:53	T
Fluoranthene	0.053 U	mg/Kg	0.22	0.053	1	02/04/2022 15:45	02/07/2022 01:53	T
Fluorene	0.0049 U	mg/Kg	0.22	0.0049	1	02/04/2022 15:45	02/07/2022 01:53	T
Hexachlorobenzene	0.065 U	mg/Kg	0.22	0.065	1	02/04/2022 15:45	02/07/2022 01:53	T
Hexachlorobutadiene	0.036 U	mg/Kg	0.22	0.036	1	02/04/2022 15:45	02/07/2022 01:53	T
Hexachlorocyclopentadiene	0.037 U	mg/Kg	0.22	0.037	1	02/04/2022 15:45	02/07/2022 01:53	T
Hexachloroethane	0.031 U	mg/Kg	0.22	0.031	1	02/04/2022 15:45	02/07/2022 01:53	T
Indeno(1,2,3-cd)pyrene	**0.014 I**	mg/Kg	0.22	0.0043	1	02/04/2022 15:45	02/07/2022 01:53	T
Isophorone	0.025 U	mg/Kg	0.22	0.025	1	02/04/2022 15:45	02/07/2022 01:53	T
N-Nitrosodi-n-propylamine	0.039 U	mg/Kg	0.22	0.039	1	02/04/2022 15:45	02/07/2022 01:53	T
N-Nitrosodimethylamine	0.0099 U	mg/Kg	0.22	0.0099	1	02/04/2022 15:45	02/07/2022 01:53	T
N-Nitrosodiphenylamine	0.029 U	mg/Kg	0.22	0.029	1	02/04/2022 15:45	02/07/2022 01:53	T
Naphthalene	0.0053 U	mg/Kg	0.22	0.0053	1	02/04/2022 15:45	02/07/2022 01:53	T
Nitrobenzene	0.053 U	mg/Kg	0.22	0.053	1	02/04/2022 15:45	02/07/2022 01:53	T
Pentachlorophenol	0.073 U	mg/Kg	0.22	0.073	1	02/04/2022 15:45	02/07/2022 01:53	T
Phenanthrene	0.0062 U	mg/Kg	0.22	0.0062	1	02/04/2022 15:45	02/07/2022 01:53	T
Phenol	0.043 U	mg/Kg	0.22	0.043	1	02/04/2022 15:45	02/07/2022 01:53	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342016 **Date Collected:** 02/02/2022 13:55 **Matrix:** Soil
Sample ID: SB-16 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	**0.012 I**	mg/Kg	0.22	0.0047	1	02/04/2022 15:45	02/07/2022 01:53	T
bis(2-Chloroethoxy)methane	0.032 U	mg/Kg	0.22	0.032	1	02/04/2022 15:45	02/07/2022 01:53	T
bis(2-Chloroethyl)Ether	0.045 U	mg/Kg	0.22	0.045	1	02/04/2022 15:45	02/07/2022 01:53	T
bis(2-Chloroisopropyl) Ether	0.040 U	mg/Kg	0.22	0.040	1	02/04/2022 15:45	02/07/2022 01:53	T
bis(2-Ethylhexyl) phthalate	0.034 U	mg/Kg	0.22	0.034	1	02/04/2022 15:45	02/07/2022 01:53	T
(SM 2540G)								
Percent Moisture	**9**	%	0.001	0.0010	1	02/03/2022 11:40	02/03/2022 11:40	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1-Trichloroethane	0.00072 U	mg/Kg	0.0031	0.00072	1	02/07/2022 16:36	02/07/2022 22:37	T
1,1,2,2-Tetrachloroethane	0.00053 U	mg/Kg	0.0031	0.00053	1	02/07/2022 16:36	02/07/2022 22:37	T
1,1,2-Trichloroethane	0.00050 U	mg/Kg	0.0031	0.00050	1	02/07/2022 16:36	02/07/2022 22:37	T
1,1-Dichloroethane	0.00073 U	mg/Kg	0.0031	0.00073	1	02/07/2022 16:36	02/07/2022 22:37	T
1,1-Dichloroethylene	0.00076 U	mg/Kg	0.0031	0.00076	1	02/07/2022 16:36	02/07/2022 22:37	T
1,2-Dichlorobenzene	0.00049 U	mg/Kg	0.0031	0.00049	1	02/07/2022 16:36	02/07/2022 22:37	T
1,2-Dichloroethane	0.00081 U	mg/Kg	0.0031	0.00081	1	02/07/2022 16:36	02/07/2022 22:37	T
1,2-Dichloropropane	0.00056 U	mg/Kg	0.0031	0.00056	1	02/07/2022 16:36	02/07/2022 22:37	T
1,3-Dichlorobenzene	0.00057 U	mg/Kg	0.0031	0.00057	1	02/07/2022 16:36	02/07/2022 22:37	T
1,4-Dichlorobenzene	0.00069 U	mg/Kg	0.0031	0.00069	1	02/07/2022 16:36	02/07/2022 22:37	T
2-Chloroethyl Vinyl Ether	0.0027 U	mg/Kg	0.0031	0.0027	1	02/07/2022 16:36	02/07/2022 22:37	T
Acrolein (Propenal)	0.0064 U	mg/Kg	0.016	0.0064	1	02/07/2022 16:36	02/07/2022 22:37	T
Acrylonitrile	0.00054 U	mg/Kg	0.0031	0.00054	1	02/07/2022 16:36	02/07/2022 22:37	T
Benzene	0.00051 U	mg/Kg	0.0031	0.00051	1	02/07/2022 16:36	02/07/2022 22:37	T
Bromodichloromethane	0.00055 U	mg/Kg	0.0031	0.00055	1	02/07/2022 16:36	02/07/2022 22:37	T
Bromoform	0.0021 U	mg/Kg	0.0031	0.0021	1	02/07/2022 16:36	02/07/2022 22:37	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Lab ID: T2202342016 **Date Collected:** 02/02/2022 13:55 **Matrix:** Soil
Sample ID: SB-16 @ 0-6" **Date Received:** 02/02/2022 14:32

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Bromomethane	0.0013 U	mg/Kg	0.0031	0.0013	1	02/07/2022 16:36	02/07/2022 22:37	T
Carbon Tetrachloride	0.00087 U	mg/Kg	0.0031	0.00087	1	02/07/2022 16:36	02/07/2022 22:37	T
Chlorobenzene	0.00046 U	mg/Kg	0.0031	0.00046	1	02/07/2022 16:36	02/07/2022 22:37	T
Chloroethane	0.0015 U	mg/Kg	0.0031	0.0015	1	02/07/2022 16:36	02/07/2022 22:37	T
Chloroform	0.00063 U	mg/Kg	0.0031	0.00063	1	02/07/2022 16:36	02/07/2022 22:37	T
Chloromethane	0.00071 U	mg/Kg	0.0031	0.00071	1	02/07/2022 16:36	02/07/2022 22:37	T
Dibromochloromethane	0.0018 U	mg/Kg	0.0031	0.0018	1	02/07/2022 16:36	02/07/2022 22:37	T
Dichlorodifluoromethane	0.0011 U	mg/Kg	0.0031	0.0011	1	02/07/2022 16:36	02/07/2022 22:37	T
Ethylbenzene	0.00037 U	mg/Kg	0.0031	0.00037	1	02/07/2022 16:36	02/07/2022 22:37	T
Methyl tert-butyl Ether (MTBE)	0.0010 U	mg/Kg	0.0031	0.0010	1	02/07/2022 16:36	02/07/2022 22:37	T
Methylene Chloride	0.0042 U	mg/Kg	0.0052	0.0042	1	02/07/2022 16:36	02/07/2022 22:37	T
Tetrachloroethylene (PCE)	0.00059 U	mg/Kg	0.0031	0.00059	1	02/07/2022 16:36	02/07/2022 22:37	T
Toluene	0.00038 U	mg/Kg	0.0031	0.00038	1	02/07/2022 16:36	02/07/2022 22:37	T
Trichloroethene	0.00076 U	mg/Kg	0.0031	0.00076	1	02/07/2022 16:36	02/07/2022 22:37	T
Trichlorofluoromethane	0.00069 U	mg/Kg	0.0031	0.00069	1	02/07/2022 16:36	02/07/2022 22:37	T
Vinyl Chloride	0.00060 U	mg/Kg	0.0031	0.00060	1	02/07/2022 16:36	02/07/2022 22:37	T
Xylene (Total)	0.0013 U	mg/Kg	0.0062	0.0013	1	02/07/2022 16:36	02/07/2022 22:37	T
cis-1,2-Dichloroethylene	0.00061 U	mg/Kg	0.0031	0.00061	1	02/07/2022 16:36	02/07/2022 22:37	T
cis-1,3-Dichloropropene	0.0022 U	mg/Kg	0.0031	0.0022	1	02/07/2022 16:36	02/07/2022 22:37	T
trans-1,2-Dichloroethylene	0.00063 U	mg/Kg	0.0031	0.00063	1	02/07/2022 16:36	02/07/2022 22:37	T
trans-1,3-Dichloropropylene	0.0019 U	mg/Kg	0.0031	0.0019	1	02/07/2022 16:36	02/07/2022 22:37	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Analytical Results

Analysis Results Comments

Decachlorobiphenyl

J4|Estimated Result

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	47	46	98	69 - 134	T
Toluene-d8 (S)	ug/Kg	47	46	98	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	47	53	113	79 - 126	T
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.28	71	37 - 127	T
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.35	89	33 - 134	T
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.40	99	42 - 141	T
Nonatricontane-C39 (S)	mg/Kg	5.90	5.30	89	36 - 132	T
o-Terphenyl (S)	mg/Kg	2	1.50	77	66 - 136	T
Decachlorobiphenyl (S)	ug/Kg	76	43	**57**	63 - 130	M
Tetrachloro-m-xylene (S)	ug/Kg	150	150	99	42 - 129	M
2,4,6-Tribromophenol (S)	mg/Kg	2	2.20	108	39 - 132	T
Phenol-d6 (S)	mg/Kg	2	1.60	78	33 - 122	T
2-Fluorobiphenyl (S)	mg/Kg	2	1.50	76	44 - 115	T
2-Fluorophenol (S)	mg/Kg	2	1.50	77	35 - 115	T
Nitrobenzene-d5 (S)	mg/Kg	2	1.60	82	37 - 122	T
p-Terphenyl-d14 (S)	mg/Kg	2	1.90	94	54 - 127	T
Decachlorobiphenyl (S)	ug/Kg	76	43	**57**	61 - 147	M
Tetrachloro-m-xylene (S)	ug/Kg	150	150	99	44 - 130	M

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

QC Results

QC Batch: GCSm/1892 **Analysis Method:** EPA 8081
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202342001, T2202342002, T2202342003, T2202342004, T2202342005, T2202342006, T2202342007, T2202342008, T2202342009, T2202342010, T2202342011, T2202342012, T2202342014, T2202342015, T2202342016

Method Blank(4193683)

Parameter	Results	Units	PQL	MDL	Lab
alpha-BHC	0.00096 U	mg/Kg	0.0015	0.00096	M
gamma-BHC (Lindane)	0.00096 U	mg/Kg	0.0015	0.00096	M
beta-BHC	0.00096 U	mg/Kg	0.0015	0.00096	M
delta-BHC	0.00096 U	mg/Kg	0.0015	0.00096	M
Heptachlor	0.00096 U	mg/Kg	0.0015	0.00096	M
Aldrin	0.00096 U	mg/Kg	0.0015	0.00096	M
Heptachlor Epoxide	0.00096 U	mg/Kg	0.0015	0.00096	M
Endosulfan I	0.00096 U	mg/Kg	0.0015	0.00096	M
4,4`-DDE	0.00096 U	mg/Kg	0.0015	0.00096	M
Dieldrin	0.00096 U	mg/Kg	0.0015	0.00096	M
Endrin	0.00096 U	mg/Kg	0.0015	0.00096	M
4,4`-DDD	0.00096 U	mg/Kg	0.0015	0.00096	M
Endosulfan II	0.00096 U	mg/Kg	0.0015	0.00096	M
Endrin Aldehyde	0.00096 U	mg/Kg	0.0015	0.00096	M
4,4`-DDT	0.00096 U	mg/Kg	0.0015	0.00096	M
Endosulfan Sulfate	0.00096 U	mg/Kg	0.0015	0.00096	M
Methoxychlor	0.00096 U	mg/Kg	0.0015	0.00096	M
Chlordane (technical)	0.0088 U	mg/Kg	0.030	0.0088	M
Toxaphene	0.0095 U	mg/Kg	0.030	0.0095	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0740	0.04	**49**	63 - 130	
Tetrachloro-m-xylene (S)	mg/L	0.15	0.10	68	42 - 129	

Lab Control Sample (4193684)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
alpha-BHC	mg/Kg	0.0140	.01	90	45 - 137	M
gamma-BHC (Lindane)	mg/Kg	0.0140	.01	88	49 - 135	M
beta-BHC	mg/Kg	0.0140	.01	89	50 - 136	M
delta-BHC	mg/Kg	0.0140	.01	85	47 - 139	M

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

QC Batch: GCSm/1892 **Analysis Method:** EPA 8081
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202342001, T2202342002, T2202342003, T2202342004, T2202342005, T2202342006, T2202342007, T2202342008, T2202342009, T2202342010, T2202342011, T2202342012, T2202342014, T2202342015, T2202342016

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Heptachlor	mg/Kg	0.0140	.01	97	47 - 136	M
Aldrin	mg/Kg	0.0140	.01	96	45 - 136	M
Heptachlor Epoxide	mg/Kg	0.0140	.01	97	52 - 136	M
Endosulfan I	mg/Kg	0.0140	.01	96	53 - 132	M
4,4`-DDE	mg/Kg	0.0140	.01	80	56 - 134	M
Dieldrin	mg/Kg	0.0140	.01	93	56 - 136	M
Endrin	mg/Kg	0.0140	.01	70	57 - 140	M
4,4`-DDD	mg/Kg	0.0140	.01	85	56 - 139	M
Endosulfan II	mg/Kg	0.0140	.01	84	53 - 134	M
Endrin Aldehyde	mg/Kg	0.0140	.01	77	35 - 137	M
4,4`-DDT	mg/Kg	0.0140	.01	76	50 - 141	M
Endosulfan Sulfate	mg/Kg	0.0140	.01	84	55 - 136	M
Methoxychlor	mg/Kg	0.0140	.01	83	52 - 143	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0720	0.06	83	63 - 130	
Tetrachloro-m-xylene (S)	mg/L	0.14	0.11	78	42 - 129	

Matrix Spike (4193685); Matrix Spike Duplicate (4193686); Parent Lab Sample (M2200613001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
alpha-BHC	mg/Kg	0.0150	.01	69	45 - 137	.02	99	**33**	30	M
gamma-BHC (Lindane)	mg/Kg	0.0150	.01	72	49 - 135	.02	97	27	30	M
beta-BHC	mg/Kg	0.0150	.01	84	50 - 136	.02	110	24	30	M
delta-BHC	mg/Kg	0.0150	.01	**25**	47 - 139	.01	**34**	22	30	M
Heptachlor	mg/Kg	0.0150	.01	77	47 - 136	.02	102	25	30	M
Aldrin	mg/Kg	0.0150	.01	81	45 - 136	.02	104	23	30	M
Heptachlor Epoxide	mg/Kg	0.0150	.01	80	52 - 136	.02	104	23	30	M
Endosulfan I	mg/Kg	0.0150	.01	92	53 - 132	.02	119	22	30	M
4,4`-DDE	mg/Kg	0.0150	.01	69	56 - 134	.02	96	27	30	M
Dieldrin	mg/Kg	0.0150	.01	85	56 - 136	.02	112	25	30	M
Endrin	mg/Kg	0.0150	.01	82	57 - 140	.02	108	24	30	M
4,4`-DDD	mg/Kg	0.0150	.01	93	56 - 139	.02	119	22	30	M
Endosulfan II	mg/Kg	0.0150	.01	80	53 - 134	.02	106	25	30	M
Endrin Aldehyde	mg/Kg	0.0150	.01	79	35 - 137	.02	110	30	30	M

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

QC Batch: GCSm/1892 **Analysis Method:** EPA 8081
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202342001, T2202342002, T2202342003, T2202342004, T2202342005, T2202342006, T2202342007, T2202342008, T2202342009, T2202342010, T2202342011, T2202342012, T2202342014, T2202342015, T2202342016

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
4,4`-DDT	mg/Kg	0.0150	.01	86	50 - 141	.02	112	24	30	M
Endosulfan Sulfate	mg/Kg	0.0150	.01	66	55 - 136	.01	90	28	30	M
Methoxychlor	mg/Kg	0.0150	.01	94	52 - 143	.02	121	23	30	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Decachlorobiphenyl (S)	mg/L	0.0770	0.04	**55**	63 - 130	0.06	77	30		
Tetrachloro-m-xylene (S)	mg/L	0.15	0.15	95	42 - 129	0.20	133	31		

QC Result Comments

Matrix Spike - 4193685 - delta-BHC

J4|Estimated Result

Matrix Spike Duplicate - 4193686 - 4,4`-DDE

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 4193686 - Endosulfan Sulfate

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 4193686 - Endrin Aldehyde

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 4193686 - alpha-BHC

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 4193686 - delta-BHC

J4|Estimated Result

*|MS/MSD recovery and/or RPD is out of criteria

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

QC Results

QC Batch: GCSm/1893 **Analysis Method:** SW-846 8082A
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202342001, T2202342002, T2202342003, T2202342004, T2202342005, T2202342006, T2202342007, T2202342008, T2202342009, T2202342010, T2202342011, T2202342012, T2202342014, T2202342015, T2202342016

Method Blank(4193853)

Parameter	Results	Units	PQL	MDL	Lab
Aroclor 1016 (PCB-1016)	0.018 U	mg/Kg	0.030	0.018	M
Aroclor 1221 (PCB-1221)	0.021 U	mg/Kg	0.030	0.021	M
Aroclor 1232 (PCB-1232)	0.028 U	mg/Kg	0.030	0.028	M
Aroclor 1242 (PCB-1242)	0.022 U	mg/Kg	0.030	0.022	M
Aroclor 1248 (PCB-1248)	0.011 U	mg/Kg	0.030	0.011	M
Aroclor 1254 (PCB-1254)	0.0059 U	mg/Kg	0.030	0.0059	M
Aroclor 1260 (PCB-1260)	0.036 U	mg/Kg	0.059	0.036	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0740	0.04	**49**	61 - 147	
Tetrachloro-m-xylene (S)	mg/L	0.15	0.10	68	44 - 130	

Lab Control Sample (4193854); Lab Control Sample Duplicate (4196927)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Aroclor 1016 (PCB-1016)	mg/Kg	0.14	.15	100	47 - 134	.2	125	31		M
Aroclor 1260 (PCB-1260)	mg/Kg	0.14	.17	120	53 - 140	.22	140	25		M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Decachlorobiphenyl (S)	mg/L	0.0720	0.05	66	61 - 147	0.06	70	15		
Tetrachloro-m-xylene (S)	mg/L	0.14	0.13	92	44 - 130	0.16	104	21		

Matrix Spike (4193855); Parent Lab Sample (T2202342001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Aroclor 1016 (PCB-1016)	mg/Kg	0.15	.15	99	47 - 134	M
Aroclor 1260 (PCB-1260)	mg/Kg	0.15	.2	126	53 - 140	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0770	0.05	67	61 - 147	
Tetrachloro-m-xylene (S)	mg/L	0.15	0.17	108	44 - 130	

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

QC Results

QC Batch: GCSm/1896
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202342013
Analysis Method: EPA 8081

Method Blank(4194826)

Parameter	Results	Units	PQL	MDL	Lab
alpha-BHC	0.0010 U	mg/Kg	0.0016	0.0010	M
gamma-BHC (Lindane)	0.0010 U	mg/Kg	0.0016	0.0010	M
beta-BHC	0.0010 U	mg/Kg	0.0016	0.0010	M
delta-BHC	0.0010 U	mg/Kg	0.0016	0.0010	M
Heptachlor	0.0010 U	mg/Kg	0.0016	0.0010	M
Aldrin	0.0010 U	mg/Kg	0.0016	0.0010	M
Heptachlor Epoxide	0.0010 U	mg/Kg	0.0016	0.0010	M
Endosulfan I	0.0010 U	mg/Kg	0.0016	0.0010	M
4,4`-DDE	0.0010 U	mg/Kg	0.0016	0.0010	M
Dieldrin	0.0010 U	mg/Kg	0.0016	0.0010	M
Endrin	0.0010 U	mg/Kg	0.0016	0.0010	M
4,4`-DDD	0.0010 U	mg/Kg	0.0016	0.0010	M
Endosulfan II	0.0010 U	mg/Kg	0.0016	0.0010	M
Endrin Aldehyde	0.0010 U	mg/Kg	0.0016	0.0010	M
4,4`-DDT	0.0010 U	mg/Kg	0.0016	0.0010	M
Endosulfan Sulfate	0.0010 U	mg/Kg	0.0016	0.0010	M
Methoxychlor	0.0010 U	mg/Kg	0.0016	0.0010	M
Chlordane (technical)	0.0094 U	mg/Kg	0.032	0.0094	M
Toxaphene	0.010 U	mg/Kg	0.032	0.010	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0790	0.05	**59**	63 - 130	
Tetrachloro-m-xylene (S)	mg/L	0.16	0.13	81	42 - 129	

Lab Control Sample (4194827)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
alpha-BHC	mg/Kg	0.0150	.01	90	45 - 137	M
gamma-BHC (Lindane)	mg/Kg	0.0150	.01	88	49 - 135	M
beta-BHC	mg/Kg	0.0150	.01	89	50 - 136	M
delta-BHC	mg/Kg	0.0150	.01	85	47 - 139	M
Heptachlor	mg/Kg	0.0150	.02	97	47 - 136	M
Aldrin	mg/Kg	0.0150	.02	96	45 - 136	M

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

QC Batch: GCSm/1896
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202342013

Analysis Method: EPA 8081

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Heptachlor Epoxide	mg/Kg	0.0150	.02	97	52 - 136	M
Endosulfan I	mg/Kg	0.0150	.02	96	53 - 132	M
4,4`-DDE	mg/Kg	0.0150	.01	80	56 - 134	M
Dieldrin	mg/Kg	0.0150	.01	93	56 - 136	M
Endrin	mg/Kg	0.0150	.01	70	57 - 140	M
4,4`-DDD	mg/Kg	0.0150	.01	85	56 - 139	M
Endosulfan II	mg/Kg	0.0150	.01	84	53 - 134	M
Endrin Aldehyde	mg/Kg	0.0150	.01	77	35 - 137	M
4,4`-DDT	mg/Kg	0.0150	.01	76	50 - 141	M
Endosulfan Sulfate	mg/Kg	0.0150	.01	84	55 - 136	M
Methoxychlor	mg/Kg	0.0150	.01	83	52 - 143	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0770	0.06	83	63 - 130	
Tetrachloro-m-xylene (S)	mg/L	0.15	0.12	78	42 - 129	

Matrix Spike (4194828); Matrix Spike Duplicate (4194829); Parent Lab Sample (T2202524001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
alpha-BHC	mg/Kg	0.0160	.01	84	45 - 137	.01	83	3	30	M
gamma-BHC (Lindane)	mg/Kg	0.0160	.01	79	49 - 135	.01	79	2	30	M
beta-BHC	mg/Kg	0.0160	.02	104	50 - 136	.02	102	4	30	M
delta-BHC	mg/Kg	0.0160	.01	**35**	47 - 139	0	**24**	**39**	30	M
Heptachlor	mg/Kg	0.0160	.01	92	47 - 136	.01	94	0	30	M
Aldrin	mg/Kg	0.0160	.02	98	45 - 136	.02	97	4	30	M
Heptachlor Epoxide	mg/Kg	0.0160	.01	91	52 - 136	.01	92	2	30	M
Endosulfan I	mg/Kg	0.0160	.02	106	53 - 132	.02	105	3	30	M
4,4`-DDE	mg/Kg	0.0160	.02	64	56 - 134	.02	63	3	30	M
Dieldrin	mg/Kg	0.0160	.02	88	56 - 136	.02	89	1	30	M
Endrin	mg/Kg	0.0160	.02	82	57 - 140	.02	81	4	30	M
4,4`-DDD	mg/Kg	0.0160	.02	114	56 - 139	.02	114	2	30	M
Endosulfan II	mg/Kg	0.0160	.01	91	53 - 134	.01	90	3	30	M
Endrin Aldehyde	mg/Kg	0.0160	.01	72	35 - 137	.01	71	4	30	M
4,4`-DDT	mg/Kg	0.0160	.01	**0**	50 - 141	.01	**-4**	4	30	M
Endosulfan Sulfate	mg/Kg	0.0160	.01	76	55 - 136	.01	73	7	30	M

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

QC Batch: GCSm/1896
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202342013

Analysis Method: EPA 8081

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Methoxychlor	mg/Kg	0.0160	.02	99	52 - 143	.01	86	17	30	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Decachlorobiphenyl (S)	mg/L	0.0790	0.06	77	63 - 130	0.05	69	14		
Tetrachloro-m-xylene (S)	mg/L	0.16	0.20	125	42 - 129	0.19	122	5		

QC Result Comments

Matrix Spike - 4194828 - 4,4`-DDT

J4|Estimated Result

Matrix Spike - 4194828 - delta-BHC

J4|Estimated Result

Matrix Spike Duplicate - 4194829 - 4,4`-DDT

J4|Estimated Result

Matrix Spike Duplicate - 4194829 - delta-BHC

J4|Estimated Result

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

QC Results

QC Batch: GCSm/1897
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202342013
Analysis Method: SW-846 8082A

Method Blank(4194845)

Parameter	Results	Units	PQL	MDL	Lab
Aroclor 1016 (PCB-1016)	0.019 U	mg/Kg	0.032	0.019	M
Aroclor 1221 (PCB-1221)	0.022 U	mg/Kg	0.032	0.022	M
Aroclor 1232 (PCB-1232)	0.030 U	mg/Kg	0.032	0.030	M
Aroclor 1242 (PCB-1242)	0.024 U	mg/Kg	0.032	0.024	M
Aroclor 1248 (PCB-1248)	0.011 U	mg/Kg	0.032	0.011	M
Aroclor 1254 (PCB-1254)	0.0064 U	mg/Kg	0.032	0.0064	M
Aroclor 1260 (PCB-1260)	0.038 U	mg/Kg	0.064	0.038	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0790	0.05	**59**	61 - 147	
Tetrachloro-m-xylene (S)	mg/L	0.16	0.13	81	44 - 130	

Lab Control Sample (4194846)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Aroclor 1016 (PCB-1016)	mg/Kg	0.15	.17	109	47 - 134	M
Aroclor 1260 (PCB-1260)	mg/Kg	0.15	.19	122	53 - 140	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0770	0.06	81	61 - 147	
Tetrachloro-m-xylene (S)	mg/L	0.15	0.18	117	44 - 130	

Matrix Spike (4194847); Matrix Spike Duplicate (4194848); Parent Lab Sample (T2202524001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Aroclor 1016 (PCB-1016)	mg/Kg	0.16	.19	118	47 - 134	.17	108	11		M
Aroclor 1260 (PCB-1260)	mg/Kg	0.16	.21	136	53 - 140	.13	87	47		M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Decachlorobiphenyl (S)	mg/L	0.0790	0.06	72	61 - 147	0.04	54	31		
Tetrachloro-m-xylene (S)	mg/L	0.16	0.19	118	44 - 130	0.12	79	42		

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

QC Results

QC Batch: GCSt/2034 **Analysis Method:** FL-PRO
Preparation Method: FL-PRO
Associated Lab IDs: T2202342001, T2202342002, T2202342003, T2202342004, T2202342005, T2202342006, T2202342007, T2202342008, T2202342009, T2202342010, T2202342011, T2202342012

Method Blank(4191635)

Parameter	Results	Units	PQL	MDL	Lab
TPH	4.8 U	mg/Kg	14	4.8	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Nonatricontane-C39 (S)	mg/L	6	5.90	99	36 - 132	
o-Terphenyl (S)	mg/L	2	1.60	81	66 - 136	

Lab Control Sample (4191636)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
TPH	mg/Kg	34	36	105	49 - 128	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Nonatricontane-C39 (S)	mg/L	6	6.10	101	36 - 132	
o-Terphenyl (S)	mg/L	2	1.60	81	66 - 136	

Matrix Spike (4191637); Matrix Spike Duplicate (4191638); Parent Lab Sample (T2202338001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
TPH	mg/Kg	34	92	89	49 - 128	99	109	7	25	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	6	5.60	94	36 - 132	6	100	7	25	
o-Terphenyl (S)	mg/L	2	1.90	96	66 - 136	1.90	94	1	25	

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

QC Results

QC Batch: GCSt/2039 **Analysis Method:** FL-PRO
Preparation Method: FL-PRO
Associated Lab IDs: T2202342013, T2202342014, T2202342015, T2202342016

Method Blank(4195774)

Parameter	Results	Units	PQL	MDL	Lab
TPH	4.8 U	mg/Kg	14	4.8	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Nonatricontane-C39 (S)	mg/L	6	4.30	72	36 - 132	
o-Terphenyl (S)	mg/L	2	1.60	82	66 - 136	

Lab Control Sample (4195775)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
TPH	mg/Kg	34	30	88	49 - 128	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Nonatricontane-C39 (S)	mg/L	6	5.20	87	36 - 132	
o-Terphenyl (S)	mg/L	2	1.60	82	66 - 136	

Matrix Spike (4195776); Matrix Spike Duplicate (4195777); Parent Lab Sample (T2202524001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
TPH	mg/Kg	34	40	60	49 - 128	51	92	24	25	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	6	5.10	86	36 - 132	5.80	97	12	25	
o-Terphenyl (S)	mg/L	2	1.40	70	66 - 136	1.60	78	10	25	

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

QC Results

QC Batch: ICPt/2337
Preparation Method: SW-846 3050B
Associated Lab IDs: T2202342001
Analysis Method: SW-846 6010

Method Blank(4197447)

Parameter	Results	Units	PQL	MDL	Lab
Arsenic	0.12 U	mg/Kg	0.25	0.12	T
Cadmium	0.025 U	mg/Kg	0.050	0.025	T
Chromium	0.20 U	mg/Kg	0.25	0.20	T
Lead	0.12 U	mg/Kg	0.25	0.12	T

Lab Control Sample (4197448)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Arsenic	mg/Kg	25	22	89	80 - 120	T
Cadmium	mg/Kg	2.50	2.4	96	80 - 120	T
Chromium	mg/Kg	25	24	97	80 - 120	T
Lead	mg/Kg	25	24	95	80 - 120	T

Matrix Spike (4197449); Matrix Spike Duplicate (4197450); Parent Lab Sample (T2202228001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Arsenic	mg/Kg	26	27	97	75 - 125	26	97	2	20	T
Cadmium	mg/Kg	2.60	2.9	111	75 - 125	2.8	111	2	20	T
Chromium	mg/Kg	26	35	102	75 - 125	34	102	2	20	T
Lead	mg/Kg	26	65	106	75 - 125	64	102	2	20	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

QC Results

QC Batch: ICPt/2338 **Analysis Method:** SW-846 6010
Preparation Method: SW-846 3050B
Associated Lab IDs: T2202342002, T2202342003, T2202342004, T2202342005, T2202342006, T2202342007, T2202342008, T2202342009, T2202342010, T2202342011, T2202342012, T2202342013, T2202342014, T2202342015, T2202342016

Method Blank(4197462)

Parameter	Results	Units	PQL	MDL	Lab
Arsenic	0.12 U	mg/Kg	0.25	0.12	T
Cadmium	0.025 U	mg/Kg	0.050	0.025	T
Chromium	0.20 U	mg/Kg	0.25	0.20	T
Lead	0.12 U	mg/Kg	0.25	0.12	T

Lab Control Sample (4197463)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Arsenic	mg/Kg	25	24	94	80 - 120	T
Cadmium	mg/Kg	2.50	2.5	102	80 - 120	T
Chromium	mg/Kg	25	26	103	80 - 120	T
Lead	mg/Kg	25	25	101	80 - 120	T

Matrix Spike (4197464); Matrix Spike Duplicate (4197465); Parent Lab Sample (T2202342002)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Arsenic	mg/Kg	26	26	78	75 - 125	24	**73**	8	20	T
Cadmium	mg/Kg	2.60	3	84	75 - 125	2.8	79	7	20	T
Chromium	mg/Kg	26	32	83	75 - 125	30	77	7	20	T
Lead	mg/Kg	26	84	**71**	75 - 125	79	**53**	6	20	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

QC Results

QC Batch: MSSt/1663 **Analysis Method:** SW-846 8270C (SIM)
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202342001, T2202342002, T2202342003, T2202342004, T2202342005, T2202342006, T2202342007, T2202342008, T2202342009, T2202342010, T2202342011, T2202342012

Method Blank(4191582)

Parameter	Results	Units	PQL	MDL	Lab
Naphthalene	0.0016 U	mg/Kg	0.0080	0.0016	T
2-Methylnaphthalene	0.0020 U	mg/Kg	0.0080	0.0020	T
1-Methylnaphthalene	0.0015 U	mg/Kg	0.0080	0.0015	T
Acenaphthylene	0.0017 U	mg/Kg	0.0080	0.0017	T
Acenaphthene	0.0015 U	mg/Kg	0.0080	0.0015	T
Fluorene	0.0021 U	mg/Kg	0.0080	0.0021	T
Phenanthrene	0.0021 U	mg/Kg	0.0080	0.0021	T
Anthracene	0.0024 U	mg/Kg	0.0080	0.0024	T
Fluoranthene	0.0027 U	mg/Kg	0.0080	0.0027	T
Pyrene	0.0023 U	mg/Kg	0.0080	0.0023	T
Benzo[a]anthracene	0.0019 U	mg/Kg	0.0080	0.0019	T
Chrysene	0.0028 U	mg/Kg	0.0080	0.0028	T
Benzo[b]fluoranthene	0.0015 U	mg/Kg	0.0080	0.0015	T
Benzo[k]fluoranthene	0.0023 U	mg/Kg	0.0080	0.0023	T
Benzo[a]pyrene	0.0016 U	mg/Kg	0.0080	0.0016	T
Indeno(1,2,3-cd)pyrene	0.0023 U	mg/Kg	0.0080	0.0023	T
Dibenzo[a,h]anthracene	0.0016 U	mg/Kg	0.0080	0.0016	T
Benzo[g,h,i]perylene	0.0019 U	mg/Kg	0.0080	0.0019	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2-Fluorobiphenyl (S)	mg/L	0.40	0.33	83	37 - 127	
Nitrobenzene-d5 (S)	mg/L	0.40	0.39	98	33 - 134	
p-Terphenyl-d14 (S)	mg/L	0.40	0.42	105	42 - 141	

Lab Control Sample (4191583)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Naphthalene	mg/Kg	0.20	.14	71	38 - 120	T
2-Methylnaphthalene	mg/Kg	0.20	.18	88	39 - 120	T
1-Methylnaphthalene	mg/Kg	0.20	.17	83	43 - 120	T
Acenaphthylene	mg/Kg	0.20	.15	77	39 - 118	T
Acenaphthene	mg/Kg	0.20	.17	86	44 - 117	T
Fluorene	mg/Kg	0.20	.15	77	47 - 121	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

QC Batch: MSSt/1663 **Analysis Method:** SW-846 8270C (SIM)
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202342001, T2202342002, T2202342003, T2202342004, T2202342005, T2202342006, T2202342007, T2202342008, T2202342009, T2202342010, T2202342011, T2202342012

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Phenanthrene	mg/Kg	0.20	.16	81	49 - 122	T
Anthracene	mg/Kg	0.20	.17	86	50 - 123	T
Fluoranthene	mg/Kg	0.20	.16	80	51 - 126	T
Pyrene	mg/Kg	0.20	.18	92	51 - 127	T
Benzo[a]anthracene	mg/Kg	0.20	.18	89	52 - 126	T
Chrysene	mg/Kg	0.20	.18	89	52 - 128	T
Benzo[b]fluoranthene	mg/Kg	0.20	.16	81	43 - 132	T
Benzo[k]fluoranthene	mg/Kg	0.20	.16	81	46 - 133	T
Benzo[a]pyrene	mg/Kg	0.20	.15	75	42 - 129	T
Indeno(1,2,3-cd)pyrene	mg/Kg	0.20	.18	91	39 - 135	T
Dibenzo[a,h]anthracene	mg/Kg	0.20	.19	93	40 - 139	T
Benzo[g,h,i]perylene	mg/Kg	0.20	.19	95	41 - 133	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2-Fluorobiphenyl (S)	mg/L	0.40	0.29	72	37 - 127	
Nitrobenzene-d5 (S)	mg/L	0.40	0.35	88	33 - 134	
p-Terphenyl-d14 (S)	mg/L	0.40	0.34	84	42 - 141	

Matrix Spike (4191584); Matrix Spike Duplicate (4191585); Parent Lab Sample (T2202338001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Naphthalene	mg/Kg	0.20	.14	70	38 - 120	.12	62	13	30	T
2-Methylnaphthalene	mg/Kg	0.20	.17	86	39 - 120	.15	77	11	30	T
1-Methylnaphthalene	mg/Kg	0.20	.16	81	43 - 120	.14	73	11	30	T
Acenaphthylene	mg/Kg	0.20	.15	76	39 - 118	.14	72	6	30	T
Acenaphthene	mg/Kg	0.20	.16	83	44 - 117	.16	78	6	30	T
Fluorene	mg/Kg	0.20	.15	76	47 - 121	.15	74	3	30	T
Phenanthrene	mg/Kg	0.20	.16	81	49 - 122	.16	80	3	30	T
Anthracene	mg/Kg	0.20	.18	89	50 - 123	.17	88	2	30	T
Fluoranthene	mg/Kg	0.20	.17	83	51 - 126	.17	84	1	30	T
Pyrene	mg/Kg	0.20	.18	90	51 - 127	.18	92	1	30	T
Benzo[a]anthracene	mg/Kg	0.20	.18	92	52 - 126	.19	94	2	30	T
Chrysene	mg/Kg	0.20	.17	87	52 - 128	.18	90	3	30	T
Benzo[b]fluoranthene	mg/Kg	0.20	.15	77	43 - 132	.16	81	6	30	T
Benzo[k]fluoranthene	mg/Kg	0.20	.15	77	46 - 133	.16	81	5	30	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

QC Batch: MSSt/1663 **Analysis Method:** SW-846 8270C (SIM)
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202342001, T2202342002, T2202342003, T2202342004, T2202342005, T2202342006, T2202342007, T2202342008, T2202342009, T2202342010, T2202342011, T2202342012

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Benzo[a]pyrene	mg/Kg	0.20	.14	72	42 - 129	.15	76	4	30	T
Indeno(1,2,3-cd)pyrene	mg/Kg	0.20	.17	86	39 - 135	.18	90	4	30	T
Dibenzo[a,h]anthracene	mg/Kg	0.20	.17	86	40 - 139	.18	90	3	30	T
Benzo[g,h,i]perylene	mg/Kg	0.20	.17	88	41 - 133	.18	92	4	30	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
2-Fluorobiphenyl (S)	mg/L	0.40	0.27	68	37 - 127	0.25	63	8	30	
Nitrobenzene-d5 (S)	mg/L	0.40	0.34	84	33 - 134	0.30	76	11	30	
p-Terphenyl-d14 (S)	mg/L	0.40	0.33	83	42 - 141	0.33	84	0	30	

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

QC Results

QC Batch: MSSt/1667 **Analysis Method:** SW-846 8270C
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202342001, T2202342002, T2202342003, T2202342004, T2202342005, T2202342006, T2202342007, T2202342008, T2202342009, T2202342010, T2202342011, T2202342012, T2202342013, T2202342014, T2202342015, T2202342016

Method Blank(4194355)

Parameter	Results	Units	PQL	MDL	Lab
Phenol	0.039 U	mg/Kg	0.20	0.039	T
2-Chlorophenol	0.036 U	mg/Kg	0.20	0.036	T
2-Nitrophenol	0.044 U	mg/Kg	0.20	0.044	T
2,4-Dimethylphenol	0.042 U	mg/Kg	0.20	0.042	T
2,4-Dichlorophenol	0.042 U	mg/Kg	0.20	0.042	T
4-Chloro-3-methylphenol	0.042 U	mg/Kg	0.20	0.042	T
2,4,6-Trichlorophenol	0.037 U	mg/Kg	0.20	0.037	T
2,4-Dinitrophenol	0.12 U	mg/Kg	0.20	0.12	T
4-Nitrophenol	0.056 U	mg/Kg	0.20	0.056	T
2-Methyl-4,6-dinitrophenol	0.045 U	mg/Kg	0.20	0.045	T
Pentachlorophenol	0.067 U	mg/Kg	0.20	0.067	T
N-Nitrosodimethylamine	0.0090 U	mg/Kg	0.20	0.0090	T
bis(2-Chloroethyl)Ether	0.041 U	mg/Kg	0.20	0.041	T
1,3-Dichlorobenzene	0.021 U	mg/Kg	0.20	0.021	T
1,4-Dichlorobenzene	0.045 U	mg/Kg	0.20	0.045	T
1,2-Dichlorobenzene	0.040 U	mg/Kg	0.20	0.040	T
bis(2-Chloroisopropyl) Ether	0.037 U	mg/Kg	0.20	0.037	T
N-Nitrosodi-n-propylamine	0.036 U	mg/Kg	0.20	0.036	T
Hexachloroethane	0.028 U	mg/Kg	0.20	0.028	T
Nitrobenzene	0.048 U	mg/Kg	0.20	0.048	T
Isophorone	0.022 U	mg/Kg	0.20	0.022	T
bis(2-Chloroethoxy)methane	0.029 U	mg/Kg	0.20	0.029	T
1,2,4-Trichlorobenzene	0.030 U	mg/Kg	0.20	0.030	T
Naphthalene	0.0048 U	mg/Kg	0.20	0.0048	T
Hexachlorobutadiene	0.033 U	mg/Kg	0.20	0.033	T
2-Methylnaphthalene	0.0048 U	mg/Kg	0.20	0.0048	T
1-Methylnaphthalene	0.0039 U	mg/Kg	0.20	0.0039	T
Hexachlorocyclopentadiene	0.033 U	mg/Kg	0.20	0.033	T
2-Chloronaphthalene	0.039 U	mg/Kg	0.20	0.039	T
Dimethyl phthalate	0.038 U	mg/Kg	0.20	0.038	T
2,6-Dinitrotoluene (2,6-DNT)	0.050 U	mg/Kg	0.20	0.050	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

QC Batch: MSSt/1667 **Analysis Method:** SW-846 8270C
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202342001, T2202342002, T2202342003, T2202342004, T2202342005, T2202342006, T2202342007, T2202342008, T2202342009, T2202342010, T2202342011, T2202342012, T2202342013, T2202342014, T2202342015, T2202342016

Parameter	Results	Units	PQL	MDL	Lab
Acenaphthylene	0.0051 U	mg/Kg	0.20	0.0051	T
Acenaphthene	0.0046 U	mg/Kg	0.20	0.0046	T
2,4-Dinitrotoluene (2,4-DNT)	0.063 U	mg/Kg	0.20	0.063	T
Diethyl phthalate	0.039 U	mg/Kg	0.20	0.039	T
Fluorene	0.0044 U	mg/Kg	0.20	0.0044	T
4-Chlorophenyl Phenyl Ether	0.044 U	mg/Kg	0.20	0.044	T
1,2-Diphenylhydrazine	0.077 U	mg/Kg	0.20	0.077	T
4-Bromophenyl Phenyl Ether	0.051 U	mg/Kg	0.20	0.051	T
Hexachlorobenzene	0.059 U	mg/Kg	0.20	0.059	T
Phenanthrene	0.0057 U	mg/Kg	0.20	0.0057	T
Anthracene	0.0050 U	mg/Kg	0.20	0.0050	T
Di-n-Butyl Phthalate	0.042 U	mg/Kg	0.20	0.042	T
Fluoranthene	0.048 U	mg/Kg	0.20	0.048	T
Benzidine	0.040 U	mg/Kg	0.20	0.040	T
Pyrene	0.0043 U	mg/Kg	0.20	0.0043	T
Butyl benzyl phthalate	0.028 U	mg/Kg	0.20	0.028	T
Benzo[a]anthracene	0.0046 U	mg/Kg	0.20	0.0046	T
3,3`-Dichlorobenzidine	0.027 U	mg/Kg	0.20	0.027	T
Chrysene	0.0051 U	mg/Kg	0.20	0.0051	T
bis(2-Ethylhexyl) phthalate	0.031 U	mg/Kg	0.20	0.031	T
Di-n-octyl Phthalate	0.026 U	mg/Kg	0.20	0.026	T
Benzo[b]fluoranthene	0.0064 U	mg/Kg	0.20	0.0064	T
Benzo[k]fluoranthene	0.0067 U	mg/Kg	0.20	0.0067	T
Benzo[a]pyrene	0.0043 U	mg/Kg	0.20	0.0043	T
Indeno(1,2,3-cd)pyrene	0.0039 U	mg/Kg	0.20	0.0039	T
Dibenzo[a,h]anthracene	0.0038 U	mg/Kg	0.20	0.0038	T
Benzo[g,h,i]perylene	0.0037 U	mg/Kg	0.20	0.0037	T
N-Nitrosodiphenylamine	0.026 U	mg/Kg	0.20	0.026	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2,4,6-Tribromophenol (S)	mg/L	2	2	101	39 - 132	
2-Fluorobiphenyl (S)	mg/L	2	1.60	82	44 - 115	
2-Fluorophenol (S)	mg/L	2	1.70	87	35 - 115	

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

QC Batch: MSSt/1667 **Analysis Method:** SW-846 8270C
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202342001, T2202342002, T2202342003, T2202342004, T2202342005, T2202342006, T2202342007, T2202342008, T2202342009, T2202342010, T2202342011, T2202342012, T2202342013, T2202342014, T2202342015, T2202342016

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Nitrobenzene-d5 (S)	mg/L	2	1.90	93	37 - 122	
Phenol-d6 (S)	mg/L	2	1.70	87	33 - 122	
p-Terphenyl-d14 (S)	mg/L	2	2	101	54 - 127	

Lab Control Sample (4194356)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
N-Nitrosodimethylamine	mg/Kg	1.60	1.3	84		T
Phenol	mg/Kg	1.60	1.4	86	34 - 121	T
bis(2-Chloroethyl)Ether	mg/Kg	1.60	1.4	86		T
2-Chlorophenol	mg/Kg	1.60	1.4	90		T
1,3-Dichlorobenzene	mg/Kg	1.60	1.3	84		T
1,4-Dichlorobenzene	mg/Kg	1.60	1.3	83	37 - 132	T
1,2-Dichlorobenzene	mg/Kg	1.60	1.4	85		T
bis(2-Chloroisopropyl) Ether	mg/Kg	1.60	1.6	97		T
N-Nitrosodi-n-propylamine	mg/Kg	1.60	1.4	89		T
Hexachloroethane	mg/Kg	1.60	1.4	91	28 - 117	T
Nitrobenzene	mg/Kg	1.60	1.6	99	34 - 122	T
Isophorone	mg/Kg	1.60	1.4	84		T
2-Nitrophenol	mg/Kg	1.60	1.7	108		T
2,4-Dimethylphenol	mg/Kg	1.60	1.4	88		T
bis(2-Chloroethoxy)methane	mg/Kg	1.60	1.3	83		T
2,4-Dichlorophenol	mg/Kg	1.60	1.4	88	40 - 122	T
1,2,4-Trichlorobenzene	mg/Kg	1.60	1.3	83		T
Naphthalene	mg/Kg	1.60	1.3	80		T
Hexachlorobutadiene	mg/Kg	1.60	1.4	85	32 - 123	T
4-Chloro-3-methylphenol	mg/Kg	1.60	1.4	90	45 - 122	T
2-Methylnaphthalene	mg/Kg	1.60	1.3	78		T
1-Methylnaphthalene	mg/Kg	1.60	1.3	81		T
Hexachlorocyclopentadiene	mg/Kg	1.60	1.1	70		T
2,4,6-Trichlorophenol	mg/Kg	1.60	1.6	102	39 - 126	T
2-Chloronaphthalene	mg/Kg	1.60	1.1	68		T
Dimethyl phthalate	mg/Kg	1.60	1.5	95		T
2,6-Dinitrotoluene (2,6-DNT)	mg/Kg	1.60	1.8	110		T
Acenaphthylene	mg/Kg	1.60	1.5	95		T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

QC Batch: MSSt/1667 **Analysis Method:** SW-846 8270C
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202342001, T2202342002, T2202342003, T2202342004, T2202342005, T2202342006, T2202342007, T2202342008, T2202342009, T2202342010, T2202342011, T2202342012, T2202342013, T2202342014, T2202342015, T2202342016

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Acenaphthene	mg/Kg	1.60	1.4	88	40 - 123	T
2,4-Dinitrophenol	mg/Kg	1.60	1.4	86		T
2,4-Dinitrotoluene (2,4-DNT)	mg/Kg	1.60	1.7	108	48 - 126	T
4-Nitrophenol	mg/Kg	1.60	1.7	104		T
Diethyl phthalate	mg/Kg	1.60	1.5	94		T
Fluorene	mg/Kg	1.60	1.5	93	43 - 125	T
4-Chlorophenyl Phenyl Ether	mg/Kg	1.60	1.4	89		T
2-Methyl-4,6-dinitrophenol	mg/Kg	1.60	1.8	112		T
N-Nitrosodiphenylamine	mg/Kg	1.60	1.3	82		T
1,2-Diphenylhydrazine	mg/Kg	1.60	1.7	105		T
4-Bromophenyl Phenyl Ether	mg/Kg	1.60	1.5	96		T
Hexachlorobenzene	mg/Kg	1.60	1.5	95	45 - 122	T
Pentachlorophenol	mg/Kg	1.60	1.3	80	25 - 133	T
Phenanthrene	mg/Kg	1.60	1.4	88		T
Anthracene	mg/Kg	1.60	1.5	92		T
Di-n-Butyl Phthalate	mg/Kg	1.60	1.6	100		T
Fluoranthene	mg/Kg	1.60	1.5	92	50 - 127	T
Pyrene	mg/Kg	1.60	1.6	98		T
Butyl benzyl phthalate	mg/Kg	1.60	1.8	110		T
Benzo[a]anthracene	mg/Kg	1.60	1.6	99		T
Chrysene	mg/Kg	1.60	1.5	92		T
bis(2-Ethylhexyl) phthalate	mg/Kg	1.60	1.7	107	51 - 133	T
Di-n-octyl Phthalate	mg/Kg	1.60	1.8	115		T
Benzo[b]fluoranthene	mg/Kg	1.60	1.5	97		T
Benzo[k]fluoranthene	mg/Kg	1.60	1.6	100		T
Benzo[a]pyrene	mg/Kg	1.60	1.6	102	45 - 129	T
Indeno(1,2,3-cd)pyrene	mg/Kg	1.60	1.7	103		T
Dibenzo[a,h]anthracene	mg/Kg	1.60	1.6	100		T
Benzo[g,h,i]perylene	mg/Kg	1.60	1.6	100		T
Benzidine	mg/Kg	1.60	.58	37		T
3,3`-Dichlorobenzidine	mg/Kg	1.60	1.3	81		T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

QC Batch: MSSt/1667 **Analysis Method:** SW-846 8270C
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202342001, T2202342002, T2202342003, T2202342004, T2202342005, T2202342006, T2202342007, T2202342008, T2202342009, T2202342010, T2202342011, T2202342012, T2202342013, T2202342014, T2202342015, T2202342016

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2,4,6-Tribromophenol (S)	mg/L	2	2.10	106	39 - 132	
2-Fluorobiphenyl (S)	mg/L	2	1.80	89	44 - 115	
2-Fluorophenol (S)	mg/L	2	1.80	88	35 - 115	
Nitrobenzene-d5 (S)	mg/L	2	2	99	37 - 122	
Phenol-d6 (S)	mg/L	2	1.70	87	33 - 122	
p-Terphenyl-d14 (S)	mg/L	2	2	99	54 - 127	

Matrix Spike (4194358); Matrix Spike Duplicate (4194359); Parent Lab Sample (T2202342005)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
N-Nitrosodimethylamine	mg/Kg	1.60	1.3	83		1.5	95	13	30	T
Phenol	mg/Kg	1.60	1.4	90	34 - 121	1.4	90	0	30	T
bis(2-Chloroethyl)Ether	mg/Kg	1.60	1.4	90		1.5	92	2	30	T
2-Chlorophenol	mg/Kg	1.60	1.4	89		1.5	93	4	30	T
1,3-Dichlorobenzene	mg/Kg	1.60	1.3	82		1.4	86	4	30	T
1,4-Dichlorobenzene	mg/Kg	1.60	1.4	87	37 - 132	1.4	88	0	30	T
1,2-Dichlorobenzene	mg/Kg	1.60	1.4	87		1.4	89	3	30	T
bis(2-Chloroisopropyl) Ethe	mg/Kg	1.60	1.6	99		1.6	100	1	30	T
N-Nitrosodi-n-propylamine	mg/Kg	1.60	1.4	89		1.5	93	4	30	T
Hexachloroethane	mg/Kg	1.60	1.5	91	28 - 117	1.5	93	2	30	T
Nitrobenzene	mg/Kg	1.60	1.7	105	34 - 122	1.7	104	0	30	T
Isophorone	mg/Kg	1.60	1.4	90		1.4	89	1	30	T
2-Nitrophenol	mg/Kg	1.60	1.8	110		1.8	111	1	30	T
2,4-Dimethylphenol	mg/Kg	1.60	1.5	93		1.4	90	3	30	T
bis(2-Chloroethoxy)methan	mg/Kg	1.60	1.4	87		1.4	85	2	30	T
2,4-Dichlorophenol	mg/Kg	1.60	1.5	94	40 - 122	1.5	95	2	30	T
1,2,4-Trichlorobenzene	mg/Kg	1.60	1.4	88		1.4	86	3	30	T
Naphthalene	mg/Kg	1.60	1.4	86		1.4	85	1	30	T
Hexachlorobutadiene	mg/Kg	1.60	1.4	88	32 - 123	1.4	87	2	30	T
4-Chloro-3-methylphenol	mg/Kg	1.60	1.5	96	45 - 122	1.6	99	3	30	T
2-Methylnaphthalene	mg/Kg	1.60	1.3	84		1.3	84	0	30	T
1-Methylnaphthalene	mg/Kg	1.60	1.4	87		1.4	89	2	30	T
Hexachlorocyclopentadiene	mg/Kg	1.60	1.2	73		1.3	79	7	30	T
2,4,6-Trichlorophenol	mg/Kg	1.60	1.6	98	39 - 126	1.6	103	5	30	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

QC Batch: MSSt/1667 **Analysis Method:** SW-846 8270C
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202342001, T2202342002, T2202342003, T2202342004, T2202342005, T2202342006, T2202342007, T2202342008, T2202342009, T2202342010, T2202342011, T2202342012, T2202342013, T2202342014, T2202342015, T2202342016

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
2-Chloronaphthalene	mg/Kg	1.60	1.1	68		.95	59	13	30	T
Dimethyl phthalate	mg/Kg	1.60	1.5	96		1.5	96	1	30	T
2,6-Dinitrotoluene (2,6-DNT	mg/Kg	1.60	1.8	110		1.8	114	4	30	T
Acenaphthylene	mg/Kg	1.60	1.5	93		1.6	97	3	30	T
Acenaphthene	mg/Kg	1.60	1.4	87	40 - 123	1.4	91	4	30	T
2,4-Dinitrophenol	mg/Kg	1.60	1.4	85		1.4	89	4	30	T
2,4-Dinitrotoluene (2,4-DNT	mg/Kg	1.60	1.8	112	48 - 126	1.8	113	1	30	T
4-Nitrophenol	mg/Kg	1.60	1.7	105		1.7	105	0	30	T
Diethyl phthalate	mg/Kg	1.60	1.6	97		1.6	97	0	30	T
Fluorene	mg/Kg	1.60	1.5	93	43 - 125	1.5	95	2	30	T
4-Chlorophenyl Phenyl Eth	mg/Kg	1.60	1.4	90		1.5	93	3	30	T
2-Methyl-4,6-dinitrophenol	mg/Kg	1.60	1.8	110		1.9	116	6	30	T
N-Nitrosodiphenylamine	mg/Kg	1.60	1.4	86		1.3	82	5	30	T
1,2-Diphenylhydrazine	mg/Kg	1.60	1.8	109		1.7	106	3	30	T
4-Bromophenyl Phenyl Eth	mg/Kg	1.60	1.6	99		1.5	97	2	30	T
Hexachlorobenzene	mg/Kg	1.60	1.6	98	45 - 122	1.5	92	6	30	T
Pentachlorophenol	mg/Kg	1.60	1.4	86	25 - 133	1.2	75	14	30	T
Phenanthrene	mg/Kg	1.60	1.5	95		1.5	92	4	30	T
Anthracene	mg/Kg	1.60	1.5	96		1.5	95	1	30	T
Di-n-Butyl Phthalate	mg/Kg	1.60	1.6	103		1.6	99	4	30	T
Fluoranthene	mg/Kg	1.60	1.6	98	50 - 127	1.6	98	1	30	T
Pyrene	mg/Kg	1.60	1.6	99		1.7	104	5	30	T
Butyl benzyl phthalate	mg/Kg	1.60	1.7	109		1.8	112	2	30	T
Benzo[a]anthracene	mg/Kg	1.60	1.6	100		1.6	99	1	30	T
Chrysene	mg/Kg	1.60	1.6	96		1.6	99	3	30	T
bis(2-Ethylhexyl) phthalate	mg/Kg	1.60	1.7	109	51 - 133	1.8	113	3	30	T
Di-n-octyl Phthalate	mg/Kg	1.60	1.8	115		1.9	118	3	30	T
Benzo[b]fluoranthene	mg/Kg	1.60	1.6	97		1.6	98	1	30	T
Benzo[k]fluoranthene	mg/Kg	1.60	1.6	100		1.6	103	3	30	T
Benzo[a]pyrene	mg/Kg	1.60	1.7	102	45 - 129	1.7	105	3	30	T
Indeno(1,2,3-cd)pyrene	mg/Kg	1.60	1.7	107		1.7	107	0	30	T
Dibenzo[a,h]anthracene	mg/Kg	1.60	1.6	103		1.7	104	1	30	T
Benzo[g,h,i]perylene	mg/Kg	1.60	1.6	100		1.7	104	3	30	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

QC Batch: MSSt/1667 **Analysis Method:** SW-846 8270C
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202342001, T2202342002, T2202342003, T2202342004, T2202342005, T2202342006, T2202342007, T2202342008, T2202342009, T2202342010, T2202342011, T2202342012, T2202342013, T2202342014, T2202342015, T2202342016

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Benzidine	mg/Kg	1.60	.31	20		.65	41	**69**	30	T
3,3`-Dichlorobenzidine	mg/Kg	1.60	1.3	84		1.4	87	3	30	T

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	2	2.20	112	39 - 132	2	100	12	30	
2-Fluorobiphenyl (S)	mg/L	2	1.80	89	44 - 115	1.80	90	1	30	
2-Fluorophenol (S)	mg/L	2	1.80	91	35 - 115	1.80	92	1	30	
Nitrobenzene-d5 (S)	mg/L	2	2	101	37 - 122	2.10	104	2		
Phenol-d6 (S)	mg/L	2	1.70	87	33 - 122	1.80	92	5		
p-Terphenyl-d14 (S)	mg/L	2	2	102	54 - 127	2	100	2		

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

QC Results

QC Batch: MSSt/1671 **Analysis Method:** SW-846 8270C (SIM)
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202342013, T2202342014, T2202342015, T2202342016

Method Blank(4195752)

Parameter	Results	Units	PQL	MDL	Lab
Naphthalene	0.0016 U	mg/Kg	0.0080	0.0016	T
2-Methylnaphthalene	0.0020 U	mg/Kg	0.0080	0.0020	T
1-Methylnaphthalene	0.0015 U	mg/Kg	0.0080	0.0015	T
Acenaphthylene	0.0017 U	mg/Kg	0.0080	0.0017	T
Acenaphthene	0.0015 U	mg/Kg	0.0080	0.0015	T
Fluorene	0.0021 U	mg/Kg	0.0080	0.0021	T
Phenanthrene	0.0021 U	mg/Kg	0.0080	0.0021	T
Anthracene	0.0024 U	mg/Kg	0.0080	0.0024	T
Fluoranthene	0.0027 U	mg/Kg	0.0080	0.0027	T
Pyrene	0.0023 U	mg/Kg	0.0080	0.0023	T
Benzo[a]anthracene	0.0019 U	mg/Kg	0.0080	0.0019	T
Chrysene	0.0028 U	mg/Kg	0.0080	0.0028	T
Benzo[b]fluoranthene	0.0015 U	mg/Kg	0.0080	0.0015	T
Benzo[k]fluoranthene	0.0023 U	mg/Kg	0.0080	0.0023	T
Benzo[a]pyrene	0.0016 U	mg/Kg	0.0080	0.0016	T
Indeno(1,2,3-cd)pyrene	0.0023 U	mg/Kg	0.0080	0.0023	T
Dibenzo[a,h]anthracene	0.0016 U	mg/Kg	0.0080	0.0016	T
Benzo[g,h,i]perylene	0.0019 U	mg/Kg	0.0080	0.0019	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2-Fluorobiphenyl (S)	mg/L	0.40	0.36	89	37 - 127	
Nitrobenzene-d5 (S)	mg/L	0.40	0.46	115	33 - 134	
p-Terphenyl-d14 (S)	mg/L	0.40	0.44	109	42 - 141	

Lab Control Sample (4195753)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Naphthalene	mg/Kg	0.20	.16	81	38 - 120	T
2-Methylnaphthalene	mg/Kg	0.20	.19	94	39 - 120	T
1-Methylnaphthalene	mg/Kg	0.20	.18	90	43 - 120	T
Acenaphthylene	mg/Kg	0.20	.17	84	39 - 118	T
Acenaphthene	mg/Kg	0.20	.19	96	44 - 117	T
Fluorene	mg/Kg	0.20	.18	88	47 - 121	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

QC Batch: MSSt/1671 **Analysis Method:** SW-846 8270C (SIM)
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202342013, T2202342014, T2202342015, T2202342016

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Phenanthrene	mg/Kg	0.20	.19	97	49 - 122	T
Anthracene	mg/Kg	0.20	.21	105	50 - 123	T
Fluoranthene	mg/Kg	0.20	.19	93	51 - 126	T
Pyrene	mg/Kg	0.20	.21	107	51 - 127	T
Benzo[a]anthracene	mg/Kg	0.20	.2	98	52 - 126	T
Chrysene	mg/Kg	0.20	.21	104	52 - 128	T
Benzo[b]fluoranthene	mg/Kg	0.20	.19	93	43 - 132	T
Benzo[k]fluoranthene	mg/Kg	0.20	.2	100	46 - 133	T
Benzo[a]pyrene	mg/Kg	0.20	.17	85	42 - 129	T
Indeno(1,2,3-cd)pyrene	mg/Kg	0.20	.2	100	39 - 135	T
Dibenzo[a,h]anthracene	mg/Kg	0.20	.24	118	40 - 139	T
Benzo[g,h,i]perylene	mg/Kg	0.20	.23	115	41 - 133	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2-Fluorobiphenyl (S)	mg/L	0.40	0.33	83	37 - 127	
Nitrobenzene-d5 (S)	mg/L	0.40	0.43	107	33 - 134	
p-Terphenyl-d14 (S)	mg/L	0.40	0.40	100	42 - 141	

Matrix Spike (4195754); Matrix Spike Duplicate (4195755); Parent Lab Sample (T2202524001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Naphthalene	mg/Kg	0.20	.13	61	38 - 120	.14	61	1	30	T
2-Methylnaphthalene	mg/Kg	0.20	.17	72	39 - 120	.17	75	4	30	T
1-Methylnaphthalene	mg/Kg	0.20	.16	69	43 - 120	.16	72	5	30	T
Acenaphthylene	mg/Kg	0.20	.18	57	39 - 118	.18	58	1	30	T
Acenaphthene	mg/Kg	0.20	.16	77	44 - 117	.16	81	5	30	T
Fluorene	mg/Kg	0.20	.15	76	47 - 121	.16	77	1	30	T
Phenanthrene	mg/Kg	0.20	.2	87	49 - 122	.19	85	2	30	T
Anthracene	mg/Kg	0.20	.21	74	50 - 123	.22	77	3	30	T
Fluoranthene	mg/Kg	0.20	.23	77	51 - 126	.24	82	4	30	T
Pyrene	mg/Kg	0.20	.3	56	51 - 127	.29	53	2	30	T
Benzo[a]anthracene	mg/Kg	0.20	.26	77	52 - 126	.26	78	1	30	T
Chrysene	mg/Kg	0.20	.28	96	52 - 128	.27	94	1	30	T
Benzo[b]fluoranthene	mg/Kg	0.20	.38	**4**	43 - 132	.36	**-6**	6	30	T
Benzo[k]fluoranthene	mg/Kg	0.20	.25	60	46 - 133	.25	57	2	30	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

QC Batch: MSSt/1671 **Analysis Method:** SW-846 8270C (SIM)
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202342013, T2202342014, T2202342015, T2202342016

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Benzo[a]pyrene	mg/Kg	0.20	.28	**34**	42 - 129	.27	**29**	3	30	T
Indeno(1,2,3-cd)pyrene	mg/Kg	0.20	.32	63	39 - 135	.3	51	7	30	T
Dibenzo[a,h]anthracene	mg/Kg	0.20	.24	94	40 - 139	.22	86	7	30	T
Benzo[g,h,i]perylene	mg/Kg	0.20	.33	65	41 - 133	.3	55	7	30	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
2-Fluorobiphenyl (S)	mg/L	0.40	0.24	61	37 - 127	0.26	65	8	30	
Nitrobenzene-d5 (S)	mg/L	0.40	0.31	79	33 - 134	0.33	82	4	30	
p-Terphenyl-d14 (S)	mg/L	0.40	0.37	92	42 - 141	0.36	90	2	30	

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

QC Results

QC Batch: MSVt/3548 **Analysis Method:** SW-846 8260B
Preparation Method: SW-846 5035
Associated Lab IDs: T2202342001, T2202342002, T2202342003, T2202342004, T2202342005, T2202342006, T2202342007

Method Blank(4195299)

Parameter	Results	Units	PQL	MDL	Lab
Dichlorodifluoromethane	0.0010 U	mg/Kg	0.0030	0.0010	T
Chloromethane	0.00069 U	mg/Kg	0.0030	0.00069	T
Vinyl Chloride	0.00058 U	mg/Kg	0.0030	0.00058	T
Bromomethane	0.0012 U	mg/Kg	0.0030	0.0012	T
Chloroethane	0.0015 U	mg/Kg	0.0030	0.0015	T
Trichlorofluoromethane	0.00066 U	mg/Kg	0.0030	0.00066	T
Acrolein (Propenal)	0.0062 U	mg/Kg	0.015	0.0062	T
1,1-Dichloroethylene	0.00073 U	mg/Kg	0.0030	0.00073	T
Acrylonitrile	0.00052 U	mg/Kg	0.0030	0.00052	T
Methylene Chloride	0.0040 U	mg/Kg	0.0050	0.0040	T
trans-1,2-Dichloroethylene	0.00061 U	mg/Kg	0.0030	0.00061	T
Methyl tert-butyl Ether (MTBE)	0.00098 U	mg/Kg	0.0030	0.00098	T
1,1-Dichloroethane	0.00070 U	mg/Kg	0.0030	0.00070	T
cis-1,2-Dichloroethylene	0.00059 U	mg/Kg	0.0030	0.00059	T
Chloroform	0.00061 U	mg/Kg	0.0030	0.00061	T
1,2-Dichloroethane	0.00078 U	mg/Kg	0.0030	0.00078	T
1,1,1-Trichloroethane	0.00070 U	mg/Kg	0.0030	0.00070	T
Carbon Tetrachloride	0.00084 U	mg/Kg	0.0030	0.00084	T
Benzene	0.00050 U	mg/Kg	0.0030	0.00050	T
1,2-Dichloropropane	0.00054 U	mg/Kg	0.0030	0.00054	T
Trichloroethene	0.00074 U	mg/Kg	0.0030	0.00074	T
Bromodichloromethane	0.00053 U	mg/Kg	0.0030	0.00053	T
2-Chloroethyl Vinyl Ether	0.0026 U	mg/Kg	0.0030	0.0026	T
cis-1,3-Dichloropropene	0.0021 U	mg/Kg	0.0030	0.0021	T
trans-1,3-Dichloropropylene	0.0018 U	mg/Kg	0.0030	0.0018	T
1,1,2-Trichloroethane	0.00049 U	mg/Kg	0.0030	0.00049	T
Toluene	0.00037 U	mg/Kg	0.0030	0.00037	T
Dibromochloromethane	0.0017 U	mg/Kg	0.0030	0.0017	T
Tetrachloroethylene (PCE)	0.00057 U	mg/Kg	0.0030	0.00057	T
Chlorobenzene	0.00044 U	mg/Kg	0.0030	0.00044	T
Ethylbenzene	0.00036 U	mg/Kg	0.0030	0.00036	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

QC Batch: MSVt/3548 **Analysis Method:** SW-846 8260B
Preparation Method: SW-846 5035
Associated Lab IDs: T2202342001, T2202342002, T2202342003, T2202342004, T2202342005, T2202342006, T2202342007

Parameter	Results	Units	PQL	MDL	Lab
Bromoform	0.0020 U	mg/Kg	0.0030	0.0020	T
1,1,2,2-Tetrachloroethane	0.00051 U	mg/Kg	0.0030	0.00051	T
1,3-Dichlorobenzene	0.00055 U	mg/Kg	0.0030	0.00055	T
1,4-Dichlorobenzene	0.00066 U	mg/Kg	0.0030	0.00066	T
1,2-Dichlorobenzene	0.00048 U	mg/Kg	0.0030	0.00048	T
Xylene (Total)	0.0013 U	mg/Kg	0.0060	0.0013	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	41	82	69 - 134	
Bromofluorobenzene (S)	ug/L	50	53	105	79 - 126	
Toluene-d8 (S)	ug/L	50	48	96	72 - 122	

Lab Control Sample (4195300); Lab Control Sample Duplicate (4195301)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Dichlorodifluoromethane	mg/Kg	0.02	.01	72		.02	77	6		T
Chloromethane	mg/Kg	0.02	.02	86		.02	92	6		T
Vinyl Chloride	mg/Kg	0.02	.02	81	70 - 130	.02	85	4	20	T
Bromomethane	mg/Kg	0.02	.01	62		.02	88	35		T
Chloroethane	mg/Kg	0.02	.02	75		.02	86	14		T
Trichlorofluoromethane	mg/Kg	0.02	.02	78		.02	95	19		T
1,1-Dichloroethylene	mg/Kg	0.02	.02	97	70 - 130	.02	98	1	20	T
Methylene Chloride	mg/Kg	0.02	.02	100		.02	104	3		T
trans-1,2-Dichloroethylene	mg/Kg	0.02	.02	98		.02	99	1		T
Methyl tert-butyl Ether (MT	mg/Kg	0.02	.02	111	70 - 130	.02	108	3	20	T
1,1-Dichloroethane	mg/Kg	0.02	.02	97		.02	96	1		T
cis-1,2-Dichloroethylene	mg/Kg	0.02	.02	101	70 - 130	.02	101	1	20	T
Chloroform	mg/Kg	0.02	.02	99	70 - 130	.02	98	1	20	T
1,2-Dichloroethane	mg/Kg	0.02	.02	98		.02	95	3		T
1,1,1-Trichloroethane	mg/Kg	0.02	.02	89		.02	91	2		T
Carbon Tetrachloride	mg/Kg	0.02	.02	89		.02	91	3		T
Benzene	mg/Kg	0.02	.02	104	70 - 130	.02	102	1	20	T
1,2-Dichloropropane	mg/Kg	0.02	.02	105		.02	105	0		T
Trichloroethene	mg/Kg	0.02	.02	100	70 - 130	.02	99	0	20	T
Bromodichloromethane	mg/Kg	0.02	.02	89		.02	90	2		T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

QC Batch: MSVt/3548 **Analysis Method:** SW-846 8260B
Preparation Method: SW-846 5035
Associated Lab IDs: T2202342001, T2202342002, T2202342003, T2202342004, T2202342005, T2202342006, T2202342007

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
cis-1,3-Dichloropropene	mg/Kg	0.02	.02	97		.02	97	0		T
trans-1,3-Dichloropropylene	mg/Kg	0.02	.02	95		.02	94	1		T
1,1,2-Trichloroethane	mg/Kg	0.02	.02	106		.02	105	1		T
Toluene	mg/Kg	0.02	.02	98	70 - 130	.02	96	3	20	T
Dibromochloromethane	mg/Kg	0.02	.02	81		.02	85	5		T
Tetrachloroethylene (PCE)	mg/Kg	0.02	.02	90	70 - 130	.02	89	1	20	T
Chlorobenzene	mg/Kg	0.02	.02	97	70 - 130	.02	94	4	20	T
Ethylbenzene	mg/Kg	0.02	.02	100	70 - 130	.02	96	4	20	T
Bromoform	mg/Kg	0.02	.02	73		.02	76	3		T
1,1,2,2-Tetrachloroethane	mg/Kg	0.02	.02	91		.02	90	1		T
1,3-Dichlorobenzene	mg/Kg	0.02	.02	95	70 - 130	.02	96	0	20	T
1,4-Dichlorobenzene	mg/Kg	0.02	.02	97		.02	94	3		T
1,2-Dichlorobenzene	mg/Kg	0.02	.02	98	70 - 130	.02	98	0	20	T
Xylene (Total)	mg/Kg	0.06	.07	113	70 - 130	.06	100	12	20	T
2-Chloroethyl Vinyl Ether	mg/Kg	0.02	0	0		.04	195	200		T
Acrolein (Propenal)	mg/Kg	0.10	.05	50		.05	50	0		T
Acrylonitrile	mg/Kg	0.02	.02	95		.02	99	4		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	44	87	69 - 134	43	86	2		
Bromofluorobenzene (S)	ug/L	50	49	98	79 - 126	50	100	1		
Toluene-d8 (S)	ug/L	50	47	93	72 - 122	47	94	1		

Matrix Spike (4195302); Parent Lab Sample (T2202342002)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Dichlorodifluoromethane	mg/Kg	0.0260	.02	76		T
Chloromethane	mg/Kg	0.0260	.02	91		T
Vinyl Chloride	mg/Kg	0.0260	.02	83	70 - 130	T
Bromomethane	mg/Kg	0.0260	.02	87		T
Chloroethane	mg/Kg	0.0260	.02	83		T
Trichlorofluoromethane	mg/Kg	0.0260	.02	86		T
1,1-Dichloroethylene	mg/Kg	0.0260	.03	97	70 - 130	T
Methylene Chloride	mg/Kg	0.0260	.03	108		T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

QC Batch: MSVt/3548 **Analysis Method:** SW-846 8260B
Preparation Method: SW-846 5035
Associated Lab IDs: T2202342001, T2202342002, T2202342003, T2202342004, T2202342005, T2202342006, T2202342007

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
trans-1,2-Dichloroethylene	mg/Kg	0.0260	.03	96		T
Methyl tert-butyl Ether (MTBE)	mg/Kg	0.0260	.03	107	70 - 130	T
1,1-Dichloroethane	mg/Kg	0.0260	.02	95		T
cis-1,2-Dichloroethylene	mg/Kg	0.0260	.03	99	70 - 130	T
Chloroform	mg/Kg	0.0260	.03	97	70 - 130	T
1,2-Dichloroethane	mg/Kg	0.0260	.03	97		T
1,1,1-Trichloroethane	mg/Kg	0.0260	.02	93		T
Carbon Tetrachloride	mg/Kg	0.0260	.02	91		T
Benzene	mg/Kg	0.0260	.03	101	70 - 130	T
1,2-Dichloropropane	mg/Kg	0.0260	.03	104		T
Trichloroethene	mg/Kg	0.0260	.03	100	70 - 130	T
Bromodichloromethane	mg/Kg	0.0260	.02	90		T
cis-1,3-Dichloropropene	mg/Kg	0.0260	.03	97		T
trans-1,3-Dichloropropylene	mg/Kg	0.0260	.02	95		T
1,1,2-Trichloroethane	mg/Kg	0.0260	.03	104		T
Toluene	mg/Kg	0.0260	.02	95	70 - 130	T
Dibromochloromethane	mg/Kg	0.0260	.02	86		T
Tetrachloroethylene (PCE)	mg/Kg	0.0260	.02	88	70 - 130	T
Chlorobenzene	mg/Kg	0.0260	.02	93	70 - 130	T
Ethylbenzene	mg/Kg	0.0260	.03	96	70 - 130	T
Bromoform	mg/Kg	0.0260	.02	77		T
1,1,2,2-Tetrachloroethane	mg/Kg	0.0260	.02	90		T
1,3-Dichlorobenzene	mg/Kg	0.0260	.02	90	70 - 130	T
1,4-Dichlorobenzene	mg/Kg	0.0260	.02	90		T
1,2-Dichlorobenzene	mg/Kg	0.0260	.03	96	70 - 130	T
Xylene (Total)	mg/Kg	0.0770	.08	99	70 - 130	T
2-Chloroethyl Vinyl Ether	mg/Kg	0.0260	0	0		T
Acrolein (Propenal)	mg/Kg	0.13	.07	52		T
Acrylonitrile	mg/Kg	0.0260	.03	98		T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	64	55	85	69 - 134	
Bromofluorobenzene (S)	ug/L	64	64	100	79 - 126	

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

QC Batch: MSVt/3548 **Analysis Method:** SW-846 8260B
Preparation Method: SW-846 5035
Associated Lab IDs: T2202342001, T2202342002, T2202342003, T2202342004, T2202342005, T2202342006, T2202342007

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Toluene-d8 (S)	ug/L	64	61	95	72 - 122	

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

QC Results

QC Batch: MSVt/3551 **Analysis Method:** SW-846 8260B
Preparation Method: SW-846 5035
Associated Lab IDs: T2202342008, T2202342009, T2202342010, T2202342011, T2202342012, T2202342013, T2202342014, T2202342016

Method Blank(4196557)

Parameter	Results	Units	PQL	MDL	Lab
Dichlorodifluoromethane	0.0010 U	mg/Kg	0.0030	0.0010	T
Chloromethane	0.00069 U	mg/Kg	0.0030	0.00069	T
Vinyl Chloride	0.00058 U	mg/Kg	0.0030	0.00058	T
Bromomethane	0.0012 U	mg/Kg	0.0030	0.0012	T
Chloroethane	0.0015 U	mg/Kg	0.0030	0.0015	T
Trichlorofluoromethane	0.00066 U	mg/Kg	0.0030	0.00066	T
Acrolein (Propenal)	0.0062 U	mg/Kg	0.015	0.0062	T
1,1-Dichloroethylene	0.00073 U	mg/Kg	0.0030	0.00073	T
Acrylonitrile	0.00052 U	mg/Kg	0.0030	0.00052	T
Methylene Chloride	0.0040 U	mg/Kg	0.0050	0.0040	T
trans-1,2-Dichloroethylene	0.00061 U	mg/Kg	0.0030	0.00061	T
Methyl tert-butyl Ether (MTBE)	0.00098 U	mg/Kg	0.0030	0.00098	T
1,1-Dichloroethane	0.00070 U	mg/Kg	0.0030	0.00070	T
cis-1,2-Dichloroethylene	0.00059 U	mg/Kg	0.0030	0.00059	T
Chloroform	0.00061 U	mg/Kg	0.0030	0.00061	T
1,2-Dichloroethane	0.00078 U	mg/Kg	0.0030	0.00078	T
1,1,1-Trichloroethane	0.00070 U	mg/Kg	0.0030	0.00070	T
Carbon Tetrachloride	0.00084 U	mg/Kg	0.0030	0.00084	T
Benzene	0.00050 U	mg/Kg	0.0030	0.00050	T
1,2-Dichloropropane	0.00054 U	mg/Kg	0.0030	0.00054	T
Trichloroethene	0.00074 U	mg/Kg	0.0030	0.00074	T
Bromodichloromethane	0.00053 U	mg/Kg	0.0030	0.00053	T
2-Chloroethyl Vinyl Ether	0.0026 U	mg/Kg	0.0030	0.0026	T
cis-1,3-Dichloropropene	0.0021 U	mg/Kg	0.0030	0.0021	T
trans-1,3-Dichloropropylene	0.0018 U	mg/Kg	0.0030	0.0018	T
1,1,2-Trichloroethane	0.00049 U	mg/Kg	0.0030	0.00049	T
Toluene	0.00037 U	mg/Kg	0.0030	0.00037	T
Dibromochloromethane	0.0017 U	mg/Kg	0.0030	0.0017	T
Tetrachloroethylene (PCE)	0.00057 U	mg/Kg	0.0030	0.00057	T
Chlorobenzene	0.00044 U	mg/Kg	0.0030	0.00044	T
Ethylbenzene	0.00036 U	mg/Kg	0.0030	0.00036	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

QC Batch: MSVt/3551 **Analysis Method:** SW-846 8260B
Preparation Method: SW-846 5035
Associated Lab IDs: T2202342008, T2202342009, T2202342010, T2202342011, T2202342012, T2202342013, T2202342014, T2202342016

Parameter	Results	Units	PQL	MDL	Lab
Bromoform	0.0020 U	mg/Kg	0.0030	0.0020	T
1,1,2,2-Tetrachloroethane	0.00051 U	mg/Kg	0.0030	0.00051	T
1,3-Dichlorobenzene	0.00055 U	mg/Kg	0.0030	0.00055	T
1,4-Dichlorobenzene	0.00066 U	mg/Kg	0.0030	0.00066	T
1,2-Dichlorobenzene	0.00048 U	mg/Kg	0.0030	0.00048	T
Xylene (Total)	0.0013 U	mg/Kg	0.0060	0.0013	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	42	84	69 - 134	
Bromofluorobenzene (S)	ug/L	50	54	109	79 - 126	
Toluene-d8 (S)	ug/L	50	47	95	72 - 122	

Lab Control Sample (4196558); Lab Control Sample Duplicate (4196559)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Dichlorodifluoromethane	mg/Kg	0.02	.01	67		.01	71	6		T
Chloromethane	mg/Kg	0.02	.02	83		.02	81	2		T
Vinyl Chloride	mg/Kg	0.02	.02	88	70 - 130	.02	78	12	20	T
Bromomethane	mg/Kg	0.02	.01	59		.01	69	15		T
Chloroethane	mg/Kg	0.02	.02	74		.02	77	4		T
Trichlorofluoromethane	mg/Kg	0.02	.02	91		.02	94	4		T
1,1-Dichloroethylene	mg/Kg	0.02	.02	120	70 - 130	.03	123	3	20	T
Methylene Chloride	mg/Kg	0.02	.02	122		.03	128	5		T
trans-1,2-Dichloroethylene	mg/Kg	0.02	.02	121		.03	124	2		T
Methyl tert-butyl Ether (MT	mg/Kg	0.02	.02	118	70 - 130	.02	114	4	20	T
1,1-Dichloroethane	mg/Kg	0.02	.02	117		.02	121	3		T
cis-1,2-Dichloroethylene	mg/Kg	0.02	.02	120	70 - 130	.03	126	4	20	T
Chloroform	mg/Kg	0.02	.02	117	70 - 130	.02	122	5	20	T
1,2-Dichloroethane	mg/Kg	0.02	.02	115		.02	120	5		T
1,1,1-Trichloroethane	mg/Kg	0.02	.02	111		.02	117	5		T
Carbon Tetrachloride	mg/Kg	0.02	.02	110		.02	116	5		T
Benzene	mg/Kg	0.02	.02	105	70 - 130	.02	116	11	20	T
1,2-Dichloropropane	mg/Kg	0.02	.02	116		.03	128	9		T
Trichloroethene	mg/Kg	0.02	.02	122	70 - 130	.03	126	3	20	T
Bromodichloromethane	mg/Kg	0.02	.02	114		.02	119	4		T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

QC Batch: MSVt/3551 **Analysis Method:** SW-846 8260B
Preparation Method: SW-846 5035
Associated Lab IDs: T2202342008, T2202342009, T2202342010, T2202342011, T2202342012, T2202342013, T2202342014, T2202342016

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
cis-1,3-Dichloropropene	mg/Kg	0.02	.02	122		.03	129	5		T
trans-1,3-Dichloropropylene	mg/Kg	0.02	.03	124		.03	128	3		T
1,1,2-Trichloroethane	mg/Kg	0.02	.03	124		.03	130	5		T
Toluene	mg/Kg	0.02	.02	105	70 - 130	.02	109	4	20	T
Dibromochloromethane	mg/Kg	0.02	.02	96		.02	104	8		T
Tetrachloroethylene (PCE)	mg/Kg	0.02	.02	101	70 - 130	.02	105	4	20	T
Chlorobenzene	mg/Kg	0.02	.02	103	70 - 130	.02	107	4	20	T
Ethylbenzene	mg/Kg	0.02	.02	108	70 - 130	.02	112	4	20	T
Bromoform	mg/Kg	0.02	.02	91		.02	96	6		T
1,1,2,2-Tetrachloroethane	mg/Kg	0.02	.02	99		.02	108	9		T
1,3-Dichlorobenzene	mg/Kg	0.02	.02	109	70 - 130	.02	114	4	20	T
1,4-Dichlorobenzene	mg/Kg	0.02	.02	108		.02	112	4		T
1,2-Dichlorobenzene	mg/Kg	0.02	.02	112	70 - 130	.02	115	3	20	T
Xylene (Total)	mg/Kg	0.06	.07	110	70 - 130	.07	116	5	20	T
2-Chloroethyl Vinyl Ether	mg/Kg	0.02	.04	192		.04	213	10		T
Acrolein (Propenal)	mg/Kg	0.10	.06	64		.07	71	11		T
Acrylonitrile	mg/Kg	0.02	.02	113		.02	120	6		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	44	88	69 - 134	44	89	1		
Bromofluorobenzene (S)	ug/L	50	49	98	79 - 126	47	95	3		
Toluene-d8 (S)	ug/L	50	43	87	72 - 122	44	87	1		

Matrix Spike (4196560); Parent Lab Sample (T2202342008)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Dichlorodifluoromethane	mg/Kg	0.0260	.02	78		T
Chloromethane	mg/Kg	0.0260	.02	87		T
Vinyl Chloride	mg/Kg	0.0260	.02	81	70 - 130	T
Bromomethane	mg/Kg	0.0260	.02	75		T
Chloroethane	mg/Kg	0.0260	.02	81		T
Trichlorofluoromethane	mg/Kg	0.0260	.03	103		T
1,1-Dichloroethylene	mg/Kg	0.0260	.03	125	70 - 130	T
Methylene Chloride	mg/Kg	0.0260	.03	133		T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

QC Batch: MSVt/3551 **Analysis Method:** SW-846 8260B
Preparation Method: SW-846 5035
Associated Lab IDs: T2202342008, T2202342009, T2202342010, T2202342011, T2202342012, T2202342013, T2202342014, T2202342016

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
trans-1,2-Dichloroethylene	mg/Kg	0.0260	.03	125		T
Methyl tert-butyl Ether (MTBE)	mg/Kg	0.0260	.03	117	70 - 130	T
1,1-Dichloroethane	mg/Kg	0.0260	.03	122		T
cis-1,2-Dichloroethylene	mg/Kg	0.0260	.03	129	70 - 130	T
Chloroform	mg/Kg	0.0260	.03	126	70 - 130	T
1,2-Dichloroethane	mg/Kg	0.0260	.03	120		T
1,1,1-Trichloroethane	mg/Kg	0.0260	.03	116		T
Carbon Tetrachloride	mg/Kg	0.0260	.03	116		T
Benzene	mg/Kg	0.0260	.03	130	70 - 130	T
1,2-Dichloropropane	mg/Kg	0.0260	.03	128		T
Trichloroethene	mg/Kg	0.0260	.03	130	70 - 130	T
Bromodichloromethane	mg/Kg	0.0260	.03	124		T
cis-1,3-Dichloropropene	mg/Kg	0.0260	.03	131		T
trans-1,3-Dichloropropylene	mg/Kg	0.0260	.03	128		T
1,1,2-Trichloroethane	mg/Kg	0.0260	.03	132		T
Toluene	mg/Kg	0.0260	.03	101	70 - 130	T
Dibromochloromethane	mg/Kg	0.0260	.03	97		T
Tetrachloroethylene (PCE)	mg/Kg	0.0260	.03	97	70 - 130	T
Chlorobenzene	mg/Kg	0.0260	.03	101	70 - 130	T
Ethylbenzene	mg/Kg	0.0260	.03	105	70 - 130	T
Bromoform	mg/Kg	0.0260	.02	89		T
1,1,2,2-Tetrachloroethane	mg/Kg	0.0260	.03	100		T
1,3-Dichlorobenzene	mg/Kg	0.0260	.03	114	70 - 130	T
1,4-Dichlorobenzene	mg/Kg	0.0260	.03	115		T
1,2-Dichlorobenzene	mg/Kg	0.0260	.03	115	70 - 130	T
Xylene (Total)	mg/Kg	0.0770	.08	108	70 - 130	T
2-Chloroethyl Vinyl Ether	mg/Kg	0.0260	.05	208		T
Acrolein (Propenal)	mg/Kg	0.13	.09	73		T
Acrylonitrile	mg/Kg	0.0260	.03	123		T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	64	57	89	69 - 134	
Bromofluorobenzene (S)	ug/L	64	62	96	79 - 126	

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

QC Batch: MSVt/3551 **Analysis Method:** SW-846 8260B
Preparation Method: SW-846 5035
Associated Lab IDs: T2202342008, T2202342009, T2202342010, T2202342011, T2202342012, T2202342013, T2202342014, T2202342016

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Toluene-d8 (S)	ug/L	64	52	81	72 - 122	

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
GCSm/1892 - EPA 8081			
T2202342001	SB-1 @ 0-6"	EXTm/2473	SW-846 3550B
T2202342002	SB-2 @ 0-6"	EXTm/2473	SW-846 3550B
T2202342003	SB-3 @ 0-6"	EXTm/2473	SW-846 3550B
T2202342004	SB-4 @ 0-6"	EXTm/2473	SW-846 3550B
T2202342005	SB-5 @ 0-6"	EXTm/2473	SW-846 3550B
T2202342006	SB-6 @ 0-6"	EXTm/2473	SW-846 3550B
T2202342007	SB-7 @ 0-6"	EXTm/2473	SW-846 3550B
T2202342008	SB-8 @ 0-6"	EXTm/2473	SW-846 3550B
T2202342009	SB-9 @ 0-6"	EXTm/2473	SW-846 3550B
T2202342010	SB-10 @ 0-6"	EXTm/2473	SW-846 3550B
T2202342011	SB-11 @ 0-6"	EXTm/2473	SW-846 3550B
T2202342012	SB-12 @ 0-6"	EXTm/2473	SW-846 3550B
T2202342014	SB-14 @ 0-6"	EXTm/2473	SW-846 3550B
T2202342015	SB-15 @ 0-6"	EXTm/2473	SW-846 3550B
T2202342016	SB-16 @ 0-6"	EXTm/2473	SW-846 3550B
GCSm/1893 - SW-846 8082A			
T2202342001	SB-1 @ 0-6"	EXTm/2474	SW-846 3550B
T2202342002	SB-2 @ 0-6"	EXTm/2474	SW-846 3550B
T2202342003	SB-3 @ 0-6"	EXTm/2474	SW-846 3550B
T2202342004	SB-4 @ 0-6"	EXTm/2474	SW-846 3550B
T2202342005	SB-5 @ 0-6"	EXTm/2474	SW-846 3550B
T2202342006	SB-6 @ 0-6"	EXTm/2474	SW-846 3550B
T2202342007	SB-7 @ 0-6"	EXTm/2474	SW-846 3550B
T2202342008	SB-8 @ 0-6"	EXTm/2474	SW-846 3550B
T2202342009	SB-9 @ 0-6"	EXTm/2474	SW-846 3550B
T2202342010	SB-10 @ 0-6"	EXTm/2474	SW-846 3550B
T2202342011	SB-11 @ 0-6"	EXTm/2474	SW-846 3550B
T2202342012	SB-12 @ 0-6"	EXTm/2474	SW-846 3550B
T2202342014	SB-14 @ 0-6"	EXTm/2474	SW-846 3550B
T2202342015	SB-15 @ 0-6"	EXTm/2474	SW-846 3550B
T2202342016	SB-16 @ 0-6"	EXTm/2474	SW-846 3550B
GCSm/1896 - EPA 8081			
T2202342013	SB-13 @ 0-6"	EXTm/2479	SW-846 3550B

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
GCSm/1897 - SW-846 8082A			
T2202342013	SB-13 @ 0-6"	EXTm/2480	SW-846 3550B
GCSt/2034 - FL-PRO			
T2202342001	SB-1 @ 0-6"	EXTt/2423	FL-PRO
T2202342002	SB-2 @ 0-6"	EXTt/2423	FL-PRO
T2202342003	SB-3 @ 0-6"	EXTt/2423	FL-PRO
T2202342004	SB-4 @ 0-6"	EXTt/2423	FL-PRO
T2202342005	SB-5 @ 0-6"	EXTt/2423	FL-PRO
T2202342006	SB-6 @ 0-6"	EXTt/2423	FL-PRO
T2202342007	SB-7 @ 0-6"	EXTt/2423	FL-PRO
T2202342008	SB-8 @ 0-6"	EXTt/2423	FL-PRO
T2202342009	SB-9 @ 0-6"	EXTt/2423	FL-PRO
T2202342010	SB-10 @ 0-6"	EXTt/2423	FL-PRO
T2202342011	SB-11 @ 0-6"	EXTt/2423	FL-PRO
T2202342012	SB-12 @ 0-6"	EXTt/2423	FL-PRO
GCSt/2039 - FL-PRO			
T2202342013	SB-13 @ 0-6"	EXTt/2434	FL-PRO
T2202342014	SB-14 @ 0-6"	EXTt/2434	FL-PRO
T2202342015	SB-15 @ 0-6"	EXTt/2434	FL-PRO
T2202342016	SB-16 @ 0-6"	EXTt/2434	FL-PRO
ICPt/2337 - SW-846 6010			
T2202342001	SB-1 @ 0-6"	DGMt/3279	SW-846 3050B

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
ICPt/2338 - SW-846 6010			
T2202342002	SB-2 @ 0-6"	DGMt/3281	SW-846 3050B
T2202342003	SB-3 @ 0-6"	DGMt/3281	SW-846 3050B
T2202342004	SB-4 @ 0-6"	DGMt/3281	SW-846 3050B
T2202342005	SB-5 @ 0-6"	DGMt/3281	SW-846 3050B
T2202342006	SB-6 @ 0-6"	DGMt/3281	SW-846 3050B
T2202342007	SB-7 @ 0-6"	DGMt/3281	SW-846 3050B
T2202342008	SB-8 @ 0-6"	DGMt/3281	SW-846 3050B
T2202342009	SB-9 @ 0-6"	DGMt/3281	SW-846 3050B
T2202342010	SB-10 @ 0-6"	DGMt/3281	SW-846 3050B
T2202342011	SB-11 @ 0-6"	DGMt/3281	SW-846 3050B
T2202342012	SB-12 @ 0-6"	DGMt/3281	SW-846 3050B
T2202342013	SB-13 @ 0-6"	DGMt/3281	SW-846 3050B
T2202342014	SB-14 @ 0-6"	DGMt/3281	SW-846 3050B
T2202342015	SB-15 @ 0-6"	DGMt/3281	SW-846 3050B
T2202342016	SB-16 @ 0-6"	DGMt/3281	SW-846 3050B
MSSt/1663 - SW-846 8270C (SIM)			
T2202342001	SB-1 @ 0-6"	EXTt/2422	SW-846 3550B
T2202342002	SB-2 @ 0-6"	EXTt/2422	SW-846 3550B
T2202342003	SB-3 @ 0-6"	EXTt/2422	SW-846 3550B
T2202342004	SB-4 @ 0-6"	EXTt/2422	SW-846 3550B
T2202342005	SB-5 @ 0-6"	EXTt/2422	SW-846 3550B
T2202342006	SB-6 @ 0-6"	EXTt/2422	SW-846 3550B
T2202342007	SB-7 @ 0-6"	EXTt/2422	SW-846 3550B
T2202342008	SB-8 @ 0-6"	EXTt/2422	SW-846 3550B
T2202342009	SB-9 @ 0-6"	EXTt/2422	SW-846 3550B
T2202342010	SB-10 @ 0-6"	EXTt/2422	SW-846 3550B
T2202342011	SB-11 @ 0-6"	EXTt/2422	SW-846 3550B
T2202342012	SB-12 @ 0-6"	EXTt/2422	SW-846 3550B

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
MSSt/1667 - SW-846 8270C			
T2202342001	SB-1 @ 0-6"	EXTt/2428	SW-846 3550B
T2202342002	SB-2 @ 0-6"	EXTt/2428	SW-846 3550B
T2202342003	SB-3 @ 0-6"	EXTt/2428	SW-846 3550B
T2202342004	SB-4 @ 0-6"	EXTt/2428	SW-846 3550B
T2202342005	SB-5 @ 0-6"	EXTt/2428	SW-846 3550B
T2202342006	SB-6 @ 0-6"	EXTt/2428	SW-846 3550B
T2202342007	SB-7 @ 0-6"	EXTt/2428	SW-846 3550B
T2202342008	SB-8 @ 0-6"	EXTt/2428	SW-846 3550B
T2202342009	SB-9 @ 0-6"	EXTt/2428	SW-846 3550B
T2202342010	SB-10 @ 0-6"	EXTt/2428	SW-846 3550B
T2202342011	SB-11 @ 0-6"	EXTt/2428	SW-846 3550B
T2202342012	SB-12 @ 0-6"	EXTt/2428	SW-846 3550B
T2202342013	SB-13 @ 0-6"	EXTt/2428	SW-846 3550B
T2202342014	SB-14 @ 0-6"	EXTt/2428	SW-846 3550B
T2202342015	SB-15 @ 0-6"	EXTt/2428	SW-846 3550B
T2202342016	SB-16 @ 0-6"	EXTt/2428	SW-846 3550B
MSSt/1671 - SW-846 8270C (SIM)			
T2202342013	SB-13 @ 0-6"	EXTt/2433	SW-846 3550B
T2202342014	SB-14 @ 0-6"	EXTt/2433	SW-846 3550B
T2202342015	SB-15 @ 0-6"	EXTt/2433	SW-846 3550B
T2202342016	SB-16 @ 0-6"	EXTt/2433	SW-846 3550B
MSVt/3548 - SW-846 8260B			
T2202342001	SB-1 @ 0-6"	MSVt/3547	SW-846 5035
T2202342002	SB-2 @ 0-6"	MSVt/3547	SW-846 5035
T2202342003	SB-3 @ 0-6"	MSVt/3547	SW-846 5035
T2202342004	SB-4 @ 0-6"	MSVt/3547	SW-846 5035
T2202342005	SB-5 @ 0-6"	MSVt/3547	SW-846 5035
T2202342006	SB-6 @ 0-6"	MSVt/3547	SW-846 5035
T2202342007	SB-7 @ 0-6"	MSVt/3547	SW-846 5035

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
MSVt/3551 - SW-846 8260B			
T2202342008	SB-8 @ 0-6"	MSVt/3550	SW-846 5035
T2202342009	SB-9 @ 0-6"	MSVt/3550	SW-846 5035
T2202342010	SB-10 @ 0-6"	MSVt/3550	SW-846 5035
T2202342011	SB-11 @ 0-6"	MSVt/3550	SW-846 5035
T2202342012	SB-12 @ 0-6"	MSVt/3550	SW-846 5035
T2202342013	SB-13 @ 0-6"	MSVt/3550	SW-846 5035
T2202342014	SB-14 @ 0-6"	MSVt/3550	SW-846 5035
T2202342015	SB-15 @ 0-6"		SW-846 5035
T2202342016	SB-16 @ 0-6"	MSVt/3550	SW-846 5035
WCAt/10081 - SM 2540G			
T2202342001	SB-1 @ 0-6"		
T2202342002	SB-2 @ 0-6"		
T2202342003	SB-3 @ 0-6"		
T2202342004	SB-4 @ 0-6"		
T2202342005	SB-5 @ 0-6"		
T2202342006	SB-6 @ 0-6"		
T2202342007	SB-7 @ 0-6"		
T2202342008	SB-8 @ 0-6"		
T2202342009	SB-9 @ 0-6"		
T2202342010	SB-10 @ 0-6"		
T2202342011	SB-11 @ 0-6"		
T2202342012	SB-12 @ 0-6"		
T2202342013	SB-13 @ 0-6"		
T2202342014	SB-14 @ 0-6"		
T2202342015	SB-15 @ 0-6"		
T2202342016	SB-16 @ 0-6"		

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

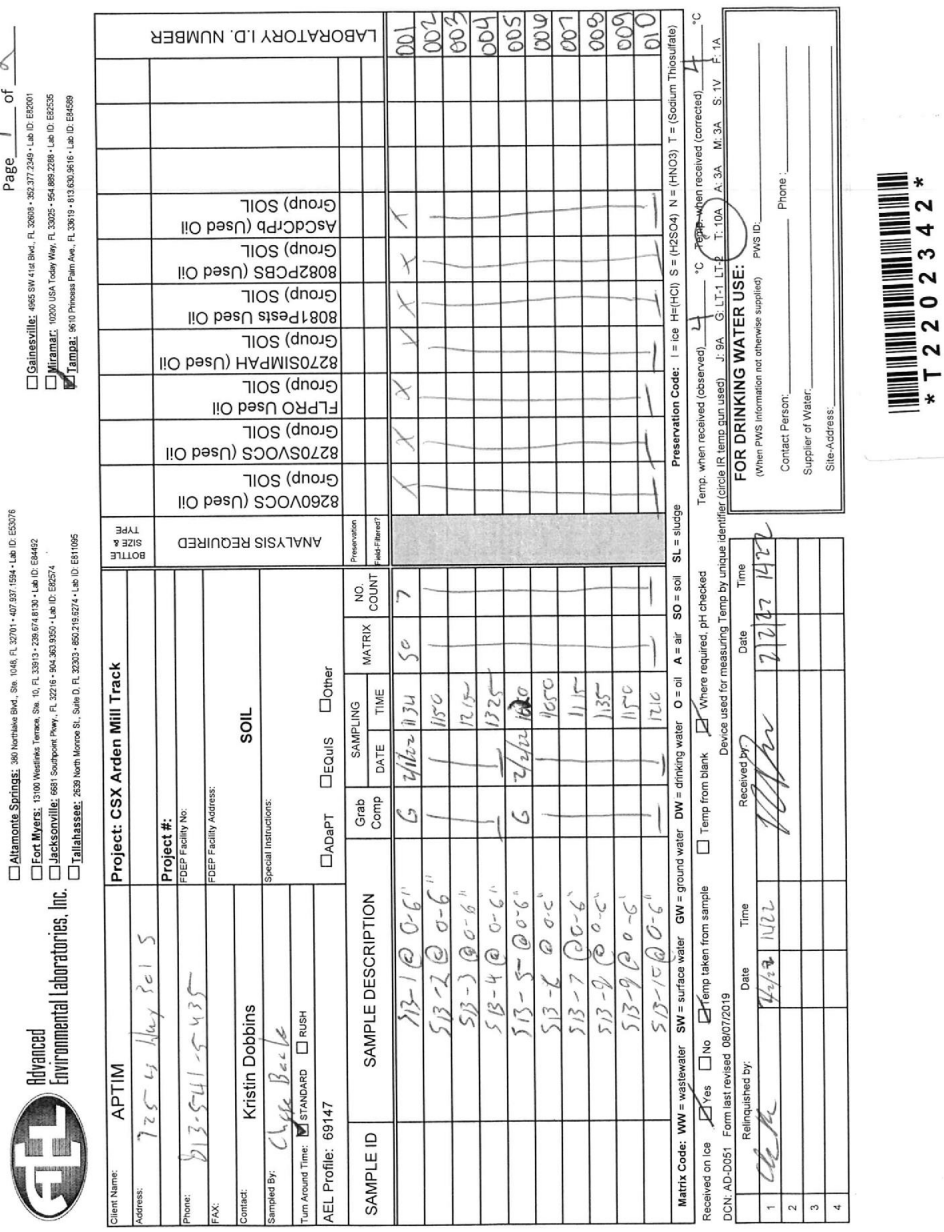
POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)



Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202342)

Advanced Environmental Laboratories, Inc.

☐ Altamonte Springs: 380 Northlake Blvd., Ste. 1048, FL 32701 • 407.937.1594 • Lab ID: E83076
☐ Fort Myers: 13100 Westlinks Terrace, Ste. 10, FL 33913 • 239.674.8130 • Lab ID: E84492
☐ Jacksonville: 6661 Southpoint Pkwy., FL 32216 • 904.363.1850 • Lab ID: E82574
☐ Tallahassee: 2639 North Monroe St., Suite D, FL 32303 • 850.219.6274 • Lab ID: E811095
☐ Gainesville: 4965 SW 41st Blvd., FL 32608 • 352.377.2349 • Lab ID: E82001
☐ Miramar: 10200 USA Today Way, FL 33025 • 954.889.2288 • Lab ID: E82535
☑ Tampa: 9610 Princess Palm Ave., FL 33619 • 813.630.9616 • Lab ID: E84589

Page 2 of 2

Client Name: APTIM
Address: 725 US Hwy 301 S
Phone: 813-545-4345
FAX:
Contact: Kristin Dobbins
Sampled By: Chase Beebe
Turn Around Time: ☑ STANDARD ☐ RUSH
AEL Profile: 69147

Project: CSX Arden Mill Track
Project #:
FDEP Facility No:
FDEP Facility Address:
SOIL
Special Instructions:
☐ADaPT ☐EQuIS ☐Other

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	BOTTLE SIZE & TYPE	ANALYSIS REQUIRED Preservation	Field-Filtered?	8260VOCS (Used Oil Group) SOIL	8270SVOCS (Used Oil Group) SOIL	FLPRO Used Oil Group) SOIL	8270SIMPAH (Used Oil Group) SOIL	8081Pests Used Oil Group) SOIL	8082PCBS (Used Oil Group) SOIL	AsCdCrPb (Used Oil Group) SOIL			LABORATORY I.D. NUMBER
	SB-11@ 0-6"	G	7/22	1225	SO	7				X	X	X	X	X	X	X			011
	SB-12@ 0-6"			1245															012
	SB-13@ 0-6"			1255															013
	SB-14@ 0-6"			1315															014
	SB-15@ 0-6"			1335															015
	SB-16@ 0-6"			1355															016

Matrix Code: WW = wastewater SW = surface water GW = ground water DW = drinking water O = oil A = air SO = soil SL = sludge
Preservation Code: I = Ice H=(HCl) S = (H2SO4) N = (HNO3) T = (Sodium Thiosulfate)

Received on Ice ☐ Yes ☐ No ☐ Temp taken from sample ☐ Temp from blank ☐ Where required, pH checked
Temp. when received (observed)____ °C Temp. when received (corrected)____ °C
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

DCN: AD-D051 Form last revised: 08/07/2019

	Relinquished by:	Date	Time	Received by:	Date	Time
1		2/7/22	1422		2/8	1422
2						
3						
4						

FOR DRINKING WATER USE:
(When PWS Information not otherwise supplied) PWS ID:____
Contact Person:____ Phone:____
Supplier of Water:____
Site-Address:____

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc.

Work Order: T2202342
Client: APTIM
Project ID: CSX Arden Mill Track

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: SW-846 8270C (SIM)

Preparation: SW-846 3550B

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: All acceptance criteria were met.

Blanks: All acceptance criteria were met.

Surrogates: All acceptance criteria were met.

Spikes: The matrix spike (MS) and duplicate (MSD) recoveries of Benzo(b)fluoranthene and Benzo(a)pyrene for T2202524001 were outside control criteria, due to suspected matrix interference. Recoveries in the Laboratory Control Sample (LCS) were within control criteria which indicates the analytical batch was in control. The extracts were brown in color. The matrix spike outliers suggest a potential low bias in this matrix. The affected analytes have been qualified accordingly.

Internal Standard: All acceptance criteria were met.

Samples: All acceptance criteria were met.

Other: All acceptance criteria were met.

Serial Dilution: All acceptance criteria were met.

Duplicates: All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: T2202342
Client: APTIM
Project ID: CSX Arden Mill Track

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation:	All holding times were met.
Analysis:	All holding times were met.

III. Method

Analysis:	SW-846 6010
Preparation:	SW-846 3050B

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration:	All acceptance criteria were met.
Blanks:	All acceptance criteria were met.
Surrogates:	All acceptance criteria were met.
Spikes	The matrix spike (MS) and Matrix Spike Duplicate (MSD) recoveries of Arsenic and Lead for T2202342002 were outside control criteria. Recoveries in the Laboratory Control Sample (LCS) 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 is required.
Internal Standard:	T2202342005-006, T2202342008-010, and T2202342015 had to be run at a dilution due to failure of the internal standard.
Samples:	All acceptance criteria were met.
Other:	All acceptance criteria were met.
Serial Dilution:	All acceptance criteria were met.
Duplicates:	All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: T2202342
Client: APTIM
Project ID: CSX Arden Mill Track

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: EPA 8081

Preparation: SW-846 3550B

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: All acceptance criteria were met.

Blanks: All acceptance criteria were met.

Surrogates: The lower control criteria were exceeded for surrogate(s) DCB in MB, T2202342013 , T2202524001 , 002 , 003 , 005 , 006 , 008 , 009 , 010 , 012 , T2202528004 , 005 , 006 , 007. The associated QC analysis recoveries of target compounds were in control, indicating the analysis was in control. The surrogate outliers were flagged accordingly. No further corrective action was required.

The upper control criterion was exceeded for the surrogates in sample T2202528003. 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. The outlier surrogates are qualified with a J4 to indicate potential matrix interference

Spikes The matrix spike (MS) and MSD recoveries of delta-BHC , DDT for T2202524001 were outside control criteria. Recoveries in the Laboratory Control Sample (LCS) 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 is required.

Internal Standard: All acceptance criteria were met.

Samples: All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Other:	All acceptance criteria were met.
Serial Dilution:	All acceptance criteria were met.
Duplicates:	All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: T2202342
Client: APTIM
Project ID: CSX Arden Mill Track

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: SW-846 8082A

Preparation: SW-846 3550B

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: All acceptance criteria were met.

Blanks: All acceptance criteria were met.

Surrogates: The upper control criterion was exceeded for the surrogates in sample T2202528003. 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. The outlier surrogates are qualified with a J4 to indicate potential matrix interference

The lower control criteria were exceeded for surrogate(s) DCB in MB , MSD , T2202342013 , T2202524002 , 005 , 006 , 008 , 009 , 010 , 012 , T2202528002 , 004 , 005 , 007. The associated QC analysis recoveries of target compounds were in control, indicating the analysis was in control. The surrogate outliers were flagged accordingly. No further corrective action was required.

Spikes All acceptance criteria were met.

Internal Standard: All acceptance criteria were met.

Samples: All acceptance criteria were met.

Other: All acceptance criteria were met.

Serial Dilution: All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Duplicates: All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: T2202342
Client: APTIM
Project ID: CSX Arden Mill Track

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: EPA 8081

Preparation: SW-846 3550B

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: All acceptance criteria were met.

Blanks: All acceptance criteria were met.

Surrogates: The upper control criterion was exceeded for the surrogates in sample T2202342009. 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. The outlier surrogates are qualified with a J4 to indicate potential matrix interference.
The lower control criteria were exceeded for surrogate(s) DCB in MB , T2202342001 , 002 , 003 , 004 , 005 , 010 , 011 , 012 , 014 , 015 , 016 , MS. The associated QC analysis recoveries of target compounds were in control, indicating the analysis was in control. The surrogate outliers were flagged accordingly. No further corrective action was required.

Spikes

	The relative percent difference (RPD) for the following analyte(s) in the replicate matrix spike analyses of T2202342001 was outside control criteria: alpha -BHC , delta-BHC , DDE , endrin aldehyde , endosulfan sulfate. Failing RPD indicates inconsistency in the parent sample matrix. All spike recoveries in the MS, MSD and associated LCS were within acceptable limits, indicating the analytical batch was in control. No further corrective action was needed. The matrix spike (MS) and MSD recoveries of delta-BHC for T2202342001 were outside control criteria. Recoveries in the Laboratory Control Sample (LCS) 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 is required.
Internal Standard:	All acceptance criteria were met.
Samples:	All acceptance criteria were met.
Other:	All acceptance criteria were met.
Serial Dilution:	All acceptance criteria were met.
Duplicates:	All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: T2202342
Client: APTIM
Project ID: CSX Arden Mill Track

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: SW-846 8082A

Preparation: SW-846 3550B

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: All acceptance criteria were met.

Blanks: All acceptance criteria were met.

Surrogates: The upper control criterion was exceeded for the surrogates in sample T2202342009. 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. The outlier surrogates are qualified with a J4 to indicate potential matrix interference

The lower control criteria were exceeded for surrogate(s) DCB in MB , T2202342001 , 002 , 003 , 004 , 005 , 010 , 011 , 012 , 014 , 015 , 016 , MS. The associated QC analysis recoveries of target compounds were in control, indicating the analysis was in control. The surrogate outliers were flagged accordingly. No further corrective action was required.

Spikes

Advanced Environmental Laboratories, Inc.

	The relative percent difference (RPD) for the following analyte(s) in the replicate matrix spike analyses of T2202342001 was outside control criteria: alpha -BHC , delta-BHC , DDE , endrin aldehyde , endosulfan sulfate. Failing RPD indicates inconsistency in the parent sample matrix. All spike recoveries in the MS, MSD and associated LCS were within acceptable limits, indicating the analytical batch was in control. No further corrective action was needed. The matrix spike (MS) and MSD recoveries of delta-BHC for T2202342001 were outside control criteria. Recoveries in the Laboratory Control Sample (LCS) 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 is required.
Internal Standard:	All acceptance criteria were met.
Samples:	All acceptance criteria were met.
Other:	All acceptance criteria were met.
Serial Dilution:	All acceptance criteria were met.
Duplicates:	All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: T2202342
Client: APTIM
Project ID: CSX Arden Mill Track

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: SW-846 8270C (SIM)

Preparation: SW-846 3550B

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: All acceptance criteria were met.

Blanks: All acceptance criteria were met.

Surrogates: The upper control criterion was exceeded for the following surrogate in T2202338007 due to matrix interference: Nitrobenzene-d5. 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. No further corrective action was required.

Spikes All acceptance criteria were met.

Internal Standard: All acceptance criteria were met.

Samples: All acceptance criteria were met.

Other: All acceptance criteria were met.

Serial Dilution: All acceptance criteria were met.

Duplicates: All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: T2202342
Client: APTIM
Project ID: CSX Arden Mill Track

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation:	All holding times were met.
Analysis:	All holding times were met.

III. Method

Analysis:	SW-846 8270C
Preparation:	SW-846 3550B

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration:	All acceptance criteria were met.
Blanks:	All acceptance criteria were met.
Surrogates:	All acceptance criteria were met.
Spikes	The relative percent difference (RPD) for the following analytes in the replicate matrix spike analyses of T2202342005 was outside control criteria: a,a-Dimethylphenethylamine and Benzidine. Failing RPD indicates inconsistency in the parent sample matrix. All spike recoveries in the MS, MSD and associated LCS were within acceptable limits, indicating the analytical batch was in control. No further corrective action was needed.
Internal Standard:	All acceptance criteria were met.
Samples:	All acceptance criteria were met.
Other:	All acceptance criteria were met.
Serial Dilution:	All acceptance criteria were met.
Duplicates:	All acceptance criteria were met.

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

February 14, 2022

Kristin Dobbins
Aptim
725 US Hwy 1
Tampa, FL 33619

RE: Workorder: T2202528 CSX Arden Mill Track

Dear Kristin Dobbins:

Enclosed are the analytical results for sample(s) received by the laboratory on Friday February 4, 2022. 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,

Sue Bell, Sr Project Manager
SBell@aellab.com

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported
T2202528001	SB-27@0-6"	SO	EPA 8081	02/03/2022 09:40	02/04/2022 14:20	19
T2202528001	SB-27@0-6"	SO	FL-PRO	02/03/2022 09:40	02/04/2022 14:20	1
T2202528001	SB-27@0-6"	SO	SM 2540G	02/03/2022 09:40	02/04/2022 14:20	1
T2202528001	SB-27@0-6"	SO	SW-846 6010	02/03/2022 09:40	02/04/2022 14:20	4
T2202528001	SB-27@0-6"	SO	SW-846 8082A	02/03/2022 09:40	02/04/2022 14:20	7
T2202528001	SB-27@0-6"	SO	SW-846 8260B	02/03/2022 09:40	02/04/2022 14:20	37
T2202528001	SB-27@0-6"	SO	SW-846 8270C	02/03/2022 09:40	02/04/2022 14:20	59
T2202528001	SB-27@0-6"	SO	SW-846 8270C (SIM)	02/03/2022 09:40	02/04/2022 14:20	18
T2202528002	SB-26@0-6"	SO	EPA 8081	02/03/2022 10:00	02/04/2022 14:20	19
T2202528002	SB-26@0-6"	SO	FL-PRO	02/03/2022 10:00	02/04/2022 14:20	1
T2202528002	SB-26@0-6"	SO	SM 2540G	02/03/2022 10:00	02/04/2022 14:20	1
T2202528002	SB-26@0-6"	SO	SW-846 6010	02/03/2022 10:00	02/04/2022 14:20	4
T2202528002	SB-26@0-6"	SO	SW-846 8082A	02/03/2022 10:00	02/04/2022 14:20	7
T2202528002	SB-26@0-6"	SO	SW-846 8260B	02/03/2022 10:00	02/04/2022 14:20	37
T2202528002	SB-26@0-6"	SO	SW-846 8270C	02/03/2022 10:00	02/04/2022 14:20	59
T2202528002	SB-26@0-6"	SO	SW-846 8270C (SIM)	02/03/2022 10:00	02/04/2022 14:20	18
T2202528003	SB-25@0-6"	SO	EPA 8081	02/03/2022 10:20	02/04/2022 14:20	19
T2202528003	SB-25@0-6"	SO	FL-PRO	02/03/2022 10:20	02/04/2022 14:20	1
T2202528003	SB-25@0-6"	SO	SM 2540G	02/03/2022 10:20	02/04/2022 14:20	1
T2202528003	SB-25@0-6"	SO	SW-846 6010	02/03/2022 10:20	02/04/2022 14:20	4
T2202528003	SB-25@0-6"	SO	SW-846 8082A	02/03/2022 10:20	02/04/2022 14:20	7
T2202528003	SB-25@0-6"	SO	SW-846 8260B	02/03/2022 10:20	02/04/2022 14:20	37
T2202528003	SB-25@0-6"	SO	SW-846 8270C	02/03/2022 10:20	02/04/2022 14:20	59
T2202528003	SB-25@0-6"	SO	SW-846 8270C (SIM)	02/03/2022 10:20	02/04/2022 14:20	18
T2202528004	SB-24@0-6"	SO	EPA 8081	02/03/2022 10:40	02/04/2022 14:20	19
T2202528004	SB-24@0-6"	SO	FL-PRO	02/03/2022 10:40	02/04/2022 14:20	1
T2202528004	SB-24@0-6"	SO	SM 2540G	02/03/2022 10:40	02/04/2022 14:20	1
T2202528004	SB-24@0-6"	SO	SW-846 6010	02/03/2022 10:40	02/04/2022 14:20	4
T2202528004	SB-24@0-6"	SO	SW-846 8082A	02/03/2022 10:40	02/04/2022 14:20	7
T2202528004	SB-24@0-6"	SO	SW-846 8260B	02/03/2022 10:40	02/04/2022 14:20	37
T2202528004	SB-24@0-6"	SO	SW-846 8270C	02/03/2022 10:40	02/04/2022 14:20	59
T2202528004	SB-24@0-6"	SO	SW-846 8270C (SIM)	02/03/2022 10:40	02/04/2022 14:20	18
T2202528005	SB-23@0-6"	SO	EPA 8081	02/03/2022 11:00	02/04/2022 14:20	19
T2202528005	SB-23@0-6"	SO	FL-PRO	02/03/2022 11:00	02/04/2022 14:20	1
T2202528005	SB-23@0-6"	SO	SM 2540G	02/03/2022 11:00	02/04/2022 14:20	1

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported
T2202528005	SB-23@0-6"	SO	SW-846 6010	02/03/2022 11:00	02/04/2022 14:20	4
T2202528005	SB-23@0-6"	SO	SW-846 8082A	02/03/2022 11:00	02/04/2022 14:20	7
T2202528005	SB-23@0-6"	SO	SW-846 8260B	02/03/2022 11:00	02/04/2022 14:20	37
T2202528005	SB-23@0-6"	SO	SW-846 8270C	02/03/2022 11:00	02/04/2022 14:20	59
T2202528005	SB-23@0-6"	SO	SW-846 8270C (SIM)	02/03/2022 11:00	02/04/2022 14:20	18
T2202528006	SB-22@0-6"	SO	EPA 8081	02/03/2022 11:20	02/04/2022 14:20	19
T2202528006	SB-22@0-6"	SO	FL-PRO	02/03/2022 11:20	02/04/2022 14:20	1
T2202528006	SB-22@0-6"	SO	SM 2540G	02/03/2022 11:20	02/04/2022 14:20	1
T2202528006	SB-22@0-6"	SO	SW-846 6010	02/03/2022 11:20	02/04/2022 14:20	4
T2202528006	SB-22@0-6"	SO	SW-846 8082A	02/03/2022 11:20	02/04/2022 14:20	7
T2202528006	SB-22@0-6"	SO	SW-846 8260B	02/03/2022 11:20	02/04/2022 14:20	37
T2202528006	SB-22@0-6"	SO	SW-846 8270C	02/03/2022 11:20	02/04/2022 14:20	59
T2202528006	SB-22@0-6"	SO	SW-846 8270C (SIM)	02/03/2022 11:20	02/04/2022 14:20	18
T2202528007	SB-21@0-6"	SO	EPA 8081	02/03/2022 11:40	02/04/2022 14:20	19
T2202528007	SB-21@0-6"	SO	FL-PRO	02/03/2022 11:40	02/04/2022 14:20	1
T2202528007	SB-21@0-6"	SO	SM 2540G	02/03/2022 11:40	02/04/2022 14:20	1
T2202528007	SB-21@0-6"	SO	SW-846 6010	02/03/2022 11:40	02/04/2022 14:20	4
T2202528007	SB-21@0-6"	SO	SW-846 8082A	02/03/2022 11:40	02/04/2022 14:20	7
T2202528007	SB-21@0-6"	SO	SW-846 8260B	02/03/2022 11:40	02/04/2022 14:20	37
T2202528007	SB-21@0-6"	SO	SW-846 8270C	02/03/2022 11:40	02/04/2022 14:20	59
T2202528007	SB-21@0-6"	SO	SW-846 8270C (SIM)	02/03/2022 11:40	02/04/2022 14:20	18
T2202528008	SB-20@0-6"	SO	EPA 8081	02/03/2022 12:00	02/04/2022 14:20	19
T2202528008	SB-20@0-6"	SO	FL-PRO	02/03/2022 12:00	02/04/2022 14:20	1
T2202528008	SB-20@0-6"	SO	SM 2540G	02/03/2022 12:00	02/04/2022 14:20	1
T2202528008	SB-20@0-6"	SO	SW-846 6010	02/03/2022 12:00	02/04/2022 14:20	4
T2202528008	SB-20@0-6"	SO	SW-846 8082A	02/03/2022 12:00	02/04/2022 14:20	7
T2202528008	SB-20@0-6"	SO	SW-846 8260B	02/03/2022 12:00	02/04/2022 14:20	37
T2202528008	SB-20@0-6"	SO	SW-846 8270C	02/03/2022 12:00	02/04/2022 14:20	59
T2202528008	SB-20@0-6"	SO	SW-846 8270C (SIM)	02/03/2022 12:00	02/04/2022 14:20	18
T2202528009	SB-19@0-6"	SO	EPA 8081	02/03/2022 12:20	02/04/2022 14:20	19
T2202528009	SB-19@0-6"	SO	FL-PRO	02/03/2022 12:20	02/04/2022 14:20	1
T2202528009	SB-19@0-6"	SO	SM 2540G	02/03/2022 12:20	02/04/2022 14:20	1
T2202528009	SB-19@0-6"	SO	SW-846 6010	02/03/2022 12:20	02/04/2022 14:20	4
T2202528009	SB-19@0-6"	SO	SW-846 8082A	02/03/2022 12:20	02/04/2022 14:20	7
T2202528009	SB-19@0-6"	SO	SW-846 8260B	02/03/2022 12:20	02/04/2022 14:20	37

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported
T2202528009	SB-19@0-6"	SO	SW-846 8270C	02/03/2022 12:20	02/04/2022 14:20	59
T2202528009	SB-19@0-6"	SO	SW-846 8270C (SIM)	02/03/2022 12:20	02/04/2022 14:20	18
T2202528010	SB-18@0-6"	SO	EPA 8081	02/03/2022 12:40	02/04/2022 14:20	19
T2202528010	SB-18@0-6"	SO	FL-PRO	02/03/2022 12:40	02/04/2022 14:20	1
T2202528010	SB-18@0-6"	SO	SM 2540G	02/03/2022 12:40	02/04/2022 14:20	1
T2202528010	SB-18@0-6"	SO	SW-846 6010	02/03/2022 12:40	02/04/2022 14:20	4
T2202528010	SB-18@0-6"	SO	SW-846 8082A	02/03/2022 12:40	02/04/2022 14:20	7
T2202528010	SB-18@0-6"	SO	SW-846 8260B	02/03/2022 12:40	02/04/2022 14:20	37
T2202528010	SB-18@0-6"	SO	SW-846 8270C	02/03/2022 12:40	02/04/2022 14:20	59
T2202528010	SB-18@0-6"	SO	SW-846 8270C (SIM)	02/03/2022 12:40	02/04/2022 14:20	18
T2202528011	SB-17@0-6"	SO	EPA 8081	02/03/2022 13:00	02/04/2022 14:20	19
T2202528011	SB-17@0-6"	SO	FL-PRO	02/03/2022 13:00	02/04/2022 14:20	1
T2202528011	SB-17@0-6"	SO	SM 2540G	02/03/2022 13:00	02/04/2022 14:20	1
T2202528011	SB-17@0-6"	SO	SW-846 6010	02/03/2022 13:00	02/04/2022 14:20	4
T2202528011	SB-17@0-6"	SO	SW-846 8082A	02/03/2022 13:00	02/04/2022 14:20	7
T2202528011	SB-17@0-6"	SO	SW-846 8260B	02/03/2022 13:00	02/04/2022 14:20	37
T2202528011	SB-17@0-6"	SO	SW-846 8270C	02/03/2022 13:00	02/04/2022 14:20	59
T2202528011	SB-17@0-6"	SO	SW-846 8270C (SIM)	02/03/2022 13:00	02/04/2022 14:20	18
T2202528012	SB-28@0-6"	SO	EPA 8081	02/03/2022 13:20	02/04/2022 14:20	19
T2202528012	SB-28@0-6"	SO	FL-PRO	02/03/2022 13:20	02/04/2022 14:20	1
T2202528012	SB-28@0-6"	SO	SM 2540G	02/03/2022 13:20	02/04/2022 14:20	1
T2202528012	SB-28@0-6"	SO	SW-846 6010	02/03/2022 13:20	02/04/2022 14:20	4
T2202528012	SB-28@0-6"	SO	SW-846 8082A	02/03/2022 13:20	02/04/2022 14:20	7
T2202528012	SB-28@0-6"	SO	SW-846 8260B	02/03/2022 13:20	02/04/2022 14:20	37
T2202528012	SB-28@0-6"	SO	SW-846 8270C	02/03/2022 13:20	02/04/2022 14:20	59
T2202528012	SB-28@0-6"	SO	SW-846 8270C (SIM)	02/03/2022 13:20	02/04/2022 14:20	18

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

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.
J4	Estimated Result

Lab Qualifiers

M	DOH Certification #E82535 (FL NELAC) AEL-Miami
T	DOH Certification #E84589 (FL NELAC) AEL-Tampa

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528001 **Date Collected:** 02/03/2022 09:40 **Matrix:** Soil
Sample ID: SB-27@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**1.6**	mg/Kg	0.32	0.16	1	02/08/2022 15:00	02/09/2022 18:19	T
Cadmium	0.032 U	mg/Kg	0.065	0.032	1	02/08/2022 15:00	02/09/2022 18:19	T
Chromium	**3.8**	mg/Kg	0.32	0.26	1	02/08/2022 15:00	02/09/2022 18:19	T
Lead	**62**	mg/Kg	0.32	0.16	1	02/08/2022 15:00	02/09/2022 18:19	T
SEMIVOLATILES (FL-PRO)								
TPH	6.4 U	mg/Kg	18	6.4	1	02/09/2022 09:30	02/09/2022 18:24	T
SEMIVOLATILES (SW-846 3550B/EPA 8081)								
4,4`-DDD	0.0012 U	mg/Kg	0.0019	0.0012	1	02/07/2022 07:30	02/07/2022 20:37	M
4,4`-DDE	0.0012 U	mg/Kg	0.0019	0.0012	1	02/07/2022 07:30	02/07/2022 20:37	M
4,4`-DDT	0.0012 U	mg/Kg	0.0019	0.0012	1	02/07/2022 07:30	02/07/2022 20:37	M
Aldrin	0.0012 U	mg/Kg	0.0019	0.0012	1	02/07/2022 07:30	02/07/2022 20:37	M
Chlordane (technical)	0.011 U	mg/Kg	0.037	0.011	1	02/07/2022 07:30	02/07/2022 20:37	M
Dieldrin	0.0012 U	mg/Kg	0.0019	0.0012	1	02/07/2022 07:30	02/07/2022 20:37	M
Endosulfan I	0.0012 U	mg/Kg	0.0019	0.0012	1	02/07/2022 07:30	02/07/2022 20:37	M
Endosulfan II	0.0012 U	mg/Kg	0.0019	0.0012	1	02/07/2022 07:30	02/07/2022 20:37	M
Endosulfan Sulfate	0.0012 U	mg/Kg	0.0019	0.0012	1	02/07/2022 07:30	02/07/2022 20:37	M
Endrin	0.0012 U	mg/Kg	0.0019	0.0012	1	02/07/2022 07:30	02/07/2022 20:37	M
Endrin Aldehyde	0.0012 U	mg/Kg	0.0019	0.0012	1	02/07/2022 07:30	02/07/2022 20:37	M
Heptachlor	0.0012 U	mg/Kg	0.0019	0.0012	1	02/07/2022 07:30	02/07/2022 20:37	M
Heptachlor Epoxide	0.0012 U	mg/Kg	0.0019	0.0012	1	02/07/2022 07:30	02/07/2022 20:37	M
Methoxychlor	0.0012 U	mg/Kg	0.0019	0.0012	1	02/07/2022 07:30	02/07/2022 20:37	M
Toxaphene	0.012 U	mg/Kg	0.037	0.012	1	02/07/2022 07:30	02/07/2022 20:37	M
alpha-BHC	0.0012 U	mg/Kg	0.0019	0.0012	1	02/07/2022 07:30	02/07/2022 20:37	M
beta-BHC	0.0012 U	mg/Kg	0.0019	0.0012	1	02/07/2022 07:30	02/07/2022 20:37	M
delta-BHC	0.0012 U	mg/Kg	0.0019	0.0012	1	02/07/2022 07:30	02/07/2022 20:37	M
gamma-BHC (Lindane)	0.0012 U	mg/Kg	0.0019	0.0012	1	02/07/2022 07:30	02/07/2022 20:37	M
SEMIVOLATILES (SW-846 3550B/SW-846 8082A)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528001 **Date Collected:** 02/03/2022 09:40 **Matrix:** Soil
Sample ID: SB-27@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Aroclor 1016 (PCB-1016)	0.022 U	mg/Kg	0.037	0.022	1	02/07/2022 07:30	02/07/2022 20:37	M
Aroclor 1221 (PCB-1221)	0.026 U	mg/Kg	0.037	0.026	1	02/07/2022 07:30	02/07/2022 20:37	M
Aroclor 1232 (PCB-1232)	0.035 U	mg/Kg	0.037	0.035	1	02/07/2022 07:30	02/07/2022 20:37	M
Aroclor 1242 (PCB-1242)	0.028 U	mg/Kg	0.037	0.028	1	02/07/2022 07:30	02/07/2022 20:37	M
Aroclor 1248 (PCB-1248)	0.013 U	mg/Kg	0.037	0.013	1	02/07/2022 07:30	02/07/2022 20:37	M
Aroclor 1254 (PCB-1254)	0.0075 U	mg/Kg	0.037	0.0075	1	02/07/2022 07:30	02/07/2022 20:37	M
Aroclor 1260 (PCB-1260)	0.045 U	mg/Kg	0.075	0.045	1	02/07/2022 07:30	02/07/2022 20:37	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	0.0020 U	mg/Kg	0.011	0.0020	1	02/09/2022 09:30	02/09/2022 17:59	T
2-Methylnaphthalene	0.0026 U	mg/Kg	0.011	0.0026	1	02/09/2022 09:30	02/09/2022 17:59	T
Acenaphthene	0.0019 U	mg/Kg	0.011	0.0019	1	02/09/2022 09:30	02/09/2022 17:59	T
Acenaphthylene	0.0023 U	mg/Kg	0.011	0.0023	1	02/09/2022 09:30	02/09/2022 17:59	T
Anthracene	0.0032 U	mg/Kg	0.011	0.0032	1	02/09/2022 09:30	02/09/2022 17:59	T
Benzo[a]anthracene	0.0026 U	mg/Kg	0.011	0.0026	1	02/09/2022 09:30	02/09/2022 17:59	T
Benzo[a]pyrene	**0.0029 I**	mg/Kg	0.011	0.0022	1	02/09/2022 09:30	02/09/2022 17:59	T
Benzo[b]fluoranthene	**0.0043 I**	mg/Kg	0.011	0.0020	1	02/09/2022 09:30	02/09/2022 17:59	T
Benzo[g,h,i]perylene	**0.0035 I**	mg/Kg	0.011	0.0025	1	02/09/2022 09:30	02/09/2022 17:59	T
Benzo[k]fluoranthene	0.0030 U	mg/Kg	0.011	0.0030	1	02/09/2022 09:30	02/09/2022 17:59	T
Chrysene	0.0038 U	mg/Kg	0.011	0.0038	1	02/09/2022 09:30	02/09/2022 17:59	T
Dibenzo[a,h]anthracene	0.0021 U	mg/Kg	0.011	0.0021	1	02/09/2022 09:30	02/09/2022 17:59	T
Fluoranthene	0.0036 U	mg/Kg	0.011	0.0036	1	02/09/2022 09:30	02/09/2022 17:59	T
Fluorene	0.0028 U	mg/Kg	0.011	0.0028	1	02/09/2022 09:30	02/09/2022 17:59	T
Indeno(1,2,3-cd)pyrene	0.0030 U	mg/Kg	0.011	0.0030	1	02/09/2022 09:30	02/09/2022 17:59	T
Naphthalene	0.0022 U	mg/Kg	0.011	0.0022	1	02/09/2022 09:30	02/09/2022 17:59	T
Phenanthrene	0.0028 U	mg/Kg	0.011	0.0028	1	02/09/2022 09:30	02/09/2022 17:59	T
Pyrene	**0.0030 I**	mg/Kg	0.011	0.0030	1	02/09/2022 09:30	02/09/2022 17:59	T
SEMIVOLATILES (SW-846 3550B/SW-846 8270C)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528001 **Date Collected:** 02/03/2022 09:40 **Matrix:** Soil
Sample ID: SB-27@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,2,4-Trichlorobenzene	0.037 U	mg/Kg	0.25	0.037	1	02/09/2022 10:00	02/09/2022 17:59	T
1,2-Dichlorobenzene	0.051 U	mg/Kg	0.25	0.051	1	02/09/2022 10:00	02/09/2022 17:59	T
1,2-Diphenylhydrazine	0.097 U	mg/Kg	0.25	0.097	1	02/09/2022 10:00	02/09/2022 17:59	T
1,3-Dichlorobenzene	0.026 U	mg/Kg	0.25	0.026	1	02/09/2022 10:00	02/09/2022 17:59	T
1,4-Dichlorobenzene	0.056 U	mg/Kg	0.25	0.056	1	02/09/2022 10:00	02/09/2022 17:59	T
1-Methylnaphthalene	0.0049 U	mg/Kg	0.25	0.0049	1	02/09/2022 10:00	02/09/2022 17:59	T
2,4,6-Trichlorophenol	0.047 U	mg/Kg	0.25	0.047	1	02/09/2022 10:00	02/09/2022 17:59	T
2,4-Dichlorophenol	0.053 U	mg/Kg	0.25	0.053	1	02/09/2022 10:00	02/09/2022 17:59	T
2,4-Dimethylphenol	0.053 U	mg/Kg	0.25	0.053	1	02/09/2022 10:00	02/09/2022 17:59	T
2,4-Dinitrophenol	0.15 U	mg/Kg	0.25	0.15	1	02/09/2022 10:00	02/09/2022 17:59	T
2,4-Dinitrotoluene (2,4-DNT)	0.080 U	mg/Kg	0.25	0.080	1	02/09/2022 10:00	02/09/2022 17:59	T
2,6-Dinitrotoluene (2,6-DNT)	0.063 U	mg/Kg	0.25	0.063	1	02/09/2022 10:00	02/09/2022 17:59	T
2-Chloronaphthalene	0.049 U	mg/Kg	0.25	0.049	1	02/09/2022 10:00	02/09/2022 17:59	T
2-Chlorophenol	0.045 U	mg/Kg	0.25	0.045	1	02/09/2022 10:00	02/09/2022 17:59	T
2-Methyl-4,6-dinitrophenol	0.056 U	mg/Kg	0.25	0.056	1	02/09/2022 10:00	02/09/2022 17:59	T
2-Methylnaphthalene	0.0060 U	mg/Kg	0.25	0.0060	1	02/09/2022 10:00	02/09/2022 17:59	T
2-Nitrophenol	0.056 U	mg/Kg	0.25	0.056	1	02/09/2022 10:00	02/09/2022 17:59	T
3,3`-Dichlorobenzidine	0.034 U	mg/Kg	0.25	0.034	1	02/09/2022 10:00	02/09/2022 17:59	T
4-Bromophenyl Phenyl Ether	0.064 U	mg/Kg	0.25	0.064	1	02/09/2022 10:00	02/09/2022 17:59	T
4-Chloro-3-methylphenol	0.053 U	mg/Kg	0.25	0.053	1	02/09/2022 10:00	02/09/2022 17:59	T
4-Chlorophenyl Phenyl Ether	0.055 U	mg/Kg	0.25	0.055	1	02/09/2022 10:00	02/09/2022 17:59	T
4-Nitrophenol	0.071 U	mg/Kg	0.25	0.071	1	02/09/2022 10:00	02/09/2022 17:59	T
Acenaphthene	0.0057 U	mg/Kg	0.25	0.0057	1	02/09/2022 10:00	02/09/2022 17:59	T
Acenaphthylene	0.0064 U	mg/Kg	0.25	0.0064	1	02/09/2022 10:00	02/09/2022 17:59	T
Anthracene	0.0063 U	mg/Kg	0.25	0.0063	1	02/09/2022 10:00	02/09/2022 17:59	T
Benzidine	0.050 U	mg/Kg	0.25	0.050	1	02/09/2022 10:00	02/09/2022 17:59	T
Benzo[a]anthracene	0.0057 U	mg/Kg	0.25	0.0057	1	02/09/2022 10:00	02/09/2022 17:59	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528001 **Date Collected:** 02/03/2022 09:40 **Matrix:** Soil
Sample ID: SB-27@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[a]pyrene	0.0054 U	mg/Kg	0.25	0.0054	1	02/09/2022 10:00	02/09/2022 17:59	T
Benzo[b]fluoranthene	0.0080 U	mg/Kg	0.25	0.0080	1	02/09/2022 10:00	02/09/2022 17:59	T
Benzo[g,h,i]perylene	0.0047 U	mg/Kg	0.25	0.0047	1	02/09/2022 10:00	02/09/2022 17:59	T
Benzo[k]fluoranthene	0.0084 U	mg/Kg	0.25	0.0084	1	02/09/2022 10:00	02/09/2022 17:59	T
Butyl benzyl phthalate	0.035 U	mg/Kg	0.25	0.035	1	02/09/2022 10:00	02/09/2022 17:59	T
Chrysene	0.0064 U	mg/Kg	0.25	0.0064	1	02/09/2022 10:00	02/09/2022 17:59	T
Di-n-Butyl Phthalate	0.052 U	mg/Kg	0.25	0.052	1	02/09/2022 10:00	02/09/2022 17:59	T
Di-n-octyl Phthalate	0.033 U	mg/Kg	0.25	0.033	1	02/09/2022 10:00	02/09/2022 17:59	T
Dibenzo[a,h]anthracene	0.0048 U	mg/Kg	0.25	0.0048	1	02/09/2022 10:00	02/09/2022 17:59	T
Diethyl phthalate	0.049 U	mg/Kg	0.25	0.049	1	02/09/2022 10:00	02/09/2022 17:59	T
Dimethyl phthalate	0.047 U	mg/Kg	0.25	0.047	1	02/09/2022 10:00	02/09/2022 17:59	T
Fluoranthene	0.061 U	mg/Kg	0.25	0.061	1	02/09/2022 10:00	02/09/2022 17:59	T
Fluorene	0.0056 U	mg/Kg	0.25	0.0056	1	02/09/2022 10:00	02/09/2022 17:59	T
Hexachlorobenzene	0.074 U	mg/Kg	0.25	0.074	1	02/09/2022 10:00	02/09/2022 17:59	T
Hexachlorobutadiene	0.041 U	mg/Kg	0.25	0.041	1	02/09/2022 10:00	02/09/2022 17:59	T
Hexachlorocyclopentadiene	0.042 U	mg/Kg	0.25	0.042	1	02/09/2022 10:00	02/09/2022 17:59	T
Hexachloroethane	0.035 U	mg/Kg	0.25	0.035	1	02/09/2022 10:00	02/09/2022 17:59	T
Indeno(1,2,3-cd)pyrene	0.0050 U	mg/Kg	0.25	0.0050	1	02/09/2022 10:00	02/09/2022 17:59	T
Isophorone	0.028 U	mg/Kg	0.25	0.028	1	02/09/2022 10:00	02/09/2022 17:59	T
N-Nitrosodi-n-propylamine	0.045 U	mg/Kg	0.25	0.045	1	02/09/2022 10:00	02/09/2022 17:59	T
N-Nitrosodimethylamine	0.011 U	mg/Kg	0.25	0.011	1	02/09/2022 10:00	02/09/2022 17:59	T
N-Nitrosodiphenylamine	0.033 U	mg/Kg	0.25	0.033	1	02/09/2022 10:00	02/09/2022 17:59	T
Naphthalene	0.0060 U	mg/Kg	0.25	0.0060	1	02/09/2022 10:00	02/09/2022 17:59	T
Nitrobenzene	0.060 U	mg/Kg	0.25	0.060	1	02/09/2022 10:00	02/09/2022 17:59	T
Pentachlorophenol	0.084 U	mg/Kg	0.25	0.084	1	02/09/2022 10:00	02/09/2022 17:59	T
Phenanthrene	0.0072 U	mg/Kg	0.25	0.0072	1	02/09/2022 10:00	02/09/2022 17:59	T
Phenol	0.050 U	mg/Kg	0.25	0.050	1	02/09/2022 10:00	02/09/2022 17:59	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528001 **Date Collected:** 02/03/2022 09:40 **Matrix:** Soil
Sample ID: SB-27@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	0.0054 U	mg/Kg	0.25	0.0054	1	02/09/2022 10:00	02/09/2022 17:59	T
bis(2-Chloroethoxy)methane	0.037 U	mg/Kg	0.25	0.037	1	02/09/2022 10:00	02/09/2022 17:59	T
bis(2-Chloroethyl)Ether	0.052 U	mg/Kg	0.25	0.052	1	02/09/2022 10:00	02/09/2022 17:59	T
bis(2-Chloroisopropyl) Ether	0.046 U	mg/Kg	0.25	0.046	1	02/09/2022 10:00	02/09/2022 17:59	T
bis(2-Ethylhexyl) phthalate	0.040 U	mg/Kg	0.25	0.040	1	02/09/2022 10:00	02/09/2022 17:59	T
(SM 2540G)								
Percent Moisture	**22**	%	0.001	0.0010	1	02/08/2022 09:30	02/08/2022 09:30	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1-Trichloroethane	0.00074 U	mg/Kg	0.0032	0.00074	1	02/07/2022 16:36	02/07/2022 23:05	T
1,1,2,2-Tetrachloroethane	0.00054 U	mg/Kg	0.0032	0.00054	1	02/07/2022 16:36	02/07/2022 23:05	T
1,1,2-Trichloroethane	0.00052 U	mg/Kg	0.0032	0.00052	1	02/07/2022 16:36	02/07/2022 23:05	T
1,1-Dichloroethane	0.00074 U	mg/Kg	0.0032	0.00074	1	02/07/2022 16:36	02/07/2022 23:05	T
1,1-Dichloroethylene	0.00078 U	mg/Kg	0.0032	0.00078	1	02/07/2022 16:36	02/07/2022 23:05	T
1,2-Dichlorobenzene	0.00050 U	mg/Kg	0.0032	0.00050	1	02/07/2022 16:36	02/07/2022 23:05	T
1,2-Dichloroethane	0.00083 U	mg/Kg	0.0032	0.00083	1	02/07/2022 16:36	02/07/2022 23:05	T
1,2-Dichloropropane	0.00057 U	mg/Kg	0.0032	0.00057	1	02/07/2022 16:36	02/07/2022 23:05	T
1,3-Dichlorobenzene	0.00059 U	mg/Kg	0.0032	0.00059	1	02/07/2022 16:36	02/07/2022 23:05	T
1,4-Dichlorobenzene	0.00070 U	mg/Kg	0.0032	0.00070	1	02/07/2022 16:36	02/07/2022 23:05	T
2-Chloroethyl Vinyl Ether	0.0028 U	mg/Kg	0.0032	0.0028	1	02/07/2022 16:36	02/07/2022 23:05	T
Acrolein (Propenal)	0.0066 U	mg/Kg	0.016	0.0066	1	02/07/2022 16:36	02/07/2022 23:05	T
Acrylonitrile	0.00055 U	mg/Kg	0.0032	0.00055	1	02/07/2022 16:36	02/07/2022 23:05	T
Benzene	0.00053 U	mg/Kg	0.0032	0.00053	1	02/07/2022 16:36	02/07/2022 23:05	T
Bromodichloromethane	0.00056 U	mg/Kg	0.0032	0.00056	1	02/07/2022 16:36	02/07/2022 23:05	T
Bromoform	0.0021 U	mg/Kg	0.0032	0.0021	1	02/07/2022 16:36	02/07/2022 23:05	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528001 **Date Collected:** 02/03/2022 09:40 **Matrix:** Soil
Sample ID: SB-27@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Bromomethane	0.0013 U	mg/Kg	0.0032	0.0013	1	02/07/2022 16:36	02/07/2022 23:05	T
Carbon Tetrachloride	0.00090 U	mg/Kg	0.0032	0.00090	1	02/07/2022 16:36	02/07/2022 23:05	T
Chlorobenzene	0.00047 U	mg/Kg	0.0032	0.00047	1	02/07/2022 16:36	02/07/2022 23:05	T
Chloroethane	0.0016 U	mg/Kg	0.0032	0.0016	1	02/07/2022 16:36	02/07/2022 23:05	T
Chloroform	0.00065 U	mg/Kg	0.0032	0.00065	1	02/07/2022 16:36	02/07/2022 23:05	T
Chloromethane	0.00073 U	mg/Kg	0.0032	0.00073	1	02/07/2022 16:36	02/07/2022 23:05	T
Dibromochloromethane	0.0018 U	mg/Kg	0.0032	0.0018	1	02/07/2022 16:36	02/07/2022 23:05	T
Dichlorodifluoromethane	0.0011 U	mg/Kg	0.0032	0.0011	1	02/07/2022 16:36	02/07/2022 23:05	T
Ethylbenzene	0.00038 U	mg/Kg	0.0032	0.00038	1	02/07/2022 16:36	02/07/2022 23:05	T
Methyl tert-butyl Ether (MTBE)	0.0010 U	mg/Kg	0.0032	0.0010	1	02/07/2022 16:36	02/07/2022 23:05	T
Methylene Chloride	0.0043 U	mg/Kg	0.0053	0.0043	1	02/07/2022 16:36	02/07/2022 23:05	T
Tetrachloroethylene (PCE)	0.00060 U	mg/Kg	0.0032	0.00060	1	02/07/2022 16:36	02/07/2022 23:05	T
Toluene	0.00039 U	mg/Kg	0.0032	0.00039	1	02/07/2022 16:36	02/07/2022 23:05	T
Trichloroethene	0.00078 U	mg/Kg	0.0032	0.00078	1	02/07/2022 16:36	02/07/2022 23:05	T
Trichlorofluoromethane	0.00070 U	mg/Kg	0.0032	0.00070	1	02/07/2022 16:36	02/07/2022 23:05	T
Vinyl Chloride	0.00061 U	mg/Kg	0.0032	0.00061	1	02/07/2022 16:36	02/07/2022 23:05	T
Xylene (Total)	0.0014 U	mg/Kg	0.0064	0.0014	1	02/07/2022 16:36	02/07/2022 23:05	T
cis-1,2-Dichloroethylene	0.00063 U	mg/Kg	0.0032	0.00063	1	02/07/2022 16:36	02/07/2022 23:05	T
cis-1,3-Dichloropropene	0.0023 U	mg/Kg	0.0032	0.0023	1	02/07/2022 16:36	02/07/2022 23:05	T
trans-1,2-Dichloroethylene	0.00064 U	mg/Kg	0.0032	0.00064	1	02/07/2022 16:36	02/07/2022 23:05	T
trans-1,3-Dichloropropylene	0.0019 U	mg/Kg	0.0032	0.0019	1	02/07/2022 16:36	02/07/2022 23:05	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	41	40	98	69 - 134	T
Toluene-d8 (S)	ug/Kg	41	40	97	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	41	46	112	79 - 126	T
p-Terphenyl-d14 (S)	mg/Kg	0.42	0.44	105	42 - 141	T
Nitrobenzene-d5 (S)	mg/Kg	0.42	0.45	108	33 - 134	T
2-Fluorobiphenyl (S)	mg/Kg	0.42	0.34	82	37 - 127	T
Nonatricontane-C39 (S)	mg/Kg	6.20	5.30	84	36 - 132	T
o-Terphenyl (S)	mg/Kg	2.10	1.50	71	66 - 136	T
Decachlorobiphenyl (S)	ug/Kg	73	58	79	63 - 130	M
Tetrachloro-m-xylene (S)	ug/Kg	150	130	90	42 - 129	M
2-Fluorophenol (S)	mg/Kg	2	1.60	83	35 - 115	T
Nitrobenzene-d5 (S)	mg/Kg	2	1.60	81	37 - 122	T
p-Terphenyl-d14 (S)	mg/Kg	2	1.90	95	54 - 127	T
2,4,6-Tribromophenol (S)	mg/Kg	2	2	100	39 - 132	T
Phenol-d6 (S)	mg/Kg	2	1.70	85	33 - 122	T
2-Fluorobiphenyl (S)	mg/Kg	2	1.60	80	44 - 115	T
Decachlorobiphenyl (S)	ug/Kg	73	58	79	61 - 147	M
Tetrachloro-m-xylene (S)	ug/Kg	150	130	90	44 - 130	M

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528002 **Date Collected:** 02/03/2022 10:00 **Matrix:** Soil
Sample ID: SB-26@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**1.5**	mg/Kg	0.26	0.13	1	02/08/2022 15:00	02/09/2022 18:22	T
Cadmium	**0.24**	mg/Kg	0.052	0.026	1	02/08/2022 15:00	02/09/2022 18:22	T
Chromium	**4.6**	mg/Kg	0.26	0.21	1	02/08/2022 15:00	02/09/2022 18:22	T
Lead	**88**	mg/Kg	0.26	0.13	1	02/08/2022 15:00	02/09/2022 18:22	T
SEMIVOLATILES (FL-PRO)								
TPH	**41**	mg/Kg	15	5.3	1	02/09/2022 09:30	02/10/2022 01:27	T
SEMIVOLATILES (SW-846 3550B/EPA 8081)								
4,4`-DDD	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 20:58	M
4,4`-DDE	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 20:58	M
4,4`-DDT	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 20:58	M
Aldrin	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 20:58	M
Chlordane (technical)	0.010 U	mg/Kg	0.034	0.010	1	02/07/2022 07:30	02/07/2022 20:58	M
Dieldrin	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 20:58	M
Endosulfan I	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 20:58	M
Endosulfan II	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 20:58	M
Endosulfan Sulfate	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 20:58	M
Endrin	**0.0026**	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 20:58	M
Endrin Aldehyde	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 20:58	M
Heptachlor	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 20:58	M
Heptachlor Epoxide	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 20:58	M
Methoxychlor	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 20:58	M
Toxaphene	0.011 U	mg/Kg	0.034	0.011	1	02/07/2022 07:30	02/07/2022 20:58	M
alpha-BHC	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 20:58	M
beta-BHC	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 20:58	M
delta-BHC	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 20:58	M
gamma-BHC (Lindane)	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 20:58	M
SEMIVOLATILES (SW-846 3550B/SW-846 8082A)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528002 **Date Collected:** 02/03/2022 10:00 **Matrix:** Soil
Sample ID: SB-26@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Aroclor 1016 (PCB-1016)	0.020 U	mg/Kg	0.034	0.020	1	02/07/2022 07:30	02/07/2022 20:58	M
Aroclor 1221 (PCB-1221)	0.024 U	mg/Kg	0.034	0.024	1	02/07/2022 07:30	02/07/2022 20:58	M
Aroclor 1232 (PCB-1232)	0.032 U	mg/Kg	0.034	0.032	1	02/07/2022 07:30	02/07/2022 20:58	M
Aroclor 1242 (PCB-1242)	0.025 U	mg/Kg	0.034	0.025	1	02/07/2022 07:30	02/07/2022 20:58	M
Aroclor 1248 (PCB-1248)	0.012 U	mg/Kg	0.034	0.012	1	02/07/2022 07:30	02/07/2022 20:58	M
Aroclor 1254 (PCB-1254)	0.0068 U	mg/Kg	0.034	0.0068	1	02/07/2022 07:30	02/07/2022 20:58	M
Aroclor 1260 (PCB-1260)	0.041 U	mg/Kg	0.068	0.041	1	02/07/2022 07:30	02/07/2022 20:58	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	**0.032**	mg/Kg	0.0089	0.0017	1	02/09/2022 09:30	02/09/2022 18:28	T
2-Methylnaphthalene	**0.034**	mg/Kg	0.0089	0.0022	1	02/09/2022 09:30	02/09/2022 18:28	T
Acenaphthene	**0.0080 I**	mg/Kg	0.0089	0.0016	1	02/09/2022 09:30	02/09/2022 18:28	T
Acenaphthylene	**0.067**	mg/Kg	0.0089	0.0019	1	02/09/2022 09:30	02/09/2022 18:28	T
Anthracene	**0.067**	mg/Kg	0.0089	0.0027	1	02/09/2022 09:30	02/09/2022 18:28	T
Benzo[a]anthracene	**0.21**	mg/Kg	0.0089	0.0021	1	02/09/2022 09:30	02/09/2022 18:28	T
Benzo[a]pyrene	**0.24**	mg/Kg	0.0089	0.0018	1	02/09/2022 09:30	02/09/2022 18:28	T
Benzo[b]fluoranthene	**0.35**	mg/Kg	0.0089	0.0017	1	02/09/2022 09:30	02/09/2022 18:28	T
Benzo[g,h,i]perylene	**0.25**	mg/Kg	0.0089	0.0021	1	02/09/2022 09:30	02/09/2022 18:28	T
Benzo[k]fluoranthene	**0.13**	mg/Kg	0.0089	0.0025	1	02/09/2022 09:30	02/09/2022 18:28	T
Chrysene	**0.23**	mg/Kg	0.0089	0.0032	1	02/09/2022 09:30	02/09/2022 18:28	T
Dibenzo[a,h]anthracene	**0.066**	mg/Kg	0.0089	0.0018	1	02/09/2022 09:30	02/09/2022 18:28	T
Fluoranthene	**0.28**	mg/Kg	0.0089	0.0030	1	02/09/2022 09:30	02/09/2022 18:28	T
Fluorene	**0.0094**	mg/Kg	0.0089	0.0023	1	02/09/2022 09:30	02/09/2022 18:28	T
Indeno(1,2,3-cd)pyrene	**0.25**	mg/Kg	0.0089	0.0026	1	02/09/2022 09:30	02/09/2022 18:28	T
Naphthalene	**0.023**	mg/Kg	0.0089	0.0018	1	02/09/2022 09:30	02/09/2022 18:28	T
Phenanthrene	**0.13**	mg/Kg	0.0089	0.0023	1	02/09/2022 09:30	02/09/2022 18:28	T
Pyrene	**0.31**	mg/Kg	0.0089	0.0025	1	02/09/2022 09:30	02/09/2022 18:28	T
SEMIVOLATILES (SW-846 3550B/SW-846 8270C)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528002 **Date Collected:** 02/03/2022 10:00 **Matrix:** Soil
Sample ID: SB-26@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,2,4-Trichlorobenzene	0.032 U	mg/Kg	0.22	0.032	1	02/09/2022 10:00	02/10/2022 03:33	T
1,2-Dichlorobenzene	0.044 U	mg/Kg	0.22	0.044	1	02/09/2022 10:00	02/10/2022 03:33	T
1,2-Diphenylhydrazine	0.083 U	mg/Kg	0.22	0.083	1	02/09/2022 10:00	02/10/2022 03:33	T
1,3-Dichlorobenzene	0.023 U	mg/Kg	0.22	0.023	1	02/09/2022 10:00	02/10/2022 03:33	T
1,4-Dichlorobenzene	0.048 U	mg/Kg	0.22	0.048	1	02/09/2022 10:00	02/10/2022 03:33	T
1-Methylnaphthalene	**0.016 I**	mg/Kg	0.22	0.0042	1	02/09/2022 10:00	02/10/2022 03:33	T
2,4,6-Trichlorophenol	0.040 U	mg/Kg	0.22	0.040	1	02/09/2022 10:00	02/10/2022 03:33	T
2,4-Dichlorophenol	0.046 U	mg/Kg	0.22	0.046	1	02/09/2022 10:00	02/10/2022 03:33	T
2,4-Dimethylphenol	0.046 U	mg/Kg	0.22	0.046	1	02/09/2022 10:00	02/10/2022 03:33	T
2,4-Dinitrophenol	0.13 U	mg/Kg	0.22	0.13	1	02/09/2022 10:00	02/10/2022 03:33	T
2,4-Dinitrotoluene (2,4-DNT)	0.068 U	mg/Kg	0.22	0.068	1	02/09/2022 10:00	02/10/2022 03:33	T
2,6-Dinitrotoluene (2,6-DNT)	0.054 U	mg/Kg	0.22	0.054	1	02/09/2022 10:00	02/10/2022 03:33	T
2-Chloronaphthalene	0.042 U	mg/Kg	0.22	0.042	1	02/09/2022 10:00	02/10/2022 03:33	T
2-Chlorophenol	0.038 U	mg/Kg	0.22	0.038	1	02/09/2022 10:00	02/10/2022 03:33	T
2-Methyl-4,6-dinitrophenol	0.048 U	mg/Kg	0.22	0.048	1	02/09/2022 10:00	02/10/2022 03:33	T
2-Methylnaphthalene	**0.015 I**	mg/Kg	0.22	0.0051	1	02/09/2022 10:00	02/10/2022 03:33	T
2-Nitrophenol	0.048 U	mg/Kg	0.22	0.048	1	02/09/2022 10:00	02/10/2022 03:33	T
3,3`-Dichlorobenzidine	0.029 U	mg/Kg	0.22	0.029	1	02/09/2022 10:00	02/10/2022 03:33	T
4-Bromophenyl Phenyl Ether	0.055 U	mg/Kg	0.22	0.055	1	02/09/2022 10:00	02/10/2022 03:33	T
4-Chloro-3-methylphenol	0.046 U	mg/Kg	0.22	0.046	1	02/09/2022 10:00	02/10/2022 03:33	T
4-Chlorophenyl Phenyl Ether	0.047 U	mg/Kg	0.22	0.047	1	02/09/2022 10:00	02/10/2022 03:33	T
4-Nitrophenol	0.061 U	mg/Kg	0.22	0.061	1	02/09/2022 10:00	02/10/2022 03:33	T
Acenaphthene	**0.0066 I**	mg/Kg	0.22	0.0049	1	02/09/2022 10:00	02/10/2022 03:33	T
Acenaphthylene	**0.091 I**	mg/Kg	0.22	0.0055	1	02/09/2022 10:00	02/10/2022 03:33	T
Anthracene	**0.053 I**	mg/Kg	0.22	0.0054	1	02/09/2022 10:00	02/10/2022 03:33	T
Benzidine	0.043 U	mg/Kg	0.22	0.043	1	02/09/2022 10:00	02/10/2022 03:33	T
Benzo[a]anthracene	**0.22**	mg/Kg	0.22	0.0049	1	02/09/2022 10:00	02/10/2022 03:33	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528002 **Date Collected:** 02/03/2022 10:00 **Matrix:** Soil
Sample ID: SB-26@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[a]pyrene	**0.26**	mg/Kg	0.22	0.0046	1	02/09/2022 10:00	02/10/2022 03:33	T
Benzo[b]fluoranthene	**0.37**	mg/Kg	0.22	0.0069	1	02/09/2022 10:00	02/10/2022 03:33	T
Benzo[g,h,i]perylene	**0.24**	mg/Kg	0.22	0.0040	1	02/09/2022 10:00	02/10/2022 03:33	T
Benzo[k]fluoranthene	0.0072 U	mg/Kg	0.22	0.0072	1	02/09/2022 10:00	02/10/2022 03:33	T
Butyl benzyl phthalate	0.030 U	mg/Kg	0.22	0.030	1	02/09/2022 10:00	02/10/2022 03:33	T
Chrysene	**0.21 I**	mg/Kg	0.22	0.0055	1	02/09/2022 10:00	02/10/2022 03:33	T
Di-n-Butyl Phthalate	0.045 U	mg/Kg	0.22	0.045	1	02/09/2022 10:00	02/10/2022 03:33	T
Di-n-octyl Phthalate	0.028 U	mg/Kg	0.22	0.028	1	02/09/2022 10:00	02/10/2022 03:33	T
Dibenzo[a,h]anthracene	**0.062 I**	mg/Kg	0.22	0.0041	1	02/09/2022 10:00	02/10/2022 03:33	T
Diethyl phthalate	0.042 U	mg/Kg	0.22	0.042	1	02/09/2022 10:00	02/10/2022 03:33	T
Dimethyl phthalate	0.041 U	mg/Kg	0.22	0.041	1	02/09/2022 10:00	02/10/2022 03:33	T
Fluoranthene	**0.29**	mg/Kg	0.22	0.052	1	02/09/2022 10:00	02/10/2022 03:33	T
Fluorene	**0.010 I**	mg/Kg	0.22	0.0048	1	02/09/2022 10:00	02/10/2022 03:33	T
Hexachlorobenzene	0.063 U	mg/Kg	0.22	0.063	1	02/09/2022 10:00	02/10/2022 03:33	T
Hexachlorobutadiene	0.036 U	mg/Kg	0.22	0.036	1	02/09/2022 10:00	02/10/2022 03:33	T
Hexachlorocyclopentadiene	0.036 U	mg/Kg	0.22	0.036	1	02/09/2022 10:00	02/10/2022 03:33	T
Hexachloroethane	0.030 U	mg/Kg	0.22	0.030	1	02/09/2022 10:00	02/10/2022 03:33	T
Indeno(1,2,3-cd)pyrene	**0.22**	mg/Kg	0.22	0.0043	1	02/09/2022 10:00	02/10/2022 03:33	T
Isophorone	0.024 U	mg/Kg	0.22	0.024	1	02/09/2022 10:00	02/10/2022 03:33	T
N-Nitrosodi-n-propylamine	0.038 U	mg/Kg	0.22	0.038	1	02/09/2022 10:00	02/10/2022 03:33	T
N-Nitrosodimethylamine	0.0097 U	mg/Kg	0.22	0.0097	1	02/09/2022 10:00	02/10/2022 03:33	T
N-Nitrosodiphenylamine	0.028 U	mg/Kg	0.22	0.028	1	02/09/2022 10:00	02/10/2022 03:33	T
Naphthalene	**0.013 I**	mg/Kg	0.22	0.0052	1	02/09/2022 10:00	02/10/2022 03:33	T
Nitrobenzene	0.052 U	mg/Kg	0.22	0.052	1	02/09/2022 10:00	02/10/2022 03:33	T
Pentachlorophenol	0.072 U	mg/Kg	0.22	0.072	1	02/09/2022 10:00	02/10/2022 03:33	T
Phenanthrene	**0.11 I**	mg/Kg	0.22	0.0061	1	02/09/2022 10:00	02/10/2022 03:33	T
Phenol	0.042 U	mg/Kg	0.22	0.042	1	02/09/2022 10:00	02/10/2022 03:33	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528002 **Date Collected:** 02/03/2022 10:00 **Matrix:** Soil
Sample ID: SB-26@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	**0.31**	mg/Kg	0.22	0.0047	1	02/09/2022 10:00	02/10/2022 03:33	T
bis(2-Chloroethoxy)methane	0.032 U	mg/Kg	0.22	0.032	1	02/09/2022 10:00	02/10/2022 03:33	T
bis(2-Chloroethyl)Ether	0.044 U	mg/Kg	0.22	0.044	1	02/09/2022 10:00	02/10/2022 03:33	T
bis(2-Chloroisopropyl) Ether	0.039 U	mg/Kg	0.22	0.039	1	02/09/2022 10:00	02/10/2022 03:33	T
bis(2-Ethylhexyl) phthalate	0.034 U	mg/Kg	0.22	0.034	1	02/09/2022 10:00	02/10/2022 03:33	T
(SM 2540G)								
Percent Moisture	**8**	%	0.001	0.0010	1	02/08/2022 09:00	02/08/2022 09:00	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1-Trichloroethane	0.00076 U	mg/Kg	0.0033	0.00076	1	02/07/2022 16:36	02/07/2022 23:33	T
1,1,2,2-Tetrachloroethane	0.00055 U	mg/Kg	0.0033	0.00055	1	02/07/2022 16:36	02/07/2022 23:33	T
1,1,2-Trichloroethane	0.00053 U	mg/Kg	0.0033	0.00053	1	02/07/2022 16:36	02/07/2022 23:33	T
1,1-Dichloroethane	0.00076 U	mg/Kg	0.0033	0.00076	1	02/07/2022 16:36	02/07/2022 23:33	T
1,1-Dichloroethylene	0.00080 U	mg/Kg	0.0033	0.00080	1	02/07/2022 16:36	02/07/2022 23:33	T
1,2-Dichlorobenzene	0.00052 U	mg/Kg	0.0033	0.00052	1	02/07/2022 16:36	02/07/2022 23:33	T
1,2-Dichloroethane	0.00085 U	mg/Kg	0.0033	0.00085	1	02/07/2022 16:36	02/07/2022 23:33	T
1,2-Dichloropropane	0.00058 U	mg/Kg	0.0033	0.00058	1	02/07/2022 16:36	02/07/2022 23:33	T
1,3-Dichlorobenzene	0.00060 U	mg/Kg	0.0033	0.00060	1	02/07/2022 16:36	02/07/2022 23:33	T
1,4-Dichlorobenzene	0.00072 U	mg/Kg	0.0033	0.00072	1	02/07/2022 16:36	02/07/2022 23:33	T
2-Chloroethyl Vinyl Ether	0.0028 U	mg/Kg	0.0033	0.0028	1	02/07/2022 16:36	02/07/2022 23:33	T
Acrolein (Propenal)	0.0067 U	mg/Kg	0.016	0.0067	1	02/07/2022 16:36	02/07/2022 23:33	T
Acrylonitrile	0.00057 U	mg/Kg	0.0033	0.00057	1	02/07/2022 16:36	02/07/2022 23:33	T
Benzene	0.00054 U	mg/Kg	0.0033	0.00054	1	02/07/2022 16:36	02/07/2022 23:33	T
Bromodichloromethane	0.00057 U	mg/Kg	0.0033	0.00057	1	02/07/2022 16:36	02/07/2022 23:33	T
Bromoform	0.0022 U	mg/Kg	0.0033	0.0022	1	02/07/2022 16:36	02/07/2022 23:33	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528002 **Date Collected:** 02/03/2022 10:00 **Matrix:** Soil
Sample ID: SB-26@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Bromomethane	0.0013 U	mg/Kg	0.0033	0.0013	1	02/07/2022 16:36	02/07/2022 23:33	T
Carbon Tetrachloride	0.00092 U	mg/Kg	0.0033	0.00092	1	02/07/2022 16:36	02/07/2022 23:33	T
Chlorobenzene	0.00048 U	mg/Kg	0.0033	0.00048	1	02/07/2022 16:36	02/07/2022 23:33	T
Chloroethane	0.0016 U	mg/Kg	0.0033	0.0016	1	02/07/2022 16:36	02/07/2022 23:33	T
Chloroform	0.00066 U	mg/Kg	0.0033	0.00066	1	02/07/2022 16:36	02/07/2022 23:33	T
Chloromethane	0.00075 U	mg/Kg	0.0033	0.00075	1	02/07/2022 16:36	02/07/2022 23:33	T
Dibromochloromethane	0.0019 U	mg/Kg	0.0033	0.0019	1	02/07/2022 16:36	02/07/2022 23:33	T
Dichlorodifluoromethane	0.0011 U	mg/Kg	0.0033	0.0011	1	02/07/2022 16:36	02/07/2022 23:33	T
Ethylbenzene	0.00039 U	mg/Kg	0.0033	0.00039	1	02/07/2022 16:36	02/07/2022 23:33	T
Methyl tert-butyl Ether (MTBE)	0.0011 U	mg/Kg	0.0033	0.0011	1	02/07/2022 16:36	02/07/2022 23:33	T
Methylene Chloride	0.0044 U	mg/Kg	0.0054	0.0044	1	02/07/2022 16:36	02/07/2022 23:33	T
Tetrachloroethylene (PCE)	0.00062 U	mg/Kg	0.0033	0.00062	1	02/07/2022 16:36	02/07/2022 23:33	T
Toluene	0.00040 U	mg/Kg	0.0033	0.00040	1	02/07/2022 16:36	02/07/2022 23:33	T
Trichloroethene	0.00080 U	mg/Kg	0.0033	0.00080	1	02/07/2022 16:36	02/07/2022 23:33	T
Trichlorofluoromethane	0.00072 U	mg/Kg	0.0033	0.00072	1	02/07/2022 16:36	02/07/2022 23:33	T
Vinyl Chloride	0.00063 U	mg/Kg	0.0033	0.00063	1	02/07/2022 16:36	02/07/2022 23:33	T
Xylene (Total)	0.0014 U	mg/Kg	0.0065	0.0014	1	02/07/2022 16:36	02/07/2022 23:33	T
cis-1,2-Dichloroethylene	0.00064 U	mg/Kg	0.0033	0.00064	1	02/07/2022 16:36	02/07/2022 23:33	T
cis-1,3-Dichloropropene	0.0023 U	mg/Kg	0.0033	0.0023	1	02/07/2022 16:36	02/07/2022 23:33	T
trans-1,2-Dichloroethylene	0.00066 U	mg/Kg	0.0033	0.00066	1	02/07/2022 16:36	02/07/2022 23:33	T
trans-1,3-Dichloropropylene	0.0020 U	mg/Kg	0.0033	0.0020	1	02/07/2022 16:36	02/07/2022 23:33	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Analysis Results Comments

Decachlorobiphenyl

J4|Estimated Result

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	50	47	94	69 - 134	T
Toluene-d8 (S)	ug/Kg	50	47	93	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	50	55	109	79 - 126	T
2-Fluorobiphenyl (S)	mg/Kg	0.41	0.28	69	37 - 127	T
Nitrobenzene-d5 (S)	mg/Kg	0.41	0.37	90	33 - 134	T
p-Terphenyl-d14 (S)	mg/Kg	0.41	0.40	99	42 - 141	T
Nonatricontane-C39 (S)	mg/Kg	6.10	5.60	91	36 - 132	T
o-Terphenyl (S)	mg/Kg	2	1.50	75	66 - 136	T
Decachlorobiphenyl (S)	ug/Kg	78	41	**52**	63 - 130	M
Tetrachloro-m-xylene (S)	ug/Kg	160	130	80	42 - 129	M
Phenol-d6 (S)	mg/Kg	4	3.40	87	33 - 122	T
2-Fluorobiphenyl (S)	mg/Kg	4	3.10	78	44 - 115	T
2,4,6-Tribromophenol (S)	mg/Kg	4	3.80	96	39 - 132	T
2-Fluorophenol (S)	mg/Kg	4	3.30	84	35 - 115	T
Nitrobenzene-d5 (S)	mg/Kg	4	3.60	91	37 - 122	T
p-Terphenyl-d14 (S)	mg/Kg	4	3.20	80	54 - 127	T
Decachlorobiphenyl (S)	ug/Kg	78	41	**52**	61 - 147	M
Tetrachloro-m-xylene (S)	ug/Kg	160	130	80	44 - 130	M

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528003 **Date Collected:** 02/03/2022 10:20 **Matrix:** Soil
Sample ID: SB-25@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**1.1**	mg/Kg	0.27	0.13	1	02/08/2022 15:00	02/09/2022 18:24	T
Cadmium	0.027 U	mg/Kg	0.053	0.027	1	02/08/2022 15:00	02/09/2022 18:24	T
Chromium	**4.1**	mg/Kg	0.27	0.21	1	02/08/2022 15:00	02/09/2022 18:24	T
Lead	**11**	mg/Kg	0.27	0.13	1	02/08/2022 15:00	02/09/2022 18:24	T
SEMIVOLATILES (FL-PRO)								
TPH	**6.6 I**	mg/Kg	15	5.2	1	02/09/2022 09:30	02/09/2022 23:06	T
SEMIVOLATILES (SW-846 3550B/EPA 8081)								
4,4`-DDD	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 21:20	M
4,4`-DDE	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 21:20	M
4,4`-DDT	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 21:20	M
Aldrin	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 21:20	M
Chlordane (technical)	0.0098 U	mg/Kg	0.033	0.0098	1	02/07/2022 07:30	02/07/2022 21:20	M
Dieldrin	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 21:20	M
Endosulfan I	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 21:20	M
Endosulfan II	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 21:20	M
Endosulfan Sulfate	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 21:20	M
Endrin	**0.0016 I**	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 21:20	M
Endrin Aldehyde	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 21:20	M
Heptachlor	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 21:20	M
Heptachlor Epoxide	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 21:20	M
Methoxychlor	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 21:20	M
Toxaphene	0.011 U	mg/Kg	0.033	0.011	1	02/07/2022 07:30	02/07/2022 21:20	M
alpha-BHC	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 21:20	M
beta-BHC	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 21:20	M
delta-BHC	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 21:20	M
gamma-BHC (Lindane)	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 21:20	M
SEMIVOLATILES (SW-846 3550B/SW-846 8082A)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528003 **Date Collected:** 02/03/2022 10:20 **Matrix:** Soil
Sample ID: SB-25@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Aroclor 1016 (PCB-1016)	0.020 U	mg/Kg	0.033	0.020	1	02/07/2022 07:30	02/07/2022 21:20	M
Aroclor 1221 (PCB-1221)	0.023 U	mg/Kg	0.033	0.023	1	02/07/2022 07:30	02/07/2022 21:20	M
Aroclor 1232 (PCB-1232)	0.031 U	mg/Kg	0.033	0.031	1	02/07/2022 07:30	02/07/2022 21:20	M
Aroclor 1242 (PCB-1242)	0.025 U	mg/Kg	0.033	0.025	1	02/07/2022 07:30	02/07/2022 21:20	M
Aroclor 1248 (PCB-1248)	0.012 U	mg/Kg	0.033	0.012	1	02/07/2022 07:30	02/07/2022 21:20	M
Aroclor 1254 (PCB-1254)	0.0066 U	mg/Kg	0.033	0.0066	1	02/07/2022 07:30	02/07/2022 21:20	M
Aroclor 1260 (PCB-1260)	0.040 U	mg/Kg	0.066	0.040	1	02/07/2022 07:30	02/07/2022 21:20	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	**0.0020 I**	mg/Kg	0.0087	0.0016	1	02/09/2022 09:30	02/09/2022 18:56	T
2-Methylnaphthalene	**0.0022 I**	mg/Kg	0.0087	0.0021	1	02/09/2022 09:30	02/09/2022 18:56	T
Acenaphthene	0.0016 U	mg/Kg	0.0087	0.0016	1	02/09/2022 09:30	02/09/2022 18:56	T
Acenaphthylene	**0.0072 I**	mg/Kg	0.0087	0.0019	1	02/09/2022 09:30	02/09/2022 18:56	T
Anthracene	**0.0071 I**	mg/Kg	0.0087	0.0026	1	02/09/2022 09:30	02/09/2022 18:56	T
Benzo[a]anthracene	**0.024**	mg/Kg	0.0087	0.0021	1	02/09/2022 09:30	02/09/2022 18:56	T
Benzo[a]pyrene	**0.032**	mg/Kg	0.0087	0.0018	1	02/09/2022 09:30	02/09/2022 18:56	T
Benzo[b]fluoranthene	**0.049**	mg/Kg	0.0087	0.0017	1	02/09/2022 09:30	02/09/2022 18:56	T
Benzo[g,h,i]perylene	**0.037**	mg/Kg	0.0087	0.0020	1	02/09/2022 09:30	02/09/2022 18:56	T
Benzo[k]fluoranthene	**0.019**	mg/Kg	0.0087	0.0025	1	02/09/2022 09:30	02/09/2022 18:56	T
Chrysene	**0.035**	mg/Kg	0.0087	0.0031	1	02/09/2022 09:30	02/09/2022 18:56	T
Dibenzo[a,h]anthracene	**0.0089**	mg/Kg	0.0087	0.0018	1	02/09/2022 09:30	02/09/2022 18:56	T
Fluoranthene	**0.039**	mg/Kg	0.0087	0.0029	1	02/09/2022 09:30	02/09/2022 18:56	T
Fluorene	0.0023 U	mg/Kg	0.0087	0.0023	1	02/09/2022 09:30	02/09/2022 18:56	T
Indeno(1,2,3-cd)pyrene	**0.037**	mg/Kg	0.0087	0.0025	1	02/09/2022 09:30	02/09/2022 18:56	T
Naphthalene	0.0018 U	mg/Kg	0.0087	0.0018	1	02/09/2022 09:30	02/09/2022 18:56	T
Phenanthrene	**0.013**	mg/Kg	0.0087	0.0023	1	02/09/2022 09:30	02/09/2022 18:56	T
Pyrene	**0.044**	mg/Kg	0.0087	0.0025	1	02/09/2022 09:30	02/09/2022 18:56	T
SEMIVOLATILES (SW-846 3550B/SW-846 8270C)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528003 **Date Collected:** 02/03/2022 10:20 **Matrix:** Soil
Sample ID: SB-25@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,2,4-Trichlorobenzene	0.031 U	mg/Kg	0.21	0.031	1	02/09/2022 10:00	02/09/2022 19:14	T
1,2-Dichlorobenzene	0.042 U	mg/Kg	0.21	0.042	1	02/09/2022 10:00	02/09/2022 19:14	T
1,2-Diphenylhydrazine	0.081 U	mg/Kg	0.21	0.081	1	02/09/2022 10:00	02/09/2022 19:14	T
1,3-Dichlorobenzene	0.022 U	mg/Kg	0.21	0.022	1	02/09/2022 10:00	02/09/2022 19:14	T
1,4-Dichlorobenzene	0.047 U	mg/Kg	0.21	0.047	1	02/09/2022 10:00	02/09/2022 19:14	T
1-Methylnaphthalene	0.0041 U	mg/Kg	0.21	0.0041	1	02/09/2022 10:00	02/09/2022 19:14	T
2,4,6-Trichlorophenol	0.039 U	mg/Kg	0.21	0.039	1	02/09/2022 10:00	02/09/2022 19:14	T
2,4-Dichlorophenol	0.044 U	mg/Kg	0.21	0.044	1	02/09/2022 10:00	02/09/2022 19:14	T
2,4-Dimethylphenol	0.044 U	mg/Kg	0.21	0.044	1	02/09/2022 10:00	02/09/2022 19:14	T
2,4-Dinitrophenol	0.13 U	mg/Kg	0.21	0.13	1	02/09/2022 10:00	02/09/2022 19:14	T
2,4-Dinitrotoluene (2,4-DNT)	0.066 U	mg/Kg	0.21	0.066	1	02/09/2022 10:00	02/09/2022 19:14	T
2,6-Dinitrotoluene (2,6-DNT)	0.053 U	mg/Kg	0.21	0.053	1	02/09/2022 10:00	02/09/2022 19:14	T
2-Chloronaphthalene	0.041 U	mg/Kg	0.21	0.041	1	02/09/2022 10:00	02/09/2022 19:14	T
2-Chlorophenol	0.037 U	mg/Kg	0.21	0.037	1	02/09/2022 10:00	02/09/2022 19:14	T
2-Methyl-4,6-dinitrophenol	0.047 U	mg/Kg	0.21	0.047	1	02/09/2022 10:00	02/09/2022 19:14	T
2-Methylnaphthalene	0.0050 U	mg/Kg	0.21	0.0050	1	02/09/2022 10:00	02/09/2022 19:14	T
2-Nitrophenol	0.047 U	mg/Kg	0.21	0.047	1	02/09/2022 10:00	02/09/2022 19:14	T
3,3`-Dichlorobenzidine	0.029 U	mg/Kg	0.21	0.029	1	02/09/2022 10:00	02/09/2022 19:14	T
4-Bromophenyl Phenyl Ether	0.054 U	mg/Kg	0.21	0.054	1	02/09/2022 10:00	02/09/2022 19:14	T
4-Chloro-3-methylphenol	0.044 U	mg/Kg	0.21	0.044	1	02/09/2022 10:00	02/09/2022 19:14	T
4-Chlorophenyl Phenyl Ether	0.046 U	mg/Kg	0.21	0.046	1	02/09/2022 10:00	02/09/2022 19:14	T
4-Nitrophenol	0.059 U	mg/Kg	0.21	0.059	1	02/09/2022 10:00	02/09/2022 19:14	T
Acenaphthene	0.0048 U	mg/Kg	0.21	0.0048	1	02/09/2022 10:00	02/09/2022 19:14	T
Acenaphthylene	**0.0061 I**	mg/Kg	0.21	0.0054	1	02/09/2022 10:00	02/09/2022 19:14	T
Anthracene	0.0053 U	mg/Kg	0.21	0.0053	1	02/09/2022 10:00	02/09/2022 19:14	T
Benzidine	0.042 U	mg/Kg	0.21	0.042	1	02/09/2022 10:00	02/09/2022 19:14	T
Benzo[a]anthracene	**0.032 I**	mg/Kg	0.21	0.0048	1	02/09/2022 10:00	02/09/2022 19:14	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528003 **Date Collected:** 02/03/2022 10:20 **Matrix:** Soil
Sample ID: SB-25@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[a]pyrene	**0.042 I**	mg/Kg	0.21	0.0045	1	02/09/2022 10:00	02/09/2022 19:14	T
Benzo[b]fluoranthene	**0.067 I**	mg/Kg	0.21	0.0067	1	02/09/2022 10:00	02/09/2022 19:14	T
Benzo[g,h,i]perylene	**0.040 I**	mg/Kg	0.21	0.0039	1	02/09/2022 10:00	02/09/2022 19:14	T
Benzo[k]fluoranthene	0.0070 U	mg/Kg	0.21	0.0070	1	02/09/2022 10:00	02/09/2022 19:14	T
Butyl benzyl phthalate	0.029 U	mg/Kg	0.21	0.029	1	02/09/2022 10:00	02/09/2022 19:14	T
Chrysene	**0.038 I**	mg/Kg	0.21	0.0053	1	02/09/2022 10:00	02/09/2022 19:14	T
Di-n-Butyl Phthalate	0.044 U	mg/Kg	0.21	0.044	1	02/09/2022 10:00	02/09/2022 19:14	T
Di-n-octyl Phthalate	0.028 U	mg/Kg	0.21	0.028	1	02/09/2022 10:00	02/09/2022 19:14	T
Dibenzo[a,h]anthracene	**0.0096 I**	mg/Kg	0.21	0.0040	1	02/09/2022 10:00	02/09/2022 19:14	T
Diethyl phthalate	0.041 U	mg/Kg	0.21	0.041	1	02/09/2022 10:00	02/09/2022 19:14	T
Dimethyl phthalate	0.039 U	mg/Kg	0.21	0.039	1	02/09/2022 10:00	02/09/2022 19:14	T
Fluoranthene	**0.053 I**	mg/Kg	0.21	0.051	1	02/09/2022 10:00	02/09/2022 19:14	T
Fluorene	0.0047 U	mg/Kg	0.21	0.0047	1	02/09/2022 10:00	02/09/2022 19:14	T
Hexachlorobenzene	0.062 U	mg/Kg	0.21	0.062	1	02/09/2022 10:00	02/09/2022 19:14	T
Hexachlorobutadiene	0.035 U	mg/Kg	0.21	0.035	1	02/09/2022 10:00	02/09/2022 19:14	T
Hexachlorocyclopentadiene	0.035 U	mg/Kg	0.21	0.035	1	02/09/2022 10:00	02/09/2022 19:14	T
Hexachloroethane	0.029 U	mg/Kg	0.21	0.029	1	02/09/2022 10:00	02/09/2022 19:14	T
Indeno(1,2,3-cd)pyrene	**0.038 I**	mg/Kg	0.21	0.0041	1	02/09/2022 10:00	02/09/2022 19:14	T
Isophorone	0.024 U	mg/Kg	0.21	0.024	1	02/09/2022 10:00	02/09/2022 19:14	T
N-Nitrosodi-n-propylamine	0.037 U	mg/Kg	0.21	0.037	1	02/09/2022 10:00	02/09/2022 19:14	T
N-Nitrosodimethylamine	0.0094 U	mg/Kg	0.21	0.0094	1	02/09/2022 10:00	02/09/2022 19:14	T
N-Nitrosodiphenylamine	0.028 U	mg/Kg	0.21	0.028	1	02/09/2022 10:00	02/09/2022 19:14	T
Naphthalene	0.0050 U	mg/Kg	0.21	0.0050	1	02/09/2022 10:00	02/09/2022 19:14	T
Nitrobenzene	0.050 U	mg/Kg	0.21	0.050	1	02/09/2022 10:00	02/09/2022 19:14	T
Pentachlorophenol	0.070 U	mg/Kg	0.21	0.070	1	02/09/2022 10:00	02/09/2022 19:14	T
Phenanthrene	**0.014 I**	mg/Kg	0.21	0.0060	1	02/09/2022 10:00	02/09/2022 19:14	T
Phenol	0.041 U	mg/Kg	0.21	0.041	1	02/09/2022 10:00	02/09/2022 19:14	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528003 **Date Collected:** 02/03/2022 10:20 **Matrix:** Soil
Sample ID: SB-25@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	**0.050 I**	mg/Kg	0.21	0.0045	1	02/09/2022 10:00	02/09/2022 19:14	T
bis(2-Chloroethoxy)methane	0.031 U	mg/Kg	0.21	0.031	1	02/09/2022 10:00	02/09/2022 19:14	T
bis(2-Chloroethyl)Ether	0.043 U	mg/Kg	0.21	0.043	1	02/09/2022 10:00	02/09/2022 19:14	T
bis(2-Chloroisopropyl) Ether	0.038 U	mg/Kg	0.21	0.038	1	02/09/2022 10:00	02/09/2022 19:14	T
bis(2-Ethylhexyl) phthalate	0.033 U	mg/Kg	0.21	0.033	1	02/09/2022 10:00	02/09/2022 19:14	T
(SM 2540G)								
Percent Moisture	**5**	%	0.001	0.0010	1	02/08/2022 09:00	02/08/2022 09:00	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1-Trichloroethane	0.00066 U	mg/Kg	0.0028	0.00066	1	02/07/2022 16:36	02/08/2022 00:00	T
1,1,2,2-Tetrachloroethane	0.00048 U	mg/Kg	0.0028	0.00048	1	02/07/2022 16:36	02/08/2022 00:00	T
1,1,2-Trichloroethane	0.00046 U	mg/Kg	0.0028	0.00046	1	02/07/2022 16:36	02/08/2022 00:00	T
1,1-Dichloroethane	0.00067 U	mg/Kg	0.0028	0.00067	1	02/07/2022 16:36	02/08/2022 00:00	T
1,1-Dichloroethylene	0.00070 U	mg/Kg	0.0028	0.00070	1	02/07/2022 16:36	02/08/2022 00:00	T
1,2-Dichlorobenzene	0.00045 U	mg/Kg	0.0028	0.00045	1	02/07/2022 16:36	02/08/2022 00:00	T
1,2-Dichloroethane	0.00074 U	mg/Kg	0.0028	0.00074	1	02/07/2022 16:36	02/08/2022 00:00	T
1,2-Dichloropropane	0.00051 U	mg/Kg	0.0028	0.00051	1	02/07/2022 16:36	02/08/2022 00:00	T
1,3-Dichlorobenzene	0.00052 U	mg/Kg	0.0028	0.00052	1	02/07/2022 16:36	02/08/2022 00:00	T
1,4-Dichlorobenzene	0.00063 U	mg/Kg	0.0028	0.00063	1	02/07/2022 16:36	02/08/2022 00:00	T
2-Chloroethyl Vinyl Ether	0.0025 U	mg/Kg	0.0028	0.0025	1	02/07/2022 16:36	02/08/2022 00:00	T
Acrolein (Propenal)	0.0059 U	mg/Kg	0.014	0.0059	1	02/07/2022 16:36	02/08/2022 00:00	T
Acrylonitrile	0.00049 U	mg/Kg	0.0028	0.00049	1	02/07/2022 16:36	02/08/2022 00:00	T
Benzene	0.00047 U	mg/Kg	0.0028	0.00047	1	02/07/2022 16:36	02/08/2022 00:00	T
Bromodichloromethane	0.00050 U	mg/Kg	0.0028	0.00050	1	02/07/2022 16:36	02/08/2022 00:00	T
Bromoform	0.0019 U	mg/Kg	0.0028	0.0019	1	02/07/2022 16:36	02/08/2022 00:00	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528003 **Date Collected:** 02/03/2022 10:20 **Matrix:** Soil
Sample ID: SB-25@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Bromomethane	0.0012 U	mg/Kg	0.0028	0.0012	1	02/07/2022 16:36	02/08/2022 00:00	T
Carbon Tetrachloride	0.00080 U	mg/Kg	0.0028	0.00080	1	02/07/2022 16:36	02/08/2022 00:00	T
Chlorobenzene	0.00042 U	mg/Kg	0.0028	0.00042	1	02/07/2022 16:36	02/08/2022 00:00	T
Chloroethane	0.0014 U	mg/Kg	0.0028	0.0014	1	02/07/2022 16:36	02/08/2022 00:00	T
Chloroform	0.00058 U	mg/Kg	0.0028	0.00058	1	02/07/2022 16:36	02/08/2022 00:00	T
Chloromethane	0.00065 U	mg/Kg	0.0028	0.00065	1	02/07/2022 16:36	02/08/2022 00:00	T
Dibromochloromethane	0.0016 U	mg/Kg	0.0028	0.0016	1	02/07/2022 16:36	02/08/2022 00:00	T
Dichlorodifluoromethane	0.00097 U	mg/Kg	0.0028	0.00097	1	02/07/2022 16:36	02/08/2022 00:00	T
Ethylbenzene	0.00034 U	mg/Kg	0.0028	0.00034	1	02/07/2022 16:36	02/08/2022 00:00	T
Methyl tert-butyl Ether (MTBE)	0.00093 U	mg/Kg	0.0028	0.00093	1	02/07/2022 16:36	02/08/2022 00:00	T
Methylene Chloride	0.0038 U	mg/Kg	0.0047	0.0038	1	02/07/2022 16:36	02/08/2022 00:00	T
Tetrachloroethylene (PCE)	0.00054 U	mg/Kg	0.0028	0.00054	1	02/07/2022 16:36	02/08/2022 00:00	T
Toluene	0.00035 U	mg/Kg	0.0028	0.00035	1	02/07/2022 16:36	02/08/2022 00:00	T
Trichloroethene	0.00070 U	mg/Kg	0.0028	0.00070	1	02/07/2022 16:36	02/08/2022 00:00	T
Trichlorofluoromethane	0.00063 U	mg/Kg	0.0028	0.00063	1	02/07/2022 16:36	02/08/2022 00:00	T
Vinyl Chloride	0.00055 U	mg/Kg	0.0028	0.00055	1	02/07/2022 16:36	02/08/2022 00:00	T
Xylene (Total)	0.0012 U	mg/Kg	0.0057	0.0012	1	02/07/2022 16:36	02/08/2022 00:00	T
cis-1,2-Dichloroethylene	0.00056 U	mg/Kg	0.0028	0.00056	1	02/07/2022 16:36	02/08/2022 00:00	T
cis-1,3-Dichloropropene	0.0020 U	mg/Kg	0.0028	0.0020	1	02/07/2022 16:36	02/08/2022 00:00	T
trans-1,2-Dichloroethylene	0.00058 U	mg/Kg	0.0028	0.00058	1	02/07/2022 16:36	02/08/2022 00:00	T
trans-1,3-Dichloropropylene	0.0017 U	mg/Kg	0.0028	0.0017	1	02/07/2022 16:36	02/08/2022 00:00	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Analysis Results Comments

Tetrachloro-m-xylene

J4|Estimated Result

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	45	44	98	69 - 134	T
Toluene-d8 (S)	ug/Kg	45	43	95	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	45	49	110	79 - 126	T
2-Fluorobiphenyl (S)	mg/Kg	0.41	0.29	70	37 - 127	T
Nitrobenzene-d5 (S)	mg/Kg	0.41	0.37	89	33 - 134	T
p-Terphenyl-d14 (S)	mg/Kg	0.41	0.41	98	42 - 141	T
Nonatricontane-C39 (S)	mg/Kg	6.20	5.30	85	36 - 132	T
o-Terphenyl (S)	mg/Kg	2.10	1.50	72	66 - 136	T
Decachlorobiphenyl (S)	ug/Kg	78	60	77	63 - 130	M
Tetrachloro-m-xylene (S)	ug/Kg	160	210	**133**	42 - 129	M
2,4,6-Tribromophenol (S)	mg/Kg	2	1.80	90	39 - 132	T
Phenol-d6 (S)	mg/Kg	2	1.20	59	33 - 122	T
2-Fluorobiphenyl (S)	mg/Kg	2	1.20	59	44 - 115	T
2-Fluorophenol (S)	mg/Kg	2	1.10	54	35 - 115	T
Nitrobenzene-d5 (S)	mg/Kg	2	1.10	56	37 - 122	T
p-Terphenyl-d14 (S)	mg/Kg	2	1.80	88	54 - 127	T
Decachlorobiphenyl (S)	ug/Kg	78	60	77	61 - 147	M
Tetrachloro-m-xylene (S)	ug/Kg	160	210	**133**	44 - 130	M

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528004 **Date Collected:** 02/03/2022 10:40 **Matrix:** Soil
Sample ID: SB-24@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**1.2**	mg/Kg	0.26	0.13	1	02/08/2022 15:00	02/09/2022 18:27	T
Cadmium	**0.15**	mg/Kg	0.053	0.026	1	02/08/2022 15:00	02/09/2022 18:27	T
Chromium	**3.4**	mg/Kg	0.26	0.21	1	02/08/2022 15:00	02/09/2022 18:27	T
Lead	**29**	mg/Kg	0.26	0.13	1	02/08/2022 15:00	02/09/2022 18:27	T
SEMIVOLATILES (FL-PRO)								
TPH	**13 I**	mg/Kg	15	5.2	1	02/09/2022 09:30	02/09/2022 23:34	T
SEMIVOLATILES (SW-846 3550B/EPA 8081)								
4,4`-DDD	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 21:42	M
4,4`-DDE	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 21:42	M
4,4`-DDT	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 21:42	M
Aldrin	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 21:42	M
Chlordane (technical)	0.0096 U	mg/Kg	0.032	0.0096	1	02/07/2022 07:30	02/07/2022 21:42	M
Dieldrin	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 21:42	M
Endosulfan I	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 21:42	M
Endosulfan II	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 21:42	M
Endosulfan Sulfate	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 21:42	M
Endrin	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 21:42	M
Endrin Aldehyde	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 21:42	M
Heptachlor	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 21:42	M
Heptachlor Epoxide	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 21:42	M
Methoxychlor	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 21:42	M
Toxaphene	0.010 U	mg/Kg	0.032	0.010	1	02/07/2022 07:30	02/07/2022 21:42	M
alpha-BHC	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 21:42	M
beta-BHC	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 21:42	M
delta-BHC	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 21:42	M
gamma-BHC (Lindane)	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 21:42	M
SEMIVOLATILES (SW-846 3550B/SW-846 8082A)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528004 **Date Collected:** 02/03/2022 10:40 **Matrix:** Soil
Sample ID: SB-24@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Aroclor 1016 (PCB-1016)	0.019 U	mg/Kg	0.032	0.019	1	02/07/2022 07:30	02/07/2022 21:42	M
Aroclor 1221 (PCB-1221)	0.023 U	mg/Kg	0.032	0.023	1	02/07/2022 07:30	02/07/2022 21:42	M
Aroclor 1232 (PCB-1232)	0.031 U	mg/Kg	0.032	0.031	1	02/07/2022 07:30	02/07/2022 21:42	M
Aroclor 1242 (PCB-1242)	0.024 U	mg/Kg	0.032	0.024	1	02/07/2022 07:30	02/07/2022 21:42	M
Aroclor 1248 (PCB-1248)	0.012 U	mg/Kg	0.032	0.012	1	02/07/2022 07:30	02/07/2022 21:42	M
Aroclor 1254 (PCB-1254)	0.0065 U	mg/Kg	0.032	0.0065	1	02/07/2022 07:30	02/07/2022 21:42	M
Aroclor 1260 (PCB-1260)	0.039 U	mg/Kg	0.065	0.039	1	02/07/2022 07:30	02/07/2022 21:42	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	**0.011**	mg/Kg	0.0087	0.0016	1	02/09/2022 09:30	02/09/2022 19:25	T
2-Methylnaphthalene	**0.012**	mg/Kg	0.0087	0.0021	1	02/09/2022 09:30	02/09/2022 19:25	T
Acenaphthene	**0.0039 I**	mg/Kg	0.0087	0.0016	1	02/09/2022 09:30	02/09/2022 19:25	T
Acenaphthylene	**0.017**	mg/Kg	0.0087	0.0019	1	02/09/2022 09:30	02/09/2022 19:25	T
Anthracene	**0.023**	mg/Kg	0.0087	0.0026	1	02/09/2022 09:30	02/09/2022 19:25	T
Benzo[a]anthracene	**0.062**	mg/Kg	0.0087	0.0021	1	02/09/2022 09:30	02/09/2022 19:25	T
Benzo[a]pyrene	**0.071**	mg/Kg	0.0087	0.0018	1	02/09/2022 09:30	02/09/2022 19:25	T
Benzo[b]fluoranthene	**0.11**	mg/Kg	0.0087	0.0017	1	02/09/2022 09:30	02/09/2022 19:25	T
Benzo[g,h,i]perylene	**0.084**	mg/Kg	0.0087	0.0020	1	02/09/2022 09:30	02/09/2022 19:25	T
Benzo[k]fluoranthene	**0.039**	mg/Kg	0.0087	0.0025	1	02/09/2022 09:30	02/09/2022 19:25	T
Chrysene	**0.073**	mg/Kg	0.0087	0.0031	1	02/09/2022 09:30	02/09/2022 19:25	T
Dibenzo[a,h]anthracene	**0.019**	mg/Kg	0.0087	0.0018	1	02/09/2022 09:30	02/09/2022 19:25	T
Fluoranthene	**0.10**	mg/Kg	0.0087	0.0029	1	02/09/2022 09:30	02/09/2022 19:25	T
Fluorene	**0.0026 I**	mg/Kg	0.0087	0.0023	1	02/09/2022 09:30	02/09/2022 19:25	T
Indeno(1,2,3-cd)pyrene	**0.080**	mg/Kg	0.0087	0.0025	1	02/09/2022 09:30	02/09/2022 19:25	T
Naphthalene	**0.0082 I**	mg/Kg	0.0087	0.0018	1	02/09/2022 09:30	02/09/2022 19:25	T
Phenanthrene	**0.049**	mg/Kg	0.0087	0.0023	1	02/09/2022 09:30	02/09/2022 19:25	T
Pyrene	**0.11**	mg/Kg	0.0087	0.0025	1	02/09/2022 09:30	02/09/2022 19:25	T
SEMIVOLATILES (SW-846 3550B/SW-846 8270C)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528004 **Date Collected:** 02/03/2022 10:40 **Matrix:** Soil
Sample ID: SB-24@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,2,4-Trichlorobenzene	0.032 U	mg/Kg	0.22	0.032	1	02/09/2022 10:00	02/10/2022 04:10	T
1,2-Dichlorobenzene	0.044 U	mg/Kg	0.22	0.044	1	02/09/2022 10:00	02/10/2022 04:10	T
1,2-Diphenylhydrazine	0.083 U	mg/Kg	0.22	0.083	1	02/09/2022 10:00	02/10/2022 04:10	T
1,3-Dichlorobenzene	0.023 U	mg/Kg	0.22	0.023	1	02/09/2022 10:00	02/10/2022 04:10	T
1,4-Dichlorobenzene	0.048 U	mg/Kg	0.22	0.048	1	02/09/2022 10:00	02/10/2022 04:10	T
1-Methylnaphthalene	**0.0064 I**	mg/Kg	0.22	0.0042	1	02/09/2022 10:00	02/10/2022 04:10	T
2,4,6-Trichlorophenol	0.040 U	mg/Kg	0.22	0.040	1	02/09/2022 10:00	02/10/2022 04:10	T
2,4-Dichlorophenol	0.046 U	mg/Kg	0.22	0.046	1	02/09/2022 10:00	02/10/2022 04:10	T
2,4-Dimethylphenol	0.046 U	mg/Kg	0.22	0.046	1	02/09/2022 10:00	02/10/2022 04:10	T
2,4-Dinitrophenol	0.13 U	mg/Kg	0.22	0.13	1	02/09/2022 10:00	02/10/2022 04:10	T
2,4-Dinitrotoluene (2,4-DNT)	0.068 U	mg/Kg	0.22	0.068	1	02/09/2022 10:00	02/10/2022 04:10	T
2,6-Dinitrotoluene (2,6-DNT)	0.054 U	mg/Kg	0.22	0.054	1	02/09/2022 10:00	02/10/2022 04:10	T
2-Chloronaphthalene	0.042 U	mg/Kg	0.22	0.042	1	02/09/2022 10:00	02/10/2022 04:10	T
2-Chlorophenol	0.038 U	mg/Kg	0.22	0.038	1	02/09/2022 10:00	02/10/2022 04:10	T
2-Methyl-4,6-dinitrophenol	0.048 U	mg/Kg	0.22	0.048	1	02/09/2022 10:00	02/10/2022 04:10	T
2-Methylnaphthalene	**0.0063 I**	mg/Kg	0.22	0.0051	1	02/09/2022 10:00	02/10/2022 04:10	T
2-Nitrophenol	0.048 U	mg/Kg	0.22	0.048	1	02/09/2022 10:00	02/10/2022 04:10	T
3,3`-Dichlorobenzidine	0.029 U	mg/Kg	0.22	0.029	1	02/09/2022 10:00	02/10/2022 04:10	T
4-Bromophenyl Phenyl Ether	0.055 U	mg/Kg	0.22	0.055	1	02/09/2022 10:00	02/10/2022 04:10	T
4-Chloro-3-methylphenol	0.046 U	mg/Kg	0.22	0.046	1	02/09/2022 10:00	02/10/2022 04:10	T
4-Chlorophenyl Phenyl Ether	0.047 U	mg/Kg	0.22	0.047	1	02/09/2022 10:00	02/10/2022 04:10	T
4-Nitrophenol	0.061 U	mg/Kg	0.22	0.061	1	02/09/2022 10:00	02/10/2022 04:10	T
Acenaphthene	**0.0057 I**	mg/Kg	0.22	0.0049	1	02/09/2022 10:00	02/10/2022 04:10	T
Acenaphthylene	**0.028 I**	mg/Kg	0.22	0.0055	1	02/09/2022 10:00	02/10/2022 04:10	T
Anthracene	**0.030 I**	mg/Kg	0.22	0.0054	1	02/09/2022 10:00	02/10/2022 04:10	T
Benzidine	0.043 U	mg/Kg	0.22	0.043	1	02/09/2022 10:00	02/10/2022 04:10	T
Benzo[a]anthracene	**0.097 I**	mg/Kg	0.22	0.0049	1	02/09/2022 10:00	02/10/2022 04:10	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528004 **Date Collected:** 02/03/2022 10:40 **Matrix:** Soil
Sample ID: SB-24@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[a]pyrene	**0.11 I**	mg/Kg	0.22	0.0046	1	02/09/2022 10:00	02/10/2022 04:10	T
Benzo[b]fluoranthene	**0.15 I**	mg/Kg	0.22	0.0069	1	02/09/2022 10:00	02/10/2022 04:10	T
Benzo[g,h,i]perylene	**0.10 I**	mg/Kg	0.22	0.0040	1	02/09/2022 10:00	02/10/2022 04:10	T
Benzo[k]fluoranthene	0.0072 U	mg/Kg	0.22	0.0072	1	02/09/2022 10:00	02/10/2022 04:10	T
Butyl benzyl phthalate	0.030 U	mg/Kg	0.22	0.030	1	02/09/2022 10:00	02/10/2022 04:10	T
Chrysene	**0.089 I**	mg/Kg	0.22	0.0055	1	02/09/2022 10:00	02/10/2022 04:10	T
Di-n-Butyl Phthalate	0.045 U	mg/Kg	0.22	0.045	1	02/09/2022 10:00	02/10/2022 04:10	T
Di-n-octyl Phthalate	0.028 U	mg/Kg	0.22	0.028	1	02/09/2022 10:00	02/10/2022 04:10	T
Dibenzo[a,h]anthracene	**0.025 I**	mg/Kg	0.22	0.0041	1	02/09/2022 10:00	02/10/2022 04:10	T
Diethyl phthalate	0.042 U	mg/Kg	0.22	0.042	1	02/09/2022 10:00	02/10/2022 04:10	T
Dimethyl phthalate	0.041 U	mg/Kg	0.22	0.041	1	02/09/2022 10:00	02/10/2022 04:10	T
Fluoranthene	**0.15 I**	mg/Kg	0.22	0.052	1	02/09/2022 10:00	02/10/2022 04:10	T
Fluorene	**0.0061 I**	mg/Kg	0.22	0.0048	1	02/09/2022 10:00	02/10/2022 04:10	T
Hexachlorobenzene	0.063 U	mg/Kg	0.22	0.063	1	02/09/2022 10:00	02/10/2022 04:10	T
Hexachlorobutadiene	0.036 U	mg/Kg	0.22	0.036	1	02/09/2022 10:00	02/10/2022 04:10	T
Hexachlorocyclopentadiene	0.036 U	mg/Kg	0.22	0.036	1	02/09/2022 10:00	02/10/2022 04:10	T
Hexachloroethane	0.030 U	mg/Kg	0.22	0.030	1	02/09/2022 10:00	02/10/2022 04:10	T
Indeno(1,2,3-cd)pyrene	**0.094 I**	mg/Kg	0.22	0.0043	1	02/09/2022 10:00	02/10/2022 04:10	T
Isophorone	0.024 U	mg/Kg	0.22	0.024	1	02/09/2022 10:00	02/10/2022 04:10	T
N-Nitrosodi-n-propylamine	0.038 U	mg/Kg	0.22	0.038	1	02/09/2022 10:00	02/10/2022 04:10	T
N-Nitrosodimethylamine	0.0097 U	mg/Kg	0.22	0.0097	1	02/09/2022 10:00	02/10/2022 04:10	T
N-Nitrosodiphenylamine	0.028 U	mg/Kg	0.22	0.028	1	02/09/2022 10:00	02/10/2022 04:10	T
Naphthalene	**0.0059 I**	mg/Kg	0.22	0.0052	1	02/09/2022 10:00	02/10/2022 04:10	T
Nitrobenzene	0.052 U	mg/Kg	0.22	0.052	1	02/09/2022 10:00	02/10/2022 04:10	T
Pentachlorophenol	0.072 U	mg/Kg	0.22	0.072	1	02/09/2022 10:00	02/10/2022 04:10	T
Phenanthrene	**0.072 I**	mg/Kg	0.22	0.0061	1	02/09/2022 10:00	02/10/2022 04:10	T
Phenol	0.042 U	mg/Kg	0.22	0.042	1	02/09/2022 10:00	02/10/2022 04:10	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528004 **Date Collected:** 02/03/2022 10:40 **Matrix:** Soil
Sample ID: SB-24@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	**0.15 I**	mg/Kg	0.22	0.0047	1	02/09/2022 10:00	02/10/2022 04:10	T
bis(2-Chloroethoxy)methane	0.032 U	mg/Kg	0.22	0.032	1	02/09/2022 10:00	02/10/2022 04:10	T
bis(2-Chloroethyl)Ether	0.044 U	mg/Kg	0.22	0.044	1	02/09/2022 10:00	02/10/2022 04:10	T
bis(2-Chloroisopropyl) Ether	0.039 U	mg/Kg	0.22	0.039	1	02/09/2022 10:00	02/10/2022 04:10	T
bis(2-Ethylhexyl) phthalate	0.034 U	mg/Kg	0.22	0.034	1	02/09/2022 10:00	02/10/2022 04:10	T
(SM 2540G)								
Percent Moisture	**8**	%	0.001	0.0010	1	02/08/2022 09:00	02/08/2022 09:00	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1-Trichloroethane	0.00066 U	mg/Kg	0.0028	0.00066	1	02/07/2022 16:36	02/08/2022 00:28	T
1,1,2,2-Tetrachloroethane	0.00048 U	mg/Kg	0.0028	0.00048	1	02/07/2022 16:36	02/08/2022 00:28	T
1,1,2-Trichloroethane	0.00046 U	mg/Kg	0.0028	0.00046	1	02/07/2022 16:36	02/08/2022 00:28	T
1,1-Dichloroethane	0.00067 U	mg/Kg	0.0028	0.00067	1	02/07/2022 16:36	02/08/2022 00:28	T
1,1-Dichloroethylene	0.00070 U	mg/Kg	0.0028	0.00070	1	02/07/2022 16:36	02/08/2022 00:28	T
1,2-Dichlorobenzene	0.00045 U	mg/Kg	0.0028	0.00045	1	02/07/2022 16:36	02/08/2022 00:28	T
1,2-Dichloroethane	0.00074 U	mg/Kg	0.0028	0.00074	1	02/07/2022 16:36	02/08/2022 00:28	T
1,2-Dichloropropane	0.00051 U	mg/Kg	0.0028	0.00051	1	02/07/2022 16:36	02/08/2022 00:28	T
1,3-Dichlorobenzene	0.00053 U	mg/Kg	0.0028	0.00053	1	02/07/2022 16:36	02/08/2022 00:28	T
1,4-Dichlorobenzene	0.00063 U	mg/Kg	0.0028	0.00063	1	02/07/2022 16:36	02/08/2022 00:28	T
2-Chloroethyl Vinyl Ether	0.0025 U	mg/Kg	0.0028	0.0025	1	02/07/2022 16:36	02/08/2022 00:28	T
Acrolein (Propenal)	0.0059 U	mg/Kg	0.014	0.0059	1	02/07/2022 16:36	02/08/2022 00:28	T
Acrylonitrile	0.00049 U	mg/Kg	0.0028	0.00049	1	02/07/2022 16:36	02/08/2022 00:28	T
Benzene	0.00047 U	mg/Kg	0.0028	0.00047	1	02/07/2022 16:36	02/08/2022 00:28	T
Bromodichloromethane	0.00050 U	mg/Kg	0.0028	0.00050	1	02/07/2022 16:36	02/08/2022 00:28	T
Bromoform	0.0019 U	mg/Kg	0.0028	0.0019	1	02/07/2022 16:36	02/08/2022 00:28	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528004 **Date Collected:** 02/03/2022 10:40 **Matrix:** Soil
Sample ID: SB-24@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Bromomethane	0.0012 U	mg/Kg	0.0028	0.0012	1	02/07/2022 16:36	02/08/2022 00:28	T
Carbon Tetrachloride	0.00080 U	mg/Kg	0.0028	0.00080	1	02/07/2022 16:36	02/08/2022 00:28	T
Chlorobenzene	0.00042 U	mg/Kg	0.0028	0.00042	1	02/07/2022 16:36	02/08/2022 00:28	T
Chloroethane	0.0014 U	mg/Kg	0.0028	0.0014	1	02/07/2022 16:36	02/08/2022 00:28	T
Chloroform	0.00058 U	mg/Kg	0.0028	0.00058	1	02/07/2022 16:36	02/08/2022 00:28	T
Chloromethane	0.00065 U	mg/Kg	0.0028	0.00065	1	02/07/2022 16:36	02/08/2022 00:28	T
Dibromochloromethane	0.0016 U	mg/Kg	0.0028	0.0016	1	02/07/2022 16:36	02/08/2022 00:28	T
Dichlorodifluoromethane	0.00097 U	mg/Kg	0.0028	0.00097	1	02/07/2022 16:36	02/08/2022 00:28	T
Ethylbenzene	0.00034 U	mg/Kg	0.0028	0.00034	1	02/07/2022 16:36	02/08/2022 00:28	T
Methyl tert-butyl Ether (MTBE)	0.00094 U	mg/Kg	0.0028	0.00094	1	02/07/2022 16:36	02/08/2022 00:28	T
Methylene Chloride	0.0038 U	mg/Kg	0.0047	0.0038	1	02/07/2022 16:36	02/08/2022 00:28	T
Tetrachloroethylene (PCE)	0.00054 U	mg/Kg	0.0028	0.00054	1	02/07/2022 16:36	02/08/2022 00:28	T
Toluene	0.00035 U	mg/Kg	0.0028	0.00035	1	02/07/2022 16:36	02/08/2022 00:28	T
Trichloroethene	0.00070 U	mg/Kg	0.0028	0.00070	1	02/07/2022 16:36	02/08/2022 00:28	T
Trichlorofluoromethane	0.00063 U	mg/Kg	0.0028	0.00063	1	02/07/2022 16:36	02/08/2022 00:28	T
Vinyl Chloride	0.00055 U	mg/Kg	0.0028	0.00055	1	02/07/2022 16:36	02/08/2022 00:28	T
Xylene (Total)	0.0012 U	mg/Kg	0.0057	0.0012	1	02/07/2022 16:36	02/08/2022 00:28	T
cis-1,2-Dichloroethylene	0.00056 U	mg/Kg	0.0028	0.00056	1	02/07/2022 16:36	02/08/2022 00:28	T
cis-1,3-Dichloropropene	0.0020 U	mg/Kg	0.0028	0.0020	1	02/07/2022 16:36	02/08/2022 00:28	T
trans-1,2-Dichloroethylene	0.00058 U	mg/Kg	0.0028	0.00058	1	02/07/2022 16:36	02/08/2022 00:28	T
trans-1,3-Dichloropropylene	0.0017 U	mg/Kg	0.0028	0.0017	1	02/07/2022 16:36	02/08/2022 00:28	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Analysis Results Comments

Decachlorobiphenyl

J4|Estimated Result

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	44	44	100	69 - 134	T
Toluene-d8 (S)	ug/Kg	44	42	95	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	44	49	111	79 - 126	T
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.40	100	42 - 141	T
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.29	71	37 - 127	T
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.35	88	33 - 134	T
Nonatricontane-C39 (S)	mg/Kg	6	5.90	97	36 - 132	T
o-Terphenyl (S)	mg/Kg	2	1.60	77	66 - 136	T
Decachlorobiphenyl (S)	ug/Kg	74	39	**52**	63 - 130	M
Tetrachloro-m-xylene (S)	ug/Kg	150	150	98	42 - 129	M
2,4,6-Tribromophenol (S)	mg/Kg	2	2.10	104	39 - 132	T
Phenol-d6 (S)	mg/Kg	2	1.80	90	33 - 122	T
2-Fluorobiphenyl (S)	mg/Kg	2	1.70	86	44 - 115	T
2-Fluorophenol (S)	mg/Kg	2	1.80	89	35 - 115	T
Nitrobenzene-d5 (S)	mg/Kg	2	2	98	37 - 122	T
p-Terphenyl-d14 (S)	mg/Kg	2	1.90	94	54 - 127	T
Decachlorobiphenyl (S)	ug/Kg	74	39	**52**	61 - 147	M
Tetrachloro-m-xylene (S)	ug/Kg	150	150	98	44 - 130	M

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528005 **Date Collected:** 02/03/2022 11:00 **Matrix:** Soil
Sample ID: SB-23@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**0.87**	mg/Kg	0.30	0.15	1	02/08/2022 15:00	02/09/2022 18:30	T
Cadmium	**0.081**	mg/Kg	0.059	0.030	1	02/08/2022 15:00	02/09/2022 18:30	T
Chromium	**6.2**	mg/Kg	0.30	0.24	1	02/08/2022 15:00	02/09/2022 18:30	T
Lead	**200**	mg/Kg	0.30	0.15	1	02/08/2022 15:00	02/09/2022 18:30	T
SEMIVOLATILES (FL-PRO)								
TPH	5.6 U	mg/Kg	16	5.6	1	02/09/2022 09:30	02/09/2022 17:28	T
SEMIVOLATILES (SW-846 3550B/EPA 8081)								
4,4`-DDD	0.0011 U	mg/Kg	0.0018	0.0011	1	02/07/2022 07:30	02/07/2022 22:03	M
4,4`-DDE	0.0011 U	mg/Kg	0.0018	0.0011	1	02/07/2022 07:30	02/07/2022 22:03	M
4,4`-DDT	0.0011 U	mg/Kg	0.0018	0.0011	1	02/07/2022 07:30	02/07/2022 22:03	M
Aldrin	0.0011 U	mg/Kg	0.0018	0.0011	1	02/07/2022 07:30	02/07/2022 22:03	M
Chlordane (technical)	0.010 U	mg/Kg	0.035	0.010	1	02/07/2022 07:30	02/07/2022 22:03	M
Dieldrin	0.0011 U	mg/Kg	0.0018	0.0011	1	02/07/2022 07:30	02/07/2022 22:03	M
Endosulfan I	0.0011 U	mg/Kg	0.0018	0.0011	1	02/07/2022 07:30	02/07/2022 22:03	M
Endosulfan II	0.0011 U	mg/Kg	0.0018	0.0011	1	02/07/2022 07:30	02/07/2022 22:03	M
Endosulfan Sulfate	0.0011 U	mg/Kg	0.0018	0.0011	1	02/07/2022 07:30	02/07/2022 22:03	M
Endrin	0.0011 U	mg/Kg	0.0018	0.0011	1	02/07/2022 07:30	02/07/2022 22:03	M
Endrin Aldehyde	0.0011 U	mg/Kg	0.0018	0.0011	1	02/07/2022 07:30	02/07/2022 22:03	M
Heptachlor	0.0011 U	mg/Kg	0.0018	0.0011	1	02/07/2022 07:30	02/07/2022 22:03	M
Heptachlor Epoxide	0.0011 U	mg/Kg	0.0018	0.0011	1	02/07/2022 07:30	02/07/2022 22:03	M
Methoxychlor	0.0011 U	mg/Kg	0.0018	0.0011	1	02/07/2022 07:30	02/07/2022 22:03	M
Toxaphene	0.011 U	mg/Kg	0.035	0.011	1	02/07/2022 07:30	02/07/2022 22:03	M
alpha-BHC	0.0011 U	mg/Kg	0.0018	0.0011	1	02/07/2022 07:30	02/07/2022 22:03	M
beta-BHC	0.0011 U	mg/Kg	0.0018	0.0011	1	02/07/2022 07:30	02/07/2022 22:03	M
delta-BHC	0.0011 U	mg/Kg	0.0018	0.0011	1	02/07/2022 07:30	02/07/2022 22:03	M
gamma-BHC (Lindane)	0.0011 U	mg/Kg	0.0018	0.0011	1	02/07/2022 07:30	02/07/2022 22:03	M
SEMIVOLATILES (SW-846 3550B/SW-846 8082A)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528005 **Date Collected:** 02/03/2022 11:00 **Matrix:** Soil
Sample ID: SB-23@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Aroclor 1016 (PCB-1016)	0.021 U	mg/Kg	0.035	0.021	1	02/07/2022 07:30	02/07/2022 22:03	M
Aroclor 1221 (PCB-1221)	0.025 U	mg/Kg	0.035	0.025	1	02/07/2022 07:30	02/07/2022 22:03	M
Aroclor 1232 (PCB-1232)	0.034 U	mg/Kg	0.035	0.034	1	02/07/2022 07:30	02/07/2022 22:03	M
Aroclor 1242 (PCB-1242)	0.026 U	mg/Kg	0.035	0.026	1	02/07/2022 07:30	02/07/2022 22:03	M
Aroclor 1248 (PCB-1248)	0.013 U	mg/Kg	0.035	0.013	1	02/07/2022 07:30	02/07/2022 22:03	M
Aroclor 1254 (PCB-1254)	0.0071 U	mg/Kg	0.035	0.0071	1	02/07/2022 07:30	02/07/2022 22:03	M
Aroclor 1260 (PCB-1260)	0.042 U	mg/Kg	0.071	0.042	1	02/07/2022 07:30	02/07/2022 22:03	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	0.0018 U	mg/Kg	0.0094	0.0018	1	02/09/2022 09:30	02/09/2022 19:54	T
2-Methylnaphthalene	0.0023 U	mg/Kg	0.0094	0.0023	1	02/09/2022 09:30	02/09/2022 19:54	T
Acenaphthene	0.0017 U	mg/Kg	0.0094	0.0017	1	02/09/2022 09:30	02/09/2022 19:54	T
Acenaphthylene	0.0020 U	mg/Kg	0.0094	0.0020	1	02/09/2022 09:30	02/09/2022 19:54	T
Anthracene	0.0028 U	mg/Kg	0.0094	0.0028	1	02/09/2022 09:30	02/09/2022 19:54	T
Benzo[a]anthracene	0.0023 U	mg/Kg	0.0094	0.0023	1	02/09/2022 09:30	02/09/2022 19:54	T
Benzo[a]pyrene	0.0019 U	mg/Kg	0.0094	0.0019	1	02/09/2022 09:30	02/09/2022 19:54	T
Benzo[b]fluoranthene	**0.0018 I**	mg/Kg	0.0094	0.0018	1	02/09/2022 09:30	02/09/2022 19:54	T
Benzo[g,h,i]perylene	0.0022 U	mg/Kg	0.0094	0.0022	1	02/09/2022 09:30	02/09/2022 19:54	T
Benzo[k]fluoranthene	0.0027 U	mg/Kg	0.0094	0.0027	1	02/09/2022 09:30	02/09/2022 19:54	T
Chrysene	0.0033 U	mg/Kg	0.0094	0.0033	1	02/09/2022 09:30	02/09/2022 19:54	T
Dibenzo[a,h]anthracene	0.0019 U	mg/Kg	0.0094	0.0019	1	02/09/2022 09:30	02/09/2022 19:54	T
Fluoranthene	0.0031 U	mg/Kg	0.0094	0.0031	1	02/09/2022 09:30	02/09/2022 19:54	T
Fluorene	0.0024 U	mg/Kg	0.0094	0.0024	1	02/09/2022 09:30	02/09/2022 19:54	T
Indeno(1,2,3-cd)pyrene	0.0027 U	mg/Kg	0.0094	0.0027	1	02/09/2022 09:30	02/09/2022 19:54	T
Naphthalene	0.0019 U	mg/Kg	0.0094	0.0019	1	02/09/2022 09:30	02/09/2022 19:54	T
Phenanthrene	0.0024 U	mg/Kg	0.0094	0.0024	1	02/09/2022 09:30	02/09/2022 19:54	T
Pyrene	0.0027 U	mg/Kg	0.0094	0.0027	1	02/09/2022 09:30	02/09/2022 19:54	T
SEMIVOLATILES (SW-846 3550B/SW-846 8270C)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528005 **Date Collected:** 02/03/2022 11:00 **Matrix:** Soil
Sample ID: SB-23@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,2,4-Trichlorobenzene	0.033 U	mg/Kg	0.22	0.033	1	02/09/2022 10:00	02/09/2022 17:22	T
1,2-Dichlorobenzene	0.045 U	mg/Kg	0.22	0.045	1	02/09/2022 10:00	02/09/2022 17:22	T
1,2-Diphenylhydrazine	0.086 U	mg/Kg	0.22	0.086	1	02/09/2022 10:00	02/09/2022 17:22	T
1,3-Dichlorobenzene	0.023 U	mg/Kg	0.22	0.023	1	02/09/2022 10:00	02/09/2022 17:22	T
1,4-Dichlorobenzene	0.050 U	mg/Kg	0.22	0.050	1	02/09/2022 10:00	02/09/2022 17:22	T
1-Methylnaphthalene	0.0043 U	mg/Kg	0.22	0.0043	1	02/09/2022 10:00	02/09/2022 17:22	T
2,4,6-Trichlorophenol	0.042 U	mg/Kg	0.22	0.042	1	02/09/2022 10:00	02/09/2022 17:22	T
2,4-Dichlorophenol	0.048 U	mg/Kg	0.22	0.048	1	02/09/2022 10:00	02/09/2022 17:22	T
2,4-Dimethylphenol	0.048 U	mg/Kg	0.22	0.048	1	02/09/2022 10:00	02/09/2022 17:22	T
2,4-Dinitrophenol	0.14 U	mg/Kg	0.22	0.14	1	02/09/2022 10:00	02/09/2022 17:22	T
2,4-Dinitrotoluene (2,4-DNT)	0.071 U	mg/Kg	0.22	0.071	1	02/09/2022 10:00	02/09/2022 17:22	T
2,6-Dinitrotoluene (2,6-DNT)	0.056 U	mg/Kg	0.22	0.056	1	02/09/2022 10:00	02/09/2022 17:22	T
2-Chloronaphthalene	0.043 U	mg/Kg	0.22	0.043	1	02/09/2022 10:00	02/09/2022 17:22	T
2-Chlorophenol	0.040 U	mg/Kg	0.22	0.040	1	02/09/2022 10:00	02/09/2022 17:22	T
2-Methyl-4,6-dinitrophenol	0.050 U	mg/Kg	0.22	0.050	1	02/09/2022 10:00	02/09/2022 17:22	T
2-Methylnaphthalene	0.0053 U	mg/Kg	0.22	0.0053	1	02/09/2022 10:00	02/09/2022 17:22	T
2-Nitrophenol	0.050 U	mg/Kg	0.22	0.050	1	02/09/2022 10:00	02/09/2022 17:22	T
3,3`-Dichlorobenzidine	0.031 U	mg/Kg	0.22	0.031	1	02/09/2022 10:00	02/09/2022 17:22	T
4-Bromophenyl Phenyl Ether	0.057 U	mg/Kg	0.22	0.057	1	02/09/2022 10:00	02/09/2022 17:22	T
4-Chloro-3-methylphenol	0.048 U	mg/Kg	0.22	0.048	1	02/09/2022 10:00	02/09/2022 17:22	T
4-Chlorophenyl Phenyl Ether	0.049 U	mg/Kg	0.22	0.049	1	02/09/2022 10:00	02/09/2022 17:22	T
4-Nitrophenol	0.063 U	mg/Kg	0.22	0.063	1	02/09/2022 10:00	02/09/2022 17:22	T
Acenaphthene	0.0051 U	mg/Kg	0.22	0.0051	1	02/09/2022 10:00	02/09/2022 17:22	T
Acenaphthylene	0.0057 U	mg/Kg	0.22	0.0057	1	02/09/2022 10:00	02/09/2022 17:22	T
Anthracene	0.0056 U	mg/Kg	0.22	0.0056	1	02/09/2022 10:00	02/09/2022 17:22	T
Benzidine	0.044 U	mg/Kg	0.22	0.044	1	02/09/2022 10:00	02/09/2022 17:22	T
Benzo[a]anthracene	0.0051 U	mg/Kg	0.22	0.0051	1	02/09/2022 10:00	02/09/2022 17:22	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528005 **Date Collected:** 02/03/2022 11:00 **Matrix:** Soil
Sample ID: SB-23@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[a]pyrene	0.0048 U	mg/Kg	0.22	0.0048	1	02/09/2022 10:00	02/09/2022 17:22	T
Benzo[b]fluoranthene	0.0071 U	mg/Kg	0.22	0.0071	1	02/09/2022 10:00	02/09/2022 17:22	T
Benzo[g,h,i]perylene	0.0042 U	mg/Kg	0.22	0.0042	1	02/09/2022 10:00	02/09/2022 17:22	T
Benzo[k]fluoranthene	0.0075 U	mg/Kg	0.22	0.0075	1	02/09/2022 10:00	02/09/2022 17:22	T
Butyl benzyl phthalate	0.031 U	mg/Kg	0.22	0.031	1	02/09/2022 10:00	02/09/2022 17:22	T
Chrysene	0.0057 U	mg/Kg	0.22	0.0057	1	02/09/2022 10:00	02/09/2022 17:22	T
Di-n-Butyl Phthalate	0.047 U	mg/Kg	0.22	0.047	1	02/09/2022 10:00	02/09/2022 17:22	T
Di-n-octyl Phthalate	0.030 U	mg/Kg	0.22	0.030	1	02/09/2022 10:00	02/09/2022 17:22	T
Dibenzo[a,h]anthracene	0.0043 U	mg/Kg	0.22	0.0043	1	02/09/2022 10:00	02/09/2022 17:22	T
Diethyl phthalate	0.043 U	mg/Kg	0.22	0.043	1	02/09/2022 10:00	02/09/2022 17:22	T
Dimethyl phthalate	0.042 U	mg/Kg	0.22	0.042	1	02/09/2022 10:00	02/09/2022 17:22	T
Fluoranthene	0.054 U	mg/Kg	0.22	0.054	1	02/09/2022 10:00	02/09/2022 17:22	T
Fluorene	0.0050 U	mg/Kg	0.22	0.0050	1	02/09/2022 10:00	02/09/2022 17:22	T
Hexachlorobenzene	0.066 U	mg/Kg	0.22	0.066	1	02/09/2022 10:00	02/09/2022 17:22	T
Hexachlorobutadiene	0.037 U	mg/Kg	0.22	0.037	1	02/09/2022 10:00	02/09/2022 17:22	T
Hexachlorocyclopentadiene	0.037 U	mg/Kg	0.22	0.037	1	02/09/2022 10:00	02/09/2022 17:22	T
Hexachloroethane	0.031 U	mg/Kg	0.22	0.031	1	02/09/2022 10:00	02/09/2022 17:22	T
Indeno(1,2,3-cd)pyrene	0.0044 U	mg/Kg	0.22	0.0044	1	02/09/2022 10:00	02/09/2022 17:22	T
Isophorone	0.025 U	mg/Kg	0.22	0.025	1	02/09/2022 10:00	02/09/2022 17:22	T
N-Nitrosodi-n-propylamine	0.040 U	mg/Kg	0.22	0.040	1	02/09/2022 10:00	02/09/2022 17:22	T
N-Nitrosodimethylamine	0.010 U	mg/Kg	0.22	0.010	1	02/09/2022 10:00	02/09/2022 17:22	T
N-Nitrosodiphenylamine	0.030 U	mg/Kg	0.22	0.030	1	02/09/2022 10:00	02/09/2022 17:22	T
Naphthalene	0.0054 U	mg/Kg	0.22	0.0054	1	02/09/2022 10:00	02/09/2022 17:22	T
Nitrobenzene	0.054 U	mg/Kg	0.22	0.054	1	02/09/2022 10:00	02/09/2022 17:22	T
Pentachlorophenol	0.075 U	mg/Kg	0.22	0.075	1	02/09/2022 10:00	02/09/2022 17:22	T
Phenanthrene	0.0064 U	mg/Kg	0.22	0.0064	1	02/09/2022 10:00	02/09/2022 17:22	T
Phenol	0.044 U	mg/Kg	0.22	0.044	1	02/09/2022 10:00	02/09/2022 17:22	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528005 **Date Collected:** 02/03/2022 11:00 **Matrix:** Soil
Sample ID: SB-23@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	0.0048 U	mg/Kg	0.22	0.0048	1	02/09/2022 10:00	02/09/2022 17:22	T
bis(2-Chloroethoxy)methane	0.033 U	mg/Kg	0.22	0.033	1	02/09/2022 10:00	02/09/2022 17:22	T
bis(2-Chloroethyl)Ether	0.046 U	mg/Kg	0.22	0.046	1	02/09/2022 10:00	02/09/2022 17:22	T
bis(2-Chloroisopropyl) Ether	0.041 U	mg/Kg	0.22	0.041	1	02/09/2022 10:00	02/09/2022 17:22	T
bis(2-Ethylhexyl) phthalate	0.035 U	mg/Kg	0.22	0.035	1	02/09/2022 10:00	02/09/2022 17:22	T
(SM 2540G)								
Percent Moisture	**12**	%	0.001	0.0010	1	02/08/2022 09:00	02/08/2022 09:00	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1-Trichloroethane	0.00081 U	mg/Kg	0.0035	0.00081	1	02/07/2022 16:36	02/08/2022 00:55	T
1,1,2,2-Tetrachloroethane	0.00059 U	mg/Kg	0.0035	0.00059	1	02/07/2022 16:36	02/08/2022 00:55	T
1,1,2-Trichloroethane	0.00057 U	mg/Kg	0.0035	0.00057	1	02/07/2022 16:36	02/08/2022 00:55	T
1,1-Dichloroethane	0.00081 U	mg/Kg	0.0035	0.00081	1	02/07/2022 16:36	02/08/2022 00:55	T
1,1-Dichloroethylene	0.00085 U	mg/Kg	0.0035	0.00085	1	02/07/2022 16:36	02/08/2022 00:55	T
1,2-Dichlorobenzene	0.00055 U	mg/Kg	0.0035	0.00055	1	02/07/2022 16:36	02/08/2022 00:55	T
1,2-Dichloroethane	0.00091 U	mg/Kg	0.0035	0.00091	1	02/07/2022 16:36	02/08/2022 00:55	T
1,2-Dichloropropane	0.00062 U	mg/Kg	0.0035	0.00062	1	02/07/2022 16:36	02/08/2022 00:55	T
1,3-Dichlorobenzene	0.00064 U	mg/Kg	0.0035	0.00064	1	02/07/2022 16:36	02/08/2022 00:55	T
1,4-Dichlorobenzene	0.00077 U	mg/Kg	0.0035	0.00077	1	02/07/2022 16:36	02/08/2022 00:55	T
2-Chloroethyl Vinyl Ether	0.0030 U	mg/Kg	0.0035	0.0030	1	02/07/2022 16:36	02/08/2022 00:55	T
Acrolein (Propenal)	0.0072 U	mg/Kg	0.017	0.0072	1	02/07/2022 16:36	02/08/2022 00:55	T
Acrylonitrile	0.00060 U	mg/Kg	0.0035	0.00060	1	02/07/2022 16:36	02/08/2022 00:55	T
Benzene	0.00058 U	mg/Kg	0.0035	0.00058	1	02/07/2022 16:36	02/08/2022 00:55	T
Bromodichloromethane	0.00061 U	mg/Kg	0.0035	0.00061	1	02/07/2022 16:36	02/08/2022 00:55	T
Bromoform	0.0023 U	mg/Kg	0.0035	0.0023	1	02/07/2022 16:36	02/08/2022 00:55	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528005 **Date Collected:** 02/03/2022 11:00 **Matrix:** Soil
Sample ID: SB-23@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Bromomethane	0.0014 U	mg/Kg	0.0035	0.0014	1	02/07/2022 16:36	02/08/2022 00:55	T
Carbon Tetrachloride	0.00098 U	mg/Kg	0.0035	0.00098	1	02/07/2022 16:36	02/08/2022 00:55	T
Chlorobenzene	0.00052 U	mg/Kg	0.0035	0.00052	1	02/07/2022 16:36	02/08/2022 00:55	T
Chloroethane	0.0017 U	mg/Kg	0.0035	0.0017	1	02/07/2022 16:36	02/08/2022 00:55	T
Chloroform	0.00071 U	mg/Kg	0.0035	0.00071	1	02/07/2022 16:36	02/08/2022 00:55	T
Chloromethane	0.00080 U	mg/Kg	0.0035	0.00080	1	02/07/2022 16:36	02/08/2022 00:55	T
Dibromochloromethane	0.0020 U	mg/Kg	0.0035	0.0020	1	02/07/2022 16:36	02/08/2022 00:55	T
Dichlorodifluoromethane	0.0012 U	mg/Kg	0.0035	0.0012	1	02/07/2022 16:36	02/08/2022 00:55	T
Ethylbenzene	0.00041 U	mg/Kg	0.0035	0.00041	1	02/07/2022 16:36	02/08/2022 00:55	T
Methyl tert-butyl Ether (MTBE)	0.0011 U	mg/Kg	0.0035	0.0011	1	02/07/2022 16:36	02/08/2022 00:55	T
Methylene Chloride	0.0047 U	mg/Kg	0.0058	0.0047	1	02/07/2022 16:36	02/08/2022 00:55	T
Tetrachloroethylene (PCE)	0.00066 U	mg/Kg	0.0035	0.00066	1	02/07/2022 16:36	02/08/2022 00:55	T
Toluene	0.00043 U	mg/Kg	0.0035	0.00043	1	02/07/2022 16:36	02/08/2022 00:55	T
Trichloroethene	0.00086 U	mg/Kg	0.0035	0.00086	1	02/07/2022 16:36	02/08/2022 00:55	T
Trichlorofluoromethane	0.00077 U	mg/Kg	0.0035	0.00077	1	02/07/2022 16:36	02/08/2022 00:55	T
Vinyl Chloride	0.00067 U	mg/Kg	0.0035	0.00067	1	02/07/2022 16:36	02/08/2022 00:55	T
Xylene (Total)	0.0015 U	mg/Kg	0.0070	0.0015	1	02/07/2022 16:36	02/08/2022 00:55	T
cis-1,2-Dichloroethylene	0.00069 U	mg/Kg	0.0035	0.00069	1	02/07/2022 16:36	02/08/2022 00:55	T
cis-1,3-Dichloropropene	0.0025 U	mg/Kg	0.0035	0.0025	1	02/07/2022 16:36	02/08/2022 00:55	T
trans-1,2-Dichloroethylene	0.00070 U	mg/Kg	0.0035	0.00070	1	02/07/2022 16:36	02/08/2022 00:55	T
trans-1,3-Dichloropropylene	0.0021 U	mg/Kg	0.0035	0.0021	1	02/07/2022 16:36	02/08/2022 00:55	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Analysis Results Comments

Decachlorobiphenyl

J4|Estimated Result

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	51	52	101	69 - 134	T
Toluene-d8 (S)	ug/Kg	51	49	95	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	51	56	110	79 - 126	T
2-Fluorobiphenyl (S)	mg/Kg	0.41	0.32	79	37 - 127	T
Nitrobenzene-d5 (S)	mg/Kg	0.41	0.41	99	33 - 134	T
p-Terphenyl-d14 (S)	mg/Kg	0.41	0.42	102	42 - 141	T
Nonatricontane-C39 (S)	mg/Kg	6.20	5.50	88	36 - 132	T
o-Terphenyl (S)	mg/Kg	2.10	1.40	69	66 - 136	T
Decachlorobiphenyl (S)	ug/Kg	78	42	**54**	63 - 130	M
Tetrachloro-m-xylene (S)	ug/Kg	160	150	94	42 - 129	M
2,4,6-Tribromophenol (S)	mg/Kg	2	2	99	39 - 132	T
Phenol-d6 (S)	mg/Kg	2	1.60	80	33 - 122	T
2-Fluorobiphenyl (S)	mg/Kg	2	1.40	73	44 - 115	T
2-Fluorophenol (S)	mg/Kg	2	1.50	78	35 - 115	T
Nitrobenzene-d5 (S)	mg/Kg	2	1.60	80	37 - 122	T
p-Terphenyl-d14 (S)	mg/Kg	2	1.70	88	54 - 127	T
Decachlorobiphenyl (S)	ug/Kg	78	42	**54**	61 - 147	M
Tetrachloro-m-xylene (S)	ug/Kg	160	150	94	44 - 130	M

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528006 **Date Collected:** 02/03/2022 11:20 **Matrix:** Soil
Sample ID: SB-22@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**1.5**	mg/Kg	0.34	0.17	1	02/08/2022 15:00	02/09/2022 18:33	T
Cadmium	0.034 U	mg/Kg	0.068	0.034	1	02/08/2022 15:00	02/09/2022 18:33	T
Chromium	**3.1**	mg/Kg	0.34	0.27	1	02/08/2022 15:00	02/09/2022 18:33	T
Lead	**120**	mg/Kg	0.34	0.17	1	02/08/2022 15:00	02/09/2022 18:33	T
SEMIVOLATILES (FL-PRO)								
TPH	**33**	mg/Kg	17	6.1	1	02/09/2022 09:30	02/10/2022 00:59	T
SEMIVOLATILES (SW-846 3550B/EPA 8081)								
4,4`-DDD	0.0014 U	mg/Kg	0.0021	0.0014	1	02/07/2022 07:30	02/08/2022 00:00	M
4,4`-DDE	0.0014 U	mg/Kg	0.0021	0.0014	1	02/07/2022 07:30	02/08/2022 00:00	M
4,4`-DDT	0.0014 U	mg/Kg	0.0021	0.0014	1	02/07/2022 07:30	02/08/2022 00:00	M
Aldrin	0.0014 U	mg/Kg	0.0021	0.0014	1	02/07/2022 07:30	02/08/2022 00:00	M
Chlordane (technical)	0.013 U	mg/Kg	0.042	0.013	1	02/07/2022 07:30	02/08/2022 00:00	M
Dieldrin	0.0014 U	mg/Kg	0.0021	0.0014	1	02/07/2022 07:30	02/08/2022 00:00	M
Endosulfan I	0.0014 U	mg/Kg	0.0021	0.0014	1	02/07/2022 07:30	02/08/2022 00:00	M
Endosulfan II	0.0014 U	mg/Kg	0.0021	0.0014	1	02/07/2022 07:30	02/08/2022 00:00	M
Endosulfan Sulfate	0.0014 U	mg/Kg	0.0021	0.0014	1	02/07/2022 07:30	02/08/2022 00:00	M
Endrin	0.0014 U	mg/Kg	0.0021	0.0014	1	02/07/2022 07:30	02/08/2022 00:00	M
Endrin Aldehyde	0.0014 U	mg/Kg	0.0021	0.0014	1	02/07/2022 07:30	02/08/2022 00:00	M
Heptachlor	0.0014 U	mg/Kg	0.0021	0.0014	1	02/07/2022 07:30	02/08/2022 00:00	M
Heptachlor Epoxide	0.0014 U	mg/Kg	0.0021	0.0014	1	02/07/2022 07:30	02/08/2022 00:00	M
Methoxychlor	0.0014 U	mg/Kg	0.0021	0.0014	1	02/07/2022 07:30	02/08/2022 00:00	M
Toxaphene	0.014 U	mg/Kg	0.042	0.014	1	02/07/2022 07:30	02/08/2022 00:00	M
alpha-BHC	0.0014 U	mg/Kg	0.0021	0.0014	1	02/07/2022 07:30	02/08/2022 00:00	M
beta-BHC	0.0014 U	mg/Kg	0.0021	0.0014	1	02/07/2022 07:30	02/08/2022 00:00	M
delta-BHC	0.0014 U	mg/Kg	0.0021	0.0014	1	02/07/2022 07:30	02/08/2022 00:00	M
gamma-BHC (Lindane)	0.0014 U	mg/Kg	0.0021	0.0014	1	02/07/2022 07:30	02/08/2022 00:00	M
SEMIVOLATILES (SW-846 3550B/SW-846 8082A)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528006 **Date Collected:** 02/03/2022 11:20 **Matrix:** Soil
Sample ID: SB-22@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Aroclor 1016 (PCB-1016)	0.025 U	mg/Kg	0.042	0.025	1	02/07/2022 07:30	02/08/2022 12:53	M
Aroclor 1221 (PCB-1221)	0.030 U	mg/Kg	0.042	0.030	1	02/07/2022 07:30	02/08/2022 12:53	M
Aroclor 1232 (PCB-1232)	0.040 U	mg/Kg	0.042	0.040	1	02/07/2022 07:30	02/08/2022 12:53	M
Aroclor 1242 (PCB-1242)	0.032 U	mg/Kg	0.042	0.032	1	02/07/2022 07:30	02/08/2022 12:53	M
Aroclor 1248 (PCB-1248)	0.015 U	mg/Kg	0.042	0.015	1	02/07/2022 07:30	02/08/2022 12:53	M
Aroclor 1254 (PCB-1254)	0.0085 U	mg/Kg	0.042	0.0085	1	02/07/2022 07:30	02/08/2022 12:53	M
Aroclor 1260 (PCB-1260)	0.051 U	mg/Kg	0.085	0.051	1	02/07/2022 07:30	02/08/2022 12:53	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	**0.13**	mg/Kg	0.010	0.0019	1	02/09/2022 09:30	02/09/2022 20:22	T
2-Methylnaphthalene	**0.17**	mg/Kg	0.010	0.0025	1	02/09/2022 09:30	02/09/2022 20:22	T
Acenaphthene	**0.0058 I**	mg/Kg	0.010	0.0018	1	02/09/2022 09:30	02/09/2022 20:22	T
Acenaphthylene	**0.020**	mg/Kg	0.010	0.0022	1	02/09/2022 09:30	02/09/2022 20:22	T
Anthracene	**0.026**	mg/Kg	0.010	0.0031	1	02/09/2022 09:30	02/09/2022 20:22	T
Benzo[a]anthracene	**0.068**	mg/Kg	0.010	0.0024	1	02/09/2022 09:30	02/09/2022 20:22	T
Benzo[a]pyrene	**0.077**	mg/Kg	0.010	0.0021	1	02/09/2022 09:30	02/09/2022 20:22	T
Benzo[b]fluoranthene	**0.13**	mg/Kg	0.010	0.0019	1	02/09/2022 09:30	02/09/2022 20:22	T
Benzo[g,h,i]perylene	**0.098**	mg/Kg	0.010	0.0023	1	02/09/2022 09:30	02/09/2022 20:22	T
Benzo[k]fluoranthene	**0.044**	mg/Kg	0.010	0.0029	1	02/09/2022 09:30	02/09/2022 20:22	T
Chrysene	**0.10**	mg/Kg	0.010	0.0036	1	02/09/2022 09:30	02/09/2022 20:22	T
Dibenzo[a,h]anthracene	**0.023**	mg/Kg	0.010	0.0020	1	02/09/2022 09:30	02/09/2022 20:22	T
Fluoranthene	**0.10**	mg/Kg	0.010	0.0034	1	02/09/2022 09:30	02/09/2022 20:22	T
Fluorene	**0.0051 I**	mg/Kg	0.010	0.0026	1	02/09/2022 09:30	02/09/2022 20:22	T
Indeno(1,2,3-cd)pyrene	**0.089**	mg/Kg	0.010	0.0029	1	02/09/2022 09:30	02/09/2022 20:22	T
Naphthalene	**0.10**	mg/Kg	0.010	0.0021	1	02/09/2022 09:30	02/09/2022 20:22	T
Phenanthrene	**0.14**	mg/Kg	0.010	0.0026	1	02/09/2022 09:30	02/09/2022 20:22	T
Pyrene	**0.12**	mg/Kg	0.010	0.0029	1	02/09/2022 09:30	02/09/2022 20:22	T
SEMIVOLATILES (SW-846 3550B/SW-846 8270C)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528006 **Date Collected:** 02/03/2022 11:20 **Matrix:** Soil
Sample ID: SB-22@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,2,4-Trichlorobenzene	0.040 U	mg/Kg	0.27	0.040	1	02/09/2022 10:00	02/09/2022 19:51	T
1,2-Dichlorobenzene	0.054 U	mg/Kg	0.27	0.054	1	02/09/2022 10:00	02/09/2022 19:51	T
1,2-Diphenylhydrazine	0.10 U	mg/Kg	0.27	0.10	1	02/09/2022 10:00	02/09/2022 19:51	T
1,3-Dichlorobenzene	0.028 U	mg/Kg	0.27	0.028	1	02/09/2022 10:00	02/09/2022 19:51	T
1,4-Dichlorobenzene	0.060 U	mg/Kg	0.27	0.060	1	02/09/2022 10:00	02/09/2022 19:51	T
1-Methylnaphthalene	**0.017 I**	mg/Kg	0.27	0.0052	1	02/09/2022 10:00	02/09/2022 19:51	T
2,4,6-Trichlorophenol	0.050 U	mg/Kg	0.27	0.050	1	02/09/2022 10:00	02/09/2022 19:51	T
2,4-Dichlorophenol	0.057 U	mg/Kg	0.27	0.057	1	02/09/2022 10:00	02/09/2022 19:51	T
2,4-Dimethylphenol	0.057 U	mg/Kg	0.27	0.057	1	02/09/2022 10:00	02/09/2022 19:51	T
2,4-Dinitrophenol	0.16 U	mg/Kg	0.27	0.16	1	02/09/2022 10:00	02/09/2022 19:51	T
2,4-Dinitrotoluene (2,4-DNT)	0.085 U	mg/Kg	0.27	0.085	1	02/09/2022 10:00	02/09/2022 19:51	T
2,6-Dinitrotoluene (2,6-DNT)	0.068 U	mg/Kg	0.27	0.068	1	02/09/2022 10:00	02/09/2022 19:51	T
2-Chloronaphthalene	0.052 U	mg/Kg	0.27	0.052	1	02/09/2022 10:00	02/09/2022 19:51	T
2-Chlorophenol	0.048 U	mg/Kg	0.27	0.048	1	02/09/2022 10:00	02/09/2022 19:51	T
2-Methyl-4,6-dinitrophenol	0.060 U	mg/Kg	0.27	0.060	1	02/09/2022 10:00	02/09/2022 19:51	T
2-Methylnaphthalene	**0.017 I**	mg/Kg	0.27	0.0064	1	02/09/2022 10:00	02/09/2022 19:51	T
2-Nitrophenol	0.060 U	mg/Kg	0.27	0.060	1	02/09/2022 10:00	02/09/2022 19:51	T
3,3`-Dichlorobenzidine	0.037 U	mg/Kg	0.27	0.037	1	02/09/2022 10:00	02/09/2022 19:51	T
4-Bromophenyl Phenyl Ether	0.069 U	mg/Kg	0.27	0.069	1	02/09/2022 10:00	02/09/2022 19:51	T
4-Chloro-3-methylphenol	0.057 U	mg/Kg	0.27	0.057	1	02/09/2022 10:00	02/09/2022 19:51	T
4-Chlorophenyl Phenyl Ether	0.059 U	mg/Kg	0.27	0.059	1	02/09/2022 10:00	02/09/2022 19:51	T
4-Nitrophenol	0.076 U	mg/Kg	0.27	0.076	1	02/09/2022 10:00	02/09/2022 19:51	T
Acenaphthene	0.0061 U	mg/Kg	0.27	0.0061	1	02/09/2022 10:00	02/09/2022 19:51	T
Acenaphthylene	**0.019 I**	mg/Kg	0.27	0.0069	1	02/09/2022 10:00	02/09/2022 19:51	T
Anthracene	**0.012 I**	mg/Kg	0.27	0.0068	1	02/09/2022 10:00	02/09/2022 19:51	T
Benzidine	0.053 U	mg/Kg	0.27	0.053	1	02/09/2022 10:00	02/09/2022 19:51	T
Benzo[a]anthracene	0.0061 U	mg/Kg	0.27	0.0061	1	02/09/2022 10:00	02/09/2022 19:51	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528006 **Date Collected:** 02/03/2022 11:20 **Matrix:** Soil
Sample ID: SB-22@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[a]pyrene	**0.085 I**	mg/Kg	0.27	0.0058	1	02/09/2022 10:00	02/09/2022 19:51	T
Benzo[b]fluoranthene	**0.14 I**	mg/Kg	0.27	0.0086	1	02/09/2022 10:00	02/09/2022 19:51	T
Benzo[g,h,i]perylene	**0.082 I**	mg/Kg	0.27	0.0050	1	02/09/2022 10:00	02/09/2022 19:51	T
Benzo[k]fluoranthene	0.0090 U	mg/Kg	0.27	0.0090	1	02/09/2022 10:00	02/09/2022 19:51	T
Butyl benzyl phthalate	0.037 U	mg/Kg	0.27	0.037	1	02/09/2022 10:00	02/09/2022 19:51	T
Chrysene	**0.082 I**	mg/Kg	0.27	0.0068	1	02/09/2022 10:00	02/09/2022 19:51	T
Di-n-Butyl Phthalate	0.056 U	mg/Kg	0.27	0.056	1	02/09/2022 10:00	02/09/2022 19:51	T
Di-n-octyl Phthalate	0.036 U	mg/Kg	0.27	0.036	1	02/09/2022 10:00	02/09/2022 19:51	T
Dibenzo[a,h]anthracene	**0.020 I**	mg/Kg	0.27	0.0052	1	02/09/2022 10:00	02/09/2022 19:51	T
Diethyl phthalate	0.052 U	mg/Kg	0.27	0.052	1	02/09/2022 10:00	02/09/2022 19:51	T
Dimethyl phthalate	0.051 U	mg/Kg	0.27	0.051	1	02/09/2022 10:00	02/09/2022 19:51	T
Fluoranthene	**0.090 I**	mg/Kg	0.27	0.065	1	02/09/2022 10:00	02/09/2022 19:51	T
Fluorene	0.0060 U	mg/Kg	0.27	0.0060	1	02/09/2022 10:00	02/09/2022 19:51	T
Hexachlorobenzene	0.079 U	mg/Kg	0.27	0.079	1	02/09/2022 10:00	02/09/2022 19:51	T
Hexachlorobutadiene	0.044 U	mg/Kg	0.27	0.044	1	02/09/2022 10:00	02/09/2022 19:51	T
Hexachlorocyclopentadiene	0.045 U	mg/Kg	0.27	0.045	1	02/09/2022 10:00	02/09/2022 19:51	T
Hexachloroethane	0.038 U	mg/Kg	0.27	0.038	1	02/09/2022 10:00	02/09/2022 19:51	T
Indeno(1,2,3-cd)pyrene	**0.079 I**	mg/Kg	0.27	0.0053	1	02/09/2022 10:00	02/09/2022 19:51	T
Isophorone	0.030 U	mg/Kg	0.27	0.030	1	02/09/2022 10:00	02/09/2022 19:51	T
N-Nitrosodi-n-propylamine	0.048 U	mg/Kg	0.27	0.048	1	02/09/2022 10:00	02/09/2022 19:51	T
N-Nitrosodimethylamine	0.012 U	mg/Kg	0.27	0.012	1	02/09/2022 10:00	02/09/2022 19:51	T
N-Nitrosodiphenylamine	0.036 U	mg/Kg	0.27	0.036	1	02/09/2022 10:00	02/09/2022 19:51	T
Naphthalene	0.0065 U	mg/Kg	0.27	0.0065	1	02/09/2022 10:00	02/09/2022 19:51	T
Nitrobenzene	0.065 U	mg/Kg	0.27	0.065	1	02/09/2022 10:00	02/09/2022 19:51	T
Pentachlorophenol	0.090 U	mg/Kg	0.27	0.090	1	02/09/2022 10:00	02/09/2022 19:51	T
Phenanthrene	**0.047 I**	mg/Kg	0.27	0.0077	1	02/09/2022 10:00	02/09/2022 19:51	T
Phenol	0.053 U	mg/Kg	0.27	0.053	1	02/09/2022 10:00	02/09/2022 19:51	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528006 **Date Collected:** 02/03/2022 11:20 **Matrix:** Soil
Sample ID: SB-22@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	**0.091 I**	mg/Kg	0.27	0.0058	1	02/09/2022 10:00	02/09/2022 19:51	T
bis(2-Chloroethoxy)methane	0.039 U	mg/Kg	0.27	0.039	1	02/09/2022 10:00	02/09/2022 19:51	T
bis(2-Chloroethyl)Ether	0.055 U	mg/Kg	0.27	0.055	1	02/09/2022 10:00	02/09/2022 19:51	T
bis(2-Chloroisopropyl) Ether	0.049 U	mg/Kg	0.27	0.049	1	02/09/2022 10:00	02/09/2022 19:51	T
bis(2-Ethylhexyl) phthalate	0.042 U	mg/Kg	0.27	0.042	1	02/09/2022 10:00	02/09/2022 19:51	T
(SM 2540G)								
Percent Moisture	**26**	%	0.001	0.0010	1	02/08/2022 09:00	02/08/2022 09:00	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1-Trichloroethane	0.00087 U	mg/Kg	0.0037	0.00087	1	02/07/2022 16:36	02/08/2022 01:23	T
1,1,2,2-Tetrachloroethane	0.00064 U	mg/Kg	0.0037	0.00064	1	02/07/2022 16:36	02/08/2022 01:23	T
1,1,2-Trichloroethane	0.00061 U	mg/Kg	0.0037	0.00061	1	02/07/2022 16:36	02/08/2022 01:23	T
1,1-Dichloroethane	0.00088 U	mg/Kg	0.0037	0.00088	1	02/07/2022 16:36	02/08/2022 01:23	T
1,1-Dichloroethylene	0.00092 U	mg/Kg	0.0037	0.00092	1	02/07/2022 16:36	02/08/2022 01:23	T
1,2-Dichlorobenzene	0.00059 U	mg/Kg	0.0037	0.00059	1	02/07/2022 16:36	02/08/2022 01:23	T
1,2-Dichloroethane	0.00098 U	mg/Kg	0.0037	0.00098	1	02/07/2022 16:36	02/08/2022 01:23	T
1,2-Dichloropropane	0.00067 U	mg/Kg	0.0037	0.00067	1	02/07/2022 16:36	02/08/2022 01:23	T
1,3-Dichlorobenzene	0.00069 U	mg/Kg	0.0037	0.00069	1	02/07/2022 16:36	02/08/2022 01:23	T
1,4-Dichlorobenzene	0.00083 U	mg/Kg	0.0037	0.00083	1	02/07/2022 16:36	02/08/2022 01:23	T
2-Chloroethyl Vinyl Ether	0.0033 U	mg/Kg	0.0037	0.0033	1	02/07/2022 16:36	02/08/2022 01:23	T
Acrolein (Propenal)	0.0078 U	mg/Kg	0.019	0.0078	1	02/07/2022 16:36	02/08/2022 01:23	T
Acrylonitrile	0.00065 U	mg/Kg	0.0037	0.00065	1	02/07/2022 16:36	02/08/2022 01:23	T
Benzene	0.00062 U	mg/Kg	0.0037	0.00062	1	02/07/2022 16:36	02/08/2022 01:23	T
Bromodichloromethane	0.00066 U	mg/Kg	0.0037	0.00066	1	02/07/2022 16:36	02/08/2022 01:23	T
Bromoform	0.0025 U	mg/Kg	0.0037	0.0025	1	02/07/2022 16:36	02/08/2022 01:23	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528006 **Date Collected:** 02/03/2022 11:20 **Matrix:** Soil
Sample ID: SB-22@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Bromomethane	0.0016 U	mg/Kg	0.0037	0.0016	1	02/07/2022 16:36	02/08/2022 01:23	T
Carbon Tetrachloride	0.0011 U	mg/Kg	0.0037	0.0011	1	02/07/2022 16:36	02/08/2022 01:23	T
Chlorobenzene	0.00056 U	mg/Kg	0.0037	0.00056	1	02/07/2022 16:36	02/08/2022 01:23	T
Chloroethane	0.0019 U	mg/Kg	0.0037	0.0019	1	02/07/2022 16:36	02/08/2022 01:23	T
Chloroform	0.00076 U	mg/Kg	0.0037	0.00076	1	02/07/2022 16:36	02/08/2022 01:23	T
Chloromethane	0.00086 U	mg/Kg	0.0037	0.00086	1	02/07/2022 16:36	02/08/2022 01:23	T
Dibromochloromethane	0.0021 U	mg/Kg	0.0037	0.0021	1	02/07/2022 16:36	02/08/2022 01:23	T
Dichlorodifluoromethane	0.0013 U	mg/Kg	0.0037	0.0013	1	02/07/2022 16:36	02/08/2022 01:23	T
Ethylbenzene	0.00044 U	mg/Kg	0.0037	0.00044	1	02/07/2022 16:36	02/08/2022 01:23	T
Methyl tert-butyl Ether (MTBE)	0.0012 U	mg/Kg	0.0037	0.0012	1	02/07/2022 16:36	02/08/2022 01:23	T
Methylene Chloride	0.0050 U	mg/Kg	0.0062	0.0050	1	02/07/2022 16:36	02/08/2022 01:23	T
Tetrachloroethylene (PCE)	0.00071 U	mg/Kg	0.0037	0.00071	1	02/07/2022 16:36	02/08/2022 01:23	T
Toluene	0.00046 U	mg/Kg	0.0037	0.00046	1	02/07/2022 16:36	02/08/2022 01:23	T
Trichloroethene	0.00092 U	mg/Kg	0.0037	0.00092	1	02/07/2022 16:36	02/08/2022 01:23	T
Trichlorofluoromethane	0.00083 U	mg/Kg	0.0037	0.00083	1	02/07/2022 16:36	02/08/2022 01:23	T
Vinyl Chloride	0.00072 U	mg/Kg	0.0037	0.00072	1	02/07/2022 16:36	02/08/2022 01:23	T
Xylene (Total)	0.0016 U	mg/Kg	0.0075	0.0016	1	02/07/2022 16:36	02/08/2022 01:23	T
cis-1,2-Dichloroethylene	0.00074 U	mg/Kg	0.0037	0.00074	1	02/07/2022 16:36	02/08/2022 01:23	T
cis-1,3-Dichloropropene	0.0027 U	mg/Kg	0.0037	0.0027	1	02/07/2022 16:36	02/08/2022 01:23	T
trans-1,2-Dichloroethylene	0.00076 U	mg/Kg	0.0037	0.00076	1	02/07/2022 16:36	02/08/2022 01:23	T
trans-1,3-Dichloropropylene	0.0023 U	mg/Kg	0.0037	0.0023	1	02/07/2022 16:36	02/08/2022 01:23	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Analysis Results Comments

Decachlorobiphenyl

J4|Estimated Result

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	46	47	102	69 - 134	T
Toluene-d8 (S)	ug/Kg	46	45	97	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	46	52	112	79 - 126	T
2-Fluorobiphenyl (S)	mg/Kg	0.37	0.30	79	37 - 127	T
Nitrobenzene-d5 (S)	mg/Kg	0.37	0.41	110	33 - 134	T
p-Terphenyl-d14 (S)	mg/Kg	0.37	0.40	108	42 - 141	T
Nonatricontane-C39 (S)	mg/Kg	5.60	5.30	94	36 - 132	T
o-Terphenyl (S)	mg/Kg	1.90	1.50	82	66 - 136	T
Decachlorobiphenyl (S)	ug/Kg	78	48	**61**	63 - 130	M
Tetrachloro-m-xylene (S)	ug/Kg	160	150	96	42 - 129	M
2,4,6-Tribromophenol (S)	mg/Kg	2	1.80	92	39 - 132	T
Phenol-d6 (S)	mg/Kg	2	1.60	81	33 - 122	T
2-Fluorobiphenyl (S)	mg/Kg	2	1.60	79	44 - 115	T
2-Fluorophenol (S)	mg/Kg	2	1.60	78	35 - 115	T
Nitrobenzene-d5 (S)	mg/Kg	2	1.60	83	37 - 122	T
p-Terphenyl-d14 (S)	mg/Kg	2	1.80	91	54 - 127	T
Decachlorobiphenyl (S)	ug/Kg	78	48	61	61 - 147	M
Tetrachloro-m-xylene (S)	ug/Kg	160	150	96	44 - 130	M

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528007 **Date Collected:** 02/03/2022 11:40 **Matrix:** Soil
Sample ID: SB-21@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**0.94**	mg/Kg	0.34	0.17	1	02/08/2022 15:00	02/09/2022 18:36	T
Cadmium	0.034 U	mg/Kg	0.068	0.034	1	02/08/2022 15:00	02/09/2022 18:36	T
Chromium	**4.3**	mg/Kg	0.34	0.27	1	02/08/2022 15:00	02/09/2022 18:36	T
Lead	**200**	mg/Kg	0.34	0.17	1	02/08/2022 15:00	02/09/2022 18:36	T
SEMIVOLATILES (FL-PRO)								
TPH	**8.9 I**	mg/Kg	20	6.9	1	02/09/2022 09:30	02/09/2022 19:49	T
SEMIVOLATILES (SW-846 3550B/EPA 8081)								
4,4`-DDD	0.0015 U	mg/Kg	0.0023	0.0015	1	02/07/2022 07:30	02/07/2022 00:00	M
4,4`-DDE	0.0015 U	mg/Kg	0.0023	0.0015	1	02/07/2022 07:30	02/07/2022 00:00	M
4,4`-DDT	0.0015 U	mg/Kg	0.0023	0.0015	1	02/07/2022 07:30	02/07/2022 00:00	M
Aldrin	0.0015 U	mg/Kg	0.0023	0.0015	1	02/07/2022 07:30	02/07/2022 00:00	M
Chlordane (technical)	0.013 U	mg/Kg	0.045	0.013	1	02/07/2022 07:30	02/07/2022 00:00	M
Dieldrin	0.0015 U	mg/Kg	0.0023	0.0015	1	02/07/2022 07:30	02/07/2022 00:00	M
Endosulfan I	0.0015 U	mg/Kg	0.0023	0.0015	1	02/07/2022 07:30	02/07/2022 00:00	M
Endosulfan II	0.0015 U	mg/Kg	0.0023	0.0015	1	02/07/2022 07:30	02/07/2022 00:00	M
Endosulfan Sulfate	0.0015 U	mg/Kg	0.0023	0.0015	1	02/07/2022 07:30	02/07/2022 00:00	M
Endrin	0.0015 U	mg/Kg	0.0023	0.0015	1	02/07/2022 07:30	02/07/2022 00:00	M
Endrin Aldehyde	0.0015 U	mg/Kg	0.0023	0.0015	1	02/07/2022 07:30	02/07/2022 00:00	M
Heptachlor	0.0015 U	mg/Kg	0.0023	0.0015	1	02/07/2022 07:30	02/07/2022 00:00	M
Heptachlor Epoxide	0.0015 U	mg/Kg	0.0023	0.0015	1	02/07/2022 07:30	02/07/2022 00:00	M
Methoxychlor	0.0015 U	mg/Kg	0.0023	0.0015	1	02/07/2022 07:30	02/07/2022 00:00	M
Toxaphene	0.015 U	mg/Kg	0.045	0.015	1	02/07/2022 07:30	02/07/2022 00:00	M
alpha-BHC	0.0015 U	mg/Kg	0.0023	0.0015	1	02/07/2022 07:30	02/07/2022 00:00	M
beta-BHC	0.0015 U	mg/Kg	0.0023	0.0015	1	02/07/2022 07:30	02/07/2022 00:00	M
delta-BHC	0.0015 U	mg/Kg	0.0023	0.0015	1	02/07/2022 07:30	02/07/2022 00:00	M
gamma-BHC (Lindane)	0.0015 U	mg/Kg	0.0023	0.0015	1	02/07/2022 07:30	02/07/2022 00:00	M
SEMIVOLATILES (SW-846 3550B/SW-846 8082A)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528007 **Date Collected:** 02/03/2022 11:40 **Matrix:** Soil
Sample ID: SB-21@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Aroclor 1016 (PCB-1016)	0.027 U	mg/Kg	0.045	0.027	1	02/07/2022 07:30	02/07/2022 22:47	M
Aroclor 1221 (PCB-1221)	0.032 U	mg/Kg	0.045	0.032	1	02/07/2022 07:30	02/07/2022 22:47	M
Aroclor 1232 (PCB-1232)	0.043 U	mg/Kg	0.045	0.043	1	02/07/2022 07:30	02/07/2022 22:47	M
Aroclor 1242 (PCB-1242)	0.034 U	mg/Kg	0.045	0.034	1	02/07/2022 07:30	02/07/2022 22:47	M
Aroclor 1248 (PCB-1248)	0.016 U	mg/Kg	0.045	0.016	1	02/07/2022 07:30	02/07/2022 22:47	M
Aroclor 1254 (PCB-1254)	0.0091 U	mg/Kg	0.045	0.0091	1	02/07/2022 07:30	02/07/2022 22:47	M
Aroclor 1260 (PCB-1260)	0.054 U	mg/Kg	0.091	0.054	1	02/07/2022 07:30	02/07/2022 22:47	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	**0.041**	mg/Kg	0.012	0.0022	1	02/09/2022 09:30	02/09/2022 20:51	T
2-Methylnaphthalene	**0.046**	mg/Kg	0.012	0.0028	1	02/09/2022 09:30	02/09/2022 20:51	T
Acenaphthene	0.0021 U	mg/Kg	0.012	0.0021	1	02/09/2022 09:30	02/09/2022 20:51	T
Acenaphthylene	**0.0027 I**	mg/Kg	0.012	0.0025	1	02/09/2022 09:30	02/09/2022 20:51	T
Anthracene	**0.0039 I**	mg/Kg	0.012	0.0035	1	02/09/2022 09:30	02/09/2022 20:51	T
Benzo[a]anthracene	**0.018**	mg/Kg	0.012	0.0028	1	02/09/2022 09:30	02/09/2022 20:51	T
Benzo[a]pyrene	**0.016**	mg/Kg	0.012	0.0023	1	02/09/2022 09:30	02/09/2022 20:51	T
Benzo[b]fluoranthene	**0.025**	mg/Kg	0.012	0.0022	1	02/09/2022 09:30	02/09/2022 20:51	T
Benzo[g,h,i]perylene	**0.018**	mg/Kg	0.012	0.0027	1	02/09/2022 09:30	02/09/2022 20:51	T
Benzo[k]fluoranthene	**0.0089 I**	mg/Kg	0.012	0.0033	1	02/09/2022 09:30	02/09/2022 20:51	T
Chrysene	**0.026**	mg/Kg	0.012	0.0041	1	02/09/2022 09:30	02/09/2022 20:51	T
Dibenzo[a,h]anthracene	**0.0052 I**	mg/Kg	0.012	0.0023	1	02/09/2022 09:30	02/09/2022 20:51	T
Fluoranthene	**0.023**	mg/Kg	0.012	0.0039	1	02/09/2022 09:30	02/09/2022 20:51	T
Fluorene	0.0030 U	mg/Kg	0.012	0.0030	1	02/09/2022 09:30	02/09/2022 20:51	T
Indeno(1,2,3-cd)pyrene	**0.017**	mg/Kg	0.012	0.0033	1	02/09/2022 09:30	02/09/2022 20:51	T
Naphthalene	**0.027**	mg/Kg	0.012	0.0024	1	02/09/2022 09:30	02/09/2022 20:51	T
Phenanthrene	**0.038**	mg/Kg	0.012	0.0030	1	02/09/2022 09:30	02/09/2022 20:51	T
Pyrene	**0.026**	mg/Kg	0.012	0.0033	1	02/09/2022 09:30	02/09/2022 20:51	T
SEMIVOLATILES (SW-846 3550B/SW-846 8270C)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528007 **Date Collected:** 02/03/2022 11:40 **Matrix:** Soil
Sample ID: SB-21@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,2,4-Trichlorobenzene	0.042 U	mg/Kg	0.28	0.042	1	02/11/2022 16:00	02/13/2022 16:03	T
1,2-Dichlorobenzene	0.057 U	mg/Kg	0.28	0.057	1	02/11/2022 16:00	02/13/2022 16:03	T
1,2-Diphenylhydrazine	0.11 U	mg/Kg	0.28	0.11	1	02/11/2022 16:00	02/13/2022 16:03	T
1,3-Dichlorobenzene	0.030 U	mg/Kg	0.28	0.030	1	02/11/2022 16:00	02/13/2022 16:03	T
1,4-Dichlorobenzene	0.064 U	mg/Kg	0.28	0.064	1	02/11/2022 16:00	02/13/2022 16:03	T
1-Methylnaphthalene	**0.0097 I**	mg/Kg	0.28	0.0055	1	02/11/2022 16:00	02/13/2022 16:03	T
2,4,6-Trichlorophenol	0.053 U	mg/Kg	0.28	0.053	1	02/11/2022 16:00	02/13/2022 16:03	T
2,4-Dichlorophenol	0.060 U	mg/Kg	0.28	0.060	1	02/11/2022 16:00	02/13/2022 16:03	T
2,4-Dimethylphenol	0.060 U	mg/Kg	0.28	0.060	1	02/11/2022 16:00	02/13/2022 16:03	T
2,4-Dinitrophenol	0.17 U	mg/Kg	0.28	0.17	1	02/11/2022 16:00	02/13/2022 16:03	T
2,4-Dinitrotoluene (2,4-DNT)	0.090 U	mg/Kg	0.28	0.090	1	02/11/2022 16:00	02/13/2022 16:03	T
2,6-Dinitrotoluene (2,6-DNT)	0.072 U	mg/Kg	0.28	0.072	1	02/11/2022 16:00	02/13/2022 16:03	T
2-Chloronaphthalene	0.055 U	mg/Kg	0.28	0.055	1	02/11/2022 16:00	02/13/2022 16:03	T
2-Chlorophenol	0.051 U	mg/Kg	0.28	0.051	1	02/11/2022 16:00	02/13/2022 16:03	T
2-Methyl-4,6-dinitrophenol	0.064 U	mg/Kg	0.28	0.064	1	02/11/2022 16:00	02/13/2022 16:03	T
2-Methylnaphthalene	**0.0095 I**	mg/Kg	0.28	0.0068	1	02/11/2022 16:00	02/13/2022 16:03	T
2-Nitrophenol	0.063 U	mg/Kg	0.28	0.063	1	02/11/2022 16:00	02/13/2022 16:03	T
3,3`-Dichlorobenzidine	0.039 U	mg/Kg	0.28	0.039	1	02/11/2022 16:00	02/13/2022 16:03	T
4-Bromophenyl Phenyl Ether	0.073 U	mg/Kg	0.28	0.073	1	02/11/2022 16:00	02/13/2022 16:03	T
4-Chloro-3-methylphenol	0.060 U	mg/Kg	0.28	0.060	1	02/11/2022 16:00	02/13/2022 16:03	T
4-Chlorophenyl Phenyl Ether	0.062 U	mg/Kg	0.28	0.062	1	02/11/2022 16:00	02/13/2022 16:03	T
4-Nitrophenol	0.080 U	mg/Kg	0.28	0.080	1	02/11/2022 16:00	02/13/2022 16:03	T
Acenaphthene	0.0065 U	mg/Kg	0.28	0.0065	1	02/11/2022 16:00	02/13/2022 16:03	T
Acenaphthylene	0.0073 U	mg/Kg	0.28	0.0073	1	02/11/2022 16:00	02/13/2022 16:03	T
Anthracene	0.0072 U	mg/Kg	0.28	0.0072	1	02/11/2022 16:00	02/13/2022 16:03	T
Benzidine	0.056 U	mg/Kg	0.28	0.056	1	02/11/2022 16:00	02/13/2022 16:03	T
Benzo[a]anthracene	**0.028 I**	mg/Kg	0.28	0.0065	1	02/11/2022 16:00	02/13/2022 16:03	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528007 **Date Collected:** 02/03/2022 11:40 **Matrix:** Soil
Sample ID: SB-21@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[a]pyrene	**0.029 I**	mg/Kg	0.28	0.0061	1	02/11/2022 16:00	02/13/2022 16:03	T
Benzo[b]fluoranthene	**0.042 I**	mg/Kg	0.28	0.0090	1	02/11/2022 16:00	02/13/2022 16:03	T
Benzo[g,h,i]perylene	**0.026 I**	mg/Kg	0.28	0.0053	1	02/11/2022 16:00	02/13/2022 16:03	T
Benzo[k]fluoranthene	0.0095 U	mg/Kg	0.28	0.0095	1	02/11/2022 16:00	02/13/2022 16:03	T
Butyl benzyl phthalate	0.039 U	mg/Kg	0.28	0.039	1	02/11/2022 16:00	02/13/2022 16:03	T
Chrysene	**0.032 I**	mg/Kg	0.28	0.0072	1	02/11/2022 16:00	02/13/2022 16:03	T
Di-n-Butyl Phthalate	0.059 U	mg/Kg	0.28	0.059	1	02/11/2022 16:00	02/13/2022 16:03	T
Di-n-octyl Phthalate	0.037 U	mg/Kg	0.28	0.037	1	02/11/2022 16:00	02/13/2022 16:03	T
Dibenzo[a,h]anthracene	**0.0066 I**	mg/Kg	0.28	0.0054	1	02/11/2022 16:00	02/13/2022 16:03	T
Diethyl phthalate	0.055 U	mg/Kg	0.28	0.055	1	02/11/2022 16:00	02/13/2022 16:03	T
Dimethyl phthalate	0.053 U	mg/Kg	0.28	0.053	1	02/11/2022 16:00	02/13/2022 16:03	T
Fluoranthene	0.069 U	mg/Kg	0.28	0.069	1	02/11/2022 16:00	02/13/2022 16:03	T
Fluorene	0.0063 U	mg/Kg	0.28	0.0063	1	02/11/2022 16:00	02/13/2022 16:03	T
Hexachlorobenzene	0.083 U	mg/Kg	0.28	0.083	1	02/11/2022 16:00	02/13/2022 16:03	T
Hexachlorobutadiene	0.047 U	mg/Kg	0.28	0.047	1	02/11/2022 16:00	02/13/2022 16:03	T
Hexachlorocyclopentadiene	0.047 U	mg/Kg	0.28	0.047	1	02/11/2022 16:00	02/13/2022 16:03	T
Hexachloroethane	0.040 U	mg/Kg	0.28	0.040	1	02/11/2022 16:00	02/13/2022 16:03	T
Indeno(1,2,3-cd)pyrene	**0.023 I**	mg/Kg	0.28	0.0056	1	02/11/2022 16:00	02/13/2022 16:03	T
Isophorone	0.032 U	mg/Kg	0.28	0.032	1	02/11/2022 16:00	02/13/2022 16:03	T
N-Nitrosodi-n-propylamine	0.051 U	mg/Kg	0.28	0.051	1	02/11/2022 16:00	02/13/2022 16:03	T
N-Nitrosodimethylamine	0.013 U	mg/Kg	0.28	0.013	1	02/11/2022 16:00	02/13/2022 16:03	T
N-Nitrosodiphenylamine	0.037 U	mg/Kg	0.28	0.037	1	02/11/2022 16:00	02/13/2022 16:03	T
Naphthalene	0.0068 U	mg/Kg	0.28	0.0068	1	02/11/2022 16:00	02/13/2022 16:03	T
Nitrobenzene	0.068 U	mg/Kg	0.28	0.068	1	02/11/2022 16:00	02/13/2022 16:03	T
Pentachlorophenol	0.095 U	mg/Kg	0.28	0.095	1	02/11/2022 16:00	02/13/2022 16:03	T
Phenanthrene	**0.026 I**	mg/Kg	0.28	0.0081	1	02/11/2022 16:00	02/13/2022 16:03	T
Phenol	0.056 U	mg/Kg	0.28	0.056	1	02/11/2022 16:00	02/13/2022 16:03	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528007 **Date Collected:** 02/03/2022 11:40 **Matrix:** Soil
Sample ID: SB-21@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	**0.039 I**	mg/Kg	0.28	0.0061	1	02/11/2022 16:00	02/13/2022 16:03	T
bis(2-Chloroethoxy)methane	0.042 U	mg/Kg	0.28	0.042	1	02/11/2022 16:00	02/13/2022 16:03	T
bis(2-Chloroethyl)Ether	0.058 U	mg/Kg	0.28	0.058	1	02/11/2022 16:00	02/13/2022 16:03	T
bis(2-Chloroisopropyl) Ether	0.052 U	mg/Kg	0.28	0.052	1	02/11/2022 16:00	02/13/2022 16:03	T
bis(2-Ethylhexyl) phthalate	0.045 U	mg/Kg	0.28	0.045	1	02/11/2022 16:00	02/13/2022 16:03	T
(SM 2540G)								
Percent Moisture	**30**	%	0.001	0.0010	1	02/08/2022 09:00	02/08/2022 09:00	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1-Trichloroethane	0.00095 U	mg/Kg	0.0041	0.00095	1	02/07/2022 16:36	02/08/2022 01:51	T
1,1,2,2-Tetrachloroethane	0.00070 U	mg/Kg	0.0041	0.00070	1	02/07/2022 16:36	02/08/2022 01:51	T
1,1,2-Trichloroethane	0.00066 U	mg/Kg	0.0041	0.00066	1	02/07/2022 16:36	02/08/2022 01:51	T
1,1-Dichloroethane	0.00096 U	mg/Kg	0.0041	0.00096	1	02/07/2022 16:36	02/08/2022 01:51	T
1,1-Dichloroethylene	0.0010 U	mg/Kg	0.0041	0.0010	1	02/07/2022 16:36	02/08/2022 01:51	T
1,2-Dichlorobenzene	0.00065 U	mg/Kg	0.0041	0.00065	1	02/07/2022 16:36	02/08/2022 01:51	T
1,2-Dichloroethane	0.0011 U	mg/Kg	0.0041	0.0011	1	02/07/2022 16:36	02/08/2022 01:51	T
1,2-Dichloropropane	0.00073 U	mg/Kg	0.0041	0.00073	1	02/07/2022 16:36	02/08/2022 01:51	T
1,3-Dichlorobenzene	0.00075 U	mg/Kg	0.0041	0.00075	1	02/07/2022 16:36	02/08/2022 01:51	T
1,4-Dichlorobenzene	0.00090 U	mg/Kg	0.0041	0.00090	1	02/07/2022 16:36	02/08/2022 01:51	T
2-Chloroethyl Vinyl Ether	0.0036 U	mg/Kg	0.0041	0.0036	1	02/07/2022 16:36	02/08/2022 01:51	T
Acrolein (Propenal)	0.0085 U	mg/Kg	0.020	0.0085	1	02/07/2022 16:36	02/08/2022 01:51	T
Acrylonitrile	0.00071 U	mg/Kg	0.0041	0.00071	1	02/07/2022 16:36	02/08/2022 01:51	T
Benzene	0.00068 U	mg/Kg	0.0041	0.00068	1	02/07/2022 16:36	02/08/2022 01:51	T
Bromodichloromethane	0.00072 U	mg/Kg	0.0041	0.00072	1	02/07/2022 16:36	02/08/2022 01:51	T
Bromoform	0.0027 U	mg/Kg	0.0041	0.0027	1	02/07/2022 16:36	02/08/2022 01:51	T
Bromomethane	0.0017 U	mg/Kg	0.0041	0.0017	1	02/07/2022 16:36	02/08/2022 01:51	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528007 **Date Collected:** 02/03/2022 11:40 **Matrix:** Soil
Sample ID: SB-21@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Carbon Tetrachloride	0.0012 U	mg/Kg	0.0041	0.0012	1	02/07/2022 16:36	02/08/2022 01:51	T
Chlorobenzene	0.00061 U	mg/Kg	0.0041	0.00061	1	02/07/2022 16:36	02/08/2022 01:51	T
Chloroethane	0.0020 U	mg/Kg	0.0041	0.0020	1	02/07/2022 16:36	02/08/2022 01:51	T
Chloroform	0.00083 U	mg/Kg	0.0041	0.00083	1	02/07/2022 16:36	02/08/2022 01:51	T
Chloromethane	0.00094 U	mg/Kg	0.0041	0.00094	1	02/07/2022 16:36	02/08/2022 01:51	T
Dibromochloromethane	0.0023 U	mg/Kg	0.0041	0.0023	1	02/07/2022 16:36	02/08/2022 01:51	T
Dichlorodifluoromethane	0.0014 U	mg/Kg	0.0041	0.0014	1	02/07/2022 16:36	02/08/2022 01:51	T
Ethylbenzene	0.00049 U	mg/Kg	0.0041	0.00049	1	02/07/2022 16:36	02/08/2022 01:51	T
Methyl tert-butyl Ether (MTBE)	0.0013 U	mg/Kg	0.0041	0.0013	1	02/07/2022 16:36	02/08/2022 01:51	T
Methylene Chloride	0.0055 U	mg/Kg	0.0068	0.0055	1	02/07/2022 16:36	02/08/2022 01:51	T
Tetrachloroethylene (PCE)	0.00078 U	mg/Kg	0.0041	0.00078	1	02/07/2022 16:36	02/08/2022 01:51	T
Toluene	0.00050 U	mg/Kg	0.0041	0.00050	1	02/07/2022 16:36	02/08/2022 01:51	T
Trichloroethene	0.0010 U	mg/Kg	0.0041	0.0010	1	02/07/2022 16:36	02/08/2022 01:51	T
Trichlorofluoromethane	0.00090 U	mg/Kg	0.0041	0.00090	1	02/07/2022 16:36	02/08/2022 01:51	T
Vinyl Chloride	0.00079 U	mg/Kg	0.0041	0.00079	1	02/07/2022 16:36	02/08/2022 01:51	T
Xylene (Total)	0.0018 U	mg/Kg	0.0082	0.0018	1	02/07/2022 16:36	02/08/2022 01:51	T
cis-1,2-Dichloroethylene	0.00081 U	mg/Kg	0.0041	0.00081	1	02/07/2022 16:36	02/08/2022 01:51	T
cis-1,3-Dichloropropene	0.0029 U	mg/Kg	0.0041	0.0029	1	02/07/2022 16:36	02/08/2022 01:51	T
trans-1,2-Dichloroethylene	0.00083 U	mg/Kg	0.0041	0.00083	1	02/07/2022 16:36	02/08/2022 01:51	T
trans-1,3-Dichloropropylene	0.0025 U	mg/Kg	0.0041	0.0025	1	02/07/2022 16:36	02/08/2022 01:51	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Analysis Results Comments

Decachlorobiphenyl

J4|Estimated Result

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	48	47	99	69 - 134	T
Toluene-d8 (S)	ug/Kg	48	46	96	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	48	52	110	79 - 126	T
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.31	76	37 - 127	T
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.39	97	33 - 134	T
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.39	97	42 - 141	T
Nonatricontane-C39 (S)	mg/Kg	6	5	84	36 - 132	T
o-Terphenyl (S)	mg/Kg	2	1.40	70	66 - 136	T
Decachlorobiphenyl (S)	ug/Kg	79	43	**54**	63 - 130	M
Tetrachloro-m-xylene (S)	ug/Kg	160	140	88	42 - 129	M
2,4,6-Tribromophenol (S)	mg/Kg	2	1.70	88	39 - 132	T
Phenol-d6 (S)	mg/Kg	2	1.20	61	33 - 122	T
2-Fluorobiphenyl (S)	mg/Kg	2	1.20	61	44 - 115	T
2-Fluorophenol (S)	mg/Kg	2	1.10	57	35 - 115	T
Nitrobenzene-d5 (S)	mg/Kg	2	1.30	67	37 - 122	T
p-Terphenyl-d14 (S)	mg/Kg	2	1.70	86	54 - 127	T
Decachlorobiphenyl (S)	ug/Kg	79	43	**54**	61 - 147	M
Tetrachloro-m-xylene (S)	ug/Kg	160	140	88	44 - 130	M

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528008 **Date Collected:** 02/03/2022 12:00 **Matrix:** Soil
Sample ID: SB-20@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	0.19 U	mg/Kg	0.39	0.19	1	02/08/2022 15:00	02/09/2022 18:38	T
Cadmium	0.039 U	mg/Kg	0.078	0.039	1	02/08/2022 15:00	02/09/2022 18:38	T
Chromium	**0.70**	mg/Kg	0.39	0.31	1	02/08/2022 15:00	02/09/2022 18:38	T
Lead	**8.4**	mg/Kg	0.39	0.19	1	02/08/2022 15:00	02/09/2022 18:38	T
SEMIVOLATILES (FL-PRO)								
TPH	7.8 U	mg/Kg	22	7.8	1	02/09/2022 09:30	02/09/2022 19:21	T
SEMIVOLATILES (SW-846 3550B/EPA 8081)								
4,4`-DDD	0.0015 U	mg/Kg	0.0024	0.0015	1	02/07/2022 09:00	02/08/2022 02:04	M
4,4`-DDE	0.0015 U	mg/Kg	0.0024	0.0015	1	02/07/2022 09:00	02/08/2022 02:04	M
4,4`-DDT	0.0015 U	mg/Kg	0.0024	0.0015	1	02/07/2022 09:00	02/08/2022 02:04	M
Aldrin	0.0015 U	mg/Kg	0.0024	0.0015	1	02/07/2022 09:00	02/08/2022 02:04	M
Chlordane (technical)	0.014 U	mg/Kg	0.047	0.014	1	02/07/2022 09:00	02/08/2022 02:04	M
Dieldrin	0.0015 U	mg/Kg	0.0024	0.0015	1	02/07/2022 09:00	02/08/2022 02:04	M
Endosulfan I	0.0015 U	mg/Kg	0.0024	0.0015	1	02/07/2022 09:00	02/08/2022 02:04	M
Endosulfan II	0.0015 U	mg/Kg	0.0024	0.0015	1	02/07/2022 09:00	02/08/2022 02:04	M
Endosulfan Sulfate	0.0015 U	mg/Kg	0.0024	0.0015	1	02/07/2022 09:00	02/08/2022 02:04	M
Endrin	0.0015 U	mg/Kg	0.0024	0.0015	1	02/07/2022 09:00	02/08/2022 02:04	M
Endrin Aldehyde	0.0015 U	mg/Kg	0.0024	0.0015	1	02/07/2022 09:00	02/08/2022 02:04	M
Heptachlor	0.0015 U	mg/Kg	0.0024	0.0015	1	02/07/2022 09:00	02/08/2022 02:04	M
Heptachlor Epoxide	0.0015 U	mg/Kg	0.0024	0.0015	1	02/07/2022 09:00	02/08/2022 02:04	M
Methoxychlor	0.0015 U	mg/Kg	0.0024	0.0015	1	02/07/2022 09:00	02/08/2022 02:04	M
Toxaphene	0.015 U	mg/Kg	0.047	0.015	1	02/07/2022 09:00	02/08/2022 02:04	M
alpha-BHC	0.0015 U	mg/Kg	0.0024	0.0015	1	02/07/2022 09:00	02/08/2022 02:04	M
beta-BHC	0.0015 U	mg/Kg	0.0024	0.0015	1	02/07/2022 09:00	02/08/2022 02:04	M
delta-BHC	0.0015 U	mg/Kg	0.0024	0.0015	1	02/07/2022 09:00	02/08/2022 02:04	M
gamma-BHC (Lindane)	0.0015 U	mg/Kg	0.0024	0.0015	1	02/07/2022 09:00	02/08/2022 02:04	M
SEMIVOLATILES (SW-846 3550B/SW-846 8082A)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528008 **Date Collected:** 02/03/2022 12:00 **Matrix:** Soil
Sample ID: SB-20@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Aroclor 1016 (PCB-1016)	0.028 U	mg/Kg	0.047	0.028	1	02/07/2022 09:00	02/08/2022 02:04	M
Aroclor 1221 (PCB-1221)	0.033 U	mg/Kg	0.047	0.033	1	02/07/2022 09:00	02/08/2022 02:04	M
Aroclor 1232 (PCB-1232)	0.045 U	mg/Kg	0.047	0.045	1	02/07/2022 09:00	02/08/2022 02:04	M
Aroclor 1242 (PCB-1242)	0.035 U	mg/Kg	0.047	0.035	1	02/07/2022 09:00	02/08/2022 02:04	M
Aroclor 1248 (PCB-1248)	0.017 U	mg/Kg	0.047	0.017	1	02/07/2022 09:00	02/08/2022 02:04	M
Aroclor 1254 (PCB-1254)	0.0095 U	mg/Kg	0.047	0.0095	1	02/07/2022 09:00	02/08/2022 02:04	M
Aroclor 1260 (PCB-1260)	0.057 U	mg/Kg	0.095	0.057	1	02/07/2022 09:00	02/08/2022 02:04	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	0.0025 U	mg/Kg	0.013	0.0025	1	02/09/2022 09:30	02/09/2022 21:20	T
2-Methylnaphthalene	0.0032 U	mg/Kg	0.013	0.0032	1	02/09/2022 09:30	02/09/2022 21:20	T
Acenaphthene	0.0024 U	mg/Kg	0.013	0.0024	1	02/09/2022 09:30	02/09/2022 21:20	T
Acenaphthylene	0.0028 U	mg/Kg	0.013	0.0028	1	02/09/2022 09:30	02/09/2022 21:20	T
Anthracene	0.0039 U	mg/Kg	0.013	0.0039	1	02/09/2022 09:30	02/09/2022 21:20	T
Benzo[a]anthracene	0.0031 U	mg/Kg	0.013	0.0031	1	02/09/2022 09:30	02/09/2022 21:20	T
Benzo[a]pyrene	**0.0036 I**	mg/Kg	0.013	0.0026	1	02/09/2022 09:30	02/09/2022 21:20	T
Benzo[b]fluoranthene	**0.0063 I**	mg/Kg	0.013	0.0025	1	02/09/2022 09:30	02/09/2022 21:20	T
Benzo[g,h,i]perylene	**0.0036 I**	mg/Kg	0.013	0.0030	1	02/09/2022 09:30	02/09/2022 21:20	T
Benzo[k]fluoranthene	0.0037 U	mg/Kg	0.013	0.0037	1	02/09/2022 09:30	02/09/2022 21:20	T
Chrysene	0.0046 U	mg/Kg	0.013	0.0046	1	02/09/2022 09:30	02/09/2022 21:20	T
Dibenzo[a,h]anthracene	0.0026 U	mg/Kg	0.013	0.0026	1	02/09/2022 09:30	02/09/2022 21:20	T
Fluoranthene	0.0044 U	mg/Kg	0.013	0.0044	1	02/09/2022 09:30	02/09/2022 21:20	T
Fluorene	0.0034 U	mg/Kg	0.013	0.0034	1	02/09/2022 09:30	02/09/2022 21:20	T
Indeno(1,2,3-cd)pyrene	0.0037 U	mg/Kg	0.013	0.0037	1	02/09/2022 09:30	02/09/2022 21:20	T
Naphthalene	0.0027 U	mg/Kg	0.013	0.0027	1	02/09/2022 09:30	02/09/2022 21:20	T
Phenanthrene	0.0034 U	mg/Kg	0.013	0.0034	1	02/09/2022 09:30	02/09/2022 21:20	T
Pyrene	0.0037 U	mg/Kg	0.013	0.0037	1	02/09/2022 09:30	02/09/2022 21:20	T
SEMIVOLATILES (SW-846 3550B/SW-846 8270C)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528008 **Date Collected:** 02/03/2022 12:00 **Matrix:** Soil
Sample ID: SB-20@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,2,4-Trichlorobenzene	0.046 U	mg/Kg	0.31	0.046	1	02/11/2022 16:00	02/13/2022 16:40	T
1,2-Dichlorobenzene	0.063 U	mg/Kg	0.31	0.063	1	02/11/2022 16:00	02/13/2022 16:40	T
1,2-Diphenylhydrazine	0.12 U	mg/Kg	0.31	0.12	1	02/11/2022 16:00	02/13/2022 16:40	T
1,3-Dichlorobenzene	0.033 U	mg/Kg	0.31	0.033	1	02/11/2022 16:00	02/13/2022 16:40	T
1,4-Dichlorobenzene	0.070 U	mg/Kg	0.31	0.070	1	02/11/2022 16:00	02/13/2022 16:40	T
1-Methylnaphthalene	0.0060 U	mg/Kg	0.31	0.0060	1	02/11/2022 16:00	02/13/2022 16:40	T
2,4,6-Trichlorophenol	0.058 U	mg/Kg	0.31	0.058	1	02/11/2022 16:00	02/13/2022 16:40	T
2,4-Dichlorophenol	0.066 U	mg/Kg	0.31	0.066	1	02/11/2022 16:00	02/13/2022 16:40	T
2,4-Dimethylphenol	0.066 U	mg/Kg	0.31	0.066	1	02/11/2022 16:00	02/13/2022 16:40	T
2,4-Dinitrophenol	0.19 U	mg/Kg	0.31	0.19	1	02/11/2022 16:00	02/13/2022 16:40	T
2,4-Dinitrotoluene (2,4-DNT)	0.099 U	mg/Kg	0.31	0.099	1	02/11/2022 16:00	02/13/2022 16:40	T
2,6-Dinitrotoluene (2,6-DNT)	0.079 U	mg/Kg	0.31	0.079	1	02/11/2022 16:00	02/13/2022 16:40	T
2-Chloronaphthalene	0.060 U	mg/Kg	0.31	0.060	1	02/11/2022 16:00	02/13/2022 16:40	T
2-Chlorophenol	0.056 U	mg/Kg	0.31	0.056	1	02/11/2022 16:00	02/13/2022 16:40	T
2-Methyl-4,6-dinitrophenol	0.070 U	mg/Kg	0.31	0.070	1	02/11/2022 16:00	02/13/2022 16:40	T
2-Methylnaphthalene	0.0074 U	mg/Kg	0.31	0.0074	1	02/11/2022 16:00	02/13/2022 16:40	T
2-Nitrophenol	0.069 U	mg/Kg	0.31	0.069	1	02/11/2022 16:00	02/13/2022 16:40	T
3,3`-Dichlorobenzidine	0.043 U	mg/Kg	0.31	0.043	1	02/11/2022 16:00	02/13/2022 16:40	T
4-Bromophenyl Phenyl Ether	0.080 U	mg/Kg	0.31	0.080	1	02/11/2022 16:00	02/13/2022 16:40	T
4-Chloro-3-methylphenol	0.066 U	mg/Kg	0.31	0.066	1	02/11/2022 16:00	02/13/2022 16:40	T
4-Chlorophenyl Phenyl Ether	0.069 U	mg/Kg	0.31	0.069	1	02/11/2022 16:00	02/13/2022 16:40	T
4-Nitrophenol	0.088 U	mg/Kg	0.31	0.088	1	02/11/2022 16:00	02/13/2022 16:40	T
Acenaphthene	0.0071 U	mg/Kg	0.31	0.0071	1	02/11/2022 16:00	02/13/2022 16:40	T
Acenaphthylene	0.0080 U	mg/Kg	0.31	0.0080	1	02/11/2022 16:00	02/13/2022 16:40	T
Anthracene	0.0079 U	mg/Kg	0.31	0.0079	1	02/11/2022 16:00	02/13/2022 16:40	T
Benzidine	0.062 U	mg/Kg	0.31	0.062	1	02/11/2022 16:00	02/13/2022 16:40	T
Benzo[a]anthracene	0.0071 U	mg/Kg	0.31	0.0071	1	02/11/2022 16:00	02/13/2022 16:40	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528008 **Date Collected:** 02/03/2022 12:00 **Matrix:** Soil
Sample ID: SB-20@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[a]pyrene	0.0067 U	mg/Kg	0.31	0.0067	1	02/11/2022 16:00	02/13/2022 16:40	T
Benzo[b]fluoranthene	0.0099 U	mg/Kg	0.31	0.0099	1	02/11/2022 16:00	02/13/2022 16:40	T
Benzo[g,h,i]perylene	0.0058 U	mg/Kg	0.31	0.0058	1	02/11/2022 16:00	02/13/2022 16:40	T
Benzo[k]fluoranthene	0.010 U	mg/Kg	0.31	0.010	1	02/11/2022 16:00	02/13/2022 16:40	T
Butyl benzyl phthalate	0.043 U	mg/Kg	0.31	0.043	1	02/11/2022 16:00	02/13/2022 16:40	T
Chrysene	0.0079 U	mg/Kg	0.31	0.0079	1	02/11/2022 16:00	02/13/2022 16:40	T
Di-n-Butyl Phthalate	0.065 U	mg/Kg	0.31	0.065	1	02/11/2022 16:00	02/13/2022 16:40	T
Di-n-octyl Phthalate	0.041 U	mg/Kg	0.31	0.041	1	02/11/2022 16:00	02/13/2022 16:40	T
Dibenzo[a,h]anthracene	0.0060 U	mg/Kg	0.31	0.0060	1	02/11/2022 16:00	02/13/2022 16:40	T
Diethyl phthalate	0.060 U	mg/Kg	0.31	0.060	1	02/11/2022 16:00	02/13/2022 16:40	T
Dimethyl phthalate	0.059 U	mg/Kg	0.31	0.059	1	02/11/2022 16:00	02/13/2022 16:40	T
Fluoranthene	0.075 U	mg/Kg	0.31	0.075	1	02/11/2022 16:00	02/13/2022 16:40	T
Fluorene	0.0069 U	mg/Kg	0.31	0.0069	1	02/11/2022 16:00	02/13/2022 16:40	T
Hexachlorobenzene	0.092 U	mg/Kg	0.31	0.092	1	02/11/2022 16:00	02/13/2022 16:40	T
Hexachlorobutadiene	0.051 U	mg/Kg	0.31	0.051	1	02/11/2022 16:00	02/13/2022 16:40	T
Hexachlorocyclopentadiene	0.052 U	mg/Kg	0.31	0.052	1	02/11/2022 16:00	02/13/2022 16:40	T
Hexachloroethane	0.043 U	mg/Kg	0.31	0.043	1	02/11/2022 16:00	02/13/2022 16:40	T
Indeno(1,2,3-cd)pyrene	0.0061 U	mg/Kg	0.31	0.0061	1	02/11/2022 16:00	02/13/2022 16:40	T
Isophorone	0.035 U	mg/Kg	0.31	0.035	1	02/11/2022 16:00	02/13/2022 16:40	T
N-Nitrosodi-n-propylamine	0.056 U	mg/Kg	0.31	0.056	1	02/11/2022 16:00	02/13/2022 16:40	T
N-Nitrosodimethylamine	0.014 U	mg/Kg	0.31	0.014	1	02/11/2022 16:00	02/13/2022 16:40	T
N-Nitrosodiphenylamine	0.041 U	mg/Kg	0.31	0.041	1	02/11/2022 16:00	02/13/2022 16:40	T
Naphthalene	0.0075 U	mg/Kg	0.31	0.0075	1	02/11/2022 16:00	02/13/2022 16:40	T
Nitrobenzene	0.075 U	mg/Kg	0.31	0.075	1	02/11/2022 16:00	02/13/2022 16:40	T
Pentachlorophenol	0.10 U	mg/Kg	0.31	0.10	1	02/11/2022 16:00	02/13/2022 16:40	T
Phenanthrene	0.0089 U	mg/Kg	0.31	0.0089	1	02/11/2022 16:00	02/13/2022 16:40	T
Phenol	0.061 U	mg/Kg	0.31	0.061	1	02/11/2022 16:00	02/13/2022 16:40	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528008 **Date Collected:** 02/03/2022 12:00 **Matrix:** Soil
Sample ID: SB-20@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	0.0067 U	mg/Kg	0.31	0.0067	1	02/11/2022 16:00	02/13/2022 16:40	T
bis(2-Chloroethoxy)methane	0.046 U	mg/Kg	0.31	0.046	1	02/11/2022 16:00	02/13/2022 16:40	T
bis(2-Chloroethyl)Ether	0.064 U	mg/Kg	0.31	0.064	1	02/11/2022 16:00	02/13/2022 16:40	T
bis(2-Chloroisopropyl) Ether	0.057 U	mg/Kg	0.31	0.057	1	02/11/2022 16:00	02/13/2022 16:40	T
bis(2-Ethylhexyl) phthalate	0.049 U	mg/Kg	0.31	0.049	1	02/11/2022 16:00	02/13/2022 16:40	T
(SM 2540G)								
Percent Moisture	**36**	%	0.001	0.0010	1	02/08/2022 09:00	02/08/2022 09:00	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1-Trichloroethane	0.00093 U	mg/Kg	0.0040	0.00093	1	02/07/2022 16:36	02/08/2022 02:18	T
1,1,2,2-Tetrachloroethane	0.00068 U	mg/Kg	0.0040	0.00068	1	02/07/2022 16:36	02/08/2022 02:18	T
1,1,2-Trichloroethane	0.00065 U	mg/Kg	0.0040	0.00065	1	02/07/2022 16:36	02/08/2022 02:18	T
1,1-Dichloroethane	0.00093 U	mg/Kg	0.0040	0.00093	1	02/07/2022 16:36	02/08/2022 02:18	T
1,1-Dichloroethylene	0.00098 U	mg/Kg	0.0040	0.00098	1	02/07/2022 16:36	02/08/2022 02:18	T
1,2-Dichlorobenzene	0.00063 U	mg/Kg	0.0040	0.00063	1	02/07/2022 16:36	02/08/2022 02:18	T
1,2-Dichloroethane	0.0010 U	mg/Kg	0.0040	0.0010	1	02/07/2022 16:36	02/08/2022 02:18	T
1,2-Dichloropropane	0.00071 U	mg/Kg	0.0040	0.00071	1	02/07/2022 16:36	02/08/2022 02:18	T
1,3-Dichlorobenzene	0.00074 U	mg/Kg	0.0040	0.00074	1	02/07/2022 16:36	02/08/2022 02:18	T
1,4-Dichlorobenzene	0.00088 U	mg/Kg	0.0040	0.00088	1	02/07/2022 16:36	02/08/2022 02:18	T
2-Chloroethyl Vinyl Ether	0.0035 U	mg/Kg	0.0040	0.0035	1	02/07/2022 16:36	02/08/2022 02:18	T
Acrolein (Propenal)	0.0083 U	mg/Kg	0.020	0.0083	1	02/07/2022 16:36	02/08/2022 02:18	T
Acrylonitrile	0.00069 U	mg/Kg	0.0040	0.00069	1	02/07/2022 16:36	02/08/2022 02:18	T
Benzene	0.00066 U	mg/Kg	0.0040	0.00066	1	02/07/2022 16:36	02/08/2022 02:18	T
Bromodichloromethane	0.00070 U	mg/Kg	0.0040	0.00070	1	02/07/2022 16:36	02/08/2022 02:18	T
Bromoform	0.0027 U	mg/Kg	0.0040	0.0027	1	02/07/2022 16:36	02/08/2022 02:18	T
Bromomethane	0.0017 U	mg/Kg	0.0040	0.0017	1	02/07/2022 16:36	02/08/2022 02:18	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528008 **Date Collected:** 02/03/2022 12:00 **Matrix:** Soil
Sample ID: SB-20@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Carbon Tetrachloride	0.0011 U	mg/Kg	0.0040	0.0011	1	02/07/2022 16:36	02/08/2022 02:18	T
Chlorobenzene	0.00059 U	mg/Kg	0.0040	0.00059	1	02/07/2022 16:36	02/08/2022 02:18	T
Chloroethane	0.0020 U	mg/Kg	0.0040	0.0020	1	02/07/2022 16:36	02/08/2022 02:18	T
Chloroform	0.00081 U	mg/Kg	0.0040	0.00081	1	02/07/2022 16:36	02/08/2022 02:18	T
Chloromethane	0.00091 U	mg/Kg	0.0040	0.00091	1	02/07/2022 16:36	02/08/2022 02:18	T
Dibromochloromethane	0.0023 U	mg/Kg	0.0040	0.0023	1	02/07/2022 16:36	02/08/2022 02:18	T
Dichlorodifluoromethane	0.0014 U	mg/Kg	0.0040	0.0014	1	02/07/2022 16:36	02/08/2022 02:18	T
Ethylbenzene	0.00047 U	mg/Kg	0.0040	0.00047	1	02/07/2022 16:36	02/08/2022 02:18	T
Methyl tert-butyl Ether (MTBE)	0.0013 U	mg/Kg	0.0040	0.0013	1	02/07/2022 16:36	02/08/2022 02:18	T
Methylene Chloride	0.0054 U	mg/Kg	0.0066	0.0054	1	02/07/2022 16:36	02/08/2022 02:18	T
Tetrachloroethylene (PCE)	0.00076 U	mg/Kg	0.0040	0.00076	1	02/07/2022 16:36	02/08/2022 02:18	T
Toluene	0.00049 U	mg/Kg	0.0040	0.00049	1	02/07/2022 16:36	02/08/2022 02:18	T
Trichloroethene	0.00098 U	mg/Kg	0.0040	0.00098	1	02/07/2022 16:36	02/08/2022 02:18	T
Trichlorofluoromethane	0.00088 U	mg/Kg	0.0040	0.00088	1	02/07/2022 16:36	02/08/2022 02:18	T
Vinyl Chloride	0.00077 U	mg/Kg	0.0040	0.00077	1	02/07/2022 16:36	02/08/2022 02:18	T
Xylene (Total)	0.0017 U	mg/Kg	0.0080	0.0017	1	02/07/2022 16:36	02/08/2022 02:18	T
cis-1,2-Dichloroethylene	0.00079 U	mg/Kg	0.0040	0.00079	1	02/07/2022 16:36	02/08/2022 02:18	T
cis-1,3-Dichloropropene	0.0028 U	mg/Kg	0.0040	0.0028	1	02/07/2022 16:36	02/08/2022 02:18	T
trans-1,2-Dichloroethylene	0.00081 U	mg/Kg	0.0040	0.00081	1	02/07/2022 16:36	02/08/2022 02:18	T
trans-1,3-Dichloropropylene	0.0024 U	mg/Kg	0.0040	0.0024	1	02/07/2022 16:36	02/08/2022 02:18	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Analysis Results Comments

Decachlorobiphenyl

J4|Estimated Result

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	43	43	100	69 - 134	T
Toluene-d8 (S)	ug/Kg	43	41	96	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	43	49	114	79 - 126	T
2-Fluorobiphenyl (S)	mg/Kg	0.42	0.32	77	37 - 127	T
Nitrobenzene-d5 (S)	mg/Kg	0.42	0.37	90	33 - 134	T
p-Terphenyl-d14 (S)	mg/Kg	0.42	0.43	104	42 - 141	T
o-Terphenyl (S)	mg/Kg	2.10	1.50	73	66 - 136	T
Nonatricontane-C39 (S)	mg/Kg	6.20	4.70	75	36 - 132	T
Tetrachloro-m-xylene (S)	ug/Kg	150	120	82	42 - 129	M
Decachlorobiphenyl (S)	ug/Kg	76	42	**56**	63 - 130	M
2-Fluorobiphenyl (S)	mg/Kg	2	1.40	68	44 - 115	T
2-Fluorophenol (S)	mg/Kg	2	1.40	70	35 - 115	T
Nitrobenzene-d5 (S)	mg/Kg	2	1.40	72	37 - 122	T
p-Terphenyl-d14 (S)	mg/Kg	2	1.70	83	54 - 127	T
2,4,6-Tribromophenol (S)	mg/Kg	2	1.70	87	39 - 132	T
Phenol-d6 (S)	mg/Kg	2	1.40	72	33 - 122	T
Decachlorobiphenyl (S)	ug/Kg	76	42	**56**	61 - 147	M
Tetrachloro-m-xylene (S)	ug/Kg	150	120	82	44 - 130	M

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528009 **Date Collected:** 02/03/2022 12:20 **Matrix:** Soil
Sample ID: SB-19@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	0.13 U	mg/Kg	0.26	0.13	1	02/08/2022 15:00	02/09/2022 18:41	T
Cadmium	0.026 U	mg/Kg	0.052	0.026	1	02/08/2022 15:00	02/09/2022 18:41	T
Chromium	**1.9**	mg/Kg	0.26	0.21	1	02/08/2022 15:00	02/09/2022 18:41	T
Lead	**5.0**	mg/Kg	0.26	0.13	1	02/08/2022 15:00	02/09/2022 18:41	T
SEMIVOLATILES (FL-PRO)								
TPH	**7.3 I**	mg/Kg	15	5.3	1	02/09/2022 09:30	02/09/2022 20:45	T
SEMIVOLATILES (SW-846 3550B/EPA 8081)								
4,4`-DDD	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 09:00	02/08/2022 02:26	M
4,4`-DDE	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 09:00	02/08/2022 02:26	M
4,4`-DDT	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 09:00	02/08/2022 02:26	M
Aldrin	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 09:00	02/08/2022 02:26	M
Chlordane (technical)	0.0096 U	mg/Kg	0.032	0.0096	1	02/07/2022 09:00	02/08/2022 02:26	M
Dieldrin	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 09:00	02/08/2022 02:26	M
Endosulfan I	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 09:00	02/08/2022 02:26	M
Endosulfan II	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 09:00	02/08/2022 02:26	M
Endosulfan Sulfate	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 09:00	02/08/2022 02:26	M
Endrin	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 09:00	02/08/2022 02:26	M
Endrin Aldehyde	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 09:00	02/08/2022 02:26	M
Heptachlor	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 09:00	02/08/2022 02:26	M
Heptachlor Epoxide	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 09:00	02/08/2022 02:26	M
Methoxychlor	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 09:00	02/08/2022 02:26	M
Toxaphene	0.010 U	mg/Kg	0.032	0.010	1	02/07/2022 09:00	02/08/2022 02:26	M
alpha-BHC	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 09:00	02/08/2022 02:26	M
beta-BHC	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 09:00	02/08/2022 02:26	M
delta-BHC	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 09:00	02/08/2022 02:26	M
gamma-BHC (Lindane)	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 09:00	02/08/2022 02:26	M
SEMIVOLATILES (SW-846 3550B/SW-846 8082A)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528009 **Date Collected:** 02/03/2022 12:20 **Matrix:** Soil
Sample ID: SB-19@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Aroclor 1016 (PCB-1016)	0.019 U	mg/Kg	0.032	0.019	1	02/07/2022 09:00	02/08/2022 02:26	M
Aroclor 1221 (PCB-1221)	0.023 U	mg/Kg	0.032	0.023	1	02/07/2022 09:00	02/08/2022 02:26	M
Aroclor 1232 (PCB-1232)	0.031 U	mg/Kg	0.032	0.031	1	02/07/2022 09:00	02/08/2022 02:26	M
Aroclor 1242 (PCB-1242)	0.024 U	mg/Kg	0.032	0.024	1	02/07/2022 09:00	02/08/2022 02:26	M
Aroclor 1248 (PCB-1248)	0.012 U	mg/Kg	0.032	0.012	1	02/07/2022 09:00	02/08/2022 02:26	M
Aroclor 1254 (PCB-1254)	0.0065 U	mg/Kg	0.032	0.0065	1	02/07/2022 09:00	02/08/2022 02:26	M
Aroclor 1260 (PCB-1260)	0.039 U	mg/Kg	0.065	0.039	1	02/07/2022 09:00	02/08/2022 02:26	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	**0.0044 I**	mg/Kg	0.0088	0.0017	1	02/09/2022 09:30	02/10/2022 10:09	T
2-Methylnaphthalene	**0.0053 I**	mg/Kg	0.0088	0.0022	1	02/09/2022 09:30	02/10/2022 10:09	T
Acenaphthene	0.0016 U	mg/Kg	0.0088	0.0016	1	02/09/2022 09:30	02/10/2022 10:09	T
Acenaphthylene	**0.0071 I**	mg/Kg	0.0088	0.0019	1	02/09/2022 09:30	02/10/2022 10:09	T
Anthracene	**0.010**	mg/Kg	0.0088	0.0027	1	02/09/2022 09:30	02/10/2022 10:09	T
Benzo[a]anthracene	**0.018**	mg/Kg	0.0088	0.0021	1	02/09/2022 09:30	02/10/2022 10:09	T
Benzo[a]pyrene	**0.027**	mg/Kg	0.0088	0.0018	1	02/09/2022 09:30	02/10/2022 10:09	T
Benzo[b]fluoranthene	**0.050**	mg/Kg	0.0088	0.0017	1	02/09/2022 09:30	02/10/2022 10:09	T
Benzo[g,h,i]perylene	**0.031**	mg/Kg	0.0088	0.0020	1	02/09/2022 09:30	02/10/2022 10:09	T
Benzo[k]fluoranthene	**0.019**	mg/Kg	0.0088	0.0025	1	02/09/2022 09:30	02/10/2022 10:09	T
Chrysene	**0.021**	mg/Kg	0.0088	0.0031	1	02/09/2022 09:30	02/10/2022 10:09	T
Dibenzo[a,h]anthracene	**0.0069 I**	mg/Kg	0.0088	0.0018	1	02/09/2022 09:30	02/10/2022 10:09	T
Fluoranthene	**0.026**	mg/Kg	0.0088	0.0030	1	02/09/2022 09:30	02/10/2022 10:09	T
Fluorene	0.0023 U	mg/Kg	0.0088	0.0023	1	02/09/2022 09:30	02/10/2022 10:09	T
Indeno(1,2,3-cd)pyrene	**0.029**	mg/Kg	0.0088	0.0025	1	02/09/2022 09:30	02/10/2022 10:09	T
Naphthalene	**0.0037 I**	mg/Kg	0.0088	0.0018	1	02/09/2022 09:30	02/10/2022 10:09	T
Phenanthrene	**0.0098**	mg/Kg	0.0088	0.0023	1	02/09/2022 09:30	02/10/2022 10:09	T
Pyrene	**0.032**	mg/Kg	0.0088	0.0025	1	02/09/2022 09:30	02/10/2022 10:09	T
SEMIVOLATILES (SW-846 3550B/SW-846 8270C)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528009 **Date Collected:** 02/03/2022 12:20 **Matrix:** Soil
Sample ID: SB-19@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,2,4-Trichlorobenzene	0.032 U	mg/Kg	0.21	0.032	1	02/11/2022 16:00	02/13/2022 19:09	T
1,2-Dichlorobenzene	0.043 U	mg/Kg	0.21	0.043	1	02/11/2022 16:00	02/13/2022 19:09	T
1,2-Diphenylhydrazine	0.082 U	mg/Kg	0.21	0.082	1	02/11/2022 16:00	02/13/2022 19:09	T
1,3-Dichlorobenzene	0.022 U	mg/Kg	0.21	0.022	1	02/11/2022 16:00	02/13/2022 19:09	T
1,4-Dichlorobenzene	0.048 U	mg/Kg	0.21	0.048	1	02/11/2022 16:00	02/13/2022 19:09	T
1-Methylnaphthalene	0.0041 U	mg/Kg	0.21	0.0041	1	02/11/2022 16:00	02/13/2022 19:09	T
2,4,6-Trichlorophenol	0.040 U	mg/Kg	0.21	0.040	1	02/11/2022 16:00	02/13/2022 19:09	T
2,4-Dichlorophenol	0.045 U	mg/Kg	0.21	0.045	1	02/11/2022 16:00	02/13/2022 19:09	T
2,4-Dimethylphenol	0.045 U	mg/Kg	0.21	0.045	1	02/11/2022 16:00	02/13/2022 19:09	T
2,4-Dinitrophenol	0.13 U	mg/Kg	0.21	0.13	1	02/11/2022 16:00	02/13/2022 19:09	T
2,4-Dinitrotoluene (2,4-DNT)	0.067 U	mg/Kg	0.21	0.067	1	02/11/2022 16:00	02/13/2022 19:09	T
2,6-Dinitrotoluene (2,6-DNT)	0.054 U	mg/Kg	0.21	0.054	1	02/11/2022 16:00	02/13/2022 19:09	T
2-Chloronaphthalene	0.041 U	mg/Kg	0.21	0.041	1	02/11/2022 16:00	02/13/2022 19:09	T
2-Chlorophenol	0.038 U	mg/Kg	0.21	0.038	1	02/11/2022 16:00	02/13/2022 19:09	T
2-Methyl-4,6-dinitrophenol	0.048 U	mg/Kg	0.21	0.048	1	02/11/2022 16:00	02/13/2022 19:09	T
2-Methylnaphthalene	0.0051 U	mg/Kg	0.21	0.0051	1	02/11/2022 16:00	02/13/2022 19:09	T
2-Nitrophenol	0.047 U	mg/Kg	0.21	0.047	1	02/11/2022 16:00	02/13/2022 19:09	T
3,3`-Dichlorobenzidine	0.029 U	mg/Kg	0.21	0.029	1	02/11/2022 16:00	02/13/2022 19:09	T
4-Bromophenyl Phenyl Ether	0.055 U	mg/Kg	0.21	0.055	1	02/11/2022 16:00	02/13/2022 19:09	T
4-Chloro-3-methylphenol	0.045 U	mg/Kg	0.21	0.045	1	02/11/2022 16:00	02/13/2022 19:09	T
4-Chlorophenyl Phenyl Ether	0.047 U	mg/Kg	0.21	0.047	1	02/11/2022 16:00	02/13/2022 19:09	T
4-Nitrophenol	0.060 U	mg/Kg	0.21	0.060	1	02/11/2022 16:00	02/13/2022 19:09	T
Acenaphthene	0.0049 U	mg/Kg	0.21	0.0049	1	02/11/2022 16:00	02/13/2022 19:09	T
Acenaphthylene	**0.0058 I**	mg/Kg	0.21	0.0055	1	02/11/2022 16:00	02/13/2022 19:09	T
Anthracene	0.0054 U	mg/Kg	0.21	0.0054	1	02/11/2022 16:00	02/13/2022 19:09	T
Benzidine	0.042 U	mg/Kg	0.21	0.042	1	02/11/2022 16:00	02/13/2022 19:09	T
Benzo[a]anthracene	**0.016 I**	mg/Kg	0.21	0.0049	1	02/11/2022 16:00	02/13/2022 19:09	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528009 **Date Collected:** 02/03/2022 12:20 **Matrix:** Soil
Sample ID: SB-19@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[a]pyrene	**0.029 I**	mg/Kg	0.21	0.0046	1	02/11/2022 16:00	02/13/2022 19:09	T
Benzo[b]fluoranthene	**0.053 I**	mg/Kg	0.21	0.0068	1	02/11/2022 16:00	02/13/2022 19:09	T
Benzo[g,h,i]perylene	**0.030 I**	mg/Kg	0.21	0.0040	1	02/11/2022 16:00	02/13/2022 19:09	T
Benzo[k]fluoranthene	0.0071 U	mg/Kg	0.21	0.0071	1	02/11/2022 16:00	02/13/2022 19:09	T
Butyl benzyl phthalate	0.030 U	mg/Kg	0.21	0.030	1	02/11/2022 16:00	02/13/2022 19:09	T
Chrysene	**0.027 I**	mg/Kg	0.21	0.0054	1	02/11/2022 16:00	02/13/2022 19:09	T
Di-n-Butyl Phthalate	0.044 U	mg/Kg	0.21	0.044	1	02/11/2022 16:00	02/13/2022 19:09	T
Di-n-octyl Phthalate	0.028 U	mg/Kg	0.21	0.028	1	02/11/2022 16:00	02/13/2022 19:09	T
Dibenzo[a,h]anthracene	**0.0072 I**	mg/Kg	0.21	0.0041	1	02/11/2022 16:00	02/13/2022 19:09	T
Diethyl phthalate	0.041 U	mg/Kg	0.21	0.041	1	02/11/2022 16:00	02/13/2022 19:09	T
Dimethyl phthalate	0.040 U	mg/Kg	0.21	0.040	1	02/11/2022 16:00	02/13/2022 19:09	T
Fluoranthene	0.052 U	mg/Kg	0.21	0.052	1	02/11/2022 16:00	02/13/2022 19:09	T
Fluorene	0.0047 U	mg/Kg	0.21	0.0047	1	02/11/2022 16:00	02/13/2022 19:09	T
Hexachlorobenzene	0.063 U	mg/Kg	0.21	0.063	1	02/11/2022 16:00	02/13/2022 19:09	T
Hexachlorobutadiene	0.035 U	mg/Kg	0.21	0.035	1	02/11/2022 16:00	02/13/2022 19:09	T
Hexachlorocyclopentadiene	0.036 U	mg/Kg	0.21	0.036	1	02/11/2022 16:00	02/13/2022 19:09	T
Hexachloroethane	0.030 U	mg/Kg	0.21	0.030	1	02/11/2022 16:00	02/13/2022 19:09	T
Indeno(1,2,3-cd)pyrene	**0.028 I**	mg/Kg	0.21	0.0042	1	02/11/2022 16:00	02/13/2022 19:09	T
Isophorone	0.024 U	mg/Kg	0.21	0.024	1	02/11/2022 16:00	02/13/2022 19:09	T
N-Nitrosodi-n-propylamine	0.038 U	mg/Kg	0.21	0.038	1	02/11/2022 16:00	02/13/2022 19:09	T
N-Nitrosodimethylamine	0.0096 U	mg/Kg	0.21	0.0096	1	02/11/2022 16:00	02/13/2022 19:09	T
N-Nitrosodiphenylamine	0.028 U	mg/Kg	0.21	0.028	1	02/11/2022 16:00	02/13/2022 19:09	T
Naphthalene	0.0051 U	mg/Kg	0.21	0.0051	1	02/11/2022 16:00	02/13/2022 19:09	T
Nitrobenzene	0.051 U	mg/Kg	0.21	0.051	1	02/11/2022 16:00	02/13/2022 19:09	T
Pentachlorophenol	0.071 U	mg/Kg	0.21	0.071	1	02/11/2022 16:00	02/13/2022 19:09	T
Phenanthrene	**0.0088 I**	mg/Kg	0.21	0.0061	1	02/11/2022 16:00	02/13/2022 19:09	T
Phenol	0.042 U	mg/Kg	0.21	0.042	1	02/11/2022 16:00	02/13/2022 19:09	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528009 **Date Collected:** 02/03/2022 12:20 **Matrix:** Soil
Sample ID: SB-19@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	**0.030 I**	mg/Kg	0.21	0.0046	1	02/11/2022 16:00	02/13/2022 19:09	T
bis(2-Chloroethoxy)methane	0.031 U	mg/Kg	0.21	0.031	1	02/11/2022 16:00	02/13/2022 19:09	T
bis(2-Chloroethyl)Ether	0.044 U	mg/Kg	0.21	0.044	1	02/11/2022 16:00	02/13/2022 19:09	T
bis(2-Chloroisopropyl) Ether	0.039 U	mg/Kg	0.21	0.039	1	02/11/2022 16:00	02/13/2022 19:09	T
bis(2-Ethylhexyl) phthalate	0.033 U	mg/Kg	0.21	0.033	1	02/11/2022 16:00	02/13/2022 19:09	T
(SM 2540G)								
Percent Moisture	**7**	%	0.001	0.0010	1	02/08/2022 09:00	02/08/2022 09:00	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1-Trichloroethane	0.00070 U	mg/Kg	0.0030	0.00070	1	02/07/2022 16:36	02/08/2022 02:46	T
1,1,2,2-Tetrachloroethane	0.00051 U	mg/Kg	0.0030	0.00051	1	02/07/2022 16:36	02/08/2022 02:46	T
1,1,2-Trichloroethane	0.00049 U	mg/Kg	0.0030	0.00049	1	02/07/2022 16:36	02/08/2022 02:46	T
1,1-Dichloroethane	0.00070 U	mg/Kg	0.0030	0.00070	1	02/07/2022 16:36	02/08/2022 02:46	T
1,1-Dichloroethylene	0.00074 U	mg/Kg	0.0030	0.00074	1	02/07/2022 16:36	02/08/2022 02:46	T
1,2-Dichlorobenzene	0.00048 U	mg/Kg	0.0030	0.00048	1	02/07/2022 16:36	02/08/2022 02:46	T
1,2-Dichloroethane	0.00079 U	mg/Kg	0.0030	0.00079	1	02/07/2022 16:36	02/08/2022 02:46	T
1,2-Dichloropropane	0.00054 U	mg/Kg	0.0030	0.00054	1	02/07/2022 16:36	02/08/2022 02:46	T
1,3-Dichlorobenzene	0.00055 U	mg/Kg	0.0030	0.00055	1	02/07/2022 16:36	02/08/2022 02:46	T
1,4-Dichlorobenzene	0.00066 U	mg/Kg	0.0030	0.00066	1	02/07/2022 16:36	02/08/2022 02:46	T
2-Chloroethyl Vinyl Ether	0.0026 U	mg/Kg	0.0030	0.0026	1	02/07/2022 16:36	02/08/2022 02:46	T
Acrolein (Propenal)	0.0062 U	mg/Kg	0.015	0.0062	1	02/07/2022 16:36	02/08/2022 02:46	T
Acrylonitrile	0.00052 U	mg/Kg	0.0030	0.00052	1	02/07/2022 16:36	02/08/2022 02:46	T
Benzene	0.00050 U	mg/Kg	0.0030	0.00050	1	02/07/2022 16:36	02/08/2022 02:46	T
Bromodichloromethane	0.00053 U	mg/Kg	0.0030	0.00053	1	02/07/2022 16:36	02/08/2022 02:46	T
Bromoform	0.0020 U	mg/Kg	0.0030	0.0020	1	02/07/2022 16:36	02/08/2022 02:46	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528009 **Date Collected:** 02/03/2022 12:20 **Matrix:** Soil
Sample ID: SB-19@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Bromomethane	0.0012 U	mg/Kg	0.0030	0.0012	1	02/07/2022 16:36	02/08/2022 02:46	T
Carbon Tetrachloride	0.00085 U	mg/Kg	0.0030	0.00085	1	02/07/2022 16:36	02/08/2022 02:46	T
Chlorobenzene	0.00045 U	mg/Kg	0.0030	0.00045	1	02/07/2022 16:36	02/08/2022 02:46	T
Chloroethane	0.0015 U	mg/Kg	0.0030	0.0015	1	02/07/2022 16:36	02/08/2022 02:46	T
Chloroform	0.00061 U	mg/Kg	0.0030	0.00061	1	02/07/2022 16:36	02/08/2022 02:46	T
Chloromethane	0.00069 U	mg/Kg	0.0030	0.00069	1	02/07/2022 16:36	02/08/2022 02:46	T
Dibromochloromethane	0.0017 U	mg/Kg	0.0030	0.0017	1	02/07/2022 16:36	02/08/2022 02:46	T
Dichlorodifluoromethane	0.0010 U	mg/Kg	0.0030	0.0010	1	02/07/2022 16:36	02/08/2022 02:46	T
Ethylbenzene	0.00036 U	mg/Kg	0.0030	0.00036	1	02/07/2022 16:36	02/08/2022 02:46	T
Methyl tert-butyl Ether (MTBE)	0.00099 U	mg/Kg	0.0030	0.00099	1	02/07/2022 16:36	02/08/2022 02:46	T
Methylene Chloride	0.0040 U	mg/Kg	0.0050	0.0040	1	02/07/2022 16:36	02/08/2022 02:46	T
Tetrachloroethylene (PCE)	0.00057 U	mg/Kg	0.0030	0.00057	1	02/07/2022 16:36	02/08/2022 02:46	T
Toluene	0.00037 U	mg/Kg	0.0030	0.00037	1	02/07/2022 16:36	02/08/2022 02:46	T
Trichloroethene	0.00074 U	mg/Kg	0.0030	0.00074	1	02/07/2022 16:36	02/08/2022 02:46	T
Trichlorofluoromethane	0.00066 U	mg/Kg	0.0030	0.00066	1	02/07/2022 16:36	02/08/2022 02:46	T
Vinyl Chloride	0.00058 U	mg/Kg	0.0030	0.00058	1	02/07/2022 16:36	02/08/2022 02:46	T
Xylene (Total)	0.0013 U	mg/Kg	0.0060	0.0013	1	02/07/2022 16:36	02/08/2022 02:46	T
cis-1,2-Dichloroethylene	0.00059 U	mg/Kg	0.0030	0.00059	1	02/07/2022 16:36	02/08/2022 02:46	T
cis-1,3-Dichloropropene	0.0021 U	mg/Kg	0.0030	0.0021	1	02/07/2022 16:36	02/08/2022 02:46	T
trans-1,2-Dichloroethylene	0.00061 U	mg/Kg	0.0030	0.00061	1	02/07/2022 16:36	02/08/2022 02:46	T
trans-1,3-Dichloropropylene	0.0018 U	mg/Kg	0.0030	0.0018	1	02/07/2022 16:36	02/08/2022 02:46	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Analysis Results Comments

Decachlorobiphenyl

J4|Estimated Result

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/Kg	47	53	113	79 - 126	T
Toluene-d8 (S)	ug/Kg	47	44	95	72 - 122	T
1,2-Dichloroethane-d4 (S)	ug/Kg	47	47	101	69 - 134	T
2-Fluorobiphenyl (S)	mg/Kg	0.41	0.34	83	37 - 127	T
Nitrobenzene-d5 (S)	mg/Kg	0.41	0.45	109	33 - 134	T
p-Terphenyl-d14 (S)	mg/Kg	0.41	0.42	103	42 - 141	T
Nonatricontane-C39 (S)	mg/Kg	6.10	5.50	90	36 - 132	T
o-Terphenyl (S)	mg/Kg	2	1.60	77	66 - 136	T
Decachlorobiphenyl (S)	ug/Kg	76	41	**55**	63 - 130	M
Tetrachloro-m-xylene (S)	ug/Kg	150	150	99	42 - 129	M
Phenol-d6 (S)	mg/Kg	2	1.40	71	33 - 122	T
2-Fluorobiphenyl (S)	mg/Kg	2	1.40	69	44 - 115	T
2-Fluorophenol (S)	mg/Kg	2	1.30	68	35 - 115	T
Nitrobenzene-d5 (S)	mg/Kg	2	1.50	75	37 - 122	T
p-Terphenyl-d14 (S)	mg/Kg	2	1.70	86	54 - 127	T
2,4,6-Tribromophenol (S)	mg/Kg	2	1.90	95	39 - 132	T
Tetrachloro-m-xylene (S)	ug/Kg	150	150	99	44 - 130	M
Decachlorobiphenyl (S)	ug/Kg	76	41	**55**	61 - 147	M

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528010 **Date Collected:** 02/03/2022 12:40 **Matrix:** Soil
Sample ID: SB-18@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**0.97**	mg/Kg	0.26	0.13	1	02/08/2022 15:00	02/09/2022 18:50	T
Cadmium	0.026 U	mg/Kg	0.053	0.026	1	02/08/2022 15:00	02/09/2022 18:50	T
Chromium	**3.5**	mg/Kg	0.26	0.21	1	02/08/2022 15:00	02/09/2022 18:50	T
Lead	**41**	mg/Kg	0.26	0.13	1	02/08/2022 15:00	02/09/2022 18:50	T
SEMIVOLATILES (FL-PRO)								
TPH	**9.8 I**	mg/Kg	14	4.9	1	02/09/2022 09:30	02/09/2022 20:17	T
SEMIVOLATILES (SW-846 3550B/EPA 8081)								
4,4`-DDD	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 09:00	02/08/2022 02:47	M
4,4`-DDE	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 09:00	02/08/2022 02:47	M
4,4`-DDT	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 09:00	02/08/2022 02:47	M
Aldrin	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 09:00	02/08/2022 02:47	M
Chlordane (technical)	0.0095 U	mg/Kg	0.032	0.0095	1	02/07/2022 09:00	02/08/2022 02:47	M
Dieldrin	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 09:00	02/08/2022 02:47	M
Endosulfan I	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 09:00	02/08/2022 02:47	M
Endosulfan II	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 09:00	02/08/2022 02:47	M
Endosulfan Sulfate	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 09:00	02/08/2022 02:47	M
Endrin	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 09:00	02/08/2022 02:47	M
Endrin Aldehyde	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 09:00	02/08/2022 02:47	M
Heptachlor	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 09:00	02/08/2022 02:47	M
Heptachlor Epoxide	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 09:00	02/08/2022 02:47	M
Methoxychlor	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 09:00	02/08/2022 02:47	M
Toxaphene	0.010 U	mg/Kg	0.032	0.010	1	02/07/2022 09:00	02/08/2022 02:47	M
alpha-BHC	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 09:00	02/08/2022 02:47	M
beta-BHC	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 09:00	02/08/2022 02:47	M
delta-BHC	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 09:00	02/08/2022 02:47	M
gamma-BHC (Lindane)	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 09:00	02/08/2022 02:47	M
SEMIVOLATILES (SW-846 3550B/SW-846 8082A)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528010 **Date Collected:** 02/03/2022 12:40 **Matrix:** Soil
Sample ID: SB-18@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Aroclor 1016 (PCB-1016)	0.019 U	mg/Kg	0.032	0.019	1	02/07/2022 09:00	02/08/2022 02:47	M
Aroclor 1221 (PCB-1221)	0.022 U	mg/Kg	0.032	0.022	1	02/07/2022 09:00	02/08/2022 02:47	M
Aroclor 1232 (PCB-1232)	0.030 U	mg/Kg	0.032	0.030	1	02/07/2022 09:00	02/08/2022 02:47	M
Aroclor 1242 (PCB-1242)	0.024 U	mg/Kg	0.032	0.024	1	02/07/2022 09:00	02/08/2022 02:47	M
Aroclor 1248 (PCB-1248)	0.011 U	mg/Kg	0.032	0.011	1	02/07/2022 09:00	02/08/2022 02:47	M
Aroclor 1254 (PCB-1254)	0.0064 U	mg/Kg	0.032	0.0064	1	02/07/2022 09:00	02/08/2022 02:47	M
Aroclor 1260 (PCB-1260)	0.038 U	mg/Kg	0.064	0.038	1	02/07/2022 09:00	02/08/2022 02:47	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	**0.031**	mg/Kg	0.0081	0.0015	1	02/09/2022 09:30	02/10/2022 10:38	T
2-Methylnaphthalene	**0.037**	mg/Kg	0.0081	0.0020	1	02/09/2022 09:30	02/10/2022 10:38	T
Acenaphthene	0.0015 U	mg/Kg	0.0081	0.0015	1	02/09/2022 09:30	02/10/2022 10:38	T
Acenaphthylene	**0.0039 I**	mg/Kg	0.0081	0.0017	1	02/09/2022 09:30	02/10/2022 10:38	T
Anthracene	**0.0060 I**	mg/Kg	0.0081	0.0025	1	02/09/2022 09:30	02/10/2022 10:38	T
Benzo[a]anthracene	**0.015**	mg/Kg	0.0081	0.0020	1	02/09/2022 09:30	02/10/2022 10:38	T
Benzo[a]pyrene	**0.016**	mg/Kg	0.0081	0.0016	1	02/09/2022 09:30	02/10/2022 10:38	T
Benzo[b]fluoranthene	**0.025**	mg/Kg	0.0081	0.0015	1	02/09/2022 09:30	02/10/2022 10:38	T
Benzo[g,h,i]perylene	**0.017**	mg/Kg	0.0081	0.0019	1	02/09/2022 09:30	02/10/2022 10:38	T
Benzo[k]fluoranthene	**0.0092**	mg/Kg	0.0081	0.0023	1	02/09/2022 09:30	02/10/2022 10:38	T
Chrysene	**0.021**	mg/Kg	0.0081	0.0029	1	02/09/2022 09:30	02/10/2022 10:38	T
Dibenzo[a,h]anthracene	**0.0049 I**	mg/Kg	0.0081	0.0016	1	02/09/2022 09:30	02/10/2022 10:38	T
Fluoranthene	**0.018**	mg/Kg	0.0081	0.0027	1	02/09/2022 09:30	02/10/2022 10:38	T
Fluorene	0.0021 U	mg/Kg	0.0081	0.0021	1	02/09/2022 09:30	02/10/2022 10:38	T
Indeno(1,2,3-cd)pyrene	**0.017**	mg/Kg	0.0081	0.0023	1	02/09/2022 09:30	02/10/2022 10:38	T
Naphthalene	**0.023**	mg/Kg	0.0081	0.0017	1	02/09/2022 09:30	02/10/2022 10:38	T
Phenanthrene	**0.030**	mg/Kg	0.0081	0.0021	1	02/09/2022 09:30	02/10/2022 10:38	T
Pyrene	**0.023**	mg/Kg	0.0081	0.0023	1	02/09/2022 09:30	02/10/2022 10:38	T
SEMIVOLATILES (SW-846 3550B/SW-846 8270C)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528010 **Date Collected:** 02/03/2022 12:40 **Matrix:** Soil
Sample ID: SB-18@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,2,4-Trichlorobenzene	0.031 U	mg/Kg	0.21	0.031	1	02/11/2022 16:00	02/13/2022 19:46	T
1,2-Dichlorobenzene	0.043 U	mg/Kg	0.21	0.043	1	02/11/2022 16:00	02/13/2022 19:46	T
1,2-Diphenylhydrazine	0.081 U	mg/Kg	0.21	0.081	1	02/11/2022 16:00	02/13/2022 19:46	T
1,3-Dichlorobenzene	0.022 U	mg/Kg	0.21	0.022	1	02/11/2022 16:00	02/13/2022 19:46	T
1,4-Dichlorobenzene	0.047 U	mg/Kg	0.21	0.047	1	02/11/2022 16:00	02/13/2022 19:46	T
1-Methylnaphthalene	**0.018 I**	mg/Kg	0.21	0.0041	1	02/11/2022 16:00	02/13/2022 19:46	T
2,4,6-Trichlorophenol	0.040 U	mg/Kg	0.21	0.040	1	02/11/2022 16:00	02/13/2022 19:46	T
2,4-Dichlorophenol	0.045 U	mg/Kg	0.21	0.045	1	02/11/2022 16:00	02/13/2022 19:46	T
2,4-Dimethylphenol	0.045 U	mg/Kg	0.21	0.045	1	02/11/2022 16:00	02/13/2022 19:46	T
2,4-Dinitrophenol	0.13 U	mg/Kg	0.21	0.13	1	02/11/2022 16:00	02/13/2022 19:46	T
2,4-Dinitrotoluene (2,4-DNT)	0.067 U	mg/Kg	0.21	0.067	1	02/11/2022 16:00	02/13/2022 19:46	T
2,6-Dinitrotoluene (2,6-DNT)	0.053 U	mg/Kg	0.21	0.053	1	02/11/2022 16:00	02/13/2022 19:46	T
2-Chloronaphthalene	0.041 U	mg/Kg	0.21	0.041	1	02/11/2022 16:00	02/13/2022 19:46	T
2-Chlorophenol	0.038 U	mg/Kg	0.21	0.038	1	02/11/2022 16:00	02/13/2022 19:46	T
2-Methyl-4,6-dinitrophenol	0.047 U	mg/Kg	0.21	0.047	1	02/11/2022 16:00	02/13/2022 19:46	T
2-Methylnaphthalene	**0.018 I**	mg/Kg	0.21	0.0050	1	02/11/2022 16:00	02/13/2022 19:46	T
2-Nitrophenol	0.047 U	mg/Kg	0.21	0.047	1	02/11/2022 16:00	02/13/2022 19:46	T
3,3`-Dichlorobenzidine	0.029 U	mg/Kg	0.21	0.029	1	02/11/2022 16:00	02/13/2022 19:46	T
4-Bromophenyl Phenyl Ether	0.054 U	mg/Kg	0.21	0.054	1	02/11/2022 16:00	02/13/2022 19:46	T
4-Chloro-3-methylphenol	0.045 U	mg/Kg	0.21	0.045	1	02/11/2022 16:00	02/13/2022 19:46	T
4-Chlorophenyl Phenyl Ether	0.047 U	mg/Kg	0.21	0.047	1	02/11/2022 16:00	02/13/2022 19:46	T
4-Nitrophenol	0.060 U	mg/Kg	0.21	0.060	1	02/11/2022 16:00	02/13/2022 19:46	T
Acenaphthene	0.0048 U	mg/Kg	0.21	0.0048	1	02/11/2022 16:00	02/13/2022 19:46	T
Acenaphthylene	**0.022 I**	mg/Kg	0.21	0.0054	1	02/11/2022 16:00	02/13/2022 19:46	T
Anthracene	**0.016 I**	mg/Kg	0.21	0.0053	1	02/11/2022 16:00	02/13/2022 19:46	T
Benzidine	0.042 U	mg/Kg	0.21	0.042	1	02/11/2022 16:00	02/13/2022 19:46	T
Benzo[a]anthracene	**0.057 I**	mg/Kg	0.21	0.0048	1	02/11/2022 16:00	02/13/2022 19:46	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528010 **Date Collected:** 02/03/2022 12:40 **Matrix:** Soil
Sample ID: SB-18@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[a]pyrene	**0.087 I**	mg/Kg	0.21	0.0045	1	02/11/2022 16:00	02/13/2022 19:46	T
Benzo[b]fluoranthene	**0.16 I**	mg/Kg	0.21	0.0067	1	02/11/2022 16:00	02/13/2022 19:46	T
Benzo[g,h,i]perylene	**0.083 I**	mg/Kg	0.21	0.0040	1	02/11/2022 16:00	02/13/2022 19:46	T
Benzo[k]fluoranthene	0.0071 U	mg/Kg	0.21	0.0071	1	02/11/2022 16:00	02/13/2022 19:46	T
Butyl benzyl phthalate	0.029 U	mg/Kg	0.21	0.029	1	02/11/2022 16:00	02/13/2022 19:46	T
Chrysene	**0.072 I**	mg/Kg	0.21	0.0054	1	02/11/2022 16:00	02/13/2022 19:46	T
Di-n-Butyl Phthalate	0.044 U	mg/Kg	0.21	0.044	1	02/11/2022 16:00	02/13/2022 19:46	T
Di-n-octyl Phthalate	0.028 U	mg/Kg	0.21	0.028	1	02/11/2022 16:00	02/13/2022 19:46	T
Dibenzo[a,h]anthracene	**0.022 I**	mg/Kg	0.21	0.0041	1	02/11/2022 16:00	02/13/2022 19:46	T
Diethyl phthalate	0.041 U	mg/Kg	0.21	0.041	1	02/11/2022 16:00	02/13/2022 19:46	T
Dimethyl phthalate	0.040 U	mg/Kg	0.21	0.040	1	02/11/2022 16:00	02/13/2022 19:46	T
Fluoranthene	0.051 U	mg/Kg	0.21	0.051	1	02/11/2022 16:00	02/13/2022 19:46	T
Fluorene	0.0047 U	mg/Kg	0.21	0.0047	1	02/11/2022 16:00	02/13/2022 19:46	T
Hexachlorobenzene	0.062 U	mg/Kg	0.21	0.062	1	02/11/2022 16:00	02/13/2022 19:46	T
Hexachlorobutadiene	0.035 U	mg/Kg	0.21	0.035	1	02/11/2022 16:00	02/13/2022 19:46	T
Hexachlorocyclopentadiene	0.035 U	mg/Kg	0.21	0.035	1	02/11/2022 16:00	02/13/2022 19:46	T
Hexachloroethane	0.029 U	mg/Kg	0.21	0.029	1	02/11/2022 16:00	02/13/2022 19:46	T
Indeno(1,2,3-cd)pyrene	**0.081 I**	mg/Kg	0.21	0.0042	1	02/11/2022 16:00	02/13/2022 19:46	T
Isophorone	0.024 U	mg/Kg	0.21	0.024	1	02/11/2022 16:00	02/13/2022 19:46	T
N-Nitrosodi-n-propylamine	0.038 U	mg/Kg	0.21	0.038	1	02/11/2022 16:00	02/13/2022 19:46	T
N-Nitrosodimethylamine	0.0095 U	mg/Kg	0.21	0.0095	1	02/11/2022 16:00	02/13/2022 19:46	T
N-Nitrosodiphenylamine	0.028 U	mg/Kg	0.21	0.028	1	02/11/2022 16:00	02/13/2022 19:46	T
Naphthalene	**0.013 I**	mg/Kg	0.21	0.0051	1	02/11/2022 16:00	02/13/2022 19:46	T
Nitrobenzene	0.051 U	mg/Kg	0.21	0.051	1	02/11/2022 16:00	02/13/2022 19:46	T
Pentachlorophenol	**0.11 I**	mg/Kg	0.21	0.071	1	02/11/2022 16:00	02/13/2022 19:46	T
Phenanthrene	**0.026 I**	mg/Kg	0.21	0.0060	1	02/11/2022 16:00	02/13/2022 19:46	T
Phenol	0.042 U	mg/Kg	0.21	0.042	1	02/11/2022 16:00	02/13/2022 19:46	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528010 **Date Collected:** 02/03/2022 12:40 **Matrix:** Soil
Sample ID: SB-18@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	**0.063 I**	mg/Kg	0.21	0.0046	1	02/11/2022 16:00	02/13/2022 19:46	T
bis(2-Chloroethoxy)methane	0.031 U	mg/Kg	0.21	0.031	1	02/11/2022 16:00	02/13/2022 19:46	T
bis(2-Chloroethyl)Ether	0.044 U	mg/Kg	0.21	0.044	1	02/11/2022 16:00	02/13/2022 19:46	T
bis(2-Chloroisopropyl) Ether	0.039 U	mg/Kg	0.21	0.039	1	02/11/2022 16:00	02/13/2022 19:46	T
bis(2-Ethylhexyl) phthalate	0.033 U	mg/Kg	0.21	0.033	1	02/11/2022 16:00	02/13/2022 19:46	T
(SM 2540G)								
Percent Moisture	**7**	%	0.001	0.0010	1	02/08/2022 10:00	02/08/2022 10:00	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1-Trichloroethane	0.00070 U	mg/Kg	0.0030	0.00070	1	02/07/2022 16:36	02/08/2022 03:13	T
1,1,2,2-Tetrachloroethane	0.00051 U	mg/Kg	0.0030	0.00051	1	02/07/2022 16:36	02/08/2022 03:13	T
1,1,2-Trichloroethane	0.00049 U	mg/Kg	0.0030	0.00049	1	02/07/2022 16:36	02/08/2022 03:13	T
1,1-Dichloroethane	0.00071 U	mg/Kg	0.0030	0.00071	1	02/07/2022 16:36	02/08/2022 03:13	T
1,1-Dichloroethylene	0.00074 U	mg/Kg	0.0030	0.00074	1	02/07/2022 16:36	02/08/2022 03:13	T
1,2-Dichlorobenzene	0.00048 U	mg/Kg	0.0030	0.00048	1	02/07/2022 16:36	02/08/2022 03:13	T
1,2-Dichloroethane	0.00079 U	mg/Kg	0.0030	0.00079	1	02/07/2022 16:36	02/08/2022 03:13	T
1,2-Dichloropropane	0.00054 U	mg/Kg	0.0030	0.00054	1	02/07/2022 16:36	02/08/2022 03:13	T
1,3-Dichlorobenzene	0.00056 U	mg/Kg	0.0030	0.00056	1	02/07/2022 16:36	02/08/2022 03:13	T
1,4-Dichlorobenzene	0.00067 U	mg/Kg	0.0030	0.00067	1	02/07/2022 16:36	02/08/2022 03:13	T
2-Chloroethyl Vinyl Ether	0.0026 U	mg/Kg	0.0030	0.0026	1	02/07/2022 16:36	02/08/2022 03:13	T
Acrolein (Propenal)	0.0063 U	mg/Kg	0.015	0.0063	1	02/07/2022 16:36	02/08/2022 03:13	T
Acrylonitrile	0.00052 U	mg/Kg	0.0030	0.00052	1	02/07/2022 16:36	02/08/2022 03:13	T
Benzene	0.00050 U	mg/Kg	0.0030	0.00050	1	02/07/2022 16:36	02/08/2022 03:13	T
Bromodichloromethane	0.00053 U	mg/Kg	0.0030	0.00053	1	02/07/2022 16:36	02/08/2022 03:13	T
Bromoform	0.0020 U	mg/Kg	0.0030	0.0020	1	02/07/2022 16:36	02/08/2022 03:13	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528010 **Date Collected:** 02/03/2022 12:40 **Matrix:** Soil
Sample ID: SB-18@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Bromomethane	0.0013 U	mg/Kg	0.0030	0.0013	1	02/07/2022 16:36	02/08/2022 03:13	T
Carbon Tetrachloride	0.00085 U	mg/Kg	0.0030	0.00085	1	02/07/2022 16:36	02/08/2022 03:13	T
Chlorobenzene	0.00045 U	mg/Kg	0.0030	0.00045	1	02/07/2022 16:36	02/08/2022 03:13	T
Chloroethane	0.0015 U	mg/Kg	0.0030	0.0015	1	02/07/2022 16:36	02/08/2022 03:13	T
Chloroform	0.00062 U	mg/Kg	0.0030	0.00062	1	02/07/2022 16:36	02/08/2022 03:13	T
Chloromethane	0.00069 U	mg/Kg	0.0030	0.00069	1	02/07/2022 16:36	02/08/2022 03:13	T
Dibromochloromethane	0.0017 U	mg/Kg	0.0030	0.0017	1	02/07/2022 16:36	02/08/2022 03:13	T
Dichlorodifluoromethane	0.0010 U	mg/Kg	0.0030	0.0010	1	02/07/2022 16:36	02/08/2022 03:13	T
Ethylbenzene	0.00036 U	mg/Kg	0.0030	0.00036	1	02/07/2022 16:36	02/08/2022 03:13	T
Methyl tert-butyl Ether (MTBE)	0.00099 U	mg/Kg	0.0030	0.00099	1	02/07/2022 16:36	02/08/2022 03:13	T
Methylene Chloride	0.0041 U	mg/Kg	0.0050	0.0041	1	02/07/2022 16:36	02/08/2022 03:13	T
Tetrachloroethylene (PCE)	0.00057 U	mg/Kg	0.0030	0.00057	1	02/07/2022 16:36	02/08/2022 03:13	T
Toluene	0.00037 U	mg/Kg	0.0030	0.00037	1	02/07/2022 16:36	02/08/2022 03:13	T
Trichloroethene	0.00074 U	mg/Kg	0.0030	0.00074	1	02/07/2022 16:36	02/08/2022 03:13	T
Trichlorofluoromethane	0.00067 U	mg/Kg	0.0030	0.00067	1	02/07/2022 16:36	02/08/2022 03:13	T
Vinyl Chloride	0.00058 U	mg/Kg	0.0030	0.00058	1	02/07/2022 16:36	02/08/2022 03:13	T
Xylene (Total)	0.0013 U	mg/Kg	0.0060	0.0013	1	02/07/2022 16:36	02/08/2022 03:13	T
cis-1,2-Dichloroethylene	0.00059 U	mg/Kg	0.0030	0.00059	1	02/07/2022 16:36	02/08/2022 03:13	T
cis-1,3-Dichloropropene	0.0021 U	mg/Kg	0.0030	0.0021	1	02/07/2022 16:36	02/08/2022 03:13	T
trans-1,2-Dichloroethylene	0.00061 U	mg/Kg	0.0030	0.00061	1	02/07/2022 16:36	02/08/2022 03:13	T
trans-1,3-Dichloropropylene	0.0019 U	mg/Kg	0.0030	0.0019	1	02/07/2022 16:36	02/08/2022 03:13	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Analysis Results Comments

Decachlorobiphenyl

J4|Estimated Result

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	47	48	102	69 - 134	T
Toluene-d8 (S)	ug/Kg	47	45	96	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	47	52	112	79 - 126	T
2-Fluorobiphenyl (S)	mg/Kg	0.38	0.29	77	37 - 127	T
p-Terphenyl-d14 (S)	mg/Kg	0.38	0.39	103	42 - 141	T
Nitrobenzene-d5 (S)	mg/Kg	0.38	0.35	92	33 - 134	T
Nonatricontane-C39 (S)	mg/Kg	5.70	5	88	36 - 132	T
o-Terphenyl (S)	mg/Kg	1.90	1.50	77	66 - 136	T
Decachlorobiphenyl (S)	ug/Kg	74	36	**49**	63 - 130	M
Tetrachloro-m-xylene (S)	ug/Kg	150	130	86	42 - 129	M
2,4,6-Tribromophenol (S)	mg/Kg	2	1.80	89	39 - 132	T
Phenol-d6 (S)	mg/Kg	2	1.40	68	33 - 122	T
2-Fluorobiphenyl (S)	mg/Kg	2	1.40	70	44 - 115	T
2-Fluorophenol (S)	mg/Kg	2	1.30	65	35 - 115	T
Nitrobenzene-d5 (S)	mg/Kg	2	1.40	72	37 - 122	T
p-Terphenyl-d14 (S)	mg/Kg	2	1.60	83	54 - 127	T
Decachlorobiphenyl (S)	ug/Kg	74	36	**49**	61 - 147	M
Tetrachloro-m-xylene (S)	ug/Kg	150	130	86	44 - 130	M

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528011 **Date Collected:** 02/03/2022 13:00 **Matrix:** Soil
Sample ID: SB-17@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	0.13 U	mg/Kg	0.25	0.13	1	02/08/2022 15:00	02/09/2022 18:53	T
Cadmium	0.025 U	mg/Kg	0.050	0.025	1	02/08/2022 15:00	02/09/2022 18:53	T
Chromium	**1.3**	mg/Kg	0.25	0.20	1	02/08/2022 15:00	02/09/2022 18:53	T
Lead	**1.8**	mg/Kg	0.25	0.13	1	02/08/2022 15:00	02/09/2022 18:53	T
SEMIVOLATILES (FL-PRO)								
TPH	5.1 U	mg/Kg	15	5.1	1	02/09/2022 09:30	02/09/2022 17:00	T
SEMIVOLATILES (SW-846 3550B/EPA 8081)								
4,4`-DDD	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 09:00	02/08/2022 03:09	M
4,4`-DDE	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 09:00	02/08/2022 03:09	M
4,4`-DDT	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 09:00	02/08/2022 03:09	M
Aldrin	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 09:00	02/08/2022 03:09	M
Chlordane (technical)	0.0095 U	mg/Kg	0.032	0.0095	1	02/07/2022 09:00	02/08/2022 03:09	M
Dieldrin	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 09:00	02/08/2022 03:09	M
Endosulfan I	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 09:00	02/08/2022 03:09	M
Endosulfan II	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 09:00	02/08/2022 03:09	M
Endosulfan Sulfate	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 09:00	02/08/2022 03:09	M
Endrin	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 09:00	02/08/2022 03:09	M
Endrin Aldehyde	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 09:00	02/08/2022 03:09	M
Heptachlor	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 09:00	02/08/2022 03:09	M
Heptachlor Epoxide	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 09:00	02/08/2022 03:09	M
Methoxychlor	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 09:00	02/08/2022 03:09	M
Toxaphene	0.010 U	mg/Kg	0.032	0.010	1	02/07/2022 09:00	02/08/2022 03:09	M
alpha-BHC	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 09:00	02/08/2022 03:09	M
beta-BHC	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 09:00	02/08/2022 03:09	M
delta-BHC	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 09:00	02/08/2022 03:09	M
gamma-BHC (Lindane)	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 09:00	02/08/2022 03:09	M
SEMIVOLATILES (SW-846 3550B/SW-846 8082A)								

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528011 **Date Collected:** 02/03/2022 13:00 **Matrix:** Soil
Sample ID: SB-17@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Aroclor 1016 (PCB-1016)	0.019 U	mg/Kg	0.032	0.019	1	02/07/2022 09:00	02/08/2022 03:09	M
Aroclor 1221 (PCB-1221)	0.022 U	mg/Kg	0.032	0.022	1	02/07/2022 09:00	02/08/2022 03:09	M
Aroclor 1232 (PCB-1232)	0.030 U	mg/Kg	0.032	0.030	1	02/07/2022 09:00	02/08/2022 03:09	M
Aroclor 1242 (PCB-1242)	0.024 U	mg/Kg	0.032	0.024	1	02/07/2022 09:00	02/08/2022 03:09	M
Aroclor 1248 (PCB-1248)	0.012 U	mg/Kg	0.032	0.012	1	02/07/2022 09:00	02/08/2022 03:09	M
Aroclor 1254 (PCB-1254)	0.0064 U	mg/Kg	0.032	0.0064	1	02/07/2022 09:00	02/08/2022 03:09	M
Aroclor 1260 (PCB-1260)	0.038 U	mg/Kg	0.064	0.038	1	02/07/2022 09:00	02/08/2022 03:09	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	0.0016 U	mg/Kg	0.0086	0.0016	1	02/09/2022 09:30	02/10/2022 11:07	T
2-Methylnaphthalene	0.0021 U	mg/Kg	0.0086	0.0021	1	02/09/2022 09:30	02/10/2022 11:07	T
Acenaphthene	0.0016 U	mg/Kg	0.0086	0.0016	1	02/09/2022 09:30	02/10/2022 11:07	T
Acenaphthylene	0.0018 U	mg/Kg	0.0086	0.0018	1	02/09/2022 09:30	02/10/2022 11:07	T
Anthracene	0.0026 U	mg/Kg	0.0086	0.0026	1	02/09/2022 09:30	02/10/2022 11:07	T
Benzo[a]anthracene	0.0021 U	mg/Kg	0.0086	0.0021	1	02/09/2022 09:30	02/10/2022 11:07	T
Benzo[a]pyrene	**0.0027 I**	mg/Kg	0.0086	0.0017	1	02/09/2022 09:30	02/10/2022 11:07	T
Benzo[b]fluoranthene	**0.0048 I**	mg/Kg	0.0086	0.0016	1	02/09/2022 09:30	02/10/2022 11:07	T
Benzo[g,h,i]perylene	**0.0034 I**	mg/Kg	0.0086	0.0020	1	02/09/2022 09:30	02/10/2022 11:07	T
Benzo[k]fluoranthene	0.0024 U	mg/Kg	0.0086	0.0024	1	02/09/2022 09:30	02/10/2022 11:07	T
Chrysene	0.0030 U	mg/Kg	0.0086	0.0030	1	02/09/2022 09:30	02/10/2022 11:07	T
Dibenzo[a,h]anthracene	0.0017 U	mg/Kg	0.0086	0.0017	1	02/09/2022 09:30	02/10/2022 11:07	T
Fluoranthene	0.0029 U	mg/Kg	0.0086	0.0029	1	02/09/2022 09:30	02/10/2022 11:07	T
Fluorene	0.0022 U	mg/Kg	0.0086	0.0022	1	02/09/2022 09:30	02/10/2022 11:07	T
Indeno(1,2,3-cd)pyrene	**0.0034 I**	mg/Kg	0.0086	0.0025	1	02/09/2022 09:30	02/10/2022 11:07	T
Naphthalene	0.0018 U	mg/Kg	0.0086	0.0018	1	02/09/2022 09:30	02/10/2022 11:07	T
Phenanthrene	0.0022 U	mg/Kg	0.0086	0.0022	1	02/09/2022 09:30	02/10/2022 11:07	T
Pyrene	**0.0031 I**	mg/Kg	0.0086	0.0024	1	02/09/2022 09:30	02/10/2022 11:07	T
SEMIVOLATILES (SW-846 3550B/SW-846 8270C)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528011 **Date Collected:** 02/03/2022 13:00 **Matrix:** Soil
Sample ID: SB-17@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,2,4-Trichlorobenzene	0.031 U	mg/Kg	0.21	0.031	1	02/11/2022 16:00	02/13/2022 18:32	T
1,2-Dichlorobenzene	0.043 U	mg/Kg	0.21	0.043	1	02/11/2022 16:00	02/13/2022 18:32	T
1,2-Diphenylhydrazine	0.081 U	mg/Kg	0.21	0.081	1	02/11/2022 16:00	02/13/2022 18:32	T
1,3-Dichlorobenzene	0.022 U	mg/Kg	0.21	0.022	1	02/11/2022 16:00	02/13/2022 18:32	T
1,4-Dichlorobenzene	0.047 U	mg/Kg	0.21	0.047	1	02/11/2022 16:00	02/13/2022 18:32	T
1-Methylnaphthalene	0.0041 U	mg/Kg	0.21	0.0041	1	02/11/2022 16:00	02/13/2022 18:32	T
2,4,6-Trichlorophenol	0.040 U	mg/Kg	0.21	0.040	1	02/11/2022 16:00	02/13/2022 18:32	T
2,4-Dichlorophenol	0.045 U	mg/Kg	0.21	0.045	1	02/11/2022 16:00	02/13/2022 18:32	T
2,4-Dimethylphenol	0.045 U	mg/Kg	0.21	0.045	1	02/11/2022 16:00	02/13/2022 18:32	T
2,4-Dinitrophenol	0.13 U	mg/Kg	0.21	0.13	1	02/11/2022 16:00	02/13/2022 18:32	T
2,4-Dinitrotoluene (2,4-DNT)	0.067 U	mg/Kg	0.21	0.067	1	02/11/2022 16:00	02/13/2022 18:32	T
2,6-Dinitrotoluene (2,6-DNT)	0.053 U	mg/Kg	0.21	0.053	1	02/11/2022 16:00	02/13/2022 18:32	T
2-Chloronaphthalene	0.041 U	mg/Kg	0.21	0.041	1	02/11/2022 16:00	02/13/2022 18:32	T
2-Chlorophenol	0.038 U	mg/Kg	0.21	0.038	1	02/11/2022 16:00	02/13/2022 18:32	T
2-Methyl-4,6-dinitrophenol	0.047 U	mg/Kg	0.21	0.047	1	02/11/2022 16:00	02/13/2022 18:32	T
2-Methylnaphthalene	0.0050 U	mg/Kg	0.21	0.0050	1	02/11/2022 16:00	02/13/2022 18:32	T
2-Nitrophenol	0.047 U	mg/Kg	0.21	0.047	1	02/11/2022 16:00	02/13/2022 18:32	T
3,3`-Dichlorobenzidine	0.029 U	mg/Kg	0.21	0.029	1	02/11/2022 16:00	02/13/2022 18:32	T
4-Bromophenyl Phenyl Ether	0.054 U	mg/Kg	0.21	0.054	1	02/11/2022 16:00	02/13/2022 18:32	T
4-Chloro-3-methylphenol	0.045 U	mg/Kg	0.21	0.045	1	02/11/2022 16:00	02/13/2022 18:32	T
4-Chlorophenyl Phenyl Ether	0.047 U	mg/Kg	0.21	0.047	1	02/11/2022 16:00	02/13/2022 18:32	T
4-Nitrophenol	0.060 U	mg/Kg	0.21	0.060	1	02/11/2022 16:00	02/13/2022 18:32	T
Acenaphthene	0.0048 U	mg/Kg	0.21	0.0048	1	02/11/2022 16:00	02/13/2022 18:32	T
Acenaphthylene	0.0054 U	mg/Kg	0.21	0.0054	1	02/11/2022 16:00	02/13/2022 18:32	T
Anthracene	0.0053 U	mg/Kg	0.21	0.0053	1	02/11/2022 16:00	02/13/2022 18:32	T
Benzidine	0.042 U	mg/Kg	0.21	0.042	1	02/11/2022 16:00	02/13/2022 18:32	T
Benzo[a]anthracene	0.0048 U	mg/Kg	0.21	0.0048	1	02/11/2022 16:00	02/13/2022 18:32	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528011 **Date Collected:** 02/03/2022 13:00 **Matrix:** Soil
Sample ID: SB-17@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[a]pyrene	0.0045 U	mg/Kg	0.21	0.0045	1	02/11/2022 16:00	02/13/2022 18:32	T
Benzo[b]fluoranthene	0.0067 U	mg/Kg	0.21	0.0067	1	02/11/2022 16:00	02/13/2022 18:32	T
Benzo[g,h,i]perylene	**0.0047 I**	mg/Kg	0.21	0.0040	1	02/11/2022 16:00	02/13/2022 18:32	T
Benzo[k]fluoranthene	0.0071 U	mg/Kg	0.21	0.0071	1	02/11/2022 16:00	02/13/2022 18:32	T
Butyl benzyl phthalate	0.029 U	mg/Kg	0.21	0.029	1	02/11/2022 16:00	02/13/2022 18:32	T
Chrysene	0.0054 U	mg/Kg	0.21	0.0054	1	02/11/2022 16:00	02/13/2022 18:32	T
Di-n-Butyl Phthalate	0.044 U	mg/Kg	0.21	0.044	1	02/11/2022 16:00	02/13/2022 18:32	T
Di-n-octyl Phthalate	0.028 U	mg/Kg	0.21	0.028	1	02/11/2022 16:00	02/13/2022 18:32	T
Dibenzo[a,h]anthracene	0.0041 U	mg/Kg	0.21	0.0041	1	02/11/2022 16:00	02/13/2022 18:32	T
Diethyl phthalate	0.041 U	mg/Kg	0.21	0.041	1	02/11/2022 16:00	02/13/2022 18:32	T
Dimethyl phthalate	0.040 U	mg/Kg	0.21	0.040	1	02/11/2022 16:00	02/13/2022 18:32	T
Fluoranthene	0.051 U	mg/Kg	0.21	0.051	1	02/11/2022 16:00	02/13/2022 18:32	T
Fluorene	0.0047 U	mg/Kg	0.21	0.0047	1	02/11/2022 16:00	02/13/2022 18:32	T
Hexachlorobenzene	0.062 U	mg/Kg	0.21	0.062	1	02/11/2022 16:00	02/13/2022 18:32	T
Hexachlorobutadiene	0.035 U	mg/Kg	0.21	0.035	1	02/11/2022 16:00	02/13/2022 18:32	T
Hexachlorocyclopentadiene	0.035 U	mg/Kg	0.21	0.035	1	02/11/2022 16:00	02/13/2022 18:32	T
Hexachloroethane	0.029 U	mg/Kg	0.21	0.029	1	02/11/2022 16:00	02/13/2022 18:32	T
Indeno(1,2,3-cd)pyrene	0.0042 U	mg/Kg	0.21	0.0042	1	02/11/2022 16:00	02/13/2022 18:32	T
Isophorone	0.024 U	mg/Kg	0.21	0.024	1	02/11/2022 16:00	02/13/2022 18:32	T
N-Nitrosodi-n-propylamine	0.038 U	mg/Kg	0.21	0.038	1	02/11/2022 16:00	02/13/2022 18:32	T
N-Nitrosodimethylamine	0.0095 U	mg/Kg	0.21	0.0095	1	02/11/2022 16:00	02/13/2022 18:32	T
N-Nitrosodiphenylamine	0.028 U	mg/Kg	0.21	0.028	1	02/11/2022 16:00	02/13/2022 18:32	T
Naphthalene	0.0051 U	mg/Kg	0.21	0.0051	1	02/11/2022 16:00	02/13/2022 18:32	T
Nitrobenzene	0.051 U	mg/Kg	0.21	0.051	1	02/11/2022 16:00	02/13/2022 18:32	T
Pentachlorophenol	0.071 U	mg/Kg	0.21	0.071	1	02/11/2022 16:00	02/13/2022 18:32	T
Phenanthrene	0.0060 U	mg/Kg	0.21	0.0060	1	02/11/2022 16:00	02/13/2022 18:32	T
Phenol	0.042 U	mg/Kg	0.21	0.042	1	02/11/2022 16:00	02/13/2022 18:32	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528011 **Date Collected:** 02/03/2022 13:00 **Matrix:** Soil
Sample ID: SB-17@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	0.0046 U	mg/Kg	0.21	0.0046	1	02/11/2022 16:00	02/13/2022 18:32	T
bis(2-Chloroethoxy)methane	0.031 U	mg/Kg	0.21	0.031	1	02/11/2022 16:00	02/13/2022 18:32	T
bis(2-Chloroethyl)Ether	0.044 U	mg/Kg	0.21	0.044	1	02/11/2022 16:00	02/13/2022 18:32	T
bis(2-Chloroisopropyl) Ether	0.039 U	mg/Kg	0.21	0.039	1	02/11/2022 16:00	02/13/2022 18:32	T
bis(2-Ethylhexyl) phthalate	0.033 U	mg/Kg	0.21	0.033	1	02/11/2022 16:00	02/13/2022 18:32	T
(SM 2540G)								
Percent Moisture	**7**	%	0.001	0.0010	1	02/08/2022 10:00	02/08/2022 10:00	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1-Trichloroethane	0.00075 U	mg/Kg	0.0032	0.00075	1	02/07/2022 16:36	02/08/2022 03:41	T
1,1,2,2-Tetrachloroethane	0.00055 U	mg/Kg	0.0032	0.00055	1	02/07/2022 16:36	02/08/2022 03:41	T
1,1,2-Trichloroethane	0.00052 U	mg/Kg	0.0032	0.00052	1	02/07/2022 16:36	02/08/2022 03:41	T
1,1-Dichloroethane	0.00075 U	mg/Kg	0.0032	0.00075	1	02/07/2022 16:36	02/08/2022 03:41	T
1,1-Dichloroethylene	0.00079 U	mg/Kg	0.0032	0.00079	1	02/07/2022 16:36	02/08/2022 03:41	T
1,2-Dichlorobenzene	0.00051 U	mg/Kg	0.0032	0.00051	1	02/07/2022 16:36	02/08/2022 03:41	T
1,2-Dichloroethane	0.00084 U	mg/Kg	0.0032	0.00084	1	02/07/2022 16:36	02/08/2022 03:41	T
1,2-Dichloropropane	0.00057 U	mg/Kg	0.0032	0.00057	1	02/07/2022 16:36	02/08/2022 03:41	T
1,3-Dichlorobenzene	0.00059 U	mg/Kg	0.0032	0.00059	1	02/07/2022 16:36	02/08/2022 03:41	T
1,4-Dichlorobenzene	0.00071 U	mg/Kg	0.0032	0.00071	1	02/07/2022 16:36	02/08/2022 03:41	T
2-Chloroethyl Vinyl Ether	0.0028 U	mg/Kg	0.0032	0.0028	1	02/07/2022 16:36	02/08/2022 03:41	T
Acrolein (Propenal)	0.0067 U	mg/Kg	0.016	0.0067	1	02/07/2022 16:36	02/08/2022 03:41	T
Acrylonitrile	0.00056 U	mg/Kg	0.0032	0.00056	1	02/07/2022 16:36	02/08/2022 03:41	T
Benzene	0.00053 U	mg/Kg	0.0032	0.00053	1	02/07/2022 16:36	02/08/2022 03:41	T
Bromodichloromethane	0.00057 U	mg/Kg	0.0032	0.00057	1	02/07/2022 16:36	02/08/2022 03:41	T
Bromoform	0.0021 U	mg/Kg	0.0032	0.0021	1	02/07/2022 16:36	02/08/2022 03:41	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528011 **Date Collected:** 02/03/2022 13:00 **Matrix:** Soil
Sample ID: SB-17@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Bromomethane	0.0013 U	mg/Kg	0.0032	0.0013	1	02/07/2022 16:36	02/08/2022 03:41	T
Carbon Tetrachloride	0.00090 U	mg/Kg	0.0032	0.00090	1	02/07/2022 16:36	02/08/2022 03:41	T
Chlorobenzene	0.00048 U	mg/Kg	0.0032	0.00048	1	02/07/2022 16:36	02/08/2022 03:41	T
Chloroethane	0.0016 U	mg/Kg	0.0032	0.0016	1	02/07/2022 16:36	02/08/2022 03:41	T
Chloroform	0.00065 U	mg/Kg	0.0032	0.00065	1	02/07/2022 16:36	02/08/2022 03:41	T
Chloromethane	0.00073 U	mg/Kg	0.0032	0.00073	1	02/07/2022 16:36	02/08/2022 03:41	T
Dibromochloromethane	0.0018 U	mg/Kg	0.0032	0.0018	1	02/07/2022 16:36	02/08/2022 03:41	T
Dichlorodifluoromethane	0.0011 U	mg/Kg	0.0032	0.0011	1	02/07/2022 16:36	02/08/2022 03:41	T
Ethylbenzene	0.00038 U	mg/Kg	0.0032	0.00038	1	02/07/2022 16:36	02/08/2022 03:41	T
Methyl tert-butyl Ether (MTBE)	0.0011 U	mg/Kg	0.0032	0.0011	1	02/07/2022 16:36	02/08/2022 03:41	T
Methylene Chloride	0.0043 U	mg/Kg	0.0053	0.0043	1	02/07/2022 16:36	02/08/2022 03:41	T
Tetrachloroethylene (PCE)	0.00061 U	mg/Kg	0.0032	0.00061	1	02/07/2022 16:36	02/08/2022 03:41	T
Toluene	0.00040 U	mg/Kg	0.0032	0.00040	1	02/07/2022 16:36	02/08/2022 03:41	T
Trichloroethene	0.00079 U	mg/Kg	0.0032	0.00079	1	02/07/2022 16:36	02/08/2022 03:41	T
Trichlorofluoromethane	0.00071 U	mg/Kg	0.0032	0.00071	1	02/07/2022 16:36	02/08/2022 03:41	T
Vinyl Chloride	0.00062 U	mg/Kg	0.0032	0.00062	1	02/07/2022 16:36	02/08/2022 03:41	T
Xylene (Total)	0.0014 U	mg/Kg	0.0064	0.0014	1	02/07/2022 16:36	02/08/2022 03:41	T
cis-1,2-Dichloroethylene	0.00063 U	mg/Kg	0.0032	0.00063	1	02/07/2022 16:36	02/08/2022 03:41	T
cis-1,3-Dichloropropene	0.0023 U	mg/Kg	0.0032	0.0023	1	02/07/2022 16:36	02/08/2022 03:41	T
trans-1,2-Dichloroethylene	0.00065 U	mg/Kg	0.0032	0.00065	1	02/07/2022 16:36	02/08/2022 03:41	T
trans-1,3-Dichloropropylene	0.0020 U	mg/Kg	0.0032	0.0020	1	02/07/2022 16:36	02/08/2022 03:41	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	50	51	101	69 - 134	T
Toluene-d8 (S)	ug/Kg	50	47	94	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	50	56	112	79 - 126	T
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.31	77	37 - 127	T
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.39	97	33 - 134	T
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.41	101	42 - 141	T
Nonatricontane-C39 (S)	mg/Kg	6	4.90	82	36 - 132	T
o-Terphenyl (S)	mg/Kg	2	1.40	72	66 - 136	T
Decachlorobiphenyl (S)	ug/Kg	75	47	63	63 - 130	M
Tetrachloro-m-xylene (S)	ug/Kg	150	180	120	42 - 129	M
2,4,6-Tribromophenol (S)	mg/Kg	2	1.80	91	39 - 132	T
Phenol-d6 (S)	mg/Kg	2	1.50	77	33 - 122	T
2-Fluorobiphenyl (S)	mg/Kg	2	1.50	74	44 - 115	T
2-Fluorophenol (S)	mg/Kg	2	1.40	73	35 - 115	T
Nitrobenzene-d5 (S)	mg/Kg	2	1.60	82	37 - 122	T
p-Terphenyl-d14 (S)	mg/Kg	2	1.60	81	54 - 127	T
Tetrachloro-m-xylene (S)	ug/Kg	150	180	120	44 - 130	M
Decachlorobiphenyl (S)	ug/Kg	75	47	63	61 - 147	M

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528012 **Date Collected:** 02/03/2022 13:20 **Matrix:** Soil
Sample ID: SB-28@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**1.2**	mg/Kg	0.30	0.15	1	02/08/2022 15:00	02/09/2022 19:10	T
Cadmium	**0.57**	mg/Kg	0.061	0.030	1	02/08/2022 15:00	02/09/2022 19:10	T
Chromium	**6.1**	mg/Kg	0.30	0.24	1	02/08/2022 15:00	02/09/2022 19:10	T
Lead	**39**	mg/Kg	0.30	0.15	1	02/08/2022 15:00	02/09/2022 19:10	T
SEMIVOLATILES (FL-PRO)								
TPH	**9.3 I**	mg/Kg	17	6.1	1	02/09/2022 09:30	02/09/2022 22:38	T
SEMIVOLATILES (SW-846 3550B/EPA 8081)								
4,4`-DDD	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 09:00	02/08/2022 03:31	M
4,4`-DDE	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 09:00	02/08/2022 03:31	M
4,4`-DDT	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 09:00	02/08/2022 03:31	M
Aldrin	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 09:00	02/08/2022 03:31	M
Chlordane (technical)	0.011 U	mg/Kg	0.035	0.011	1	02/07/2022 09:00	02/08/2022 03:31	M
Dieldrin	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 09:00	02/08/2022 03:31	M
Endosulfan I	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 09:00	02/08/2022 03:31	M
Endosulfan II	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 09:00	02/08/2022 03:31	M
Endosulfan Sulfate	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 09:00	02/08/2022 03:31	M
Endrin	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 09:00	02/08/2022 03:31	M
Endrin Aldehyde	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 09:00	02/08/2022 03:31	M
Heptachlor	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 09:00	02/08/2022 03:31	M
Heptachlor Epoxide	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 09:00	02/08/2022 03:31	M
Methoxychlor	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 09:00	02/08/2022 03:31	M
Toxaphene	0.011 U	mg/Kg	0.035	0.011	1	02/07/2022 09:00	02/08/2022 03:31	M
alpha-BHC	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 09:00	02/08/2022 03:31	M
beta-BHC	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 09:00	02/08/2022 03:31	M
delta-BHC	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 09:00	02/08/2022 03:31	M
gamma-BHC (Lindane)	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 09:00	02/08/2022 03:31	M
SEMIVOLATILES (SW-846 3550B/SW-846 8082A)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528012 **Date Collected:** 02/03/2022 13:20 **Matrix:** Soil
Sample ID: SB-28@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Aroclor 1016 (PCB-1016)	0.021 U	mg/Kg	0.035	0.021	1	02/07/2022 09:00	02/08/2022 03:31	M
Aroclor 1221 (PCB-1221)	0.025 U	mg/Kg	0.035	0.025	1	02/07/2022 09:00	02/08/2022 03:31	M
Aroclor 1232 (PCB-1232)	0.034 U	mg/Kg	0.035	0.034	1	02/07/2022 09:00	02/08/2022 03:31	M
Aroclor 1242 (PCB-1242)	0.027 U	mg/Kg	0.035	0.027	1	02/07/2022 09:00	02/08/2022 03:31	M
Aroclor 1248 (PCB-1248)	0.013 U	mg/Kg	0.035	0.013	1	02/07/2022 09:00	02/08/2022 03:31	M
Aroclor 1254 (PCB-1254)	0.0071 U	mg/Kg	0.035	0.0071	1	02/07/2022 09:00	02/08/2022 03:31	M
Aroclor 1260 (PCB-1260)	0.042 U	mg/Kg	0.071	0.042	1	02/07/2022 09:00	02/08/2022 03:31	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	**0.0064 I**	mg/Kg	0.010	0.0019	1	02/09/2022 09:30	02/10/2022 11:35	T
2-Methylnaphthalene	**0.0070 I**	mg/Kg	0.010	0.0025	1	02/09/2022 09:30	02/10/2022 11:35	T
Acenaphthene	0.0019 U	mg/Kg	0.010	0.0019	1	02/09/2022 09:30	02/10/2022 11:35	T
Acenaphthylene	**0.0046 I**	mg/Kg	0.010	0.0022	1	02/09/2022 09:30	02/10/2022 11:35	T
Anthracene	**0.0061 I**	mg/Kg	0.010	0.0031	1	02/09/2022 09:30	02/10/2022 11:35	T
Benzo[a]anthracene	**0.013**	mg/Kg	0.010	0.0025	1	02/09/2022 09:30	02/10/2022 11:35	T
Benzo[a]pyrene	**0.018**	mg/Kg	0.010	0.0021	1	02/09/2022 09:30	02/10/2022 11:35	T
Benzo[b]fluoranthene	**0.034**	mg/Kg	0.010	0.0020	1	02/09/2022 09:30	02/10/2022 11:35	T
Benzo[g,h,i]perylene	**0.023**	mg/Kg	0.010	0.0024	1	02/09/2022 09:30	02/10/2022 11:35	T
Benzo[k]fluoranthene	**0.013**	mg/Kg	0.010	0.0029	1	02/09/2022 09:30	02/10/2022 11:35	T
Chrysene	**0.030**	mg/Kg	0.010	0.0036	1	02/09/2022 09:30	02/10/2022 11:35	T
Dibenzo[a,h]anthracene	**0.0054 I**	mg/Kg	0.010	0.0021	1	02/09/2022 09:30	02/10/2022 11:35	T
Fluoranthene	**0.023**	mg/Kg	0.010	0.0034	1	02/09/2022 09:30	02/10/2022 11:35	T
Fluorene	0.0027 U	mg/Kg	0.010	0.0027	1	02/09/2022 09:30	02/10/2022 11:35	T
Indeno(1,2,3-cd)pyrene	**0.023**	mg/Kg	0.010	0.0029	1	02/09/2022 09:30	02/10/2022 11:35	T
Naphthalene	**0.0044 I**	mg/Kg	0.010	0.0021	1	02/09/2022 09:30	02/10/2022 11:35	T
Phenanthrene	**0.015**	mg/Kg	0.010	0.0027	1	02/09/2022 09:30	02/10/2022 11:35	T
Pyrene	**0.026**	mg/Kg	0.010	0.0029	1	02/09/2022 09:30	02/10/2022 11:35	T
SEMIVOLATILES (SW-846 3550B/SW-846 8270C)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528012 **Date Collected:** 02/03/2022 13:20 **Matrix:** Soil
Sample ID: SB-28@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,2,4-Trichlorobenzene	0.036 U	mg/Kg	0.24	0.036	1	02/11/2022 16:00	02/13/2022 20:23	T
1,2-Dichlorobenzene	0.049 U	mg/Kg	0.24	0.049	1	02/11/2022 16:00	02/13/2022 20:23	T
1,2-Diphenylhydrazine	0.094 U	mg/Kg	0.24	0.094	1	02/11/2022 16:00	02/13/2022 20:23	T
1,3-Dichlorobenzene	0.025 U	mg/Kg	0.24	0.025	1	02/11/2022 16:00	02/13/2022 20:23	T
1,4-Dichlorobenzene	0.055 U	mg/Kg	0.24	0.055	1	02/11/2022 16:00	02/13/2022 20:23	T
1-Methylnaphthalene	0.0047 U	mg/Kg	0.24	0.0047	1	02/11/2022 16:00	02/13/2022 20:23	T
2,4,6-Trichlorophenol	0.046 U	mg/Kg	0.24	0.046	1	02/11/2022 16:00	02/13/2022 20:23	T
2,4-Dichlorophenol	0.052 U	mg/Kg	0.24	0.052	1	02/11/2022 16:00	02/13/2022 20:23	T
2,4-Dimethylphenol	0.052 U	mg/Kg	0.24	0.052	1	02/11/2022 16:00	02/13/2022 20:23	T
2,4-Dinitrophenol	0.15 U	mg/Kg	0.24	0.15	1	02/11/2022 16:00	02/13/2022 20:23	T
2,4-Dinitrotoluene (2,4-DNT)	0.077 U	mg/Kg	0.24	0.077	1	02/11/2022 16:00	02/13/2022 20:23	T
2,6-Dinitrotoluene (2,6-DNT)	0.061 U	mg/Kg	0.24	0.061	1	02/11/2022 16:00	02/13/2022 20:23	T
2-Chloronaphthalene	0.047 U	mg/Kg	0.24	0.047	1	02/11/2022 16:00	02/13/2022 20:23	T
2-Chlorophenol	0.043 U	mg/Kg	0.24	0.043	1	02/11/2022 16:00	02/13/2022 20:23	T
2-Methyl-4,6-dinitrophenol	0.055 U	mg/Kg	0.24	0.055	1	02/11/2022 16:00	02/13/2022 20:23	T
2-Methylnaphthalene	0.0058 U	mg/Kg	0.24	0.0058	1	02/11/2022 16:00	02/13/2022 20:23	T
2-Nitrophenol	0.054 U	mg/Kg	0.24	0.054	1	02/11/2022 16:00	02/13/2022 20:23	T
3,3`-Dichlorobenzidine	0.033 U	mg/Kg	0.24	0.033	1	02/11/2022 16:00	02/13/2022 20:23	T
4-Bromophenyl Phenyl Ether	0.062 U	mg/Kg	0.24	0.062	1	02/11/2022 16:00	02/13/2022 20:23	T
4-Chloro-3-methylphenol	0.052 U	mg/Kg	0.24	0.052	1	02/11/2022 16:00	02/13/2022 20:23	T
4-Chlorophenyl Phenyl Ether	0.054 U	mg/Kg	0.24	0.054	1	02/11/2022 16:00	02/13/2022 20:23	T
4-Nitrophenol	0.069 U	mg/Kg	0.24	0.069	1	02/11/2022 16:00	02/13/2022 20:23	T
Acenaphthene	**0.0062 I**	mg/Kg	0.24	0.0056	1	02/11/2022 16:00	02/13/2022 20:23	T
Acenaphthylene	**0.012 I**	mg/Kg	0.24	0.0062	1	02/11/2022 16:00	02/13/2022 20:23	T
Anthracene	**0.018 I**	mg/Kg	0.24	0.0061	1	02/11/2022 16:00	02/13/2022 20:23	T
Benzidine	0.048 U	mg/Kg	0.24	0.048	1	02/11/2022 16:00	02/13/2022 20:23	T
Benzo[a]anthracene	**0.069 I**	mg/Kg	0.24	0.0056	1	02/11/2022 16:00	02/13/2022 20:23	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528012 **Date Collected:** 02/03/2022 13:20 **Matrix:** Soil
Sample ID: SB-28@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[a]pyrene	**0.089 I**	mg/Kg	0.24	0.0052	1	02/11/2022 16:00	02/13/2022 20:23	T
Benzo[b]fluoranthene	**0.15 I**	mg/Kg	0.24	0.0078	1	02/11/2022 16:00	02/13/2022 20:23	T
Benzo[g,h,i]perylene	**0.077 I**	mg/Kg	0.24	0.0046	1	02/11/2022 16:00	02/13/2022 20:23	T
Benzo[k]fluoranthene	0.0081 U	mg/Kg	0.24	0.0081	1	02/11/2022 16:00	02/13/2022 20:23	T
Butyl benzyl phthalate	0.034 U	mg/Kg	0.24	0.034	1	02/11/2022 16:00	02/13/2022 20:23	T
Chrysene	**0.089 I**	mg/Kg	0.24	0.0062	1	02/11/2022 16:00	02/13/2022 20:23	T
Di-n-Butyl Phthalate	0.051 U	mg/Kg	0.24	0.051	1	02/11/2022 16:00	02/13/2022 20:23	T
Di-n-octyl Phthalate	0.032 U	mg/Kg	0.24	0.032	1	02/11/2022 16:00	02/13/2022 20:23	T
Dibenzo[a,h]anthracene	**0.019 I**	mg/Kg	0.24	0.0047	1	02/11/2022 16:00	02/13/2022 20:23	T
Diethyl phthalate	0.047 U	mg/Kg	0.24	0.047	1	02/11/2022 16:00	02/13/2022 20:23	T
Dimethyl phthalate	0.046 U	mg/Kg	0.24	0.046	1	02/11/2022 16:00	02/13/2022 20:23	T
Fluoranthene	**0.14 I**	mg/Kg	0.24	0.059	1	02/11/2022 16:00	02/13/2022 20:23	T
Fluorene	**0.0057 I**	mg/Kg	0.24	0.0054	1	02/11/2022 16:00	02/13/2022 20:23	T
Hexachlorobenzene	0.072 U	mg/Kg	0.24	0.072	1	02/11/2022 16:00	02/13/2022 20:23	T
Hexachlorobutadiene	0.040 U	mg/Kg	0.24	0.040	1	02/11/2022 16:00	02/13/2022 20:23	T
Hexachlorocyclopentadiene	0.041 U	mg/Kg	0.24	0.041	1	02/11/2022 16:00	02/13/2022 20:23	T
Hexachloroethane	0.034 U	mg/Kg	0.24	0.034	1	02/11/2022 16:00	02/13/2022 20:23	T
Indeno(1,2,3-cd)pyrene	**0.077 I**	mg/Kg	0.24	0.0048	1	02/11/2022 16:00	02/13/2022 20:23	T
Isophorone	0.027 U	mg/Kg	0.24	0.027	1	02/11/2022 16:00	02/13/2022 20:23	T
N-Nitrosodi-n-propylamine	0.043 U	mg/Kg	0.24	0.043	1	02/11/2022 16:00	02/13/2022 20:23	T
N-Nitrosodimethylamine	0.011 U	mg/Kg	0.24	0.011	1	02/11/2022 16:00	02/13/2022 20:23	T
N-Nitrosodiphenylamine	0.032 U	mg/Kg	0.24	0.032	1	02/11/2022 16:00	02/13/2022 20:23	T
Naphthalene	0.0059 U	mg/Kg	0.24	0.0059	1	02/11/2022 16:00	02/13/2022 20:23	T
Nitrobenzene	0.059 U	mg/Kg	0.24	0.059	1	02/11/2022 16:00	02/13/2022 20:23	T
Pentachlorophenol	0.081 U	mg/Kg	0.24	0.081	1	02/11/2022 16:00	02/13/2022 20:23	T
Phenanthrene	**0.072 I**	mg/Kg	0.24	0.0069	1	02/11/2022 16:00	02/13/2022 20:23	T
Phenol	0.048 U	mg/Kg	0.24	0.048	1	02/11/2022 16:00	02/13/2022 20:23	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528012 **Date Collected:** 02/03/2022 13:20 **Matrix:** Soil
Sample ID: SB-28@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	**0.12 I**	mg/Kg	0.24	0.0053	1	02/11/2022 16:00	02/13/2022 20:23	T
bis(2-Chloroethoxy)methane	0.036 U	mg/Kg	0.24	0.036	1	02/11/2022 16:00	02/13/2022 20:23	T
bis(2-Chloroethyl)Ether	0.050 U	mg/Kg	0.24	0.050	1	02/11/2022 16:00	02/13/2022 20:23	T
bis(2-Chloroisopropyl) Ether	0.045 U	mg/Kg	0.24	0.045	1	02/11/2022 16:00	02/13/2022 20:23	T
bis(2-Ethylhexyl) phthalate	0.038 U	mg/Kg	0.24	0.038	1	02/11/2022 16:00	02/13/2022 20:23	T
(SM 2540G)								
Percent Moisture	**18**	%	0.001	0.0010	1	02/09/2022 09:30	02/09/2022 09:30	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1-Trichloroethane	0.00085 U	mg/Kg	0.0037	0.00085	1	02/08/2022 13:20	02/08/2022 16:07	T
1,1,2,2-Tetrachloroethane	0.00062 U	mg/Kg	0.0037	0.00062	1	02/08/2022 13:20	02/08/2022 16:07	T
1,1,2-Trichloroethane	0.00060 U	mg/Kg	0.0037	0.00060	1	02/08/2022 13:20	02/08/2022 16:07	T
1,1-Dichloroethane	0.00086 U	mg/Kg	0.0037	0.00086	1	02/08/2022 13:20	02/08/2022 16:07	T
1,1-Dichloroethylene	0.00090 U	mg/Kg	0.0037	0.00090	1	02/08/2022 13:20	02/08/2022 16:07	T
1,2-Dichlorobenzene	0.00058 U	mg/Kg	0.0037	0.00058	1	02/08/2022 13:20	02/08/2022 16:07	T
1,2-Dichloroethane	0.00096 U	mg/Kg	0.0037	0.00096	1	02/08/2022 13:20	02/08/2022 16:07	T
1,2-Dichloropropane	0.00066 U	mg/Kg	0.0037	0.00066	1	02/08/2022 13:20	02/08/2022 16:07	T
1,3-Dichlorobenzene	0.00068 U	mg/Kg	0.0037	0.00068	1	02/08/2022 13:20	02/08/2022 16:07	T
1,4-Dichlorobenzene	0.00081 U	mg/Kg	0.0037	0.00081	1	02/08/2022 13:20	02/08/2022 16:07	T
2-Chloroethyl Vinyl Ether	0.0032 U	mg/Kg	0.0037	0.0032	1	02/08/2022 13:20	02/08/2022 16:07	T
Acrolein (Propenal)	0.0076 U	mg/Kg	0.018	0.0076	1	02/08/2022 13:20	02/08/2022 16:07	T
Acrylonitrile	0.00064 U	mg/Kg	0.0037	0.00064	1	02/08/2022 13:20	02/08/2022 16:07	T
Benzene	0.00061 U	mg/Kg	0.0037	0.00061	1	02/08/2022 13:20	02/08/2022 16:07	T
Bromodichloromethane	0.00065 U	mg/Kg	0.0037	0.00065	1	02/08/2022 13:20	02/08/2022 16:07	T
Bromoform	0.0025 U	mg/Kg	0.0037	0.0025	1	02/08/2022 13:20	02/08/2022 16:07	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Lab ID: T2202528012 **Date Collected:** 02/03/2022 13:20 **Matrix:** Soil
Sample ID: SB-28@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Bromomethane	0.0015 U	mg/Kg	0.0037	0.0015	1	02/08/2022 13:20	02/08/2022 16:07	T
Carbon Tetrachloride	0.0010 U	mg/Kg	0.0037	0.0010	1	02/08/2022 13:20	02/08/2022 16:07	T
Chlorobenzene	0.00054 U	mg/Kg	0.0037	0.00054	1	02/08/2022 13:20	02/08/2022 16:07	T
Chloroethane	0.0018 U	mg/Kg	0.0037	0.0018	1	02/08/2022 13:20	02/08/2022 16:07	T
Chloroform	0.00075 U	mg/Kg	0.0037	0.00075	1	02/08/2022 13:20	02/08/2022 16:07	T
Chloromethane	0.00084 U	mg/Kg	0.0037	0.00084	1	02/08/2022 13:20	02/08/2022 16:07	T
Dibromochloromethane	0.0021 U	mg/Kg	0.0037	0.0021	1	02/08/2022 13:20	02/08/2022 16:07	T
Dichlorodifluoromethane	0.0013 U	mg/Kg	0.0037	0.0013	1	02/08/2022 13:20	02/08/2022 16:07	T
Ethylbenzene	0.00044 U	mg/Kg	0.0037	0.00044	1	02/08/2022 13:20	02/08/2022 16:07	T
Methyl tert-butyl Ether (MTBE)	0.0012 U	mg/Kg	0.0037	0.0012	1	02/08/2022 13:20	02/08/2022 16:07	T
Methylene Chloride	0.0049 U	mg/Kg	0.0061	0.0049	1	02/08/2022 13:20	02/08/2022 16:07	T
Tetrachloroethylene (PCE)	0.00070 U	mg/Kg	0.0037	0.00070	1	02/08/2022 13:20	02/08/2022 16:07	T
Toluene	0.00045 U	mg/Kg	0.0037	0.00045	1	02/08/2022 13:20	02/08/2022 16:07	T
Trichloroethene	0.00090 U	mg/Kg	0.0037	0.00090	1	02/08/2022 13:20	02/08/2022 16:07	T
Trichlorofluoromethane	0.00081 U	mg/Kg	0.0037	0.00081	1	02/08/2022 13:20	02/08/2022 16:07	T
Vinyl Chloride	0.00071 U	mg/Kg	0.0037	0.00071	1	02/08/2022 13:20	02/08/2022 16:07	T
Xylene (Total)	0.0016 U	mg/Kg	0.0073	0.0016	1	02/08/2022 13:20	02/08/2022 16:07	T
cis-1,2-Dichloroethylene	0.00072 U	mg/Kg	0.0037	0.00072	1	02/08/2022 13:20	02/08/2022 16:07	T
cis-1,3-Dichloropropene	0.0026 U	mg/Kg	0.0037	0.0026	1	02/08/2022 13:20	02/08/2022 16:07	T
trans-1,2-Dichloroethylene	0.00074 U	mg/Kg	0.0037	0.00074	1	02/08/2022 13:20	02/08/2022 16:07	T
trans-1,3-Dichloropropylene	0.0022 U	mg/Kg	0.0037	0.0022	1	02/08/2022 13:20	02/08/2022 16:07	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

Analytical Results

Analysis Results Comments

Decachlorobiphenyl

J4|Estimated Result

Lead

J4|Estimated Result

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	50	54	108	69 - 134	T
Toluene-d8 (S)	ug/Kg	50	49	98	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	50	60	119	79 - 126	T
2-Fluorobiphenyl (S)	mg/Kg	0.42	0.31	74	37 - 127	T
Nitrobenzene-d5 (S)	mg/Kg	0.42	0.40	96	33 - 134	T
p-Terphenyl-d14 (S)	mg/Kg	0.42	0.39	93	42 - 141	T
Nonatricontane-C39 (S)	mg/Kg	6.30	4.80	77	36 - 132	T
o-Terphenyl (S)	mg/Kg	2.10	1.40	69	66 - 136	T
Tetrachloro-m-xylene (S)	ug/Kg	140	120	80	42 - 129	M
Decachlorobiphenyl (S)	ug/Kg	72	35	**48**	63 - 130	M
2,4,6-Tribromophenol (S)	mg/Kg	2	1.80	89	39 - 132	T
Phenol-d6 (S)	mg/Kg	2	1.60	79	33 - 122	T
2-Fluorobiphenyl (S)	mg/Kg	2	1.50	74	44 - 115	T
2-Fluorophenol (S)	mg/Kg	2	1.60	80	35 - 115	T
Nitrobenzene-d5 (S)	mg/Kg	2	1.70	87	37 - 122	T
p-Terphenyl-d14 (S)	mg/Kg	2	1.70	86	54 - 127	T
Decachlorobiphenyl (S)	ug/Kg	72	35	**48**	61 - 147	M
Tetrachloro-m-xylene (S)	ug/Kg	140	120	80	44 - 130	M

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

QC Results

QC Batch: GCSm/1896 **Analysis Method:** EPA 8081
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202528001, T2202528002, T2202528003, T2202528004, T2202528005, T2202528006, T2202528007

Method Blank(4194826)

Parameter	Results	Units	PQL	MDL	Lab
alpha-BHC	0.0010 U	mg/Kg	0.0016	0.0010	M
gamma-BHC (Lindane)	0.0010 U	mg/Kg	0.0016	0.0010	M
beta-BHC	0.0010 U	mg/Kg	0.0016	0.0010	M
delta-BHC	0.0010 U	mg/Kg	0.0016	0.0010	M
Heptachlor	0.0010 U	mg/Kg	0.0016	0.0010	M
Aldrin	0.0010 U	mg/Kg	0.0016	0.0010	M
Heptachlor Epoxide	0.0010 U	mg/Kg	0.0016	0.0010	M
Endosulfan I	0.0010 U	mg/Kg	0.0016	0.0010	M
4,4`-DDE	0.0010 U	mg/Kg	0.0016	0.0010	M
Dieldrin	0.0010 U	mg/Kg	0.0016	0.0010	M
Endrin	0.0010 U	mg/Kg	0.0016	0.0010	M
4,4`-DDD	0.0010 U	mg/Kg	0.0016	0.0010	M
Endosulfan II	0.0010 U	mg/Kg	0.0016	0.0010	M
Endrin Aldehyde	0.0010 U	mg/Kg	0.0016	0.0010	M
4,4`-DDT	0.0010 U	mg/Kg	0.0016	0.0010	M
Endosulfan Sulfate	0.0010 U	mg/Kg	0.0016	0.0010	M
Methoxychlor	0.0010 U	mg/Kg	0.0016	0.0010	M
Chlordane (technical)	0.0094 U	mg/Kg	0.032	0.0094	M
Toxaphene	0.010 U	mg/Kg	0.032	0.010	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0790	0.05	**59**	63 - 130	
Tetrachloro-m-xylene (S)	mg/L	0.16	0.13	81	42 - 129	

Lab Control Sample (4194827)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
alpha-BHC	mg/Kg	0.0150	.01	90	45 - 137	M
gamma-BHC (Lindane)	mg/Kg	0.0150	.01	88	49 - 135	M
beta-BHC	mg/Kg	0.0150	.01	89	50 - 136	M
delta-BHC	mg/Kg	0.0150	.01	85	47 - 139	M

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

QC Batch: GCSm/1896 **Analysis Method:** EPA 8081
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202528001, T2202528002, T2202528003, T2202528004, T2202528005, T2202528006, T2202528007

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Heptachlor	mg/Kg	0.0150	.02	97	47 - 136	M
Aldrin	mg/Kg	0.0150	.02	96	45 - 136	M
Heptachlor Epoxide	mg/Kg	0.0150	.02	97	52 - 136	M
Endosulfan I	mg/Kg	0.0150	.02	96	53 - 132	M
4,4`-DDE	mg/Kg	0.0150	.01	80	56 - 134	M
Dieldrin	mg/Kg	0.0150	.01	93	56 - 136	M
Endrin	mg/Kg	0.0150	.01	70	57 - 140	M
4,4`-DDD	mg/Kg	0.0150	.01	85	56 - 139	M
Endosulfan II	mg/Kg	0.0150	.01	84	53 - 134	M
Endrin Aldehyde	mg/Kg	0.0150	.01	77	35 - 137	M
4,4`-DDT	mg/Kg	0.0150	.01	76	50 - 141	M
Endosulfan Sulfate	mg/Kg	0.0150	.01	84	55 - 136	M
Methoxychlor	mg/Kg	0.0150	.01	83	52 - 143	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0770	0.06	83	63 - 130	
Tetrachloro-m-xylene (S)	mg/L	0.15	0.12	78	42 - 129	

Matrix Spike (4194828); Matrix Spike Duplicate (4194829); Parent Lab Sample (T2202524001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
alpha-BHC	mg/Kg	0.0160	.01	84	45 - 137	.01	83	3	30	M
gamma-BHC (Lindane)	mg/Kg	0.0160	.01	79	49 - 135	.01	79	2	30	M
beta-BHC	mg/Kg	0.0160	.02	104	50 - 136	.02	102	4	30	M
delta-BHC	mg/Kg	0.0160	.01	**35**	47 - 139	0	**24**	**39**	30	M
Heptachlor	mg/Kg	0.0160	.01	92	47 - 136	.01	94	0	30	M
Aldrin	mg/Kg	0.0160	.02	98	45 - 136	.02	97	4	30	M
Heptachlor Epoxide	mg/Kg	0.0160	.01	91	52 - 136	.01	92	2	30	M
Endosulfan I	mg/Kg	0.0160	.02	106	53 - 132	.02	105	3	30	M
4,4`-DDE	mg/Kg	0.0160	.02	64	56 - 134	.02	63	3	30	M
Dieldrin	mg/Kg	0.0160	.02	88	56 - 136	.02	89	1	30	M
Endrin	mg/Kg	0.0160	.02	82	57 - 140	.02	81	4	30	M
4,4`-DDD	mg/Kg	0.0160	.02	114	56 - 139	.02	114	2	30	M
Endosulfan II	mg/Kg	0.0160	.01	91	53 - 134	.01	90	3	30	M
Endrin Aldehyde	mg/Kg	0.0160	.01	72	35 - 137	.01	71	4	30	M

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

QC Batch: GCSm/1896 **Analysis Method:** EPA 8081
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202528001, T2202528002, T2202528003, T2202528004, T2202528005, T2202528006, T2202528007

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
4,4`-DDT	mg/Kg	0.0160	.01	**0**	50 - 141	.01	**-4**	4	30	M
Endosulfan Sulfate	mg/Kg	0.0160	.01	76	55 - 136	.01	73	7	30	M
Methoxychlor	mg/Kg	0.0160	.02	99	52 - 143	.01	86	17	30	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Decachlorobiphenyl (S)	mg/L	0.0790	0.06	77	63 - 130	0.05	69	14		
Tetrachloro-m-xylene (S)	mg/L	0.16	0.20	125	42 - 129	0.19	122	5		

QC Result Comments

Matrix Spike - 4194828 - 4,4`-DDT

J4|Estimated Result

Matrix Spike - 4194828 - delta-BHC

J4|Estimated Result

Matrix Spike Duplicate - 4194829 - 4,4`-DDT

J4|Estimated Result

Matrix Spike Duplicate - 4194829 - delta-BHC

J4|Estimated Result

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

QC Results

QC Batch: GCSm/1897 **Analysis Method:** SW-846 8082A
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202528001, T2202528002, T2202528003, T2202528004, T2202528005, T2202528006, T2202528007

Method Blank(4194845)

Parameter	Results	Units	PQL	MDL	Lab
Aroclor 1016 (PCB-1016)	0.019 U	mg/Kg	0.032	0.019	M
Aroclor 1221 (PCB-1221)	0.022 U	mg/Kg	0.032	0.022	M
Aroclor 1232 (PCB-1232)	0.030 U	mg/Kg	0.032	0.030	M
Aroclor 1242 (PCB-1242)	0.024 U	mg/Kg	0.032	0.024	M
Aroclor 1248 (PCB-1248)	0.011 U	mg/Kg	0.032	0.011	M
Aroclor 1254 (PCB-1254)	0.0064 U	mg/Kg	0.032	0.0064	M
Aroclor 1260 (PCB-1260)	0.038 U	mg/Kg	0.064	0.038	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0790	0.05	**59**	61 - 147	
Tetrachloro-m-xylene (S)	mg/L	0.16	0.13	81	44 - 130	

Lab Control Sample (4194846)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Aroclor 1016 (PCB-1016)	mg/Kg	0.15	.17	109	47 - 134	M
Aroclor 1260 (PCB-1260)	mg/Kg	0.15	.19	122	53 - 140	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0770	0.06	81	61 - 147	
Tetrachloro-m-xylene (S)	mg/L	0.15	0.18	117	44 - 130	

Matrix Spike (4194847); Matrix Spike Duplicate (4194848); Parent Lab Sample (T2202524001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Aroclor 1016 (PCB-1016)	mg/Kg	0.16	.19	118	47 - 134	.17	108	11		M
Aroclor 1260 (PCB-1260)	mg/Kg	0.16	.21	136	53 - 140	.13	87	47		M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Decachlorobiphenyl (S)	mg/L	0.0790	0.06	72	61 - 147	0.04	54	31		
Tetrachloro-m-xylene (S)	mg/L	0.16	0.19	118	44 - 130	0.12	79	42		

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

QC Results

QC Batch: GCSm/1899 **Analysis Method:** EPA 8081
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202528008, T2202528009, T2202528010, T2202528011, T2202528012

Method Blank(4195059)

Parameter	Results	Units	PQL	MDL	Lab
alpha-BHC	0.00099 U	mg/Kg	0.0015	0.00099	M
gamma-BHC (Lindane)	0.00099 U	mg/Kg	0.0015	0.00099	M
beta-BHC	0.00099 U	mg/Kg	0.0015	0.00099	M
delta-BHC	0.00099 U	mg/Kg	0.0015	0.00099	M
Heptachlor	0.00099 U	mg/Kg	0.0015	0.00099	M
Aldrin	0.00099 U	mg/Kg	0.0015	0.00099	M
Heptachlor Epoxide	0.00099 U	mg/Kg	0.0015	0.00099	M
Endosulfan I	0.00099 U	mg/Kg	0.0015	0.00099	M
4,4`-DDE	0.00099 U	mg/Kg	0.0015	0.00099	M
Dieldrin	0.00099 U	mg/Kg	0.0015	0.00099	M
Endrin	0.00099 U	mg/Kg	0.0015	0.00099	M
4,4`-DDD	0.00099 U	mg/Kg	0.0015	0.00099	M
Endosulfan II	0.00099 U	mg/Kg	0.0015	0.00099	M
Endrin Aldehyde	0.00099 U	mg/Kg	0.0015	0.00099	M
4,4`-DDT	0.00099 U	mg/Kg	0.0015	0.00099	M
Endosulfan Sulfate	0.00099 U	mg/Kg	0.0015	0.00099	M
Methoxychlor	0.00099 U	mg/Kg	0.0015	0.00099	M
Chlordane (technical)	0.0090 U	mg/Kg	0.030	0.0090	M
Toxaphene	0.0098 U	mg/Kg	0.030	0.0098	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0760	0.04	**53**	63 - 130	
Tetrachloro-m-xylene (S)	mg/L	0.15	0.12	79	42 - 129	

Lab Control Sample (4195060)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
alpha-BHC	mg/Kg	0.0160	.01	74	45 - 137	M
gamma-BHC (Lindane)	mg/Kg	0.0160	.01	73	49 - 135	M
beta-BHC	mg/Kg	0.0160	.01	72	50 - 136	M
delta-BHC	mg/Kg	0.0160	.01	70	47 - 139	M
Heptachlor	mg/Kg	0.0160	.01	84	47 - 136	M
Aldrin	mg/Kg	0.0160	.01	82	45 - 136	M

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

QC Batch: GCSm/1899 **Analysis Method:** EPA 8081
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202528008, T2202528009, T2202528010, T2202528011, T2202528012

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Heptachlor Epoxide	mg/Kg	0.0160	.02	91	52 - 136	M
Endosulfan I	mg/Kg	0.0160	.01	82	53 - 132	M
4,4`-DDE	mg/Kg	0.0160	.01	69	56 - 134	M
Dieldrin	mg/Kg	0.0160	.01	76	56 - 136	M
Endrin	mg/Kg	0.0160	.01	62	57 - 140	M
4,4`-DDD	mg/Kg	0.0160	.01	70	56 - 139	M
Endosulfan II	mg/Kg	0.0160	.01	70	53 - 134	M
Endrin Aldehyde	mg/Kg	0.0160	.01	65	35 - 137	M
4,4`-DDT	mg/Kg	0.0160	.01	64	50 - 141	M
Endosulfan Sulfate	mg/Kg	0.0160	.01	70	55 - 136	M
Methoxychlor	mg/Kg	0.0160	.01	69	52 - 143	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0810	0.06	78	63 - 130	
Tetrachloro-m-xylene (S)	mg/L	0.16	0.11	70	42 - 129	

Matrix Spike (4195061); Matrix Spike Duplicate (4195062); Parent Lab Sample (T2202528008)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
alpha-BHC	mg/Kg	0.0160	.01	84	45 - 137	.01	83	2	30	M
gamma-BHC (Lindane)	mg/Kg	0.0160	.01	86	49 - 135	.01	86	1	30	M
beta-BHC	mg/Kg	0.0160	.02	104	50 - 136	.02	102	3	30	M
delta-BHC	mg/Kg	0.0160	.01	**35**	47 - 139	0	**24**	**37**	30	M
Heptachlor	mg/Kg	0.0160	.01	92	47 - 136	.02	94	1	30	M
Aldrin	mg/Kg	0.0160	.02	98	45 - 136	.02	97	3	30	M
Heptachlor Epoxide	mg/Kg	0.0160	.01	91	52 - 136	.01	92	0	30	M
Endosulfan I	mg/Kg	0.0160	.02	106	53 - 132	.02	105	2	30	M
4,4`-DDE	mg/Kg	0.0160	.02	96	56 - 134	.02	96	2	30	M
Dieldrin	mg/Kg	0.0160	.02	100	56 - 136	.02	101	0	30	M
Endrin	mg/Kg	0.0160	.02	97	57 - 140	.02	96	2	30	M
4,4`-DDD	mg/Kg	0.0160	.02	114	56 - 139	.02	114	1	30	M
Endosulfan II	mg/Kg	0.0160	.01	91	53 - 134	.01	90	2	30	M
Endrin Aldehyde	mg/Kg	0.0160	.01	72	35 - 137	.01	71	3	30	M
4,4`-DDT	mg/Kg	0.0160	.01	91	50 - 141	.01	90	2	30	M
Endosulfan Sulfate	mg/Kg	0.0160	.01	76	55 - 136	.01	73	6	30	M

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

QC Batch: GCSm/1899 **Analysis Method:** EPA 8081
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202528008, T2202528009, T2202528010, T2202528011, T2202528012

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Methoxychlor	mg/Kg	0.0160	.02	99	52 - 143	.01	86	16	30	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Decachlorobiphenyl (S)	mg/L	0.0790	0.06	77	63 - 130	0.05	69	13		
Tetrachloro-m-xylene (S)	mg/L	0.16	0.20	125	42 - 129	0.19	122	4		

QC Result Comments

Matrix Spike - 4195061 - delta-BHC

J4|Estimated Result

Matrix Spike Duplicate - 4195062 - delta-BHC

J4|Estimated Result

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

QC Results

QC Batch: GCSm/1900 **Analysis Method:** SW-846 8082A
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202528008, T2202528009, T2202528010, T2202528011, T2202528012

Method Blank(4195065)

Parameter	Results	Units	PQL	MDL	Lab
Aroclor 1016 (PCB-1016)	0.018 U	mg/Kg	0.030	0.018	M
Aroclor 1221 (PCB-1221)	0.021 U	mg/Kg	0.030	0.021	M
Aroclor 1232 (PCB-1232)	0.029 U	mg/Kg	0.030	0.029	M
Aroclor 1242 (PCB-1242)	0.023 U	mg/Kg	0.030	0.023	M
Aroclor 1248 (PCB-1248)	0.011 U	mg/Kg	0.030	0.011	M
Aroclor 1254 (PCB-1254)	0.0061 U	mg/Kg	0.030	0.0061	M
Aroclor 1260 (PCB-1260)	0.036 U	mg/Kg	0.061	0.036	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0760	0.04	**53**	61 - 147	
Tetrachloro-m-xylene (S)	mg/L	0.15	0.12	79	44 - 130	

Lab Control Sample (4195066)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Aroclor 1016 (PCB-1016)	mg/Kg	0.16	.16	102	47 - 134	M
Aroclor 1260 (PCB-1260)	mg/Kg	0.16	.17	111	53 - 140	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0780	0.04	**53**	61 - 147	
Tetrachloro-m-xylene (S)	mg/L	0.16	0.13	83	44 - 130	

Matrix Spike (4195067); Matrix Spike Duplicate (4195068); Parent Lab Sample (T2202528009)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Aroclor 1016 (PCB-1016)	mg/Kg	0.16	.2	128	47 - 134	.14	92	32		M
Aroclor 1260 (PCB-1260)	mg/Kg	0.16	.21	134	53 - 140	.13	85	45		M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Decachlorobiphenyl (S)	mg/L	0.0780	0.05	68	61 - 147	0.04	55	20		
Tetrachloro-m-xylene (S)	mg/L	0.16	0.21	**136**	44 - 130	0.15	97	33		

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

QC Results

QC Batch: GCSt/2043 **Analysis Method:** FL-PRO
Preparation Method: FL-PRO
Associated Lab IDs: T2202528001, T2202528002, T2202528003, T2202528004, T2202528005, T2202528006, T2202528007, T2202528008, T2202528009, T2202528010, T2202528011, T2202528012

Method Blank(4197585)

Parameter	Results	Units	PQL	MDL	Lab
TPH	4.8 U	mg/Kg	14	4.8	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Nonatricontane-C39 (S)	mg/L	6	5.10	85	36 - 132	
o-Terphenyl (S)	mg/L	2	1.40	69	66 - 136	

Lab Control Sample (4197586)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
TPH	mg/Kg	34	28	83	49 - 128	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Nonatricontane-C39 (S)	mg/L	6	5.70	95	36 - 132	
o-Terphenyl (S)	mg/L	2	1.50	76	66 - 136	

Matrix Spike (4197587); Matrix Spike Duplicate (4197588); Parent Lab Sample (T2202642001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
TPH	mg/Kg	34	32	68	49 - 128	32	70	0	25	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	6	5.60	93	36 - 132	5.50	93	2	25	
o-Terphenyl (S)	mg/L	2	1.40	70	66 - 136	1.40	70	2	25	

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

QC Results

QC Batch: ICPt/2341 **Analysis Method:** SW-846 6010
Preparation Method: SW-846 3050B
Associated Lab IDs: T2202528001, T2202528002, T2202528003, T2202528004, T2202528005, T2202528006, T2202528007, T2202528008, T2202528009, T2202528010, T2202528011

Method Blank(4197988)

Parameter	Results	Units	PQL	MDL	Lab
Arsenic	0.12 U	mg/Kg	0.25	0.12	T
Cadmium	0.025 U	mg/Kg	0.050	0.025	T
Chromium	0.20 U	mg/Kg	0.25	0.20	T
Lead	0.12 U	mg/Kg	0.25	0.12	T

Lab Control Sample (4197989)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Arsenic	mg/Kg	25	25	99	80 - 120	T
Cadmium	mg/Kg	2.50	2.8	110	80 - 120	T
Chromium	mg/Kg	25	28	110	80 - 120	T
Lead	mg/Kg	25	27	109	80 - 120	T

Matrix Spike (4197990); Matrix Spike Duplicate (4197991); Parent Lab Sample (T2202524004)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Arsenic	mg/Kg	25	22	90	75 - 125	21	89	3	20	T
Cadmium	mg/Kg	2.50	2.7	109	75 - 125	2.6	108	4	20	T
Chromium	mg/Kg	25	28	105	75 - 125	27	103	4	20	T
Lead	mg/Kg	25	43	113	75 - 125	42	110	4	20	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

QC Results

QC Batch: ICPt/2342
Preparation Method: SW-846 3050B
Associated Lab IDs: T2202528012
Analysis Method: SW-846 6010

Method Blank(4197997)

Parameter	Results	Units	PQL	MDL	Lab
Arsenic	0.12 U	mg/Kg	0.25	0.12	T
Cadmium	0.025 U	mg/Kg	0.050	0.025	T
Chromium	0.20 U	mg/Kg	0.25	0.20	T
Lead	0.12 U	mg/Kg	0.25	0.12	T

Lab Control Sample (4197998)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Arsenic	mg/Kg	25	24	97	80 - 120	T
Cadmium	mg/Kg	2.50	2.7	109	80 - 120	T
Chromium	mg/Kg	25	27	110	80 - 120	T
Lead	mg/Kg	25	27	107	80 - 120	T

Matrix Spike (4197999); Matrix Spike Duplicate (4198000); Parent Lab Sample (T2202528012)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Arsenic	mg/Kg	25	20	75	75 - 125	20	76	0	20	T
Cadmium	mg/Kg	2.50	2.6	86	75 - 125	2.6	87	1	20	T
Chromium	mg/Kg	25	26	83	75 - 125	26	84	0	20	T
Lead	mg/Kg	25	49	**70**	75 - 125	49	**70**	0	20	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

QC Results

QC Batch: MSSt/1673 **Analysis Method:** SW-846 8270C (SIM)
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202528001, T2202528002, T2202528003, T2202528004, T2202528005, T2202528006, T2202528007, T2202528008, T2202528009, T2202528010, T2202528011, T2202528012

Method Blank(4197567)

Parameter	Results	Units	PQL	MDL	Lab
Naphthalene	0.0016 U	mg/Kg	0.0080	0.0016	T
2-Methylnaphthalene	0.0020 U	mg/Kg	0.0080	0.0020	T
1-Methylnaphthalene	0.0015 U	mg/Kg	0.0080	0.0015	T
Acenaphthylene	0.0017 U	mg/Kg	0.0080	0.0017	T
Acenaphthene	0.0015 U	mg/Kg	0.0080	0.0015	T
Fluorene	0.0021 U	mg/Kg	0.0080	0.0021	T
Phenanthrene	0.0021 U	mg/Kg	0.0080	0.0021	T
Anthracene	0.0024 U	mg/Kg	0.0080	0.0024	T
Fluoranthene	0.0027 U	mg/Kg	0.0080	0.0027	T
Pyrene	0.0023 U	mg/Kg	0.0080	0.0023	T
Benzo[a]anthracene	0.0019 U	mg/Kg	0.0080	0.0019	T
Chrysene	0.0028 U	mg/Kg	0.0080	0.0028	T
Benzo[b]fluoranthene	0.0015 U	mg/Kg	0.0080	0.0015	T
Benzo[k]fluoranthene	0.0023 U	mg/Kg	0.0080	0.0023	T
Benzo[a]pyrene	0.0016 U	mg/Kg	0.0080	0.0016	T
Indeno(1,2,3-cd)pyrene	0.0023 U	mg/Kg	0.0080	0.0023	T
Dibenzo[a,h]anthracene	0.0016 U	mg/Kg	0.0080	0.0016	T
Benzo[g,h,i]perylene	0.0019 U	mg/Kg	0.0080	0.0019	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2-Fluorobiphenyl (S)	mg/L	0.40	0.23	56	37 - 127	
Nitrobenzene-d5 (S)	mg/L	0.40	0.30	74	33 - 134	
p-Terphenyl-d14 (S)	mg/L	0.40	0.31	78	42 - 141	

Lab Control Sample (4197568)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Naphthalene	mg/Kg	0.20	.13	65	38 - 120	T
2-Methylnaphthalene	mg/Kg	0.20	.15	75	39 - 120	T
1-Methylnaphthalene	mg/Kg	0.20	.14	71	43 - 120	T
Acenaphthylene	mg/Kg	0.20	.14	69	39 - 118	T
Acenaphthene	mg/Kg	0.20	.16	78	44 - 117	T
Fluorene	mg/Kg	0.20	.14	71	47 - 121	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

QC Batch: MSSt/1673 **Analysis Method:** SW-846 8270C (SIM)
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202528001, T2202528002, T2202528003, T2202528004, T2202528005, T2202528006, T2202528007, T2202528008, T2202528009, T2202528010, T2202528011, T2202528012

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Phenanthrene	mg/Kg	0.20	.18	88	49 - 122	T
Anthracene	mg/Kg	0.20	.19	97	50 - 123	T
Fluoranthene	mg/Kg	0.20	.18	92	51 - 126	T
Pyrene	mg/Kg	0.20	.22	109	51 - 127	T
Benzo[a]anthracene	mg/Kg	0.20	.2	102	52 - 126	T
Chrysene	mg/Kg	0.20	.21	105	52 - 128	T
Benzo[b]fluoranthene	mg/Kg	0.20	.19	96	43 - 132	T
Benzo[k]fluoranthene	mg/Kg	0.20	.2	102	46 - 133	T
Benzo[a]pyrene	mg/Kg	0.20	.18	91	42 - 129	T
Indeno(1,2,3-cd)pyrene	mg/Kg	0.20	.22	109	39 - 135	T
Dibenzo[a,h]anthracene	mg/Kg	0.20	.24	120	40 - 139	T
Benzo[g,h,i]perylene	mg/Kg	0.20	.24	122	41 - 133	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2-Fluorobiphenyl (S)	mg/L	0.40	0.26	66	37 - 127	
Nitrobenzene-d5 (S)	mg/L	0.40	0.34	85	33 - 134	
p-Terphenyl-d14 (S)	mg/L	0.40	0.44	110	42 - 141	

Matrix Spike (4197569); Matrix Spike Duplicate (4197570); Parent Lab Sample (T2202642001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Naphthalene	mg/Kg	0.20	.16	80	38 - 120	.17	81	4	30	T
2-Methylnaphthalene	mg/Kg	0.20	.19	93	39 - 120	.19	93	3	30	T
1-Methylnaphthalene	mg/Kg	0.20	.17	87	43 - 120	.18	88	4	30	T
Acenaphthylene	mg/Kg	0.20	.17	84	39 - 118	.18	87	5	30	T
Acenaphthene	mg/Kg	0.20	.19	93	44 - 117	.19	95	4	30	T
Fluorene	mg/Kg	0.20	.17	85	47 - 121	.18	86	3	30	T
Phenanthrene	mg/Kg	0.20	.18	92	49 - 122	.2	96	6	30	T
Anthracene	mg/Kg	0.20	.19	97	50 - 123	.21	102	7	30	T
Fluoranthene	mg/Kg	0.20	.18	90	51 - 126	.19	94	6	30	T
Pyrene	mg/Kg	0.20	.21	105	51 - 127	.22	109	6	30	T
Benzo[a]anthracene	mg/Kg	0.20	.2	99	52 - 126	.21	104	7	30	T
Chrysene	mg/Kg	0.20	.19	97	52 - 128	.2	100	5	30	T
Benzo[b]fluoranthene	mg/Kg	0.20	.18	92	43 - 132	.19	94	4	30	T
Benzo[k]fluoranthene	mg/Kg	0.20	.18	93	46 - 133	.2	96	6	30	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

QC Batch: MSSt/1673 **Analysis Method:** SW-846 8270C (SIM)
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202528001, T2202528002, T2202528003, T2202528004, T2202528005, T2202528006, T2202528007, T2202528008, T2202528009, T2202528010, T2202528011, T2202528012

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Benzo[a]pyrene	mg/Kg	0.20	.17	85	42 - 129	.18	88	5	30	T
Indeno(1,2,3-cd)pyrene	mg/Kg	0.20	.22	110	39 - 135	.22	106	1	30	T
Dibenzo[a,h]anthracene	mg/Kg	0.20	.22	110	40 - 139	.22	108	0	30	T
Benzo[g,h,i]perylene	mg/Kg	0.20	.22	112	41 - 133	.23	111	2	30	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
2-Fluorobiphenyl (S)	mg/L	0.40	0.32	79	37 - 127	0.33	80	4	30	
Nitrobenzene-d5 (S)	mg/L	0.40	0.42	106	33 - 134	0.44	107	3	30	
p-Terphenyl-d14 (S)	mg/L	0.40	0.40	99	42 - 141	0.42	104	7	30	

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

QC Results

QC Batch: MSSt/1674 **Analysis Method:** SW-846 8270C
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202528001, T2202528002, T2202528003, T2202528004, T2202528005, T2202528006

Method Blank(4197426)

Parameter	Results	Units	PQL	MDL	Lab
Phenol	0.039 U	mg/Kg	0.20	0.039	T
2-Chlorophenol	0.036 U	mg/Kg	0.20	0.036	T
2-Nitrophenol	0.044 U	mg/Kg	0.20	0.044	T
2,4-Dimethylphenol	0.042 U	mg/Kg	0.20	0.042	T
2,4-Dichlorophenol	0.042 U	mg/Kg	0.20	0.042	T
4-Chloro-3-methylphenol	0.042 U	mg/Kg	0.20	0.042	T
2,4,6-Trichlorophenol	0.037 U	mg/Kg	0.20	0.037	T
2,4-Dinitrophenol	0.12 U	mg/Kg	0.20	0.12	T
4-Nitrophenol	0.056 U	mg/Kg	0.20	0.056	T
2-Methyl-4,6-dinitrophenol	0.045 U	mg/Kg	0.20	0.045	T
Pentachlorophenol	0.067 U	mg/Kg	0.20	0.067	T
N-Nitrosodimethylamine	0.0090 U	mg/Kg	0.20	0.0090	T
bis(2-Chloroethyl)Ether	0.041 U	mg/Kg	0.20	0.041	T
1,3-Dichlorobenzene	0.021 U	mg/Kg	0.20	0.021	T
1,4-Dichlorobenzene	0.045 U	mg/Kg	0.20	0.045	T
1,2-Dichlorobenzene	0.040 U	mg/Kg	0.20	0.040	T
bis(2-Chloroisopropyl) Ether	0.037 U	mg/Kg	0.20	0.037	T
N-Nitrosodi-n-propylamine	0.036 U	mg/Kg	0.20	0.036	T
Hexachloroethane	0.028 U	mg/Kg	0.20	0.028	T
Nitrobenzene	0.048 U	mg/Kg	0.20	0.048	T
Isophorone	0.022 U	mg/Kg	0.20	0.022	T
bis(2-Chloroethoxy)methane	0.029 U	mg/Kg	0.20	0.029	T
1,2,4-Trichlorobenzene	0.030 U	mg/Kg	0.20	0.030	T
Naphthalene	0.0048 U	mg/Kg	0.20	0.0048	T
Hexachlorobutadiene	0.033 U	mg/Kg	0.20	0.033	T
2-Methylnaphthalene	0.0048 U	mg/Kg	0.20	0.0048	T
1-Methylnaphthalene	0.0039 U	mg/Kg	0.20	0.0039	T
Hexachlorocyclopentadiene	0.033 U	mg/Kg	0.20	0.033	T
2-Chloronaphthalene	0.039 U	mg/Kg	0.20	0.039	T
Dimethyl phthalate	0.038 U	mg/Kg	0.20	0.038	T
2,6-Dinitrotoluene (2,6-DNT)	0.050 U	mg/Kg	0.20	0.050	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

QC Batch: MSSt/1674 **Analysis Method:** SW-846 8270C
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202528001, T2202528002, T2202528003, T2202528004, T2202528005, T2202528006

Parameter	Results	Units	PQL	MDL	Lab
Acenaphthylene	0.0051 U	mg/Kg	0.20	0.0051	T
Acenaphthene	0.0046 U	mg/Kg	0.20	0.0046	T
2,4-Dinitrotoluene (2,4-DNT)	0.063 U	mg/Kg	0.20	0.063	T
Diethyl phthalate	0.039 U	mg/Kg	0.20	0.039	T
Fluorene	0.0044 U	mg/Kg	0.20	0.0044	T
4-Chlorophenyl Phenyl Ether	0.044 U	mg/Kg	0.20	0.044	T
1,2-Diphenylhydrazine	0.077 U	mg/Kg	0.20	0.077	T
4-Bromophenyl Phenyl Ether	0.051 U	mg/Kg	0.20	0.051	T
Hexachlorobenzene	0.059 U	mg/Kg	0.20	0.059	T
Phenanthrene	0.0057 U	mg/Kg	0.20	0.0057	T
Anthracene	0.0050 U	mg/Kg	0.20	0.0050	T
Di-n-Butyl Phthalate	0.042 U	mg/Kg	0.20	0.042	T
Fluoranthene	0.048 U	mg/Kg	0.20	0.048	T
Benzidine	0.040 U	mg/Kg	0.20	0.040	T
Pyrene	0.0043 U	mg/Kg	0.20	0.0043	T
Butyl benzyl phthalate	0.028 U	mg/Kg	0.20	0.028	T
Benzo[a]anthracene	0.0046 U	mg/Kg	0.20	0.0046	T
3,3`-Dichlorobenzidine	0.027 U	mg/Kg	0.20	0.027	T
Chrysene	0.0051 U	mg/Kg	0.20	0.0051	T
bis(2-Ethylhexyl) phthalate	0.031 U	mg/Kg	0.20	0.031	T
Di-n-octyl Phthalate	0.026 U	mg/Kg	0.20	0.026	T
Benzo[b]fluoranthene	0.0064 U	mg/Kg	0.20	0.0064	T
Benzo[k]fluoranthene	0.0067 U	mg/Kg	0.20	0.0067	T
Benzo[a]pyrene	0.0043 U	mg/Kg	0.20	0.0043	T
Indeno(1,2,3-cd)pyrene	0.0039 U	mg/Kg	0.20	0.0039	T
Dibenzo[a,h]anthracene	0.0038 U	mg/Kg	0.20	0.0038	T
Benzo[g,h,i]perylene	0.0037 U	mg/Kg	0.20	0.0037	T
N-Nitrosodiphenylamine	0.026 U	mg/Kg	0.20	0.026	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2,4,6-Tribromophenol (S)	mg/L	2	1.80	90	39 - 132	
2-Fluorobiphenyl (S)	mg/L	2	1.40	68	44 - 115	
2-Fluorophenol (S)	mg/L	2	1.50	73	35 - 115	

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

QC Batch: MSSt/1674 **Analysis Method:** SW-846 8270C
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202528001, T2202528002, T2202528003, T2202528004, T2202528005, T2202528006

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Nitrobenzene-d5 (S)	mg/L	2	1.50	75	37 - 122	
Phenol-d6 (S)	mg/L	2	1.50	74	33 - 122	
p-Terphenyl-d14 (S)	mg/L	2	2	98	54 - 127	

Lab Control Sample (4197427)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
N-Nitrosodimethylamine	mg/Kg	1.60	1.2	78		T
Phenol	mg/Kg	1.60	1.3	79	34 - 121	T
bis(2-Chloroethyl)Ether	mg/Kg	1.60	1.2	78		T
2-Chlorophenol	mg/Kg	1.60	1.3	79		T
1,3-Dichlorobenzene	mg/Kg	1.60	1.2	73		T
1,4-Dichlorobenzene	mg/Kg	1.60	1.1	71	37 - 132	T
1,2-Dichlorobenzene	mg/Kg	1.60	1.2	75		T
bis(2-Chloroisopropyl) Ether	mg/Kg	1.60	1.4	88		T
N-Nitrosodi-n-propylamine	mg/Kg	1.60	1.3	81		T
Hexachloroethane	mg/Kg	1.60	1.2	78	28 - 117	T
Nitrobenzene	mg/Kg	1.60	1.4	87	34 - 122	T
Isophorone	mg/Kg	1.60	1.2	77		T
2-Nitrophenol	mg/Kg	1.60	1.4	85		T
2,4-Dimethylphenol	mg/Kg	1.60	1.3	82		T
bis(2-Chloroethoxy)methane	mg/Kg	1.60	1.2	76		T
2,4-Dichlorophenol	mg/Kg	1.60	1.3	83	40 - 122	T
1,2,4-Trichlorobenzene	mg/Kg	1.60	1.2	75		T
Naphthalene	mg/Kg	1.60	1.2	72		T
Hexachlorobutadiene	mg/Kg	1.60	1.2	75	32 - 123	T
4-Chloro-3-methylphenol	mg/Kg	1.60	1.5	96	45 - 122	T
2-Methylnaphthalene	mg/Kg	1.60	1.2	74		T
1-Methylnaphthalene	mg/Kg	1.60	1.3	78		T
Hexachlorocyclopentadiene	mg/Kg	1.60	1.1	71		T
2,4,6-Trichlorophenol	mg/Kg	1.60	1.5	95	39 - 126	T
2-Chloronaphthalene	mg/Kg	1.60	1.1	67		T
Dimethyl phthalate	mg/Kg	1.60	1.5	93		T
2,6-Dinitrotoluene (2,6-DNT)	mg/Kg	1.60	1.8	113		T
Acenaphthylene	mg/Kg	1.60	1.4	89		T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

QC Batch: MSSt/1674 **Analysis Method:** SW-846 8270C
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202528001, T2202528002, T2202528003, T2202528004, T2202528005, T2202528006

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Acenaphthene	mg/Kg	1.60	1.3	84	40 - 123	T
2,4-Dinitrophenol	mg/Kg	1.60	1.6	98		T
2,4-Dinitrotoluene (2,4-DNT)	mg/Kg	1.60	1.8	111	48 - 126	T
4-Nitrophenol	mg/Kg	1.60	1.9	121		T
Diethyl phthalate	mg/Kg	1.60	1.6	102		T
Fluorene	mg/Kg	1.60	1.5	95	43 - 125	T
4-Chlorophenyl Phenyl Ether	mg/Kg	1.60	1.4	89		T
2-Methyl-4,6-dinitrophenol	mg/Kg	1.60	1.9	119		T
N-Nitrosodiphenylamine	mg/Kg	1.60	1.3	83		T
1,2-Diphenylhydrazine	mg/Kg	1.60	1.6	97		T
4-Bromophenyl Phenyl Ether	mg/Kg	1.60	1.5	96		T
Hexachlorobenzene	mg/Kg	1.60	1.5	96	45 - 122	T
Pentachlorophenol	mg/Kg	1.60	1.6	102	25 - 133	T
Phenanthrene	mg/Kg	1.60	1.5	94		T
Anthracene	mg/Kg	1.60	1.5	96		T
Di-n-Butyl Phthalate	mg/Kg	1.60	1.6	102		T
Fluoranthene	mg/Kg	1.60	1.6	98	50 - 127	T
Pyrene	mg/Kg	1.60	1.6	100		T
Butyl benzyl phthalate	mg/Kg	1.60	1.7	109		T
Benzo[a]anthracene	mg/Kg	1.60	1.6	97		T
Chrysene	mg/Kg	1.60	1.6	98		T
bis(2-Ethylhexyl) phthalate	mg/Kg	1.60	1.7	106	51 - 133	T
Di-n-octyl Phthalate	mg/Kg	1.60	1.7	109		T
Benzo[b]fluoranthene	mg/Kg	1.60	1.5	91		T
Benzo[k]fluoranthene	mg/Kg	1.60	1.6	99		T
Benzo[a]pyrene	mg/Kg	1.60	1.6	98	45 - 129	T
Indeno(1,2,3-cd)pyrene	mg/Kg	1.60	1.5	95		T
Dibenzo[a,h]anthracene	mg/Kg	1.60	1.5	94		T
Benzo[g,h,i]perylene	mg/Kg	1.60	1.5	92		T
Benzidine	mg/Kg	1.60	.66	41		T
3,3`-Dichlorobenzidine	mg/Kg	1.60	1.2	78		T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

QC Batch: MSSt/1674 **Analysis Method:** SW-846 8270C
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202528001, T2202528002, T2202528003, T2202528004, T2202528005, T2202528006

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2,4,6-Tribromophenol (S)	mg/L	2	2.20	109	39 - 132	
2-Fluorobiphenyl (S)	mg/L	2	1.60	82	44 - 115	
2-Fluorophenol (S)	mg/L	2	1.60	78	35 - 115	
Nitrobenzene-d5 (S)	mg/L	2	1.70	84	37 - 122	
Phenol-d6 (S)	mg/L	2	1.60	78	33 - 122	
p-Terphenyl-d14 (S)	mg/L	2	1.90	97	54 - 127	

Matrix Spike (4197428); Matrix Spike Duplicate (4197429); Parent Lab Sample (T2202524005)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
N-Nitrosodimethylamine	mg/Kg	1.60	1.2	72		1.2	79	7	30	T
Phenol	mg/Kg	1.60	1.1	71	34 - 121	1.3	80	10	30	T
bis(2-Chloroethyl)Ether	mg/Kg	1.60	1.1	71		1.2	78	8	30	T
2-Chlorophenol	mg/Kg	1.60	1.2	73		1.3	82	11	30	T
1,3-Dichlorobenzene	mg/Kg	1.60	1	65		1.1	71	8	30	T
1,4-Dichlorobenzene	mg/Kg	1.60	1	65	37 - 132	1.1	70	7	30	T
1,2-Dichlorobenzene	mg/Kg	1.60	1.1	67		1.2	74	8	30	T
bis(2-Chloroisopropyl) Ethe	mg/Kg	1.60	1.2	78		1.3	85	8	30	T
N-Nitrosodi-n-propylamine	mg/Kg	1.60	1.2	75		1.3	82	8	30	T
Hexachloroethane	mg/Kg	1.60	1.1	72	28 - 117	1.2	78	7	30	T
Nitrobenzene	mg/Kg	1.60	1.4	85	34 - 122	1.4	91	6	30	T
Isophorone	mg/Kg	1.60	1.2	73		1.2	78	5	30	T
2-Nitrophenol	mg/Kg	1.60	1.4	87		1.4	91	4	30	T
2,4-Dimethylphenol	mg/Kg	1.60	1.2	74		1.3	83	10	30	T
bis(2-Chloroethoxy)methan	mg/Kg	1.60	1.1	71		1.2	78	8	30	T
2,4-Dichlorophenol	mg/Kg	1.60	1.3	79	40 - 122	1.4	87	8	30	T
1,2,4-Trichlorobenzene	mg/Kg	1.60	1.1	69		1.2	74	5	30	T
Naphthalene	mg/Kg	1.60	1.2	69		1.2	73	4	30	T
Hexachlorobutadiene	mg/Kg	1.60	1.1	70	32 - 123	1.1	73	2	30	T
4-Chloro-3-methylphenol	mg/Kg	1.60	1.4	90	45 - 122	1.5	95	5	30	T
2-Methylnaphthalene	mg/Kg	1.60	1.2	71		1.2	73	1	30	T
1-Methylnaphthalene	mg/Kg	1.60	1.2	75		1.3	80	5	30	T
Hexachlorocyclopentadiene	mg/Kg	1.60	.95	60		.99	63	4	30	T
2,4,6-Trichlorophenol	mg/Kg	1.60	1.4	85	39 - 126	1.5	97	12	30	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

QC Batch: MSSt/1674 **Analysis Method:** SW-846 8270C
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202528001, T2202528002, T2202528003, T2202528004, T2202528005, T2202528006

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
2-Chloronaphthalene	mg/Kg	1.60	.98	61		1	66	6	30	T
Dimethyl phthalate	mg/Kg	1.60	1.3	85		1.4	91	7	30	T
2,6-Dinitrotoluene (2,6-DNT	mg/Kg	1.60	1.6	101		1.7	109	7	30	T
Acenaphthylene	mg/Kg	1.60	1.3	83		1.5	91	8	30	T
Acenaphthene	mg/Kg	1.60	1.3	79	40 - 123	1.3	85	6	30	T
2,4-Dinitrophenol	mg/Kg	1.60	.99	62		1.2	75	18	30	T
2,4-Dinitrotoluene (2,4-DNT	mg/Kg	1.60	1.6	98	48 - 126	1.8	111	11	30	T
4-Nitrophenol	mg/Kg	1.60	1.7	109		1.8	116	6	30	T
Diethyl phthalate	mg/Kg	1.60	1.4	90		1.5	96	4	30	T
Fluorene	mg/Kg	1.60	1.4	85	43 - 125	1.4	91	6	30	T
4-Chlorophenyl Phenyl Eth	mg/Kg	1.60	1.3	83		1.4	91	8	30	T
2-Methyl-4,6-dinitrophenol	mg/Kg	1.60	1.7	104		1.8	116	10	30	T
N-Nitrosodiphenylamine	mg/Kg	1.60	1.3	80		1.3	79	1	30	T
1,2-Diphenylhydrazine	mg/Kg	1.60	1.5	93		1.5	94	0	30	T
4-Bromophenyl Phenyl Eth	mg/Kg	1.60	1.6	99		1.5	93	7	30	T
Hexachlorobenzene	mg/Kg	1.60	1.5	93	45 - 122	1.5	95	0	30	T
Pentachlorophenol	mg/Kg	1.60	1.5	91	25 - 133	1.5	97	5	30	T
Phenanthrene	mg/Kg	1.60	1.5	91		1.4	88	4	30	T
Anthracene	mg/Kg	1.60	1.5	92		1.5	91	2	30	T
Di-n-Butyl Phthalate	mg/Kg	1.60	1.6	99		1.6	102	2	30	T
Fluoranthene	mg/Kg	1.60	1.6	94	50 - 127	1.5	90	5	30	T
Pyrene	mg/Kg	1.60	1.6	94		1.7	102	7	30	T
Butyl benzyl phthalate	mg/Kg	1.60	1.7	105		1.8	114	7	30	T
Benzo[a]anthracene	mg/Kg	1.60	1.5	91		1.6	98	6	30	T
Chrysene	mg/Kg	1.60	1.5	90		1.6	96	6	30	T
bis(2-Ethylhexyl) phthalate	mg/Kg	1.60	1.7	106	51 - 133	1.8	112	5	30	T
Di-n-octyl Phthalate	mg/Kg	1.60	1.7	107		1.8	115	6	30	T
Benzo[b]fluoranthene	mg/Kg	1.60	1.6	87		1.6	86	2	30	T
Benzo[k]fluoranthene	mg/Kg	1.60	1.6	98		1.6	100	0	30	T
Benzo[a]pyrene	mg/Kg	1.60	1.6	94	45 - 129	1.6	96	1	30	T
Indeno(1,2,3-cd)pyrene	mg/Kg	1.60	1.6	97		1.7	100	2	30	T
Dibenzo[a,h]anthracene	mg/Kg	1.60	1.6	96		1.6	98	2	30	T
Benzo[g,h,i]perylene	mg/Kg	1.60	1.6	95		1.6	96	0	30	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

QC Batch: MSSt/1674 **Analysis Method:** SW-846 8270C
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202528001, T2202528002, T2202528003, T2202528004, T2202528005, T2202528006

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Benzidine	mg/Kg	1.60	.56	35		.51	32	10	30	T
3,3`-Dichlorobenzidine	mg/Kg	1.60	1.2	74		1.3	84	12	30	T

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	2	2.10	107	39 - 132	2.10	104	3	30	
2-Fluorobiphenyl (S)	mg/L	2	1.50	75	44 - 115	1.60	82	8	30	
2-Fluorophenol (S)	mg/L	2	1.40	68	35 - 115	1.50	78	12	30	
Nitrobenzene-d5 (S)	mg/L	2	1.60	79	37 - 122	1.80	89	11		
Phenol-d6 (S)	mg/L	2	1.40	70	33 - 122	1.50	78	9		
p-Terphenyl-d14 (S)	mg/L	2	1.80	92	54 - 127	2	101	9		

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

QC Results

QC Batch: MSSt/1679 **Analysis Method:** SW-846 8270C
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202528007, T2202528008, T2202528009, T2202528010, T2202528011, T2202528012

Method Blank(4203517)

Parameter	Results	Units	PQL	MDL	Lab
Phenol	0.039 U	mg/Kg	0.20	0.039	T
2-Chlorophenol	0.036 U	mg/Kg	0.20	0.036	T
2-Nitrophenol	0.044 U	mg/Kg	0.20	0.044	T
2,4-Dimethylphenol	0.042 U	mg/Kg	0.20	0.042	T
2,4-Dichlorophenol	0.042 U	mg/Kg	0.20	0.042	T
4-Chloro-3-methylphenol	0.042 U	mg/Kg	0.20	0.042	T
2,4,6-Trichlorophenol	0.037 U	mg/Kg	0.20	0.037	T
2,4-Dinitrophenol	0.12 U	mg/Kg	0.20	0.12	T
4-Nitrophenol	0.056 U	mg/Kg	0.20	0.056	T
2-Methyl-4,6-dinitrophenol	0.045 U	mg/Kg	0.20	0.045	T
Pentachlorophenol	0.067 U	mg/Kg	0.20	0.067	T
N-Nitrosodimethylamine	0.0090 U	mg/Kg	0.20	0.0090	T
bis(2-Chloroethyl)Ether	0.041 U	mg/Kg	0.20	0.041	T
1,3-Dichlorobenzene	0.021 U	mg/Kg	0.20	0.021	T
1,4-Dichlorobenzene	0.045 U	mg/Kg	0.20	0.045	T
1,2-Dichlorobenzene	0.040 U	mg/Kg	0.20	0.040	T
bis(2-Chloroisopropyl) Ether	0.037 U	mg/Kg	0.20	0.037	T
N-Nitrosodi-n-propylamine	0.036 U	mg/Kg	0.20	0.036	T
Hexachloroethane	0.028 U	mg/Kg	0.20	0.028	T
Nitrobenzene	0.048 U	mg/Kg	0.20	0.048	T
Isophorone	0.022 U	mg/Kg	0.20	0.022	T
bis(2-Chloroethoxy)methane	0.029 U	mg/Kg	0.20	0.029	T
1,2,4-Trichlorobenzene	0.030 U	mg/Kg	0.20	0.030	T
Naphthalene	0.0048 U	mg/Kg	0.20	0.0048	T
Hexachlorobutadiene	0.033 U	mg/Kg	0.20	0.033	T
2-Methylnaphthalene	0.0048 U	mg/Kg	0.20	0.0048	T
1-Methylnaphthalene	0.0039 U	mg/Kg	0.20	0.0039	T
Hexachlorocyclopentadiene	0.033 U	mg/Kg	0.20	0.033	T
2-Chloronaphthalene	0.039 U	mg/Kg	0.20	0.039	T
Dimethyl phthalate	0.038 U	mg/Kg	0.20	0.038	T
2,6-Dinitrotoluene (2,6-DNT)	0.050 U	mg/Kg	0.20	0.050	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

QC Batch: MSSt/1679 **Analysis Method:** SW-846 8270C
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202528007, T2202528008, T2202528009, T2202528010, T2202528011, T2202528012

Parameter	Results	Units	PQL	MDL	Lab
Acenaphthylene	0.0051 U	mg/Kg	0.20	0.0051	T
Acenaphthene	0.0046 U	mg/Kg	0.20	0.0046	T
2,4-Dinitrotoluene (2,4-DNT)	0.063 U	mg/Kg	0.20	0.063	T
Diethyl phthalate	0.039 U	mg/Kg	0.20	0.039	T
Fluorene	0.0044 U	mg/Kg	0.20	0.0044	T
4-Chlorophenyl Phenyl Ether	0.044 U	mg/Kg	0.20	0.044	T
1,2-Diphenylhydrazine	0.077 U	mg/Kg	0.20	0.077	T
4-Bromophenyl Phenyl Ether	0.051 U	mg/Kg	0.20	0.051	T
Hexachlorobenzene	0.059 U	mg/Kg	0.20	0.059	T
Phenanthrene	0.0057 U	mg/Kg	0.20	0.0057	T
Anthracene	0.0050 U	mg/Kg	0.20	0.0050	T
Di-n-Butyl Phthalate	0.042 U	mg/Kg	0.20	0.042	T
Fluoranthene	0.048 U	mg/Kg	0.20	0.048	T
Benzidine	0.040 U	mg/Kg	0.20	0.040	T
Pyrene	0.0043 U	mg/Kg	0.20	0.0043	T
Butyl benzyl phthalate	0.028 U	mg/Kg	0.20	0.028	T
Benzo[a]anthracene	0.0046 U	mg/Kg	0.20	0.0046	T
3,3`-Dichlorobenzidine	0.027 U	mg/Kg	0.20	0.027	T
Chrysene	0.0051 U	mg/Kg	0.20	0.0051	T
bis(2-Ethylhexyl) phthalate	0.031 U	mg/Kg	0.20	0.031	T
Di-n-octyl Phthalate	0.026 U	mg/Kg	0.20	0.026	T
Benzo[b]fluoranthene	0.0064 U	mg/Kg	0.20	0.0064	T
Benzo[k]fluoranthene	0.0067 U	mg/Kg	0.20	0.0067	T
Benzo[a]pyrene	0.0043 U	mg/Kg	0.20	0.0043	T
Indeno(1,2,3-cd)pyrene	0.0039 U	mg/Kg	0.20	0.0039	T
Dibenzo[a,h]anthracene	0.0038 U	mg/Kg	0.20	0.0038	T
Benzo[g,h,i]perylene	0.0037 U	mg/Kg	0.20	0.0037	T
N-Nitrosodiphenylamine	0.026 U	mg/Kg	0.20	0.026	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2,4,6-Tribromophenol (S)	mg/L	2	1.80	88	39 - 132	
2-Fluorobiphenyl (S)	mg/L	2	1.30	64	44 - 115	
2-Fluorophenol (S)	mg/L	2	1.30	64	35 - 115	

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

QC Batch: MSSt/1679 **Analysis Method:** SW-846 8270C
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202528007, T2202528008, T2202528009, T2202528010, T2202528011, T2202528012

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Nitrobenzene-d5 (S)	mg/L	2	1.50	73	37 - 122	
Phenol-d6 (S)	mg/L	2	1.40	69	33 - 122	
p-Terphenyl-d14 (S)	mg/L	2	1.70	83	54 - 127	

Lab Control Sample (4203518)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
N-Nitrosodimethylamine	mg/Kg	1.60	1.3	81		T
Phenol	mg/Kg	1.60	1.3	82	34 - 121	T
bis(2-Chloroethyl)Ether	mg/Kg	1.60	1.3	81		T
2-Chlorophenol	mg/Kg	1.60	1.4	86		T
1,3-Dichlorobenzene	mg/Kg	1.60	1.2	77		T
1,4-Dichlorobenzene	mg/Kg	1.60	1.2	74	37 - 132	T
1,2-Dichlorobenzene	mg/Kg	1.60	1.2	78		T
bis(2-Chloroisopropyl) Ether	mg/Kg	1.60	1.5	91		T
N-Nitrosodi-n-propylamine	mg/Kg	1.60	1.4	87		T
Hexachloroethane	mg/Kg	1.60	1.3	84	28 - 117	T
Nitrobenzene	mg/Kg	1.60	1.6	99	34 - 122	T
Isophorone	mg/Kg	1.60	1.4	85		T
2-Nitrophenol	mg/Kg	1.60	1.6	97		T
2,4-Dimethylphenol	mg/Kg	1.60	1.3	83		T
bis(2-Chloroethoxy)methane	mg/Kg	1.60	1.3	83		T
2,4-Dichlorophenol	mg/Kg	1.60	1.4	86	40 - 122	T
1,2,4-Trichlorobenzene	mg/Kg	1.60	1.3	79		T
Naphthalene	mg/Kg	1.60	1.3	78		T
Hexachlorobutadiene	mg/Kg	1.60	1.3	81	32 - 123	T
4-Chloro-3-methylphenol	mg/Kg	1.60	1.5	94	45 - 122	T
2-Methylnaphthalene	mg/Kg	1.60	1.2	78		T
1-Methylnaphthalene	mg/Kg	1.60	1.3	83		T
Hexachlorocyclopentadiene	mg/Kg	1.60	1.2	76		T
2,4,6-Trichlorophenol	mg/Kg	1.60	1.5	96	39 - 126	T
2-Chloronaphthalene	mg/Kg	1.60	1.1	71		T
Dimethyl phthalate	mg/Kg	1.60	1.5	93		T
2,6-Dinitrotoluene (2,6-DNT)	mg/Kg	1.60	1.8	110		T
Acenaphthylene	mg/Kg	1.60	1.4	89		T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

QC Batch: MSSt/1679 **Analysis Method:** SW-846 8270C
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202528007, T2202528008, T2202528009, T2202528010, T2202528011, T2202528012

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Acenaphthene	mg/Kg	1.60	1.3	82	40 - 123	T
2,4-Dinitrophenol	mg/Kg	1.60	1.6	100		T
2,4-Dinitrotoluene (2,4-DNT)	mg/Kg	1.60	1.8	110	48 - 126	T
4-Nitrophenol	mg/Kg	1.60	1.8	115		T
Diethyl phthalate	mg/Kg	1.60	1.5	95		T
Fluorene	mg/Kg	1.60	1.4	90	43 - 125	T
4-Chlorophenyl Phenyl Ether	mg/Kg	1.60	1.4	88		T
2-Methyl-4,6-dinitrophenol	mg/Kg	1.60	1.9	120		T
N-Nitrosodiphenylamine	mg/Kg	1.60	1.2	74		T
1,2-Diphenylhydrazine	mg/Kg	1.60	1.4	90		T
4-Bromophenyl Phenyl Ether	mg/Kg	1.60	1.4	86		T
Hexachlorobenzene	mg/Kg	1.60	1.4	87	45 - 122	T
Pentachlorophenol	mg/Kg	1.60	1.5	92	25 - 133	T
Phenanthrene	mg/Kg	1.60	1.3	84		T
Anthracene	mg/Kg	1.60	1.4	86		T
Di-n-Butyl Phthalate	mg/Kg	1.60	1.5	96		T
Fluoranthene	mg/Kg	1.60	1.4	85	50 - 127	T
Pyrene	mg/Kg	1.60	1.4	88		T
Butyl benzyl phthalate	mg/Kg	1.60	1.6	101		T
Benzo[a]anthracene	mg/Kg	1.60	1.4	85		T
Chrysene	mg/Kg	1.60	1.4	87		T
bis(2-Ethylhexyl) phthalate	mg/Kg	1.60	1.6	98	51 - 133	T
Di-n-octyl Phthalate	mg/Kg	1.60	1.6	100		T
Benzo[b]fluoranthene	mg/Kg	1.60	1.5	91		T
Benzo[k]fluoranthene	mg/Kg	1.60	1.6	97		T
Benzo[a]pyrene	mg/Kg	1.60	1.5	97	45 - 129	T
Indeno(1,2,3-cd)pyrene	mg/Kg	1.60	1.6	97		T
Dibenzo[a,h]anthracene	mg/Kg	1.60	1.5	94		T
Benzo[g,h,i]perylene	mg/Kg	1.60	1.5	93		T
Benzidine	mg/Kg	1.60	.62	39		T
3,3`-Dichlorobenzidine	mg/Kg	1.60	1.1	71		T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

QC Batch: MSSt/1679 **Analysis Method:** SW-846 8270C
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202528007, T2202528008, T2202528009, T2202528010, T2202528011, T2202528012

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2,4,6-Tribromophenol (S)	mg/L	2	1.90	97	39 - 132	
2-Fluorobiphenyl (S)	mg/L	2	1.70	84	44 - 115	
2-Fluorophenol (S)	mg/L	2	1.60	82	35 - 115	
Nitrobenzene-d5 (S)	mg/L	2	2	98	37 - 122	
Phenol-d6 (S)	mg/L	2	1.60	82	33 - 122	
p-Terphenyl-d14 (S)	mg/L	2	1.90	93	54 - 127	

Matrix Spike (4203519); Matrix Spike Duplicate (4203520); Parent Lab Sample (T2202528007)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
N-Nitrosodimethylamine	mg/Kg	1.60	1	66		1.2	75	13	30	T
Phenol	mg/Kg	1.60	1.2	75	34 - 121	1.2	77	3	30	T
bis(2-Chloroethyl)Ether	mg/Kg	1.60	1.2	74		1.2	74	1	30	T
2-Chlorophenol	mg/Kg	1.60	1.2	77		1.2	77	1	30	T
1,3-Dichlorobenzene	mg/Kg	1.60	1.1	69		1.1	69	1	30	T
1,4-Dichlorobenzene	mg/Kg	1.60	1.1	67	37 - 132	1.1	69	2	30	T
1,2-Dichlorobenzene	mg/Kg	1.60	1.1	68		1.1	71	4	30	T
bis(2-Chloroisopropyl) Ethe	mg/Kg	1.60	1.3	81		1.3	81	1	30	T
N-Nitrosodi-n-propylamine	mg/Kg	1.60	1.3	79		1.3	83	4	30	T
Hexachloroethane	mg/Kg	1.60	1.2	74	28 - 117	1.2	78	5	30	T
Nitrobenzene	mg/Kg	1.60	1.4	85	34 - 122	1.4	89	4	30	T
Isophorone	mg/Kg	1.60	1.2	76		1.3	79	3	30	T
2-Nitrophenol	mg/Kg	1.60	1.4	89		1.4	89	1	30	T
2,4-Dimethylphenol	mg/Kg	1.60	1.2	77		1.3	80	4	30	T
bis(2-Chloroethoxy)methan	mg/Kg	1.60	1.2	74		1.2	76	3	30	T
2,4-Dichlorophenol	mg/Kg	1.60	1.3	81	40 - 122	1.3	85	4	30	T
1,2,4-Trichlorobenzene	mg/Kg	1.60	1.1	69		1.1	71	2	30	T
Naphthalene	mg/Kg	1.60	1.1	69		1.1	72	3	30	T
Hexachlorobutadiene	mg/Kg	1.60	1.2	73	32 - 123	1.1	71	2	30	T
4-Chloro-3-methylphenol	mg/Kg	1.60	1.4	90	45 - 122	1.5	95	6	30	T
2-Methylnaphthalene	mg/Kg	1.60	1.1	71		1.2	73	2	30	T
1-Methylnaphthalene	mg/Kg	1.60	1.2	76		1.2	77	1	30	T
Hexachlorocyclopentadiene	mg/Kg	1.60	1	64		1	63	1	30	T
2,4,6-Trichlorophenol	mg/Kg	1.60	1.4	88	39 - 126	1.3	84	5	30	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

QC Batch: MSSt/1679 **Analysis Method:** SW-846 8270C
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202528007, T2202528008, T2202528009, T2202528010, T2202528011, T2202528012

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
2-Chloronaphthalene	mg/Kg	1.60	.99	62		.96	60	2	30	T
Dimethyl phthalate	mg/Kg	1.60	1.4	85		1.4	86	1	30	T
2,6-Dinitrotoluene (2,6-DNT	mg/Kg	1.60	1.6	103		1.6	101	2	30	T
Acenaphthylene	mg/Kg	1.60	1.3	82		1.3	81	1	30	T
Acenaphthene	mg/Kg	1.60	1.2	77	40 - 123	1.2	77	0	30	T
2,4-Dinitrophenol	mg/Kg	1.60	1.4	87		1.4	86	1	30	T
2,4-Dinitrotoluene (2,4-DNT	mg/Kg	1.60	1.7	104	48 - 126	1.6	103	1	30	T
4-Nitrophenol	mg/Kg	1.60	1.8	112		1.7	107	4	30	T
Diethyl phthalate	mg/Kg	1.60	1.4	90		1.4	90	0	30	T
Fluorene	mg/Kg	1.60	1.3	84	43 - 125	1.3	82	3	30	T
4-Chlorophenyl Phenyl Eth	mg/Kg	1.60	1.3	82		1.3	83	1	30	T
2-Methyl-4,6-dinitrophenol	mg/Kg	1.60	1.8	115		1.8	116	0	30	T
N-Nitrosodiphenylamine	mg/Kg	1.60	1.2	73		1.2	77	5	30	T
1,2-Diphenylhydrazine	mg/Kg	1.60	1.4	88		1.5	92	5	30	T
4-Bromophenyl Phenyl Eth	mg/Kg	1.60	1.4	88		1.4	88	0	30	T
Hexachlorobenzene	mg/Kg	1.60	1.4	86	45 - 122	1.4	88	3	30	T
Pentachlorophenol	mg/Kg	1.60	1.5	92	25 - 133	1.5	91	1	30	T
Phenanthrene	mg/Kg	1.60	1.3	81		1.4	85	5	30	T
Anthracene	mg/Kg	1.60	1.4	85		1.4	86	1	30	T
Di-n-Butyl Phthalate	mg/Kg	1.60	1.5	92		1.5	95	3	30	T
Fluoranthene	mg/Kg	1.60	1.4	88	50 - 127	1.4	88	0	30	T
Pyrene	mg/Kg	1.60	1.5	92		1.5	91	1	30	T
Butyl benzyl phthalate	mg/Kg	1.60	1.7	108		1.7	107	1	30	T
Benzo[a]anthracene	mg/Kg	1.60	1.4	89		1.4	89	0	30	T
Chrysene	mg/Kg	1.60	1.5	90		1.4	89	1	30	T
bis(2-Ethylhexyl) phthalate	mg/Kg	1.60	1.6	102	51 - 133	1.7	105	2	30	T
Di-n-octyl Phthalate	mg/Kg	1.60	1.7	106		1.7	106	0	30	T
Benzo[b]fluoranthene	mg/Kg	1.60	1.4	84		1.3	81	4	30	T
Benzo[k]fluoranthene	mg/Kg	1.60	1.4	90		1.4	87	3	30	T
Benzo[a]pyrene	mg/Kg	1.60	1.5	91	45 - 129	1.4	89	3	30	T
Indeno(1,2,3-cd)pyrene	mg/Kg	1.60	1.5	93		1.5	90	3	30	T
Dibenzo[a,h]anthracene	mg/Kg	1.60	1.4	90		1.4	88	3	30	T
Benzo[g,h,i]perylene	mg/Kg	1.60	1.4	86		1.4	85	1	30	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

QC Batch: MSSt/1679 **Analysis Method:** SW-846 8270C
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202528007, T2202528008, T2202528009, T2202528010, T2202528011, T2202528012

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Benzidine	mg/Kg	1.60	.69	43		.71	45	4	30	T
3,3`-Dichlorobenzidine	mg/Kg	1.60	1.2	72		1.3	79	9	30	T

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	2	1.90	97	39 - 132	2	102	5	30	
2-Fluorobiphenyl (S)	mg/L	2	1.50	74	44 - 115	1.50	74	1	30	
2-Fluorophenol (S)	mg/L	2	1.40	71	35 - 115	1.50	74	4	30	
Nitrobenzene-d5 (S)	mg/L	2	1.70	86	37 - 122	1.70	87	1		
Phenol-d6 (S)	mg/L	2	1.40	72	33 - 122	1.50	74	3		
p-Terphenyl-d14 (S)	mg/L	2	1.80	92	54 - 127	1.90	95	3		

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

QC Results

QC Batch: MSVt/3551 **Analysis Method:** SW-846 8260B
Preparation Method: SW-846 5035
Associated Lab IDs: T2202528001, T2202528002, T2202528003, T2202528004, T2202528005, T2202528006, T2202528007, T2202528008, T2202528009, T2202528010, T2202528011

Method Blank(4196557)

Parameter	Results	Units	PQL	MDL	Lab
Dichlorodifluoromethane	0.0010 U	mg/Kg	0.0030	0.0010	T
Chloromethane	0.00069 U	mg/Kg	0.0030	0.00069	T
Vinyl Chloride	0.00058 U	mg/Kg	0.0030	0.00058	T
Bromomethane	0.0012 U	mg/Kg	0.0030	0.0012	T
Chloroethane	0.0015 U	mg/Kg	0.0030	0.0015	T
Trichlorofluoromethane	0.00066 U	mg/Kg	0.0030	0.00066	T
Acrolein (Propenal)	0.0062 U	mg/Kg	0.015	0.0062	T
1,1-Dichloroethylene	0.00073 U	mg/Kg	0.0030	0.00073	T
Acrylonitrile	0.00052 U	mg/Kg	0.0030	0.00052	T
Methylene Chloride	0.0040 U	mg/Kg	0.0050	0.0040	T
trans-1,2-Dichloroethylene	0.00061 U	mg/Kg	0.0030	0.00061	T
Methyl tert-butyl Ether (MTBE)	0.00098 U	mg/Kg	0.0030	0.00098	T
1,1-Dichloroethane	0.00070 U	mg/Kg	0.0030	0.00070	T
cis-1,2-Dichloroethylene	0.00059 U	mg/Kg	0.0030	0.00059	T
Chloroform	0.00061 U	mg/Kg	0.0030	0.00061	T
1,2-Dichloroethane	0.00078 U	mg/Kg	0.0030	0.00078	T
1,1,1-Trichloroethane	0.00070 U	mg/Kg	0.0030	0.00070	T
Carbon Tetrachloride	0.00084 U	mg/Kg	0.0030	0.00084	T
Benzene	0.00050 U	mg/Kg	0.0030	0.00050	T
1,2-Dichloropropane	0.00054 U	mg/Kg	0.0030	0.00054	T
Trichloroethene	0.00074 U	mg/Kg	0.0030	0.00074	T
Bromodichloromethane	0.00053 U	mg/Kg	0.0030	0.00053	T
2-Chloroethyl Vinyl Ether	0.0026 U	mg/Kg	0.0030	0.0026	T
cis-1,3-Dichloropropene	0.0021 U	mg/Kg	0.0030	0.0021	T
trans-1,3-Dichloropropylene	0.0018 U	mg/Kg	0.0030	0.0018	T
1,1,2-Trichloroethane	0.00049 U	mg/Kg	0.0030	0.00049	T
Toluene	0.00037 U	mg/Kg	0.0030	0.00037	T
Dibromochloromethane	0.0017 U	mg/Kg	0.0030	0.0017	T
Tetrachloroethylene (PCE)	0.00057 U	mg/Kg	0.0030	0.00057	T
Chlorobenzene	0.00044 U	mg/Kg	0.0030	0.00044	T
Ethylbenzene	0.00036 U	mg/Kg	0.0030	0.00036	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

QC Batch: MSVt/3551 **Analysis Method:** SW-846 8260B
Preparation Method: SW-846 5035
Associated Lab IDs: T2202528001, T2202528002, T2202528003, T2202528004, T2202528005, T2202528006, T2202528007, T2202528008, T2202528009, T2202528010, T2202528011

Parameter	Results	Units	PQL	MDL	Lab
Bromoform	0.0020 U	mg/Kg	0.0030	0.0020	T
1,1,2,2-Tetrachloroethane	0.00051 U	mg/Kg	0.0030	0.00051	T
1,3-Dichlorobenzene	0.00055 U	mg/Kg	0.0030	0.00055	T
1,4-Dichlorobenzene	0.00066 U	mg/Kg	0.0030	0.00066	T
1,2-Dichlorobenzene	0.00048 U	mg/Kg	0.0030	0.00048	T
Xylene (Total)	0.0013 U	mg/Kg	0.0060	0.0013	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	42	84	69 - 134	
Bromofluorobenzene (S)	ug/L	50	54	109	79 - 126	
Toluene-d8 (S)	ug/L	50	47	95	72 - 122	

Lab Control Sample (4196558); Lab Control Sample Duplicate (4196559)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Dichlorodifluoromethane	mg/Kg	0.02	.01	67		.01	71	6		T
Chloromethane	mg/Kg	0.02	.02	83		.02	81	2		T
Vinyl Chloride	mg/Kg	0.02	.02	88	70 - 130	.02	78	12	20	T
Bromomethane	mg/Kg	0.02	.01	59		.01	69	15		T
Chloroethane	mg/Kg	0.02	.02	74		.02	77	4		T
Trichlorofluoromethane	mg/Kg	0.02	.02	91		.02	94	4		T
1,1-Dichloroethylene	mg/Kg	0.02	.02	120	70 - 130	.03	123	3	20	T
Methylene Chloride	mg/Kg	0.02	.02	122		.03	128	5		T
trans-1,2-Dichloroethylene	mg/Kg	0.02	.02	121		.03	124	2		T
Methyl tert-butyl Ether (MT	mg/Kg	0.02	.02	118	70 - 130	.02	114	4	20	T
1,1-Dichloroethane	mg/Kg	0.02	.02	117		.02	121	3		T
cis-1,2-Dichloroethylene	mg/Kg	0.02	.02	120	70 - 130	.03	126	4	20	T
Chloroform	mg/Kg	0.02	.02	117	70 - 130	.02	122	5	20	T
1,2-Dichloroethane	mg/Kg	0.02	.02	115		.02	120	5		T
1,1,1-Trichloroethane	mg/Kg	0.02	.02	111		.02	117	5		T
Carbon Tetrachloride	mg/Kg	0.02	.02	110		.02	116	5		T
Benzene	mg/Kg	0.02	.02	105	70 - 130	.02	116	11	20	T
1,2-Dichloropropane	mg/Kg	0.02	.02	116		.03	128	9		T
Trichloroethene	mg/Kg	0.02	.02	122	70 - 130	.03	126	3	20	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

QC Batch: MSVt/3551 **Analysis Method:** SW-846 8260B
Preparation Method: SW-846 5035
Associated Lab IDs: T2202528001, T2202528002, T2202528003, T2202528004, T2202528005, T2202528006, T2202528007, T2202528008, T2202528009, T2202528010, T2202528011

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Bromodichloromethane	mg/Kg	0.02	.02	114		.02	119	4		T
cis-1,3-Dichloropropene	mg/Kg	0.02	.02	122		.03	129	5		T
trans-1,3-Dichloropropylene	mg/Kg	0.02	.03	124		.03	128	3		T
1,1,2-Trichloroethane	mg/Kg	0.02	.03	124		.03	130	5		T
Toluene	mg/Kg	0.02	.02	105	70 - 130	.02	109	4	20	T
Dibromochloromethane	mg/Kg	0.02	.02	96		.02	104	8		T
Tetrachloroethylene (PCE)	mg/Kg	0.02	.02	101	70 - 130	.02	105	4	20	T
Chlorobenzene	mg/Kg	0.02	.02	103	70 - 130	.02	107	4	20	T
Ethylbenzene	mg/Kg	0.02	.02	108	70 - 130	.02	112	4	20	T
Bromoform	mg/Kg	0.02	.02	91		.02	96	6		T
1,1,2,2-Tetrachloroethane	mg/Kg	0.02	.02	99		.02	108	9		T
1,3-Dichlorobenzene	mg/Kg	0.02	.02	109	70 - 130	.02	114	4	20	T
1,4-Dichlorobenzene	mg/Kg	0.02	.02	108		.02	112	4		T
1,2-Dichlorobenzene	mg/Kg	0.02	.02	112	70 - 130	.02	115	3	20	T
Xylene (Total)	mg/Kg	0.06	.07	110	70 - 130	.07	116	5	20	T
2-Chloroethyl Vinyl Ether	mg/Kg	0.02	.04	192		.04	213	10		T
Acrolein (Propenal)	mg/Kg	0.10	.06	64		.07	71	11		T
Acrylonitrile	mg/Kg	0.02	.02	113		.02	120	6		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	44	88	69 - 134	44	89	1		
Bromofluorobenzene (S)	ug/L	50	49	98	79 - 126	47	95	3		
Toluene-d8 (S)	ug/L	50	43	87	72 - 122	44	87	1		

Matrix Spike (4196560); Parent Lab Sample (T2202342008)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Dichlorodifluoromethane	mg/Kg	0.0260	.02	78		T
Chloromethane	mg/Kg	0.0260	.02	87		T
Vinyl Chloride	mg/Kg	0.0260	.02	81	70 - 130	T
Bromomethane	mg/Kg	0.0260	.02	75		T
Chloroethane	mg/Kg	0.0260	.02	81		T
Trichlorofluoromethane	mg/Kg	0.0260	.03	103		T
1,1-Dichloroethylene	mg/Kg	0.0260	.03	125	70 - 130	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

QC Batch: MSVt/3551 **Analysis Method:** SW-846 8260B
Preparation Method: SW-846 5035
Associated Lab IDs: T2202528001, T2202528002, T2202528003, T2202528004, T2202528005, T2202528006, T2202528007, T2202528008, T2202528009, T2202528010, T2202528011

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Methylene Chloride	mg/Kg	0.0260	.03	133		T
trans-1,2-Dichloroethylene	mg/Kg	0.0260	.03	125		T
Methyl tert-butyl Ether (MTBE)	mg/Kg	0.0260	.03	117	70 - 130	T
1,1-Dichloroethane	mg/Kg	0.0260	.03	122		T
cis-1,2-Dichloroethylene	mg/Kg	0.0260	.03	129	70 - 130	T
Chloroform	mg/Kg	0.0260	.03	126	70 - 130	T
1,2-Dichloroethane	mg/Kg	0.0260	.03	120		T
1,1,1-Trichloroethane	mg/Kg	0.0260	.03	116		T
Carbon Tetrachloride	mg/Kg	0.0260	.03	116		T
Benzene	mg/Kg	0.0260	.03	130	70 - 130	T
1,2-Dichloropropane	mg/Kg	0.0260	.03	128		T
Trichloroethene	mg/Kg	0.0260	.03	130	70 - 130	T
Bromodichloromethane	mg/Kg	0.0260	.03	124		T
cis-1,3-Dichloropropene	mg/Kg	0.0260	.03	131		T
trans-1,3-Dichloropropylene	mg/Kg	0.0260	.03	128		T
1,1,2-Trichloroethane	mg/Kg	0.0260	.03	132		T
Toluene	mg/Kg	0.0260	.03	101	70 - 130	T
Dibromochloromethane	mg/Kg	0.0260	.03	97		T
Tetrachloroethylene (PCE)	mg/Kg	0.0260	.03	97	70 - 130	T
Chlorobenzene	mg/Kg	0.0260	.03	101	70 - 130	T
Ethylbenzene	mg/Kg	0.0260	.03	105	70 - 130	T
Bromoform	mg/Kg	0.0260	.02	89		T
1,1,2,2-Tetrachloroethane	mg/Kg	0.0260	.03	100		T
1,3-Dichlorobenzene	mg/Kg	0.0260	.03	114	70 - 130	T
1,4-Dichlorobenzene	mg/Kg	0.0260	.03	115		T
1,2-Dichlorobenzene	mg/Kg	0.0260	.03	115	70 - 130	T
Xylene (Total)	mg/Kg	0.0770	.08	108	70 - 130	T
2-Chloroethyl Vinyl Ether	mg/Kg	0.0260	.05	208		T
Acrolein (Propenal)	mg/Kg	0.13	.09	73		T
Acrylonitrile	mg/Kg	0.0260	.03	123		T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	64	57	89	69 - 134	

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

QC Batch: MSVt/3551 **Analysis Method:** SW-846 8260B
Preparation Method: SW-846 5035
Associated Lab IDs: T2202528001, T2202528002, T2202528003, T2202528004, T2202528005, T2202528006, T2202528007, T2202528008, T2202528009, T2202528010, T2202528011

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	64	62	96	79 - 126	
Toluene-d8 (S)	ug/L	64	52	81	72 - 122	

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

QC Results

QC Batch: MSVt/3561
Preparation Method: SW-846 5035
Associated Lab IDs: T2202528012
Analysis Method: SW-846 8260B

Method Blank(4198523)

Parameter	Results	Units	PQL	MDL	Lab
Dichlorodifluoromethane	0.0010 U	mg/Kg	0.0030	0.0010	T
Chloromethane	0.00069 U	mg/Kg	0.0030	0.00069	T
Vinyl Chloride	0.00058 U	mg/Kg	0.0030	0.00058	T
Bromomethane	0.0012 U	mg/Kg	0.0030	0.0012	T
Chloroethane	0.0015 U	mg/Kg	0.0030	0.0015	T
Trichlorofluoromethane	0.00066 U	mg/Kg	0.0030	0.00066	T
Acrolein (Propenal)	0.0062 U	mg/Kg	0.015	0.0062	T
1,1-Dichloroethylene	0.00073 U	mg/Kg	0.0030	0.00073	T
Acrylonitrile	0.00052 U	mg/Kg	0.0030	0.00052	T
Methylene Chloride	0.0040 U	mg/Kg	0.0050	0.0040	T
trans-1,2-Dichloroethylene	0.00061 U	mg/Kg	0.0030	0.00061	T
Methyl tert-butyl Ether (MTBE)	0.00098 U	mg/Kg	0.0030	0.00098	T
1,1-Dichloroethane	0.00070 U	mg/Kg	0.0030	0.00070	T
cis-1,2-Dichloroethylene	0.00059 U	mg/Kg	0.0030	0.00059	T
Chloroform	0.00061 U	mg/Kg	0.0030	0.00061	T
1,2-Dichloroethane	0.00078 U	mg/Kg	0.0030	0.00078	T
1,1,1-Trichloroethane	0.00070 U	mg/Kg	0.0030	0.00070	T
Carbon Tetrachloride	0.00084 U	mg/Kg	0.0030	0.00084	T
Benzene	0.00050 U	mg/Kg	0.0030	0.00050	T
1,2-Dichloropropane	0.00054 U	mg/Kg	0.0030	0.00054	T
Trichloroethene	0.00074 U	mg/Kg	0.0030	0.00074	T
Bromodichloromethane	0.00053 U	mg/Kg	0.0030	0.00053	T
2-Chloroethyl Vinyl Ether	0.0026 U	mg/Kg	0.0030	0.0026	T
cis-1,3-Dichloropropene	0.0021 U	mg/Kg	0.0030	0.0021	T
trans-1,3-Dichloropropylene	0.0018 U	mg/Kg	0.0030	0.0018	T
1,1,2-Trichloroethane	0.00049 U	mg/Kg	0.0030	0.00049	T
Toluene	0.00037 U	mg/Kg	0.0030	0.00037	T
Dibromochloromethane	0.0017 U	mg/Kg	0.0030	0.0017	T
Tetrachloroethylene (PCE)	0.00057 U	mg/Kg	0.0030	0.00057	T
Chlorobenzene	0.00044 U	mg/Kg	0.0030	0.00044	T
Ethylbenzene	0.00036 U	mg/Kg	0.0030	0.00036	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

QC Batch: MSVt/3561
Preparation Method: SW-846 5035
Associated Lab IDs: T2202528012

Analysis Method: SW-846 8260B

Parameter	Results	Units	PQL	MDL	Lab
Bromoform	0.0020 U	mg/Kg	0.0030	0.0020	T
1,1,2,2-Tetrachloroethane	0.00051 U	mg/Kg	0.0030	0.00051	T
1,3-Dichlorobenzene	0.00055 U	mg/Kg	0.0030	0.00055	T
1,4-Dichlorobenzene	0.00066 U	mg/Kg	0.0030	0.00066	T
1,2-Dichlorobenzene	0.00048 U	mg/Kg	0.0030	0.00048	T
Xylene (Total)	0.0013 U	mg/Kg	0.0060	0.0013	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	46	92	69 - 134	
Bromofluorobenzene (S)	ug/L	50	55	109	79 - 126	
Toluene-d8 (S)	ug/L	50	47	94	72 - 122	

Lab Control Sample (4198524); Lab Control Sample Duplicate (4198525)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Dichlorodifluoromethane	mg/Kg	0.02	.02	77		.01	71	9		T
Chloromethane	mg/Kg	0.02	.02	83		.02	76	9		T
Vinyl Chloride	mg/Kg	0.02	.02	88	70 - 130	.02	79	10	20	T
Bromomethane	mg/Kg	0.02	.01	72		.01	67	7		T
Chloroethane	mg/Kg	0.02	.02	86		.02	77	11		T
Trichlorofluoromethane	mg/Kg	0.02	.02	98		.02	94	4		T
1,1-Dichloroethylene	mg/Kg	0.02	.02	99	70 - 130	.02	101	2	20	T
Methylene Chloride	mg/Kg	0.02	.02	107		.02	105	3		T
trans-1,2-Dichloroethylene	mg/Kg	0.02	.02	99		.02	101	1		T
Methyl tert-butyl Ether (MT	mg/Kg	0.02	.02	109	70 - 130	.02	110	1	20	T
1,1-Dichloroethane	mg/Kg	0.02	.02	98		.02	99	1		T
cis-1,2-Dichloroethylene	mg/Kg	0.02	.02	102	70 - 130	.02	104	2	20	T
Chloroform	mg/Kg	0.02	.02	101	70 - 130	.02	103	1	20	T
1,2-Dichloroethane	mg/Kg	0.02	.02	101		.02	105	4		T
1,1,1-Trichloroethane	mg/Kg	0.02	.02	96		.02	96	0		T
Carbon Tetrachloride	mg/Kg	0.02	.02	99		.02	98	1		T
Benzene	mg/Kg	0.02	.02	101	70 - 130	.02	102	2	20	T
1,2-Dichloropropane	mg/Kg	0.02	.02	103		.02	105	2		T
Trichloroethene	mg/Kg	0.02	.02	100	70 - 130	.02	102	1	20	T
Bromodichloromethane	mg/Kg	0.02	.02	98		.02	100	2		T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

QC Batch: MSVt/3561
Preparation Method: SW-846 5035
Associated Lab IDs: T2202528012

Analysis Method: SW-846 8260B

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
cis-1,3-Dichloropropene	mg/Kg	0.02	.02	100		.02	102	2		T
trans-1,3-Dichloropropylene	mg/Kg	0.02	.02	101		.02	102	1		T
1,1,2-Trichloroethane	mg/Kg	0.02	.02	103		.02	104	1		T
Toluene	mg/Kg	0.02	.02	92	70 - 130	.02	95	3	20	T
Dibromochloromethane	mg/Kg	0.02	.02	86		.02	88	3		T
Tetrachloroethylene (PCE)	mg/Kg	0.02	.02	85	70 - 130	.02	87	3	20	T
Chlorobenzene	mg/Kg	0.02	.02	91	70 - 130	.02	94	3	20	T
Ethylbenzene	mg/Kg	0.02	.02	93	70 - 130	.02	97	4	20	T
Bromoform	mg/Kg	0.02	.02	78		.02	81	3		T
1,1,2,2-Tetrachloroethane	mg/Kg	0.02	.02	94		.02	98	4		T
1,3-Dichlorobenzene	mg/Kg	0.02	.02	92	70 - 130	.02	95	3	20	T
1,4-Dichlorobenzene	mg/Kg	0.02	.02	90		.02	96	6		T
1,2-Dichlorobenzene	mg/Kg	0.02	.02	91	70 - 130	.02	96	5	20	T
Xylene (Total)	mg/Kg	0.06	.06	97	70 - 130	.06	100	3	20	T
2-Chloroethyl Vinyl Ether	mg/Kg	0.02	.03	137		.03	163	17		T
Acrolein (Propenal)	mg/Kg	0.10	.06	58		.06	58	0		T
Acrylonitrile	mg/Kg	0.02	.02	102		.02	102	0		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	98	69 - 134	48	97	2		
Bromofluorobenzene (S)	ug/L	50	51	102	79 - 126	52	104	2		
Toluene-d8 (S)	ug/L	50	46	92	72 - 122	47	93	2		

Matrix Spike (4198526); Parent Lab Sample (T2202642002)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Dichlorodifluoromethane	mg/Kg	0.02	.01	70		T
Chloromethane	mg/Kg	0.02	.02	76		T
Vinyl Chloride	mg/Kg	0.02	.02	81	70 - 130	T
Bromomethane	mg/Kg	0.02	.01	64		T
Chloroethane	mg/Kg	0.02	.02	78		T
Trichlorofluoromethane	mg/Kg	0.02	.02	82		T
1,1-Dichloroethylene	mg/Kg	0.02	.02	100	70 - 130	T
Methylene Chloride	mg/Kg	0.02	.02	111		T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

QC Batch: MSVt/3561
Preparation Method: SW-846 5035
Associated Lab IDs: T2202528012

Analysis Method: SW-846 8260B

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
trans-1,2-Dichloroethylene	mg/Kg	0.02	.02	99		T
Methyl tert-butyl Ether (MTBE)	mg/Kg	0.02	.02	108	70 - 130	T
1,1-Dichloroethane	mg/Kg	0.02	.02	97		T
cis-1,2-Dichloroethylene	mg/Kg	0.02	.02	100	70 - 130	T
Chloroform	mg/Kg	0.02	.02	101	70 - 130	T
1,2-Dichloroethane	mg/Kg	0.02	.02	104		T
1,1,1-Trichloroethane	mg/Kg	0.02	.02	96		T
Carbon Tetrachloride	mg/Kg	0.02	.02	98		T
Benzene	mg/Kg	0.02	.02	101	70 - 130	T
1,2-Dichloropropane	mg/Kg	0.02	.02	105		T
Trichloroethene	mg/Kg	0.02	.02	99	70 - 130	T
Bromodichloromethane	mg/Kg	0.02	.02	99		T
cis-1,3-Dichloropropene	mg/Kg	0.02	.02	102		T
trans-1,3-Dichloropropylene	mg/Kg	0.02	.02	102		T
1,1,2-Trichloroethane	mg/Kg	0.02	.02	101		T
Toluene	mg/Kg	0.02	.02	93	70 - 130	T
Dibromochloromethane	mg/Kg	0.02	.02	88		T
Tetrachloroethylene (PCE)	mg/Kg	0.02	.02	87	70 - 130	T
Chlorobenzene	mg/Kg	0.02	.02	93	70 - 130	T
Ethylbenzene	mg/Kg	0.02	.02	95	70 - 130	T
Bromoform	mg/Kg	0.02	.02	80		T
1,1,2,2-Tetrachloroethane	mg/Kg	0.02	.02	96		T
1,3-Dichlorobenzene	mg/Kg	0.02	.02	94	70 - 130	T
1,4-Dichlorobenzene	mg/Kg	0.02	.02	93		T
1,2-Dichlorobenzene	mg/Kg	0.02	.02	95	70 - 130	T
Xylene (Total)	mg/Kg	0.06	.06	98	70 - 130	T
2-Chloroethyl Vinyl Ether	mg/Kg	0.02	.04	174		T
Acrolein (Propenal)	mg/Kg	0.10	.06	56		T
Acrylonitrile	mg/Kg	0.02	.02	101		T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	48	97	69 - 134	
Bromofluorobenzene (S)	ug/L	50	52	104	79 - 126	

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

QC Batch: MSVt/3561
Preparation Method: SW-846 5035
Associated Lab IDs: T2202528012

Analysis Method: SW-846 8260B

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Toluene-d8 (S)	ug/L	50	47	93	72 - 122	

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
GCSm/1896 - EPA 8081			
T2202528001	SB-27@0-6"	EXTm/2479	SW-846 3550B
T2202528002	SB-26@0-6"	EXTm/2479	SW-846 3550B
T2202528003	SB-25@0-6"	EXTm/2479	SW-846 3550B
T2202528004	SB-24@0-6"	EXTm/2479	SW-846 3550B
T2202528005	SB-23@0-6"	EXTm/2479	SW-846 3550B
T2202528006	SB-22@0-6"	EXTm/2479	SW-846 3550B
T2202528007	SB-21@0-6"	EXTm/2479	SW-846 3550B
GCSm/1897 - SW-846 8082A			
T2202528001	SB-27@0-6"	EXTm/2480	SW-846 3550B
T2202528002	SB-26@0-6"	EXTm/2480	SW-846 3550B
T2202528003	SB-25@0-6"	EXTm/2480	SW-846 3550B
T2202528004	SB-24@0-6"	EXTm/2480	SW-846 3550B
T2202528005	SB-23@0-6"	EXTm/2480	SW-846 3550B
T2202528006	SB-22@0-6"	EXTm/2480	SW-846 3550B
T2202528007	SB-21@0-6"	EXTm/2480	SW-846 3550B
GCSm/1899 - EPA 8081			
T2202528008	SB-20@0-6"	EXTm/2483	SW-846 3550B
T2202528009	SB-19@0-6"	EXTm/2483	SW-846 3550B
T2202528010	SB-18@0-6"	EXTm/2483	SW-846 3550B
T2202528011	SB-17@0-6"	EXTm/2483	SW-846 3550B
T2202528012	SB-28@0-6"	EXTm/2483	SW-846 3550B
GCSm/1900 - SW-846 8082A			
T2202528008	SB-20@0-6"	EXTm/2484	SW-846 3550B
T2202528009	SB-19@0-6"	EXTm/2484	SW-846 3550B
T2202528010	SB-18@0-6"	EXTm/2484	SW-846 3550B
T2202528011	SB-17@0-6"	EXTm/2484	SW-846 3550B
T2202528012	SB-28@0-6"	EXTm/2484	SW-846 3550B

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
GCSt/2043 - FL-PRO			
T2202528001	SB-27@0-6"	EXTt/2440	FL-PRO
T2202528002	SB-26@0-6"	EXTt/2440	FL-PRO
T2202528003	SB-25@0-6"	EXTt/2440	FL-PRO
T2202528004	SB-24@0-6"	EXTt/2440	FL-PRO
T2202528005	SB-23@0-6"	EXTt/2440	FL-PRO
T2202528006	SB-22@0-6"	EXTt/2440	FL-PRO
T2202528007	SB-21@0-6"	EXTt/2440	FL-PRO
T2202528008	SB-20@0-6"	EXTt/2440	FL-PRO
T2202528009	SB-19@0-6"	EXTt/2440	FL-PRO
T2202528010	SB-18@0-6"	EXTt/2440	FL-PRO
T2202528011	SB-17@0-6"	EXTt/2440	FL-PRO
T2202528012	SB-28@0-6"	EXTt/2440	FL-PRO
ICPt/2341 - SW-846 6010			
T2202528001	SB-27@0-6"	DGMt/3285	SW-846 3050B
T2202528002	SB-26@0-6"	DGMt/3285	SW-846 3050B
T2202528003	SB-25@0-6"	DGMt/3285	SW-846 3050B
T2202528004	SB-24@0-6"	DGMt/3285	SW-846 3050B
T2202528005	SB-23@0-6"	DGMt/3285	SW-846 3050B
T2202528006	SB-22@0-6"	DGMt/3285	SW-846 3050B
T2202528007	SB-21@0-6"	DGMt/3285	SW-846 3050B
T2202528008	SB-20@0-6"	DGMt/3285	SW-846 3050B
T2202528009	SB-19@0-6"	DGMt/3285	SW-846 3050B
T2202528010	SB-18@0-6"	DGMt/3285	SW-846 3050B
T2202528011	SB-17@0-6"	DGMt/3285	SW-846 3050B
ICPt/2342 - SW-846 6010			
T2202528012	SB-28@0-6"	DGMt/3286	SW-846 3050B

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
MSSt/1673 - SW-846 8270C (SIM)			
T2202528001	SB-27@0-6"	EXTt/2439	SW-846 3550B
T2202528002	SB-26@0-6"	EXTt/2439	SW-846 3550B
T2202528003	SB-25@0-6"	EXTt/2439	SW-846 3550B
T2202528004	SB-24@0-6"	EXTt/2439	SW-846 3550B
T2202528005	SB-23@0-6"	EXTt/2439	SW-846 3550B
T2202528006	SB-22@0-6"	EXTt/2439	SW-846 3550B
T2202528007	SB-21@0-6"	EXTt/2439	SW-846 3550B
T2202528008	SB-20@0-6"	EXTt/2439	SW-846 3550B
T2202528009	SB-19@0-6"	EXTt/2439	SW-846 3550B
T2202528010	SB-18@0-6"	EXTt/2439	SW-846 3550B
T2202528011	SB-17@0-6"	EXTt/2439	SW-846 3550B
T2202528012	SB-28@0-6"	EXTt/2439	SW-846 3550B
MSSt/1674 - SW-846 8270C			
T2202528001	SB-27@0-6"	EXTt/2438	SW-846 3550B
T2202528002	SB-26@0-6"	EXTt/2438	SW-846 3550B
T2202528003	SB-25@0-6"	EXTt/2438	SW-846 3550B
T2202528004	SB-24@0-6"	EXTt/2438	SW-846 3550B
T2202528005	SB-23@0-6"	EXTt/2438	SW-846 3550B
T2202528006	SB-22@0-6"	EXTt/2438	SW-846 3550B
MSSt/1679 - SW-846 8270C			
T2202528007	SB-21@0-6"	EXTt/2452	SW-846 3550B
T2202528008	SB-20@0-6"	EXTt/2452	SW-846 3550B
T2202528009	SB-19@0-6"	EXTt/2452	SW-846 3550B
T2202528010	SB-18@0-6"	EXTt/2452	SW-846 3550B
T2202528011	SB-17@0-6"	EXTt/2452	SW-846 3550B
T2202528012	SB-28@0-6"	EXTt/2452	SW-846 3550B

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
MSVt/3551 - SW-846 8260B			
T2202528001	SB-27@0-6"	MSVt/3550	SW-846 5035
T2202528002	SB-26@0-6"	MSVt/3550	SW-846 5035
T2202528003	SB-25@0-6"	MSVt/3550	SW-846 5035
T2202528004	SB-24@0-6"	MSVt/3550	SW-846 5035
T2202528005	SB-23@0-6"	MSVt/3550	SW-846 5035
T2202528006	SB-22@0-6"	MSVt/3550	SW-846 5035
T2202528007	SB-21@0-6"	MSVt/3550	SW-846 5035
T2202528008	SB-20@0-6"	MSVt/3550	SW-846 5035
T2202528009	SB-19@0-6"	MSVt/3550	SW-846 5035
T2202528010	SB-18@0-6"	MSVt/3550	SW-846 5035
T2202528011	SB-17@0-6"	MSVt/3550	SW-846 5035
MSVt/3561 - SW-846 8260B			
T2202528012	SB-28@0-6"	MSVt/3560	SW-846 5035
WCAt/10173 - SM 2540G			
T2202528001	SB-27@0-6"		
WCAt/10174 - SM 2540G			
T2202528002	SB-26@0-6"		
T2202528003	SB-25@0-6"		
T2202528004	SB-24@0-6"		
T2202528005	SB-23@0-6"		
T2202528006	SB-22@0-6"		
T2202528007	SB-21@0-6"		
T2202528008	SB-20@0-6"		
T2202528009	SB-19@0-6"		
WCAt/10187 - SM 2540G			
T2202528010	SB-18@0-6"		
T2202528011	SB-17@0-6"		
WCAt/10217 - SM 2540G			
T2202528012	SB-28@0-6"		

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

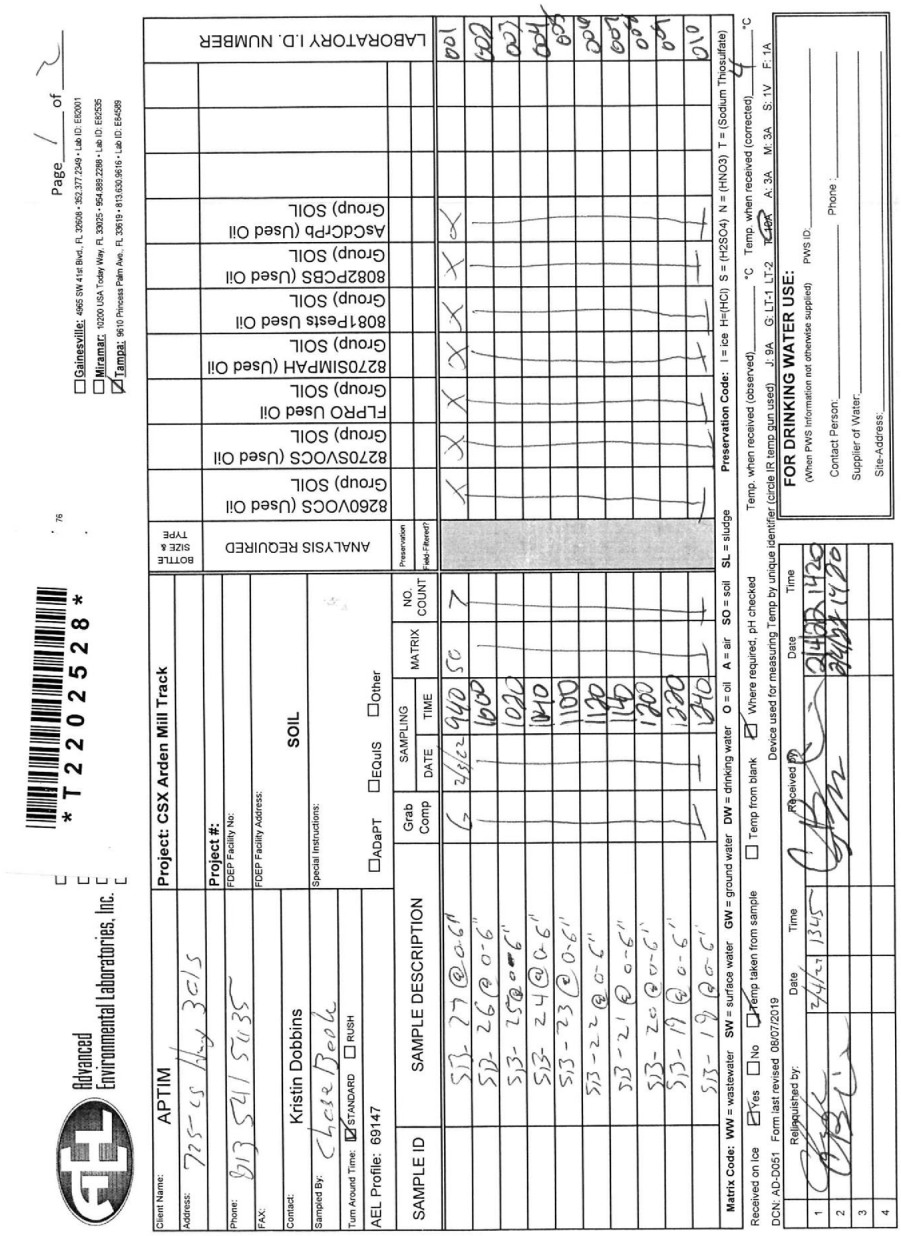
POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)



Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

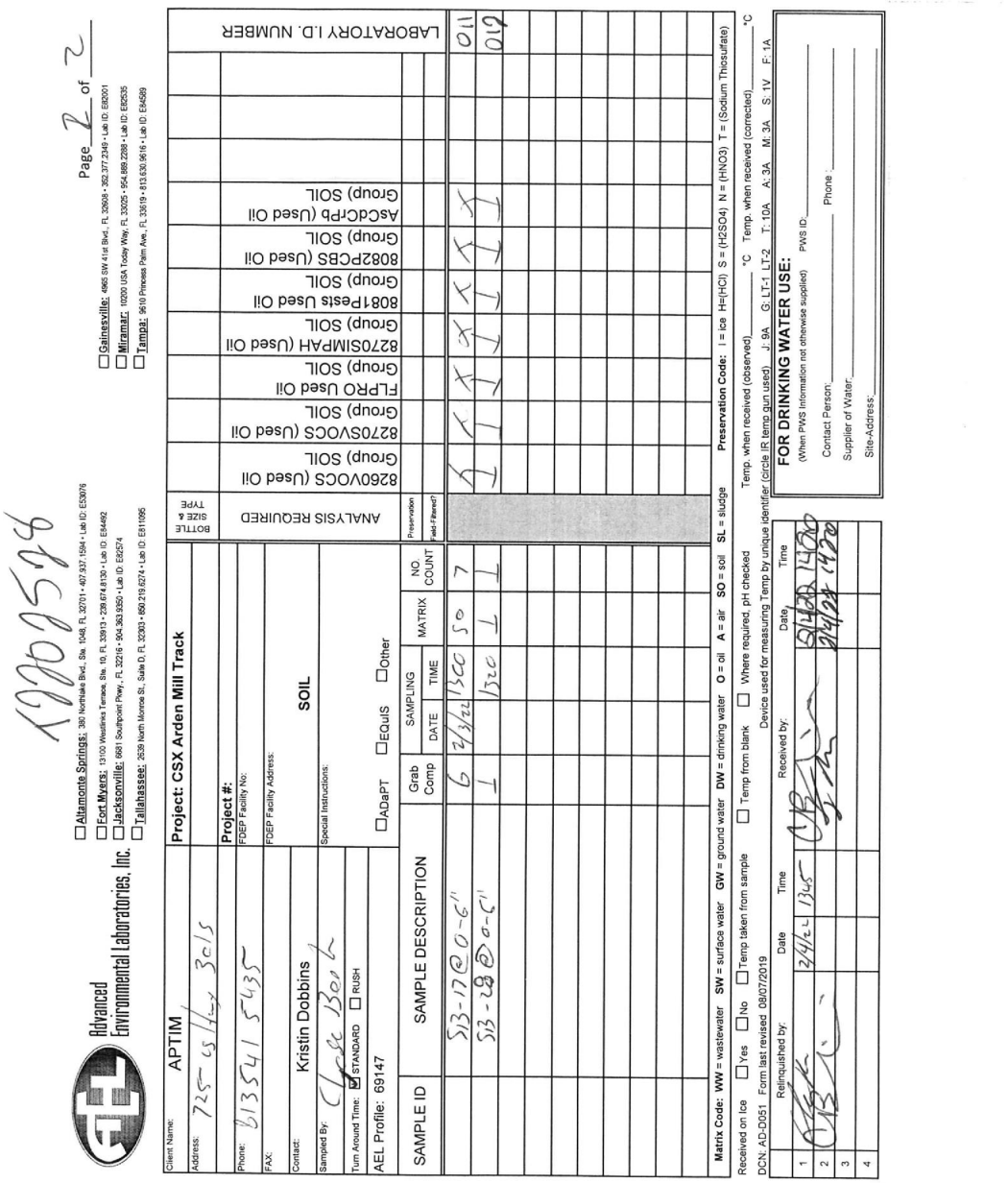
POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202528)



Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc.

Work Order: T2202528
Client: APTIM
Project ID: CSX Arden Mill Track

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: SW-846 8082A

Preparation: SW-846 3550B

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: All acceptance criteria were met.

Blanks: All acceptance criteria were met.

Surrogates: The upper control criterion was exceeded for the surrogates in sample MS . 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. The outlier surrogates are qualified with a J4 to indicate potential matrix interference

The lower control criteria were exceeded for surrogate(s) DCB in MB , LCS , MSD , T2202528008 , 009 , 010 , 012. The associated QC analysis recoveries of target compounds were in control, indicating the analysis was in control. The surrogate outliers were flagged accordingly. No further corrective action was required.

Spikes All acceptance criteria were met.

Internal Standard: All acceptance criteria were met.

Samples: All acceptance criteria were met.

Other: All acceptance criteria were met.

Serial Dilution: All acceptance criteria were met.

Duplicates: All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: T2202528
Client: APTIM
Project ID: CSX Arden Mill Track

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation:	All holding times were met.
Analysis:	All holding times were met.

III. Method

Analysis:	SW-846 8260B
Preparation:	SW-846 5035

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration:	All acceptance criteria were met.
Blanks:	All acceptance criteria were met.
Surrogates:	The upper control criterion was exceeded for the surrogates in sample T2202227001. 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. The outlier surrogates are qualified with a J4 to indicate potential matrix interference
Spikes	All acceptance criteria were met.
Internal Standard:	All acceptance criteria were met.
Samples:	All acceptance criteria were met.
Other:	All acceptance criteria were met.
Serial Dilution:	All acceptance criteria were met.
Duplicates:	All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: T2202528
Client: APTIM
Project ID: CSX Arden Mill Track

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: SW-846 8082A

Preparation: SW-846 3550B

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: All acceptance criteria were met.

Blanks: All acceptance criteria were met.

Surrogates: The upper control criterion was exceeded for the surrogates in sample T2202528003. 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. The outlier surrogates are qualified with a J4 to indicate potential matrix interference

The lower control criteria were exceeded for surrogate(s) DCB in MB , MSD , T2202342013 , T2202524002 , 005 , 006 , 008 , 009 , 010 , 012 , T2202528002 , 004 , 005 , 007. The associated QC analysis recoveries of target compounds were in control, indicating the analysis was in control. The surrogate outliers were flagged accordingly. No further corrective action was required.

Spikes All acceptance criteria were met.

Internal Standard: All acceptance criteria were met.

Samples: All acceptance criteria were met.

Other: All acceptance criteria were met.

Serial Dilution: All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Duplicates: All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: T2202528
Client: APTIM
Project ID: CSX Arden Mill Track

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: EPA 8081

Preparation: SW-846 3550B

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: The upper control criterion was exceeded for several target analytes in Continuing Calibration Verification (CCV) standards for analytical batch 1899, 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.

Blanks: All acceptance criteria were met.

Surrogates: The lower control criteria were exceeded for surrogate(s) DCB in MB , T2202528009 , 008 , 010 , 012. The associated QC analysis recoveries of target compounds were in control, indicating the analysis was in control. The surrogate outliers were flagged accordingly. No further corrective action was required.

Spikes The matrix spike and MSD recoveries of delta-BHC for T2202528008 were outside control criteria due to the presence of target analytes in the sample. Recovery in the Laboratory Control Sample (LCS) was acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential low bias in this matrix. The affected sample is qualified to indicate matrix interference.

Internal Standard: All acceptance criteria were met.

Samples: All acceptance criteria were met.

Other: All acceptance criteria were met.

Serial Dilution: All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Duplicates: All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: T2202528
Client: APTIM
Project ID: CSX Arden Mill Track

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: EPA 8081

Preparation: SW-846 3550B

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: All acceptance criteria were met.

Blanks: All acceptance criteria were met.

Surrogates: The lower control criteria were exceeded for surrogate(s) DCB in MB, T2202342013 , T2202524001 , 002 , 003 , 005 , 006 , 008 , 009 , 010 , 012 , T2202528004 , 005 , 006 , 007. The associated QC analysis recoveries of target compounds were in control, indicating the analysis was in control. The surrogate outliers were flagged accordingly. No further corrective action was required.

The upper control criterion was exceeded for the surrogates in sample T2202528003. 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. The outlier surrogates are qualified with a J4 to indicate potential matrix interference

Spikes The matrix spike (MS) and MSD recoveries of delta-BHC , DDT for T2202524001 were outside control criteria. Recoveries in the Laboratory Control Sample (LCS) 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 is required.

Internal Standard: All acceptance criteria were met.

Samples: All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Other:	All acceptance criteria were met.
Serial Dilution:	All acceptance criteria were met.
Duplicates:	All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: T2202528
Client: APTIM
Project ID: CSX Arden Mill Track

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation:	All holding times were met.
Analysis:	All holding times were met.

III. Method

Analysis:	SW-846 8270C
Preparation:	SW-846 3550B

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration:	All acceptance criteria were met.
Blanks:	All acceptance criteria were met.
Surrogates:	All acceptance criteria were met.
Spikes	All acceptance criteria were met.
Internal Standard:	All acceptance criteria were met.
Samples:	The samples T2202524009 and 010 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.
Other:	All acceptance criteria were met.
Serial Dilution:	All acceptance criteria were met.
Duplicates:	All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: T2202528
Client: APTIM
Project ID: CSX Arden Mill Track

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation:	All holding times were met.
Analysis:	All holding times were met.

III. Method

Analysis:	FL-PRO
Preparation:	FL-PRO

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration:	All acceptance criteria were met.
Blanks:	All acceptance criteria were met.
Surrogates:	The lower control criterion was exceeded for the following surrogate in sample T2202642001, due to suspected matrix interference: o-Terphenyl. The extract was yellow in color. The affected surrogate has been qualified accordingly.
Spikes	All acceptance criteria were met.
Internal Standard:	All acceptance criteria were met.
Samples:	All acceptance criteria were met.
Other:	All acceptance criteria were met.
Serial Dilution:	All acceptance criteria were met.
Duplicates:	All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: T2202528
Client: APTIM
Project ID: CSX Arden Mill Track

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation:	All holding times were met.
Analysis:	All holding times were met.

III. Method

Analysis:	SW-846 6010
Preparation:	SW-846 3050B

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration:	All acceptance criteria were met.
Blanks:	All acceptance criteria were met.
Surrogates:	All acceptance criteria were met.
Spikes	The matrix spike (MS) and Matrix Spike Duplicate (MSD) recoveries of Lead for T2202528012 were outside control criteria. Recoveries in the Laboratory Control Sample (LCS) 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 is required.
Internal Standard:	All acceptance criteria were met.
Samples:	All acceptance criteria were met.
Other:	All acceptance criteria were met.
Serial Dilution:	All acceptance criteria were met.
Duplicates:	All acceptance criteria were met.

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

February 15, 2022

Kristin Dobbins
Aptim
725 US Hwy 1
Tampa, FL 33619

RE: Workorder: T2202524 CSX Arden Mill Track

Dear Kristin Dobbins:

Enclosed are the analytical results for sample(s) received by the laboratory on Friday February 4, 2022. 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,

Sue Bell, Sr Project Manager
SBell@aellab.com

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported
T2202524001	SB-29@0-6"	SO	EPA 8081	02/04/2022 10:00	02/04/2022 14:20	19
T2202524001	SB-29@0-6"	SO	FL-PRO	02/04/2022 10:00	02/04/2022 14:20	1
T2202524001	SB-29@0-6"	SO	SM 2540G	02/04/2022 10:00	02/04/2022 14:20	1
T2202524001	SB-29@0-6"	SO	SW-846 6010	02/04/2022 10:00	02/04/2022 14:20	4
T2202524001	SB-29@0-6"	SO	SW-846 8082A	02/04/2022 10:00	02/04/2022 14:20	7
T2202524001	SB-29@0-6"	SO	SW-846 8260B	02/04/2022 10:00	02/04/2022 14:20	37
T2202524001	SB-29@0-6"	SO	SW-846 8270C	02/04/2022 10:00	02/04/2022 14:20	59
T2202524001	SB-29@0-6"	SO	SW-846 8270C (SIM)	02/04/2022 10:00	02/04/2022 14:20	18
T2202524002	SB-30@0-6"	SO	EPA 8081	02/04/2022 10:20	02/04/2022 14:20	19
T2202524002	SB-30@0-6"	SO	FL-PRO	02/04/2022 10:20	02/04/2022 14:20	1
T2202524002	SB-30@0-6"	SO	SM 2540G	02/04/2022 10:20	02/04/2022 14:20	1
T2202524002	SB-30@0-6"	SO	SW-846 6010	02/04/2022 10:20	02/04/2022 14:20	4
T2202524002	SB-30@0-6"	SO	SW-846 8082A	02/04/2022 10:20	02/04/2022 14:20	7
T2202524002	SB-30@0-6"	SO	SW-846 8260B	02/04/2022 10:20	02/04/2022 14:20	37
T2202524002	SB-30@0-6"	SO	SW-846 8270C	02/04/2022 10:20	02/04/2022 14:20	59
T2202524002	SB-30@0-6"	SO	SW-846 8270C (SIM)	02/04/2022 10:20	02/04/2022 14:20	18
T2202524003	SB-31@0-6"	SO	EPA 8081	02/04/2022 10:40	02/04/2022 14:20	19
T2202524003	SB-31@0-6"	SO	FL-PRO	02/04/2022 10:40	02/04/2022 14:20	1
T2202524003	SB-31@0-6"	SO	SM 2540G	02/04/2022 10:40	02/04/2022 14:20	1
T2202524003	SB-31@0-6"	SO	SW-846 6010	02/04/2022 10:40	02/04/2022 14:20	4
T2202524003	SB-31@0-6"	SO	SW-846 8082A	02/04/2022 10:40	02/04/2022 14:20	7
T2202524003	SB-31@0-6"	SO	SW-846 8260B	02/04/2022 10:40	02/04/2022 14:20	37
T2202524003	SB-31@0-6"	SO	SW-846 8270C	02/04/2022 10:40	02/04/2022 14:20	59
T2202524003	SB-31@0-6"	SO	SW-846 8270C (SIM)	02/04/2022 10:40	02/04/2022 14:20	18
T2202524004	SB-32@0-6"	SO	EPA 8081	02/04/2022 11:00	02/04/2022 14:20	19
T2202524004	SB-32@0-6"	SO	FL-PRO	02/04/2022 11:00	02/04/2022 14:20	1
T2202524004	SB-32@0-6"	SO	SM 2540G	02/04/2022 11:00	02/04/2022 14:20	1
T2202524004	SB-32@0-6"	SO	SW-846 6010	02/04/2022 11:00	02/04/2022 14:20	4
T2202524004	SB-32@0-6"	SO	SW-846 8082A	02/04/2022 11:00	02/04/2022 14:20	7
T2202524004	SB-32@0-6"	SO	SW-846 8260B	02/04/2022 11:00	02/04/2022 14:20	37
T2202524004	SB-32@0-6"	SO	SW-846 8270C	02/04/2022 11:00	02/04/2022 14:20	59
T2202524004	SB-32@0-6"	SO	SW-846 8270C (SIM)	02/04/2022 11:00	02/04/2022 14:20	18
T2202524005	SB-33@0-6"	SO	EPA 8081	02/04/2022 11:20	02/04/2022 14:20	19
T2202524005	SB-33@0-6"	SO	FL-PRO	02/04/2022 11:20	02/04/2022 14:20	1
T2202524005	SB-33@0-6"	SO	SM 2540G	02/04/2022 11:20	02/04/2022 14:20	1

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported
T2202524005	SB-33@0-6"	SO	SW-846 6010	02/04/2022 11:20	02/04/2022 14:20	4
T2202524005	SB-33@0-6"	SO	SW-846 8082A	02/04/2022 11:20	02/04/2022 14:20	7
T2202524005	SB-33@0-6"	SO	SW-846 8260B	02/04/2022 11:20	02/04/2022 14:20	37
T2202524005	SB-33@0-6"	SO	SW-846 8270C	02/04/2022 11:20	02/04/2022 14:20	59
T2202524005	SB-33@0-6"	SO	SW-846 8270C (SIM)	02/04/2022 11:20	02/04/2022 14:20	18
T2202524006	SB-34@0-6"	SO	EPA 8081	02/04/2022 11:40	02/04/2022 14:20	19
T2202524006	SB-34@0-6"	SO	FL-PRO	02/04/2022 11:40	02/04/2022 14:20	1
T2202524006	SB-34@0-6"	SO	SM 2540G	02/04/2022 11:40	02/04/2022 14:20	1
T2202524006	SB-34@0-6"	SO	SW-846 6010	02/04/2022 11:40	02/04/2022 14:20	4
T2202524006	SB-34@0-6"	SO	SW-846 8082A	02/04/2022 11:40	02/04/2022 14:20	7
T2202524006	SB-34@0-6"	SO	SW-846 8260B	02/04/2022 11:40	02/04/2022 14:20	37
T2202524006	SB-34@0-6"	SO	SW-846 8270C	02/04/2022 11:40	02/04/2022 14:20	59
T2202524006	SB-34@0-6"	SO	SW-846 8270C (SIM)	02/04/2022 11:40	02/04/2022 14:20	18
T2202524007	SB-35@0-6"	SO	EPA 8081	02/04/2022 12:00	02/04/2022 14:20	19
T2202524007	SB-35@0-6"	SO	FL-PRO	02/04/2022 12:00	02/04/2022 14:20	1
T2202524007	SB-35@0-6"	SO	SM 2540G	02/04/2022 12:00	02/04/2022 14:20	1
T2202524007	SB-35@0-6"	SO	SW-846 6010	02/04/2022 12:00	02/04/2022 14:20	4
T2202524007	SB-35@0-6"	SO	SW-846 8082A	02/04/2022 12:00	02/04/2022 14:20	7
T2202524007	SB-35@0-6"	SO	SW-846 8260B	02/04/2022 12:00	02/04/2022 14:20	37
T2202524007	SB-35@0-6"	SO	SW-846 8270C	02/04/2022 12:00	02/04/2022 14:20	59
T2202524007	SB-35@0-6"	SO	SW-846 8270C (SIM)	02/04/2022 12:00	02/04/2022 14:20	18
T2202524008	SB-36@0-6"	SO	EPA 8081	02/04/2022 12:15	02/04/2022 14:20	19
T2202524008	SB-36@0-6"	SO	FL-PRO	02/04/2022 12:15	02/04/2022 14:20	1
T2202524008	SB-36@0-6"	SO	SM 2540G	02/04/2022 12:15	02/04/2022 14:20	1
T2202524008	SB-36@0-6"	SO	SW-846 6010	02/04/2022 12:15	02/04/2022 14:20	4
T2202524008	SB-36@0-6"	SO	SW-846 8082A	02/04/2022 12:15	02/04/2022 14:20	7
T2202524008	SB-36@0-6"	SO	SW-846 8260B	02/04/2022 12:15	02/04/2022 14:20	37
T2202524008	SB-36@0-6"	SO	SW-846 8270C	02/04/2022 12:15	02/04/2022 14:20	59
T2202524008	SB-36@0-6"	SO	SW-846 8270C (SIM)	02/04/2022 12:15	02/04/2022 14:20	18
T2202524009	SB-37@0-6"	SO	EPA 8081	02/04/2022 12:30	02/04/2022 14:20	19
T2202524009	SB-37@0-6"	SO	FL-PRO	02/04/2022 12:30	02/04/2022 14:20	1
T2202524009	SB-37@0-6"	SO	SM 2540G	02/04/2022 12:30	02/04/2022 14:20	1
T2202524009	SB-37@0-6"	SO	SW-846 6010	02/04/2022 12:30	02/04/2022 14:20	4
T2202524009	SB-37@0-6"	SO	SW-846 8082A	02/04/2022 12:30	02/04/2022 14:20	7
T2202524009	SB-37@0-6"	SO	SW-846 8260B	02/04/2022 12:30	02/04/2022 14:20	37

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported
T2202524009	SB-37@0-6"	SO	SW-846 8270C	02/04/2022 12:30	02/04/2022 14:20	59
T2202524009	SB-37@0-6"	SO	SW-846 8270C (SIM)	02/04/2022 12:30	02/04/2022 14:20	18
T2202524010	SB-38@0-6"	SO	EPA 8081	02/04/2022 12:45	02/04/2022 14:20	19
T2202524010	SB-38@0-6"	SO	FL-PRO	02/04/2022 12:45	02/04/2022 14:20	1
T2202524010	SB-38@0-6"	SO	SM 2540G	02/04/2022 12:45	02/04/2022 14:20	1
T2202524010	SB-38@0-6"	SO	SW-846 6010	02/04/2022 12:45	02/04/2022 14:20	4
T2202524010	SB-38@0-6"	SO	SW-846 8082A	02/04/2022 12:45	02/04/2022 14:20	7
T2202524010	SB-38@0-6"	SO	SW-846 8260B	02/04/2022 12:45	02/04/2022 14:20	37
T2202524010	SB-38@0-6"	SO	SW-846 8270C	02/04/2022 12:45	02/04/2022 14:20	59
T2202524010	SB-38@0-6"	SO	SW-846 8270C (SIM)	02/04/2022 12:45	02/04/2022 14:20	18
T2202524011	SB-39@0-6"	SO	EPA 8081	02/04/2022 13:00	02/04/2022 14:20	19
T2202524011	SB-39@0-6"	SO	FL-PRO	02/04/2022 13:00	02/04/2022 14:20	1
T2202524011	SB-39@0-6"	SO	SM 2540G	02/04/2022 13:00	02/04/2022 14:20	1
T2202524011	SB-39@0-6"	SO	SW-846 6010	02/04/2022 13:00	02/04/2022 14:20	4
T2202524011	SB-39@0-6"	SO	SW-846 8082A	02/04/2022 13:00	02/04/2022 14:20	7
T2202524011	SB-39@0-6"	SO	SW-846 8260B	02/04/2022 13:00	02/04/2022 14:20	37
T2202524011	SB-39@0-6"	SO	SW-846 8270C	02/04/2022 13:00	02/04/2022 14:20	59
T2202524011	SB-39@0-6"	SO	SW-846 8270C (SIM)	02/04/2022 13:00	02/04/2022 14:20	18
T2202524012	SB-40@0-6"	SO	EPA 8081	02/04/2022 13:20	02/04/2022 14:20	19
T2202524012	SB-40@0-6"	SO	FL-PRO	02/04/2022 13:20	02/04/2022 14:20	1
T2202524012	SB-40@0-6"	SO	SM 2540G	02/04/2022 13:20	02/04/2022 14:20	1
T2202524012	SB-40@0-6"	SO	SW-846 6010	02/04/2022 13:20	02/04/2022 14:20	4
T2202524012	SB-40@0-6"	SO	SW-846 8082A	02/04/2022 13:20	02/04/2022 14:20	7
T2202524012	SB-40@0-6"	SO	SW-846 8260B	02/04/2022 13:20	02/04/2022 14:20	37
T2202524012	SB-40@0-6"	SO	SW-846 8270C	02/04/2022 13:20	02/04/2022 14:20	59
T2202524012	SB-40@0-6"	SO	SW-846 8270C (SIM)	02/04/2022 13:20	02/04/2022 14:20	18
T2202524013	RS-1	SO	SM 2540G	02/04/2022 08:45	02/04/2022 14:20	1
T2202524013	RS-1	SO	SW-846 6010	02/04/2022 08:45	02/04/2022 14:20	1
T2202524014	RS-2	SO	SM 2540G	02/04/2022 08:50	02/04/2022 14:20	1
T2202524014	RS-2	SO	SW-846 6010	02/04/2022 08:50	02/04/2022 14:20	1
T2202524015	RS-3	SO	SM 2540G	02/04/2022 08:55	02/04/2022 14:20	1
T2202524015	RS-3	SO	SW-846 6010	02/04/2022 08:55	02/04/2022 14:20	1
T2202524016	RS-4	SO	SM 2540G	02/04/2022 09:05	02/04/2022 14:20	1
T2202524016	RS-4	SO	SW-846 6010	02/04/2022 09:05	02/04/2022 14:20	1
T2202524017	RS-5	SO	SM 2540G	02/04/2022 09:10	02/04/2022 14:20	1

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported
T2202524017	RS-5	SO	SW-846 6010	02/04/2022 09:10	02/04/2022 14:20	1
T2202524018	RS-6	SO	SM 2540G	02/04/2022 09:15	02/04/2022 14:20	1
T2202524018	RS-6	SO	SW-846 6010	02/04/2022 09:15	02/04/2022 14:20	1
T2202524019	RS-7	SO	SM 2540G	02/04/2022 09:25	02/04/2022 14:20	1
T2202524019	RS-7	SO	SW-846 6010	02/04/2022 09:25	02/04/2022 14:20	1
T2202524020	RS-8	SO	SM 2540G	02/04/2022 09:35	02/04/2022 14:20	1
T2202524020	RS-8	SO	SW-846 6010	02/04/2022 09:35	02/04/2022 14:20	1
T2202524021	RS-9	SO	SM 2540G	02/04/2022 09:40	02/04/2022 14:20	1
T2202524021	RS-9	SO	SW-846 6010	02/04/2022 09:40	02/04/2022 14:20	1
T2202524022	RS-10	SO	SM 2540G	02/04/2022 09:45	02/04/2022 14:20	1
T2202524022	RS-10	SO	SW-846 6010	02/04/2022 09:45	02/04/2022 14:20	1

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

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.
J4	Estimated Result

Lab Qualifiers

M	DOH Certification #E82535 (FL NELAC) AEL-Miami
T	DOH Certification #E84589 (FL NELAC) AEL-Tampa

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524001 **Date Collected:** 02/04/2022 10:00 **Matrix:** Soil
Sample ID: SB-29@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**2.8**	mg/Kg	0.27	0.13	1	02/08/2022 15:00	02/09/2022 17:22	T
Cadmium	**0.44**	mg/Kg	0.054	0.027	1	02/08/2022 15:00	02/09/2022 17:22	T
Chromium	**6.1**	mg/Kg	0.27	0.22	1	02/08/2022 15:00	02/09/2022 17:22	T
Lead	**100**	mg/Kg	0.27	0.13	1	02/08/2022 15:00	02/09/2022 17:22	T
SEMIVOLATILES (FL-PRO)								
TPH	**20**	mg/Kg	14	5.0	1	02/07/2022 16:15	02/08/2022 15:12	T
SEMIVOLATILES (SW-846 3550B/EPA 8081)								
4,4`-DDD	0.0010 U	mg/Kg	0.0015	0.0010	1	02/07/2022 07:30	02/07/2022 14:50	M
4,4`-DDE	**0.0053**	mg/Kg	0.0015	0.0010	1	02/07/2022 07:30	02/07/2022 14:50	M
4,4`-DDT	**0.015**	mg/Kg	0.0015	0.0010	1	02/07/2022 07:30	02/07/2022 14:50	M
Aldrin	0.0010 U	mg/Kg	0.0015	0.0010	1	02/07/2022 07:30	02/07/2022 14:50	M
Chlordane (technical)	0.0091 U	mg/Kg	0.031	0.0091	1	02/07/2022 07:30	02/07/2022 14:50	M
Dieldrin	**0.0020**	mg/Kg	0.0015	0.0010	1	02/07/2022 07:30	02/07/2022 14:50	M
Endosulfan I	0.0010 U	mg/Kg	0.0015	0.0010	1	02/07/2022 07:30	02/07/2022 14:50	M
Endosulfan II	0.0010 U	mg/Kg	0.0015	0.0010	1	02/07/2022 07:30	02/07/2022 14:50	M
Endosulfan Sulfate	0.0010 U	mg/Kg	0.0015	0.0010	1	02/07/2022 07:30	02/07/2022 14:50	M
Endrin	**0.0025**	mg/Kg	0.0015	0.0010	1	02/07/2022 07:30	02/07/2022 14:50	M
Endrin Aldehyde	0.0010 U	mg/Kg	0.0015	0.0010	1	02/07/2022 07:30	02/07/2022 14:50	M
Heptachlor	0.0010 U	mg/Kg	0.0015	0.0010	1	02/07/2022 07:30	02/07/2022 14:50	M
Heptachlor Epoxide	0.0010 U	mg/Kg	0.0015	0.0010	1	02/07/2022 07:30	02/07/2022 14:50	M
Methoxychlor	0.0010 U	mg/Kg	0.0015	0.0010	1	02/07/2022 07:30	02/07/2022 14:50	M
Toxaphene	0.0099 U	mg/Kg	0.031	0.0099	1	02/07/2022 07:30	02/07/2022 14:50	M
alpha-BHC	0.0010 U	mg/Kg	0.0015	0.0010	1	02/07/2022 07:30	02/07/2022 14:50	M
beta-BHC	0.0010 U	mg/Kg	0.0015	0.0010	1	02/07/2022 07:30	02/07/2022 14:50	M
delta-BHC	0.0010 U	mg/Kg	0.0015	0.0010	1	02/07/2022 07:30	02/07/2022 14:50	M
gamma-BHC (Lindane)	**0.0011 I**	mg/Kg	0.0015	0.0010	1	02/07/2022 07:30	02/07/2022 14:50	M
SEMIVOLATILES (SW-846 3550B/SW-846 8082A)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524001 **Date Collected:** 02/04/2022 10:00 **Matrix:** Soil
Sample ID: SB-29@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Aroclor 1016 (PCB-1016)	0.019 U	mg/Kg	0.032	0.019	1	02/07/2022 07:30	02/07/2022 14:50	M
Aroclor 1221 (PCB-1221)	0.023 U	mg/Kg	0.032	0.023	1	02/07/2022 07:30	02/07/2022 14:50	M
Aroclor 1232 (PCB-1232)	0.031 U	mg/Kg	0.032	0.031	1	02/07/2022 07:30	02/07/2022 14:50	M
Aroclor 1242 (PCB-1242)	0.024 U	mg/Kg	0.032	0.024	1	02/07/2022 07:30	02/07/2022 14:50	M
Aroclor 1248 (PCB-1248)	0.012 U	mg/Kg	0.032	0.012	1	02/07/2022 07:30	02/07/2022 14:50	M
Aroclor 1254 (PCB-1254)	0.0065 U	mg/Kg	0.032	0.0065	1	02/07/2022 07:30	02/07/2022 14:50	M
Aroclor 1260 (PCB-1260)	0.039 U	mg/Kg	0.065	0.039	1	02/07/2022 07:30	02/07/2022 14:50	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	**0.021**	mg/Kg	0.0083	0.0016	1	02/07/2022 16:15	02/08/2022 19:51	T
2-Methylnaphthalene	**0.024**	mg/Kg	0.0083	0.0020	1	02/07/2022 16:15	02/08/2022 19:51	T
Acenaphthene	**0.0015 I**	mg/Kg	0.0083	0.0015	1	02/07/2022 16:15	02/08/2022 19:51	T
Acenaphthylene	**0.063**	mg/Kg	0.0083	0.0018	1	02/07/2022 16:15	02/08/2022 19:51	T
Anthracene	**0.065**	mg/Kg	0.0083	0.0025	1	02/07/2022 16:15	02/08/2022 19:51	T
Benzo[a]anthracene	**0.11**	mg/Kg	0.0083	0.0020	1	02/07/2022 16:15	02/08/2022 19:51	T
Benzo[a]pyrene	**0.22**	mg/Kg	0.0083	0.0017	1	02/07/2022 16:15	02/08/2022 19:51	T
Benzo[b]fluoranthene	**0.38**	mg/Kg	0.0083	0.0016	1	02/07/2022 16:15	02/08/2022 19:51	T
Benzo[g,h,i]perylene	**0.20**	mg/Kg	0.0083	0.0019	1	02/07/2022 16:15	02/08/2022 19:51	T
Benzo[k]fluoranthene	**0.14**	mg/Kg	0.0083	0.0024	1	02/07/2022 16:15	02/08/2022 19:51	T
Chrysene	**0.088**	mg/Kg	0.0083	0.0030	1	02/07/2022 16:15	02/08/2022 19:51	T
Dibenzo[a,h]anthracene	**0.055**	mg/Kg	0.0083	0.0017	1	02/07/2022 16:15	02/08/2022 19:51	T
Fluoranthene	**0.080**	mg/Kg	0.0083	0.0028	1	02/07/2022 16:15	02/08/2022 19:51	T
Fluorene	**0.0025 I**	mg/Kg	0.0083	0.0022	1	02/07/2022 16:15	02/08/2022 19:51	T
Indeno(1,2,3-cd)pyrene	**0.20**	mg/Kg	0.0083	0.0024	1	02/07/2022 16:15	02/08/2022 19:51	T
Naphthalene	**0.013**	mg/Kg	0.0083	0.0017	1	02/07/2022 16:15	02/08/2022 19:51	T
Phenanthrene	**0.026**	mg/Kg	0.0083	0.0022	1	02/07/2022 16:15	02/08/2022 19:51	T
Pyrene	**0.19**	mg/Kg	0.0083	0.0024	1	02/07/2022 16:15	02/08/2022 19:51	T
SEMIVOLATILES (SW-846 3550B/SW-846 8270C)								

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524001 **Date Collected:** 02/04/2022 10:00 **Matrix:** Soil
Sample ID: SB-29@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,2,4-Trichlorobenzene	0.031 U	mg/Kg	0.21	0.031	1	02/09/2022 10:00	02/09/2022 18:37	T
1,2-Dichlorobenzene	0.042 U	mg/Kg	0.21	0.042	1	02/09/2022 10:00	02/09/2022 18:37	T
1,2-Diphenylhydrazine	0.079 U	mg/Kg	0.21	0.079	1	02/09/2022 10:00	02/09/2022 18:37	T
1,3-Dichlorobenzene	0.022 U	mg/Kg	0.21	0.022	1	02/09/2022 10:00	02/09/2022 18:37	T
1,4-Dichlorobenzene	0.046 U	mg/Kg	0.21	0.046	1	02/09/2022 10:00	02/09/2022 18:37	T
1-Methylnaphthalene	**0.0080 I**	mg/Kg	0.21	0.0040	1	02/09/2022 10:00	02/09/2022 18:37	T
2,4,6-Trichlorophenol	0.039 U	mg/Kg	0.21	0.039	1	02/09/2022 10:00	02/09/2022 18:37	T
2,4-Dichlorophenol	0.044 U	mg/Kg	0.21	0.044	1	02/09/2022 10:00	02/09/2022 18:37	T
2,4-Dimethylphenol	0.044 U	mg/Kg	0.21	0.044	1	02/09/2022 10:00	02/09/2022 18:37	T
2,4-Dinitrophenol	0.13 U	mg/Kg	0.21	0.13	1	02/09/2022 10:00	02/09/2022 18:37	T
2,4-Dinitrotoluene (2,4-DNT)	0.065 U	mg/Kg	0.21	0.065	1	02/09/2022 10:00	02/09/2022 18:37	T
2,6-Dinitrotoluene (2,6-DNT)	0.052 U	mg/Kg	0.21	0.052	1	02/09/2022 10:00	02/09/2022 18:37	T
2-Chloronaphthalene	0.040 U	mg/Kg	0.21	0.040	1	02/09/2022 10:00	02/09/2022 18:37	T
2-Chlorophenol	0.037 U	mg/Kg	0.21	0.037	1	02/09/2022 10:00	02/09/2022 18:37	T
2-Methyl-4,6-dinitrophenol	0.046 U	mg/Kg	0.21	0.046	1	02/09/2022 10:00	02/09/2022 18:37	T
2-Methylnaphthalene	**0.0087 I**	mg/Kg	0.21	0.0049	1	02/09/2022 10:00	02/09/2022 18:37	T
2-Nitrophenol	0.046 U	mg/Kg	0.21	0.046	1	02/09/2022 10:00	02/09/2022 18:37	T
3,3`-Dichlorobenzidine	0.028 U	mg/Kg	0.21	0.028	1	02/09/2022 10:00	02/09/2022 18:37	T
4-Bromophenyl Phenyl Ether	0.053 U	mg/Kg	0.21	0.053	1	02/09/2022 10:00	02/09/2022 18:37	T
4-Chloro-3-methylphenol	0.044 U	mg/Kg	0.21	0.044	1	02/09/2022 10:00	02/09/2022 18:37	T
4-Chlorophenyl Phenyl Ether	0.045 U	mg/Kg	0.21	0.045	1	02/09/2022 10:00	02/09/2022 18:37	T
4-Nitrophenol	0.058 U	mg/Kg	0.21	0.058	1	02/09/2022 10:00	02/09/2022 18:37	T
Acenaphthene	0.0047 U	mg/Kg	0.21	0.0047	1	02/09/2022 10:00	02/09/2022 18:37	T
Acenaphthylene	**0.019 I**	mg/Kg	0.21	0.0053	1	02/09/2022 10:00	02/09/2022 18:37	T
Anthracene	**0.012 I**	mg/Kg	0.21	0.0052	1	02/09/2022 10:00	02/09/2022 18:37	T
Benzidine	0.041 U	mg/Kg	0.21	0.041	1	02/09/2022 10:00	02/09/2022 18:37	T
Benzo[a]anthracene	**0.057 I**	mg/Kg	0.21	0.0047	1	02/09/2022 10:00	02/09/2022 18:37	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524001 **Date Collected:** 02/04/2022 10:00 **Matrix:** Soil
Sample ID: SB-29@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[a]pyrene	**0.091 I**	mg/Kg	0.21	0.0044	1	02/09/2022 10:00	02/09/2022 18:37	T
Benzo[b]fluoranthene	**0.16 I**	mg/Kg	0.21	0.0066	1	02/09/2022 10:00	02/09/2022 18:37	T
Benzo[g,h,i]perylene	**0.072 I**	mg/Kg	0.21	0.0039	1	02/09/2022 10:00	02/09/2022 18:37	T
Benzo[k]fluoranthene	0.0069 U	mg/Kg	0.21	0.0069	1	02/09/2022 10:00	02/09/2022 18:37	T
Butyl benzyl phthalate	0.029 U	mg/Kg	0.21	0.029	1	02/09/2022 10:00	02/09/2022 18:37	T
Chrysene	**0.064 I**	mg/Kg	0.21	0.0052	1	02/09/2022 10:00	02/09/2022 18:37	T
Di-n-Butyl Phthalate	0.043 U	mg/Kg	0.21	0.043	1	02/09/2022 10:00	02/09/2022 18:37	T
Di-n-octyl Phthalate	0.027 U	mg/Kg	0.21	0.027	1	02/09/2022 10:00	02/09/2022 18:37	T
Dibenzo[a,h]anthracene	**0.020 I**	mg/Kg	0.21	0.0040	1	02/09/2022 10:00	02/09/2022 18:37	T
Diethyl phthalate	0.040 U	mg/Kg	0.21	0.040	1	02/09/2022 10:00	02/09/2022 18:37	T
Dimethyl phthalate	0.039 U	mg/Kg	0.21	0.039	1	02/09/2022 10:00	02/09/2022 18:37	T
Fluoranthene	**0.057 I**	mg/Kg	0.21	0.050	1	02/09/2022 10:00	02/09/2022 18:37	T
Fluorene	0.0046 U	mg/Kg	0.21	0.0046	1	02/09/2022 10:00	02/09/2022 18:37	T
Hexachlorobenzene	0.061 U	mg/Kg	0.21	0.061	1	02/09/2022 10:00	02/09/2022 18:37	T
Hexachlorobutadiene	0.034 U	mg/Kg	0.21	0.034	1	02/09/2022 10:00	02/09/2022 18:37	T
Hexachlorocyclopentadiene	0.035 U	mg/Kg	0.21	0.035	1	02/09/2022 10:00	02/09/2022 18:37	T
Hexachloroethane	0.029 U	mg/Kg	0.21	0.029	1	02/09/2022 10:00	02/09/2022 18:37	T
Indeno(1,2,3-cd)pyrene	**0.075 I**	mg/Kg	0.21	0.0041	1	02/09/2022 10:00	02/09/2022 18:37	T
Isophorone	0.023 U	mg/Kg	0.21	0.023	1	02/09/2022 10:00	02/09/2022 18:37	T
N-Nitrosodi-n-propylamine	0.037 U	mg/Kg	0.21	0.037	1	02/09/2022 10:00	02/09/2022 18:37	T
N-Nitrosodimethylamine	0.0093 U	mg/Kg	0.21	0.0093	1	02/09/2022 10:00	02/09/2022 18:37	T
N-Nitrosodiphenylamine	0.027 U	mg/Kg	0.21	0.027	1	02/09/2022 10:00	02/09/2022 18:37	T
Naphthalene	0.0050 U	mg/Kg	0.21	0.0050	1	02/09/2022 10:00	02/09/2022 18:37	T
Nitrobenzene	0.050 U	mg/Kg	0.21	0.050	1	02/09/2022 10:00	02/09/2022 18:37	T
Pentachlorophenol	0.069 U	mg/Kg	0.21	0.069	1	02/09/2022 10:00	02/09/2022 18:37	T
Phenanthrene	**0.014 I**	mg/Kg	0.21	0.0059	1	02/09/2022 10:00	02/09/2022 18:37	T
Phenol	0.041 U	mg/Kg	0.21	0.041	1	02/09/2022 10:00	02/09/2022 18:37	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524001 **Date Collected:** 02/04/2022 10:00 **Matrix:** Soil
Sample ID: SB-29@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	**0.080 I**	mg/Kg	0.21	0.0045	1	02/09/2022 10:00	02/09/2022 18:37	T
bis(2-Chloroethoxy)methane	0.030 U	mg/Kg	0.21	0.030	1	02/09/2022 10:00	02/09/2022 18:37	T
bis(2-Chloroethyl)Ether	0.043 U	mg/Kg	0.21	0.043	1	02/09/2022 10:00	02/09/2022 18:37	T
bis(2-Chloroisopropyl) Ether	0.038 U	mg/Kg	0.21	0.038	1	02/09/2022 10:00	02/09/2022 18:37	T
bis(2-Ethylhexyl) phthalate	0.032 U	mg/Kg	0.21	0.032	1	02/09/2022 10:00	02/09/2022 18:37	T
(SM 2540G)								
Percent Moisture	**4**	%	0.001	0.0010	1	02/09/2022 09:30	02/09/2022 09:30	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1-Trichloroethane	0.00073 U	mg/Kg	0.0031	0.00073	1	02/09/2022 01:17	02/09/2022 03:34	T
1,1,2,2-Tetrachloroethane	0.00053 U	mg/Kg	0.0031	0.00053	1	02/09/2022 01:17	02/09/2022 03:34	T
1,1,2-Trichloroethane	0.00051 U	mg/Kg	0.0031	0.00051	1	02/09/2022 01:17	02/09/2022 03:34	T
1,1-Dichloroethane	0.00073 U	mg/Kg	0.0031	0.00073	1	02/09/2022 01:17	02/09/2022 03:34	T
1,1-Dichloroethylene	0.00077 U	mg/Kg	0.0031	0.00077	1	02/09/2022 01:17	02/09/2022 03:34	T
1,2-Dichlorobenzene	0.00050 U	mg/Kg	0.0031	0.00050	1	02/09/2022 01:17	02/09/2022 03:34	T
1,2-Dichloroethane	0.00082 U	mg/Kg	0.0031	0.00082	1	02/09/2022 01:17	02/09/2022 03:34	T
1,2-Dichloropropane	0.00056 U	mg/Kg	0.0031	0.00056	1	02/09/2022 01:17	02/09/2022 03:34	T
1,3-Dichlorobenzene	0.00058 U	mg/Kg	0.0031	0.00058	1	02/09/2022 01:17	02/09/2022 03:34	T
1,4-Dichlorobenzene	0.00069 U	mg/Kg	0.0031	0.00069	1	02/09/2022 01:17	02/09/2022 03:34	T
2-Chloroethyl Vinyl Ether	0.0027 U	mg/Kg	0.0031	0.0027	1	02/09/2022 01:17	02/09/2022 03:34	T
Acrolein (Propenal)	0.0065 U	mg/Kg	0.016	0.0065	1	02/09/2022 01:17	02/09/2022 03:34	T
Acrylonitrile	0.00054 U	mg/Kg	0.0031	0.00054	1	02/09/2022 01:17	02/09/2022 03:34	T
Benzene	0.00052 U	mg/Kg	0.0031	0.00052	1	02/09/2022 01:17	02/09/2022 03:34	T
Bromodichloromethane	0.00055 U	mg/Kg	0.0031	0.00055	1	02/09/2022 01:17	02/09/2022 03:34	T
Bromoform	0.0021 U	mg/Kg	0.0031	0.0021	1	02/09/2022 01:17	02/09/2022 03:34	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524001 **Date Collected:** 02/04/2022 10:00 **Matrix:** Soil
Sample ID: SB-29@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Bromomethane	0.0013 U	mg/Kg	0.0031	0.0013	1	02/09/2022 01:17	02/09/2022 03:34	T
Carbon Tetrachloride	0.00088 U	mg/Kg	0.0031	0.00088	1	02/09/2022 01:17	02/09/2022 03:34	T
Chlorobenzene	0.00046 U	mg/Kg	0.0031	0.00046	1	02/09/2022 01:17	02/09/2022 03:34	T
Chloroethane	0.0016 U	mg/Kg	0.0031	0.0016	1	02/09/2022 01:17	02/09/2022 03:34	T
Chloroform	0.00064 U	mg/Kg	0.0031	0.00064	1	02/09/2022 01:17	02/09/2022 03:34	T
Chloromethane	0.00072 U	mg/Kg	0.0031	0.00072	1	02/09/2022 01:17	02/09/2022 03:34	T
Dibromochloromethane	0.0018 U	mg/Kg	0.0031	0.0018	1	02/09/2022 01:17	02/09/2022 03:34	T
Dichlorodifluoromethane	0.0011 U	mg/Kg	0.0031	0.0011	1	02/09/2022 01:17	02/09/2022 03:34	T
Ethylbenzene	0.00037 U	mg/Kg	0.0031	0.00037	1	02/09/2022 01:17	02/09/2022 03:34	T
Methyl tert-butyl Ether (MTBE)	0.0010 U	mg/Kg	0.0031	0.0010	1	02/09/2022 01:17	02/09/2022 03:34	T
Methylene Chloride	0.0042 U	mg/Kg	0.0052	0.0042	1	02/09/2022 01:17	02/09/2022 03:34	T
Tetrachloroethylene (PCE)	0.00059 U	mg/Kg	0.0031	0.00059	1	02/09/2022 01:17	02/09/2022 03:34	T
Toluene	0.00039 U	mg/Kg	0.0031	0.00039	1	02/09/2022 01:17	02/09/2022 03:34	T
Trichloroethene	0.00077 U	mg/Kg	0.0031	0.00077	1	02/09/2022 01:17	02/09/2022 03:34	T
Trichlorofluoromethane	0.00069 U	mg/Kg	0.0031	0.00069	1	02/09/2022 01:17	02/09/2022 03:34	T
Vinyl Chloride	0.00060 U	mg/Kg	0.0031	0.00060	1	02/09/2022 01:17	02/09/2022 03:34	T
Xylene (Total)	0.0014 U	mg/Kg	0.0063	0.0014	1	02/09/2022 01:17	02/09/2022 03:34	T
cis-1,2-Dichloroethylene	0.00062 U	mg/Kg	0.0031	0.00062	1	02/09/2022 01:17	02/09/2022 03:34	T
cis-1,3-Dichloropropene	0.0022 U	mg/Kg	0.0031	0.0022	1	02/09/2022 01:17	02/09/2022 03:34	T
trans-1,2-Dichloroethylene	0.00063 U	mg/Kg	0.0031	0.00063	1	02/09/2022 01:17	02/09/2022 03:34	T
trans-1,3-Dichloropropylene	0.0019 U	mg/Kg	0.0031	0.0019	1	02/09/2022 01:17	02/09/2022 03:34	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Analysis Results Comments

Benzo[a]pyrene

J4|Estimated Result

Benzo[b]fluoranthene

J4|Estimated Result

Decachlorobiphenyl

J4|Estimated Result

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	50	47	93	69 - 134	T
Toluene-d8 (S)	ug/Kg	50	47	94	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	50	54	108	79 - 126	T
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.26	65	37 - 127	T
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.32	81	33 - 134	T
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.38	96	42 - 141	T
Nonatricontane-C39 (S)	mg/Kg	6	5.50	92	36 - 132	T
o-Terphenyl (S)	mg/Kg	2	1.60	79	66 - 136	T
Tetrachloro-m-xylene (S)	ug/Kg	150	110	73	42 - 129	M
Decachlorobiphenyl (S)	ug/Kg	74	39	**53**	63 - 130	M
2,4,6-Tribromophenol (S)	mg/Kg	2	1.90	95	39 - 132	T
Phenol-d6 (S)	mg/Kg	2	1.50	75	33 - 122	T
2-Fluorobiphenyl (S)	mg/Kg	2	1.50	75	44 - 115	T
Nitrobenzene-d5 (S)	mg/Kg	2	1.40	72	37 - 122	T
2-Fluorophenol (S)	mg/Kg	2	1.40	73	35 - 115	T
p-Terphenyl-d14 (S)	mg/Kg	2	1.90	97	54 - 127	T
Decachlorobiphenyl (S)	ug/Kg	78	47	61	61 - 147	M
Tetrachloro-m-xylene (S)	ug/Kg	160	120	76	44 - 130	M

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524002 **Date Collected:** 02/04/2022 10:20 **Matrix:** Soil
Sample ID: SB-30@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**1.7**	mg/Kg	0.27	0.13	1	02/08/2022 15:00	02/09/2022 17:25	T
Cadmium	**0.35**	mg/Kg	0.054	0.027	1	02/08/2022 15:00	02/09/2022 17:25	T
Chromium	**4.1**	mg/Kg	0.27	0.22	1	02/08/2022 15:00	02/09/2022 17:25	T
Lead	**73**	mg/Kg	0.27	0.13	1	02/08/2022 15:00	02/09/2022 17:25	T
SEMIVOLATILES (FL-PRO)								
TPH	**65**	mg/Kg	14	5.0	1	02/07/2022 16:15	02/08/2022 17:35	T
SEMIVOLATILES (SW-846 3550B/EPA 8081)								
4,4`-DDD	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 15:11	M
4,4`-DDE	**0.0017**	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 15:11	M
4,4`-DDT	**0.0040**	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 15:11	M
Aldrin	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 15:11	M
Chlordane (technical)	0.0098 U	mg/Kg	0.033	0.0098	1	02/07/2022 07:30	02/07/2022 15:11	M
Dieldrin	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 15:11	M
Endosulfan I	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 15:11	M
Endosulfan II	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 15:11	M
Endosulfan Sulfate	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 15:11	M
Endrin	**0.0019**	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 15:11	M
Endrin Aldehyde	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 15:11	M
Heptachlor	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 15:11	M
Heptachlor Epoxide	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 15:11	M
Methoxychlor	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 15:11	M
Toxaphene	0.011 U	mg/Kg	0.033	0.011	1	02/07/2022 07:30	02/07/2022 15:11	M
alpha-BHC	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 15:11	M
beta-BHC	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 15:11	M
delta-BHC	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 15:11	M
gamma-BHC (Lindane)	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 15:11	M
SEMIVOLATILES (SW-846 3550B/SW-846 8082A)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524002 **Date Collected:** 02/04/2022 10:20 **Matrix:** Soil
Sample ID: SB-30@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Aroclor 1016 (PCB-1016)	0.018 U	mg/Kg	0.030	0.018	1	02/07/2022 07:30	02/07/2022 15:11	M
Aroclor 1221 (PCB-1221)	0.021 U	mg/Kg	0.030	0.021	1	02/07/2022 07:30	02/07/2022 15:11	M
Aroclor 1232 (PCB-1232)	0.029 U	mg/Kg	0.030	0.029	1	02/07/2022 07:30	02/07/2022 15:11	M
Aroclor 1242 (PCB-1242)	0.023 U	mg/Kg	0.030	0.023	1	02/07/2022 07:30	02/07/2022 15:11	M
Aroclor 1248 (PCB-1248)	0.011 U	mg/Kg	0.030	0.011	1	02/07/2022 07:30	02/07/2022 15:11	M
Aroclor 1254 (PCB-1254)	0.0061 U	mg/Kg	0.030	0.0061	1	02/07/2022 07:30	02/07/2022 15:11	M
Aroclor 1260 (PCB-1260)	0.037 U	mg/Kg	0.061	0.037	1	02/07/2022 07:30	02/07/2022 15:11	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	**0.017**	mg/Kg	0.0084	0.0016	1	02/07/2022 16:15	02/09/2022 01:07	T
2-Methylnaphthalene	**0.020**	mg/Kg	0.0084	0.0021	1	02/07/2022 16:15	02/09/2022 01:07	T
Acenaphthene	**0.0089**	mg/Kg	0.0084	0.0015	1	02/07/2022 16:15	02/09/2022 01:07	T
Acenaphthylene	**0.16**	mg/Kg	0.0084	0.0018	1	02/07/2022 16:15	02/09/2022 01:07	T
Anthracene	**0.28**	mg/Kg	0.0084	0.0026	1	02/07/2022 16:15	02/09/2022 01:07	T
Benzo[a]anthracene	**0.43**	mg/Kg	0.0084	0.0020	1	02/07/2022 16:15	02/09/2022 01:07	T
Benzo[a]pyrene	**0.62**	mg/Kg	0.0084	0.0017	1	02/07/2022 16:15	02/09/2022 01:07	T
Benzo[b]fluoranthene	**1.1**	mg/Kg	0.0084	0.0016	1	02/07/2022 16:15	02/09/2022 01:07	T
Benzo[g,h,i]perylene	**0.64**	mg/Kg	0.0084	0.0020	1	02/07/2022 16:15	02/09/2022 01:07	T
Benzo[k]fluoranthene	**0.37**	mg/Kg	0.0084	0.0024	1	02/07/2022 16:15	02/09/2022 01:07	T
Chrysene	**0.43**	mg/Kg	0.0084	0.0030	1	02/07/2022 16:15	02/09/2022 01:07	T
Dibenzo[a,h]anthracene	**0.17**	mg/Kg	0.0084	0.0017	1	02/07/2022 16:15	02/09/2022 01:07	T
Fluoranthene	**0.54**	mg/Kg	0.0084	0.0028	1	02/07/2022 16:15	02/09/2022 01:07	T
Fluorene	**0.0099**	mg/Kg	0.0084	0.0022	1	02/07/2022 16:15	02/09/2022 01:07	T
Indeno(1,2,3-cd)pyrene	**0.63**	mg/Kg	0.0084	0.0024	1	02/07/2022 16:15	02/09/2022 01:07	T
Naphthalene	**0.014**	mg/Kg	0.0084	0.0017	1	02/07/2022 16:15	02/09/2022 01:07	T
Phenanthrene	**0.15**	mg/Kg	0.0084	0.0022	1	02/07/2022 16:15	02/09/2022 01:07	T
Pyrene	**0.73**	mg/Kg	0.0084	0.0024	1	02/07/2022 16:15	02/09/2022 01:07	T
SEMIVOLATILES (SW-846 3550B/SW-846 8270C)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524002 **Date Collected:** 02/04/2022 10:20 **Matrix:** Soil
Sample ID: SB-30@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,2,4-Trichlorobenzene	0.032 U	mg/Kg	0.21	0.032	1	02/09/2022 10:00	02/10/2022 06:37	T
1,2-Dichlorobenzene	0.043 U	mg/Kg	0.21	0.043	1	02/09/2022 10:00	02/10/2022 06:37	T
1,2-Diphenylhydrazine	0.081 U	mg/Kg	0.21	0.081	1	02/09/2022 10:00	02/10/2022 06:37	T
1,3-Dichlorobenzene	0.022 U	mg/Kg	0.21	0.022	1	02/09/2022 10:00	02/10/2022 06:37	T
1,4-Dichlorobenzene	0.047 U	mg/Kg	0.21	0.047	1	02/09/2022 10:00	02/10/2022 06:37	T
1-Methylnaphthalene	**0.022 I**	mg/Kg	0.21	0.0041	1	02/09/2022 10:00	02/10/2022 06:37	T
2,4,6-Trichlorophenol	0.040 U	mg/Kg	0.21	0.040	1	02/09/2022 10:00	02/10/2022 06:37	T
2,4-Dichlorophenol	0.045 U	mg/Kg	0.21	0.045	1	02/09/2022 10:00	02/10/2022 06:37	T
2,4-Dimethylphenol	0.045 U	mg/Kg	0.21	0.045	1	02/09/2022 10:00	02/10/2022 06:37	T
2,4-Dinitrophenol	0.13 U	mg/Kg	0.21	0.13	1	02/09/2022 10:00	02/10/2022 06:37	T
2,4-Dinitrotoluene (2,4-DNT)	0.067 U	mg/Kg	0.21	0.067	1	02/09/2022 10:00	02/10/2022 06:37	T
2,6-Dinitrotoluene (2,6-DNT)	0.053 U	mg/Kg	0.21	0.053	1	02/09/2022 10:00	02/10/2022 06:37	T
2-Chloronaphthalene	0.041 U	mg/Kg	0.21	0.041	1	02/09/2022 10:00	02/10/2022 06:37	T
2-Chlorophenol	0.038 U	mg/Kg	0.21	0.038	1	02/09/2022 10:00	02/10/2022 06:37	T
2-Methyl-4,6-dinitrophenol	0.047 U	mg/Kg	0.21	0.047	1	02/09/2022 10:00	02/10/2022 06:37	T
2-Methylnaphthalene	**0.024 I**	mg/Kg	0.21	0.0050	1	02/09/2022 10:00	02/10/2022 06:37	T
2-Nitrophenol	0.047 U	mg/Kg	0.21	0.047	1	02/09/2022 10:00	02/10/2022 06:37	T
3,3`-Dichlorobenzidine	0.029 U	mg/Kg	0.21	0.029	1	02/09/2022 10:00	02/10/2022 06:37	T
4-Bromophenyl Phenyl Ether	0.054 U	mg/Kg	0.21	0.054	1	02/09/2022 10:00	02/10/2022 06:37	T
4-Chloro-3-methylphenol	0.045 U	mg/Kg	0.21	0.045	1	02/09/2022 10:00	02/10/2022 06:37	T
4-Chlorophenyl Phenyl Ether	0.047 U	mg/Kg	0.21	0.047	1	02/09/2022 10:00	02/10/2022 06:37	T
4-Nitrophenol	0.060 U	mg/Kg	0.21	0.060	1	02/09/2022 10:00	02/10/2022 06:37	T
Acenaphthene	**0.012 I**	mg/Kg	0.21	0.0048	1	02/09/2022 10:00	02/10/2022 06:37	T
Acenaphthylene	**0.16 I**	mg/Kg	0.21	0.0054	1	02/09/2022 10:00	02/10/2022 06:37	T
Anthracene	**0.19 I**	mg/Kg	0.21	0.0053	1	02/09/2022 10:00	02/10/2022 06:37	T
Benzidine	0.042 U	mg/Kg	0.21	0.042	1	02/09/2022 10:00	02/10/2022 06:37	T
Benzo[a]anthracene	**0.52**	mg/Kg	0.21	0.0048	1	02/09/2022 10:00	02/10/2022 06:37	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524002 **Date Collected:** 02/04/2022 10:20 **Matrix:** Soil
Sample ID: SB-30@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[a]pyrene	**0.66**	mg/Kg	0.21	0.0045	1	02/09/2022 10:00	02/10/2022 06:37	T
Benzo[b]fluoranthene	**1.1**	mg/Kg	0.21	0.0067	1	02/09/2022 10:00	02/10/2022 06:37	T
Benzo[g,h,i]perylene	**0.57**	mg/Kg	0.21	0.0040	1	02/09/2022 10:00	02/10/2022 06:37	T
Benzo[k]fluoranthene	0.0071 U	mg/Kg	0.21	0.0071	1	02/09/2022 10:00	02/10/2022 06:37	T
Butyl benzyl phthalate	0.029 U	mg/Kg	0.21	0.029	1	02/09/2022 10:00	02/10/2022 06:37	T
Chrysene	**0.52**	mg/Kg	0.21	0.0054	1	02/09/2022 10:00	02/10/2022 06:37	T
Di-n-Butyl Phthalate	0.044 U	mg/Kg	0.21	0.044	1	02/09/2022 10:00	02/10/2022 06:37	T
Di-n-octyl Phthalate	0.028 U	mg/Kg	0.21	0.028	1	02/09/2022 10:00	02/10/2022 06:37	T
Dibenzo[a,h]anthracene	**0.16 I**	mg/Kg	0.21	0.0041	1	02/09/2022 10:00	02/10/2022 06:37	T
Diethyl phthalate	0.041 U	mg/Kg	0.21	0.041	1	02/09/2022 10:00	02/10/2022 06:37	T
Dimethyl phthalate	0.040 U	mg/Kg	0.21	0.040	1	02/09/2022 10:00	02/10/2022 06:37	T
Fluoranthene	**0.60**	mg/Kg	0.21	0.051	1	02/09/2022 10:00	02/10/2022 06:37	T
Fluorene	**0.018 I**	mg/Kg	0.21	0.0047	1	02/09/2022 10:00	02/10/2022 06:37	T
Hexachlorobenzene	0.062 U	mg/Kg	0.21	0.062	1	02/09/2022 10:00	02/10/2022 06:37	T
Hexachlorobutadiene	0.035 U	mg/Kg	0.21	0.035	1	02/09/2022 10:00	02/10/2022 06:37	T
Hexachlorocyclopentadiene	0.035 U	mg/Kg	0.21	0.035	1	02/09/2022 10:00	02/10/2022 06:37	T
Hexachloroethane	0.030 U	mg/Kg	0.21	0.030	1	02/09/2022 10:00	02/10/2022 06:37	T
Indeno(1,2,3-cd)pyrene	**0.58**	mg/Kg	0.21	0.0042	1	02/09/2022 10:00	02/10/2022 06:37	T
Isophorone	0.024 U	mg/Kg	0.21	0.024	1	02/09/2022 10:00	02/10/2022 06:37	T
N-Nitrosodi-n-propylamine	0.038 U	mg/Kg	0.21	0.038	1	02/09/2022 10:00	02/10/2022 06:37	T
N-Nitrosodimethylamine	0.0095 U	mg/Kg	0.21	0.0095	1	02/09/2022 10:00	02/10/2022 06:37	T
N-Nitrosodiphenylamine	0.028 U	mg/Kg	0.21	0.028	1	02/09/2022 10:00	02/10/2022 06:37	T
Naphthalene	**0.021 I**	mg/Kg	0.21	0.0051	1	02/09/2022 10:00	02/10/2022 06:37	T
Nitrobenzene	0.051 U	mg/Kg	0.21	0.051	1	02/09/2022 10:00	02/10/2022 06:37	T
Pentachlorophenol	0.071 U	mg/Kg	0.21	0.071	1	02/09/2022 10:00	02/10/2022 06:37	T
Phenanthrene	**0.20 I**	mg/Kg	0.21	0.0060	1	02/09/2022 10:00	02/10/2022 06:37	T
Phenol	0.042 U	mg/Kg	0.21	0.042	1	02/09/2022 10:00	02/10/2022 06:37	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524002 **Date Collected:** 02/04/2022 10:20 **Matrix:** Soil
Sample ID: SB-30@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	**0.71**	mg/Kg	0.21	0.0046	1	02/09/2022 10:00	02/10/2022 06:37	T
bis(2-Chloroethoxy)methane	0.031 U	mg/Kg	0.21	0.031	1	02/09/2022 10:00	02/10/2022 06:37	T
bis(2-Chloroethyl)Ether	0.044 U	mg/Kg	0.21	0.044	1	02/09/2022 10:00	02/10/2022 06:37	T
bis(2-Chloroisopropyl) Ether	0.039 U	mg/Kg	0.21	0.039	1	02/09/2022 10:00	02/10/2022 06:37	T
bis(2-Ethylhexyl) phthalate	0.033 U	mg/Kg	0.21	0.033	1	02/09/2022 10:00	02/10/2022 06:37	T
(SM 2540G)								
Percent Moisture	**6**	%	0.001	0.0010	1	02/09/2022 09:30	02/09/2022 09:30	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1-Trichloroethane	0.00074 U	mg/Kg	0.0032	0.00074	1	02/09/2022 01:17	02/09/2022 04:02	T
1,1,2,2-Tetrachloroethane	0.00054 U	mg/Kg	0.0032	0.00054	1	02/09/2022 01:17	02/09/2022 04:02	T
1,1,2-Trichloroethane	0.00052 U	mg/Kg	0.0032	0.00052	1	02/09/2022 01:17	02/09/2022 04:02	T
1,1-Dichloroethane	0.00074 U	mg/Kg	0.0032	0.00074	1	02/09/2022 01:17	02/09/2022 04:02	T
1,1-Dichloroethylene	0.00078 U	mg/Kg	0.0032	0.00078	1	02/09/2022 01:17	02/09/2022 04:02	T
1,2-Dichlorobenzene	0.00050 U	mg/Kg	0.0032	0.00050	1	02/09/2022 01:17	02/09/2022 04:02	T
1,2-Dichloroethane	0.00083 U	mg/Kg	0.0032	0.00083	1	02/09/2022 01:17	02/09/2022 04:02	T
1,2-Dichloropropane	0.00057 U	mg/Kg	0.0032	0.00057	1	02/09/2022 01:17	02/09/2022 04:02	T
1,3-Dichlorobenzene	0.00059 U	mg/Kg	0.0032	0.00059	1	02/09/2022 01:17	02/09/2022 04:02	T
1,4-Dichlorobenzene	0.00070 U	mg/Kg	0.0032	0.00070	1	02/09/2022 01:17	02/09/2022 04:02	T
2-Chloroethyl Vinyl Ether	0.0028 U	mg/Kg	0.0032	0.0028	1	02/09/2022 01:17	02/09/2022 04:02	T
Acrolein (Propenal)	0.0066 U	mg/Kg	0.016	0.0066	1	02/09/2022 01:17	02/09/2022 04:02	T
Acrylonitrile	0.00055 U	mg/Kg	0.0032	0.00055	1	02/09/2022 01:17	02/09/2022 04:02	T
Benzene	0.00053 U	mg/Kg	0.0032	0.00053	1	02/09/2022 01:17	02/09/2022 04:02	T
Bromodichloromethane	0.00056 U	mg/Kg	0.0032	0.00056	1	02/09/2022 01:17	02/09/2022 04:02	T
Bromoform	0.0021 U	mg/Kg	0.0032	0.0021	1	02/09/2022 01:17	02/09/2022 04:02	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524002 **Date Collected:** 02/04/2022 10:20 **Matrix:** Soil
Sample ID: SB-30@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Bromomethane	0.0013 U	mg/Kg	0.0032	0.0013	1	02/09/2022 01:17	02/09/2022 04:02	T
Carbon Tetrachloride	0.00090 U	mg/Kg	0.0032	0.00090	1	02/09/2022 01:17	02/09/2022 04:02	T
Chlorobenzene	0.00047 U	mg/Kg	0.0032	0.00047	1	02/09/2022 01:17	02/09/2022 04:02	T
Chloroethane	0.0016 U	mg/Kg	0.0032	0.0016	1	02/09/2022 01:17	02/09/2022 04:02	T
Chloroform	0.00065 U	mg/Kg	0.0032	0.00065	1	02/09/2022 01:17	02/09/2022 04:02	T
Chloromethane	0.00073 U	mg/Kg	0.0032	0.00073	1	02/09/2022 01:17	02/09/2022 04:02	T
Dibromochloromethane	0.0018 U	mg/Kg	0.0032	0.0018	1	02/09/2022 01:17	02/09/2022 04:02	T
Dichlorodifluoromethane	0.0011 U	mg/Kg	0.0032	0.0011	1	02/09/2022 01:17	02/09/2022 04:02	T
Ethylbenzene	0.00038 U	mg/Kg	0.0032	0.00038	1	02/09/2022 01:17	02/09/2022 04:02	T
Methyl tert-butyl Ether (MTBE)	0.0010 U	mg/Kg	0.0032	0.0010	1	02/09/2022 01:17	02/09/2022 04:02	T
Methylene Chloride	0.0043 U	mg/Kg	0.0053	0.0043	1	02/09/2022 01:17	02/09/2022 04:02	T
Tetrachloroethylene (PCE)	0.00060 U	mg/Kg	0.0032	0.00060	1	02/09/2022 01:17	02/09/2022 04:02	T
Toluene	0.00039 U	mg/Kg	0.0032	0.00039	1	02/09/2022 01:17	02/09/2022 04:02	T
Trichloroethene	0.00078 U	mg/Kg	0.0032	0.00078	1	02/09/2022 01:17	02/09/2022 04:02	T
Trichlorofluoromethane	0.00070 U	mg/Kg	0.0032	0.00070	1	02/09/2022 01:17	02/09/2022 04:02	T
Vinyl Chloride	0.00061 U	mg/Kg	0.0032	0.00061	1	02/09/2022 01:17	02/09/2022 04:02	T
Xylene (Total)	0.0014 U	mg/Kg	0.0064	0.0014	1	02/09/2022 01:17	02/09/2022 04:02	T
cis-1,2-Dichloroethylene	0.00063 U	mg/Kg	0.0032	0.00063	1	02/09/2022 01:17	02/09/2022 04:02	T
cis-1,3-Dichloropropene	0.0023 U	mg/Kg	0.0032	0.0023	1	02/09/2022 01:17	02/09/2022 04:02	T
trans-1,2-Dichloroethylene	0.00064 U	mg/Kg	0.0032	0.00064	1	02/09/2022 01:17	02/09/2022 04:02	T
trans-1,3-Dichloropropylene	0.0019 U	mg/Kg	0.0032	0.0019	1	02/09/2022 01:17	02/09/2022 04:02	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Analysis Results Comments

Decachlorobiphenyl

J4|Estimated Result

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	50	46	92	69 - 134	T
Toluene-d8 (S)	ug/Kg	50	47	94	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	50	56	111	79 - 126	T
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.24	61	37 - 127	T
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.29	73	33 - 134	T
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.36	89	42 - 141	T
Nonatricontane-C39 (S)	mg/Kg	6	5.70	96	36 - 132	T
o-Terphenyl (S)	mg/Kg	2	1.50	76	66 - 136	T
Decachlorobiphenyl (S)	ug/Kg	78	44	**57**	63 - 130	M
Tetrachloro-m-xylene (S)	ug/Kg	160	160	102	42 - 129	M
2,4,6-Tribromophenol (S)	mg/Kg	2	2.10	103	39 - 132	T
Phenol-d6 (S)	mg/Kg	2	1.50	76	33 - 122	T
2-Fluorobiphenyl (S)	mg/Kg	2	1.50	75	44 - 115	T
2-Fluorophenol (S)	mg/Kg	2	1.30	66	35 - 115	T
Nitrobenzene-d5 (S)	mg/Kg	2	1.50	75	37 - 122	T
p-Terphenyl-d14 (S)	mg/Kg	2	1.90	93	54 - 127	T
Decachlorobiphenyl (S)	ug/Kg	72	41	**57**	61 - 147	M
Tetrachloro-m-xylene (S)	ug/Kg	140	150	102	44 - 130	M

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524003 **Date Collected:** 02/04/2022 10:40 **Matrix:** Soil
Sample ID: SB-31@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**2.4**	mg/Kg	0.28	0.14	1	02/08/2022 15:00	02/09/2022 17:28	T
Cadmium	**0.51**	mg/Kg	0.055	0.028	1	02/08/2022 15:00	02/09/2022 17:28	T
Chromium	**23**	mg/Kg	0.28	0.22	1	02/08/2022 15:00	02/09/2022 17:28	T
Lead	**68**	mg/Kg	0.28	0.14	1	02/08/2022 15:00	02/09/2022 17:28	T
SEMIVOLATILES (FL-PRO)								
TPH	**93**	mg/Kg	15	5.3	1	02/07/2022 16:15	02/08/2022 18:03	T
SEMIVOLATILES (SW-846 3550B/EPA 8081)								
4,4`-DDD	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 15:33	M
4,4`-DDE	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 15:33	M
4,4`-DDT	**0.0066**	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 15:33	M
Aldrin	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 15:33	M
Chlordane (technical)	0.0095 U	mg/Kg	0.032	0.0095	1	02/07/2022 07:30	02/07/2022 15:33	M
Dieldrin	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 15:33	M
Endosulfan I	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 15:33	M
Endosulfan II	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 15:33	M
Endosulfan Sulfate	**0.0073**	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 15:33	M
Endrin	**0.0073**	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 15:33	M
Endrin Aldehyde	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 15:33	M
Heptachlor	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 15:33	M
Heptachlor Epoxide	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 15:33	M
Methoxychlor	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 15:33	M
Toxaphene	0.010 U	mg/Kg	0.032	0.010	1	02/07/2022 07:30	02/07/2022 15:33	M
alpha-BHC	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 15:33	M
beta-BHC	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 15:33	M
delta-BHC	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 15:33	M
gamma-BHC (Lindane)	0.0010 U	mg/Kg	0.0016	0.0010	1	02/07/2022 07:30	02/07/2022 15:33	M
SEMIVOLATILES (SW-846 3550B/SW-846 8082A)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524003 **Date Collected:** 02/04/2022 10:40 **Matrix:** Soil
Sample ID: SB-31@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Aroclor 1016 (PCB-1016)	0.020 U	mg/Kg	0.034	0.020	1	02/07/2022 07:30	02/07/2022 15:33	M
Aroclor 1221 (PCB-1221)	0.024 U	mg/Kg	0.034	0.024	1	02/07/2022 07:30	02/07/2022 15:33	M
Aroclor 1232 (PCB-1232)	0.032 U	mg/Kg	0.034	0.032	1	02/07/2022 07:30	02/07/2022 15:33	M
Aroclor 1242 (PCB-1242)	0.026 U	mg/Kg	0.034	0.026	1	02/07/2022 07:30	02/07/2022 15:33	M
Aroclor 1248 (PCB-1248)	0.012 U	mg/Kg	0.034	0.012	1	02/07/2022 07:30	02/07/2022 15:33	M
Aroclor 1254 (PCB-1254)	0.0068 U	mg/Kg	0.034	0.0068	1	02/07/2022 07:30	02/07/2022 15:33	M
Aroclor 1260 (PCB-1260)	0.041 U	mg/Kg	0.068	0.041	1	02/07/2022 07:30	02/07/2022 15:33	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	**0.071**	mg/Kg	0.0088	0.0017	1	02/07/2022 16:15	02/09/2022 01:35	T
2-Methylnaphthalene	**0.083**	mg/Kg	0.0088	0.0022	1	02/07/2022 16:15	02/09/2022 01:35	T
Acenaphthene	**0.011**	mg/Kg	0.0088	0.0016	1	02/07/2022 16:15	02/09/2022 01:35	T
Acenaphthylene	**0.35**	mg/Kg	0.0088	0.0019	1	02/07/2022 16:15	02/09/2022 01:35	T
Anthracene	**0.46**	mg/Kg	0.0088	0.0027	1	02/07/2022 16:15	02/09/2022 01:35	T
Benzo[a]anthracene	**0.83**	mg/Kg	0.0088	0.0021	1	02/07/2022 16:15	02/09/2022 01:35	T
Benzo[a]pyrene	**1.1**	mg/Kg	0.0088	0.0018	1	02/07/2022 16:15	02/09/2022 01:35	T
Benzo[b]fluoranthene	**2.1**	mg/Kg	0.0088	0.0017	1	02/07/2022 16:15	02/09/2022 01:35	T
Benzo[g,h,i]perylene	**1.0**	mg/Kg	0.0088	0.0021	1	02/07/2022 16:15	02/09/2022 01:35	T
Benzo[k]fluoranthene	**0.66**	mg/Kg	0.0088	0.0025	1	02/07/2022 16:15	02/09/2022 01:35	T
Chrysene	**0.69**	mg/Kg	0.0088	0.0031	1	02/07/2022 16:15	02/09/2022 01:35	T
Dibenzo[a,h]anthracene	**0.29**	mg/Kg	0.0088	0.0018	1	02/07/2022 16:15	02/09/2022 01:35	T
Fluoranthene	**0.75**	mg/Kg	0.0088	0.0030	1	02/07/2022 16:15	02/09/2022 01:35	T
Fluorene	**0.014**	mg/Kg	0.0088	0.0023	1	02/07/2022 16:15	02/09/2022 01:35	T
Indeno(1,2,3-cd)pyrene	**1.1**	mg/Kg	0.0088	0.0025	1	02/07/2022 16:15	02/09/2022 01:35	T
Naphthalene	**0.048**	mg/Kg	0.0088	0.0018	1	02/07/2022 16:15	02/09/2022 01:35	T
Phenanthrene	**0.13**	mg/Kg	0.0088	0.0023	1	02/07/2022 16:15	02/09/2022 01:35	T
Pyrene	**1.2**	mg/Kg	0.0088	0.0025	1	02/07/2022 16:15	02/09/2022 01:35	T
SEMIVOLATILES (SW-846 3550B/SW-846 8270C)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524003 **Date Collected:** 02/04/2022 10:40 **Matrix:** Soil
Sample ID: SB-31@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,2,4-Trichlorobenzene	0.033 U	mg/Kg	0.22	0.033	1	02/09/2022 10:00	02/10/2022 07:14	T
1,2-Dichlorobenzene	0.045 U	mg/Kg	0.22	0.045	1	02/09/2022 10:00	02/10/2022 07:14	T
1,2-Diphenylhydrazine	0.085 U	mg/Kg	0.22	0.085	1	02/09/2022 10:00	02/10/2022 07:14	T
1,3-Dichlorobenzene	0.023 U	mg/Kg	0.22	0.023	1	02/09/2022 10:00	02/10/2022 07:14	T
1,4-Dichlorobenzene	0.050 U	mg/Kg	0.22	0.050	1	02/09/2022 10:00	02/10/2022 07:14	T
1-Methylnaphthalene	**0.081 I**	mg/Kg	0.22	0.0043	1	02/09/2022 10:00	02/10/2022 07:14	T
2,4,6-Trichlorophenol	0.041 U	mg/Kg	0.22	0.041	1	02/09/2022 10:00	02/10/2022 07:14	T
2,4-Dichlorophenol	0.047 U	mg/Kg	0.22	0.047	1	02/09/2022 10:00	02/10/2022 07:14	T
2,4-Dimethylphenol	0.047 U	mg/Kg	0.22	0.047	1	02/09/2022 10:00	02/10/2022 07:14	T
2,4-Dinitrophenol	0.13 U	mg/Kg	0.22	0.13	1	02/09/2022 10:00	02/10/2022 07:14	T
2,4-Dinitrotoluene (2,4-DNT)	0.070 U	mg/Kg	0.22	0.070	1	02/09/2022 10:00	02/10/2022 07:14	T
2,6-Dinitrotoluene (2,6-DNT)	0.056 U	mg/Kg	0.22	0.056	1	02/09/2022 10:00	02/10/2022 07:14	T
2-Chloronaphthalene	0.043 U	mg/Kg	0.22	0.043	1	02/09/2022 10:00	02/10/2022 07:14	T
2-Chlorophenol	0.040 U	mg/Kg	0.22	0.040	1	02/09/2022 10:00	02/10/2022 07:14	T
2-Methyl-4,6-dinitrophenol	0.050 U	mg/Kg	0.22	0.050	1	02/09/2022 10:00	02/10/2022 07:14	T
2-Methylnaphthalene	**0.084 I**	mg/Kg	0.22	0.0053	1	02/09/2022 10:00	02/10/2022 07:14	T
2-Nitrophenol	0.049 U	mg/Kg	0.22	0.049	1	02/09/2022 10:00	02/10/2022 07:14	T
3,3`-Dichlorobenzidine	0.030 U	mg/Kg	0.22	0.030	1	02/09/2022 10:00	02/10/2022 07:14	T
4-Bromophenyl Phenyl Ether	0.057 U	mg/Kg	0.22	0.057	1	02/09/2022 10:00	02/10/2022 07:14	T
4-Chloro-3-methylphenol	0.047 U	mg/Kg	0.22	0.047	1	02/09/2022 10:00	02/10/2022 07:14	T
4-Chlorophenyl Phenyl Ether	0.049 U	mg/Kg	0.22	0.049	1	02/09/2022 10:00	02/10/2022 07:14	T
4-Nitrophenol	0.063 U	mg/Kg	0.22	0.063	1	02/09/2022 10:00	02/10/2022 07:14	T
Acenaphthene	**0.016 I**	mg/Kg	0.22	0.0051	1	02/09/2022 10:00	02/10/2022 07:14	T
Acenaphthylene	**0.31**	mg/Kg	0.22	0.0057	1	02/09/2022 10:00	02/10/2022 07:14	T
Anthracene	**0.30**	mg/Kg	0.22	0.0056	1	02/09/2022 10:00	02/10/2022 07:14	T
Benzidine	0.044 U	mg/Kg	0.22	0.044	1	02/09/2022 10:00	02/10/2022 07:14	T
Benzo[a]anthracene	**0.89**	mg/Kg	0.22	0.0051	1	02/09/2022 10:00	02/10/2022 07:14	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524003 **Date Collected:** 02/04/2022 10:40 **Matrix:** Soil
Sample ID: SB-31@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[a]pyrene	**1.1**	mg/Kg	0.22	0.0047	1	02/09/2022 10:00	02/10/2022 07:14	T
Benzo[b]fluoranthene	**2.1**	mg/Kg	0.22	0.0070	1	02/09/2022 10:00	02/10/2022 07:14	T
Benzo[g,h,i]perylene	**0.82**	mg/Kg	0.22	0.0042	1	02/09/2022 10:00	02/10/2022 07:14	T
Benzo[k]fluoranthene	0.0074 U	mg/Kg	0.22	0.0074	1	02/09/2022 10:00	02/10/2022 07:14	T
Butyl benzyl phthalate	0.031 U	mg/Kg	0.22	0.031	1	02/09/2022 10:00	02/10/2022 07:14	T
Chrysene	**0.84**	mg/Kg	0.22	0.0056	1	02/09/2022 10:00	02/10/2022 07:14	T
Di-n-Butyl Phthalate	0.046 U	mg/Kg	0.22	0.046	1	02/09/2022 10:00	02/10/2022 07:14	T
Di-n-octyl Phthalate	0.029 U	mg/Kg	0.22	0.029	1	02/09/2022 10:00	02/10/2022 07:14	T
Dibenzo[a,h]anthracene	**0.24**	mg/Kg	0.22	0.0043	1	02/09/2022 10:00	02/10/2022 07:14	T
Diethyl phthalate	0.043 U	mg/Kg	0.22	0.043	1	02/09/2022 10:00	02/10/2022 07:14	T
Dimethyl phthalate	0.042 U	mg/Kg	0.22	0.042	1	02/09/2022 10:00	02/10/2022 07:14	T
Fluoranthene	**0.92**	mg/Kg	0.22	0.054	1	02/09/2022 10:00	02/10/2022 07:14	T
Fluorene	**0.036 I**	mg/Kg	0.22	0.0049	1	02/09/2022 10:00	02/10/2022 07:14	T
Hexachlorobenzene	0.065 U	mg/Kg	0.22	0.065	1	02/09/2022 10:00	02/10/2022 07:14	T
Hexachlorobutadiene	0.036 U	mg/Kg	0.22	0.036	1	02/09/2022 10:00	02/10/2022 07:14	T
Hexachlorocyclopentadiene	0.037 U	mg/Kg	0.22	0.037	1	02/09/2022 10:00	02/10/2022 07:14	T
Hexachloroethane	0.031 U	mg/Kg	0.22	0.031	1	02/09/2022 10:00	02/10/2022 07:14	T
Indeno(1,2,3-cd)pyrene	**0.87**	mg/Kg	0.22	0.0044	1	02/09/2022 10:00	02/10/2022 07:14	T
Isophorone	0.025 U	mg/Kg	0.22	0.025	1	02/09/2022 10:00	02/10/2022 07:14	T
N-Nitrosodi-n-propylamine	0.039 U	mg/Kg	0.22	0.039	1	02/09/2022 10:00	02/10/2022 07:14	T
N-Nitrosodimethylamine	0.010 U	mg/Kg	0.22	0.010	1	02/09/2022 10:00	02/10/2022 07:14	T
N-Nitrosodiphenylamine	0.029 U	mg/Kg	0.22	0.029	1	02/09/2022 10:00	02/10/2022 07:14	T
Naphthalene	**0.063 I**	mg/Kg	0.22	0.0053	1	02/09/2022 10:00	02/10/2022 07:14	T
Nitrobenzene	0.053 U	mg/Kg	0.22	0.053	1	02/09/2022 10:00	02/10/2022 07:14	T
Pentachlorophenol	0.074 U	mg/Kg	0.22	0.074	1	02/09/2022 10:00	02/10/2022 07:14	T
Phenanthrene	**0.35**	mg/Kg	0.22	0.0063	1	02/09/2022 10:00	02/10/2022 07:14	T
Phenol	0.044 U	mg/Kg	0.22	0.044	1	02/09/2022 10:00	02/10/2022 07:14	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524003 **Date Collected:** 02/04/2022 10:40 **Matrix:** Soil
Sample ID: SB-31@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	**1.1**	mg/Kg	0.22	0.0048	1	02/09/2022 10:00	02/10/2022 07:14	T
bis(2-Chloroethoxy)methane	0.032 U	mg/Kg	0.22	0.032	1	02/09/2022 10:00	02/10/2022 07:14	T
bis(2-Chloroethyl)Ether	0.046 U	mg/Kg	0.22	0.046	1	02/09/2022 10:00	02/10/2022 07:14	T
bis(2-Chloroisopropyl) Ether	0.041 U	mg/Kg	0.22	0.041	1	02/09/2022 10:00	02/10/2022 07:14	T
bis(2-Ethylhexyl) phthalate	0.035 U	mg/Kg	0.22	0.035	1	02/09/2022 10:00	02/10/2022 07:14	T
(SM 2540G)								
Percent Moisture	**10**	%	0.001	0.0010	1	02/09/2022 09:30	02/09/2022 09:30	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1-Trichloroethane	0.00078 U	mg/Kg	0.0033	0.00078	1	02/09/2022 01:17	02/09/2022 04:29	T
1,1,2,2-Tetrachloroethane	0.00057 U	mg/Kg	0.0033	0.00057	1	02/09/2022 01:17	02/09/2022 04:29	T
1,1,2-Trichloroethane	0.00054 U	mg/Kg	0.0033	0.00054	1	02/09/2022 01:17	02/09/2022 04:29	T
1,1-Dichloroethane	0.00078 U	mg/Kg	0.0033	0.00078	1	02/09/2022 01:17	02/09/2022 04:29	T
1,1-Dichloroethylene	0.00082 U	mg/Kg	0.0033	0.00082	1	02/09/2022 01:17	02/09/2022 04:29	T
1,2-Dichlorobenzene	0.00053 U	mg/Kg	0.0033	0.00053	1	02/09/2022 01:17	02/09/2022 04:29	T
1,2-Dichloroethane	0.00087 U	mg/Kg	0.0033	0.00087	1	02/09/2022 01:17	02/09/2022 04:29	T
1,2-Dichloropropane	0.00060 U	mg/Kg	0.0033	0.00060	1	02/09/2022 01:17	02/09/2022 04:29	T
1,3-Dichlorobenzene	0.00062 U	mg/Kg	0.0033	0.00062	1	02/09/2022 01:17	02/09/2022 04:29	T
1,4-Dichlorobenzene	0.00074 U	mg/Kg	0.0033	0.00074	1	02/09/2022 01:17	02/09/2022 04:29	T
2-Chloroethyl Vinyl Ether	0.0029 U	mg/Kg	0.0033	0.0029	1	02/09/2022 01:17	02/09/2022 04:29	T
Acrolein (Propenal)	0.0069 U	mg/Kg	0.017	0.0069	1	02/09/2022 01:17	02/09/2022 04:29	T
Acrylonitrile	0.00058 U	mg/Kg	0.0033	0.00058	1	02/09/2022 01:17	02/09/2022 04:29	T
Benzene	0.00055 U	mg/Kg	0.0033	0.00055	1	02/09/2022 01:17	02/09/2022 04:29	T
Bromodichloromethane	0.00059 U	mg/Kg	0.0033	0.00059	1	02/09/2022 01:17	02/09/2022 04:29	T
Bromoform	0.0022 U	mg/Kg	0.0033	0.0022	1	02/09/2022 01:17	02/09/2022 04:29	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524003 **Date Collected:** 02/04/2022 10:40 **Matrix:** Soil
Sample ID: SB-31@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Bromomethane	0.0014 U	mg/Kg	0.0033	0.0014	1	02/09/2022 01:17	02/09/2022 04:29	T
Carbon Tetrachloride	0.00094 U	mg/Kg	0.0033	0.00094	1	02/09/2022 01:17	02/09/2022 04:29	T
Chlorobenzene	0.00050 U	mg/Kg	0.0033	0.00050	1	02/09/2022 01:17	02/09/2022 04:29	T
Chloroethane	0.0017 U	mg/Kg	0.0033	0.0017	1	02/09/2022 01:17	02/09/2022 04:29	T
Chloroform	0.00068 U	mg/Kg	0.0033	0.00068	1	02/09/2022 01:17	02/09/2022 04:29	T
Chloromethane	0.00076 U	mg/Kg	0.0033	0.00076	1	02/09/2022 01:17	02/09/2022 04:29	T
Dibromochloromethane	0.0019 U	mg/Kg	0.0033	0.0019	1	02/09/2022 01:17	02/09/2022 04:29	T
Dichlorodifluoromethane	0.0011 U	mg/Kg	0.0033	0.0011	1	02/09/2022 01:17	02/09/2022 04:29	T
Ethylbenzene	0.00040 U	mg/Kg	0.0033	0.00040	1	02/09/2022 01:17	02/09/2022 04:29	T
Methyl tert-butyl Ether (MTBE)	0.0011 U	mg/Kg	0.0033	0.0011	1	02/09/2022 01:17	02/09/2022 04:29	T
Methylene Chloride	0.0045 U	mg/Kg	0.0056	0.0045	1	02/09/2022 01:17	02/09/2022 04:29	T
Tetrachloroethylene (PCE)	0.00063 U	mg/Kg	0.0033	0.00063	1	02/09/2022 01:17	02/09/2022 04:29	T
Toluene	0.00041 U	mg/Kg	0.0033	0.00041	1	02/09/2022 01:17	02/09/2022 04:29	T
Trichloroethene	0.00082 U	mg/Kg	0.0033	0.00082	1	02/09/2022 01:17	02/09/2022 04:29	T
Trichlorofluoromethane	0.00074 U	mg/Kg	0.0033	0.00074	1	02/09/2022 01:17	02/09/2022 04:29	T
Vinyl Chloride	0.00064 U	mg/Kg	0.0033	0.00064	1	02/09/2022 01:17	02/09/2022 04:29	T
Xylene (Total)	0.0014 U	mg/Kg	0.0067	0.0014	1	02/09/2022 01:17	02/09/2022 04:29	T
cis-1,2-Dichloroethylene	0.00066 U	mg/Kg	0.0033	0.00066	1	02/09/2022 01:17	02/09/2022 04:29	T
cis-1,3-Dichloropropene	0.0024 U	mg/Kg	0.0033	0.0024	1	02/09/2022 01:17	02/09/2022 04:29	T
trans-1,2-Dichloroethylene	0.00068 U	mg/Kg	0.0033	0.00068	1	02/09/2022 01:17	02/09/2022 04:29	T
trans-1,3-Dichloropropylene	0.0020 U	mg/Kg	0.0033	0.0020	1	02/09/2022 01:17	02/09/2022 04:29	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Analysis Results Comments

Decachlorobiphenyl

J4|Estimated Result

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	50	47	93	69 - 134	T
Toluene-d8 (S)	ug/Kg	50	48	96	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	50	55	110	79 - 126	T
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.38	97	33 - 134	T
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.30	76	37 - 127	T
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.38	96	42 - 141	T
Nonatricontane-C39 (S)	mg/Kg	6	5.90	100	36 - 132	T
o-Terphenyl (S)	mg/Kg	2	1.70	87	66 - 136	T
Decachlorobiphenyl (S)	ug/Kg	72	44	**61**	63 - 130	M
Tetrachloro-m-xylene (S)	ug/Kg	140	150	106	42 - 129	M
2,4,6-Tribromophenol (S)	mg/Kg	2	2.10	108	39 - 132	T
Phenol-d6 (S)	mg/Kg	2	1.90	94	33 - 122	T
2-Fluorobiphenyl (S)	mg/Kg	2	1.80	89	44 - 115	T
2-Fluorophenol (S)	mg/Kg	2	1.80	91	35 - 115	T
Nitrobenzene-d5 (S)	mg/Kg	2	2	103	37 - 122	T
p-Terphenyl-d14 (S)	mg/Kg	2	1.80	93	54 - 127	T
Decachlorobiphenyl (S)	ug/Kg	77	47	61	61 - 147	M
Tetrachloro-m-xylene (S)	ug/Kg	150	160	106	44 - 130	M

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524004 **Date Collected:** 02/04/2022 11:00 **Matrix:** Soil
Sample ID: SB-32@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	0.13 U	mg/Kg	0.27	0.13	1	02/08/2022 15:00	02/09/2022 17:42	T
Cadmium	0.027 U	mg/Kg	0.054	0.027	1	02/08/2022 15:00	02/09/2022 17:42	T
Chromium	**2.3**	mg/Kg	0.27	0.21	1	02/08/2022 15:00	02/09/2022 17:42	T
Lead	**18**	mg/Kg	0.27	0.13	1	02/08/2022 15:00	02/09/2022 17:42	T
SEMIVOLATILES (FL-PRO)								
TPH	**17**	mg/Kg	15	5.3	1	02/07/2022 16:15	02/08/2022 17:07	T
SEMIVOLATILES (SW-846 3550B/EPA 8081)								
4,4`-DDD	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 15:55	M
4,4`-DDE	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 15:55	M
4,4`-DDT	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 15:55	M
Aldrin	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 15:55	M
Chlordane (technical)	0.010 U	mg/Kg	0.034	0.010	1	02/07/2022 07:30	02/07/2022 15:55	M
Dieldrin	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 15:55	M
Endosulfan I	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 15:55	M
Endosulfan II	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 15:55	M
Endosulfan Sulfate	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 15:55	M
Endrin	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 15:55	M
Endrin Aldehyde	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 15:55	M
Heptachlor	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 15:55	M
Heptachlor Epoxide	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 15:55	M
Methoxychlor	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 15:55	M
Toxaphene	0.011 U	mg/Kg	0.034	0.011	1	02/07/2022 07:30	02/07/2022 15:55	M
alpha-BHC	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 15:55	M
beta-BHC	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 15:55	M
delta-BHC	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 15:55	M
gamma-BHC (Lindane)	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 15:55	M
SEMIVOLATILES (SW-846 3550B/SW-846 8082A)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524004 **Date Collected:** 02/04/2022 11:00 **Matrix:** Soil
Sample ID: SB-32@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Aroclor 1016 (PCB-1016)	0.021 U	mg/Kg	0.034	0.021	1	02/07/2022 07:30	02/07/2022 15:55	M
Aroclor 1221 (PCB-1221)	0.024 U	mg/Kg	0.034	0.024	1	02/07/2022 07:30	02/07/2022 15:55	M
Aroclor 1232 (PCB-1232)	0.033 U	mg/Kg	0.034	0.033	1	02/07/2022 07:30	02/07/2022 15:55	M
Aroclor 1242 (PCB-1242)	0.026 U	mg/Kg	0.034	0.026	1	02/07/2022 07:30	02/07/2022 15:55	M
Aroclor 1248 (PCB-1248)	0.012 U	mg/Kg	0.034	0.012	1	02/07/2022 07:30	02/07/2022 15:55	M
Aroclor 1254 (PCB-1254)	0.0069 U	mg/Kg	0.034	0.0069	1	02/07/2022 07:30	02/07/2022 15:55	M
Aroclor 1260 (PCB-1260)	0.041 U	mg/Kg	0.069	0.041	1	02/07/2022 07:30	02/07/2022 15:55	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	**0.0034 I**	mg/Kg	0.0089	0.0017	1	02/07/2022 16:15	02/08/2022 23:40	T
2-Methylnaphthalene	**0.0035 I**	mg/Kg	0.0089	0.0022	1	02/07/2022 16:15	02/08/2022 23:40	T
Acenaphthene	0.0016 U	mg/Kg	0.0089	0.0016	1	02/07/2022 16:15	02/08/2022 23:40	T
Acenaphthylene	**0.014**	mg/Kg	0.0089	0.0019	1	02/07/2022 16:15	02/08/2022 23:40	T
Anthracene	**0.021**	mg/Kg	0.0089	0.0027	1	02/07/2022 16:15	02/08/2022 23:40	T
Benzo[a]anthracene	**0.081**	mg/Kg	0.0089	0.0021	1	02/07/2022 16:15	02/08/2022 23:40	T
Benzo[a]pyrene	**0.10**	mg/Kg	0.0089	0.0018	1	02/07/2022 16:15	02/08/2022 23:40	T
Benzo[b]fluoranthene	**0.15**	mg/Kg	0.0089	0.0017	1	02/07/2022 16:15	02/08/2022 23:40	T
Benzo[g,h,i]perylene	**0.10**	mg/Kg	0.0089	0.0021	1	02/07/2022 16:15	02/08/2022 23:40	T
Benzo[k]fluoranthene	**0.057**	mg/Kg	0.0089	0.0025	1	02/07/2022 16:15	02/08/2022 23:40	T
Chrysene	**0.11**	mg/Kg	0.0089	0.0031	1	02/07/2022 16:15	02/08/2022 23:40	T
Dibenzo[a,h]anthracene	**0.026**	mg/Kg	0.0089	0.0018	1	02/07/2022 16:15	02/08/2022 23:40	T
Fluoranthene	**0.11**	mg/Kg	0.0089	0.0030	1	02/07/2022 16:15	02/08/2022 23:40	T
Fluorene	0.0023 U	mg/Kg	0.0089	0.0023	1	02/07/2022 16:15	02/08/2022 23:40	T
Indeno(1,2,3-cd)pyrene	**0.097**	mg/Kg	0.0089	0.0025	1	02/07/2022 16:15	02/08/2022 23:40	T
Naphthalene	**0.0024 I**	mg/Kg	0.0089	0.0018	1	02/07/2022 16:15	02/08/2022 23:40	T
Phenanthrene	**0.034**	mg/Kg	0.0089	0.0023	1	02/07/2022 16:15	02/08/2022 23:40	T
Pyrene	**0.12**	mg/Kg	0.0089	0.0025	1	02/07/2022 16:15	02/08/2022 23:40	T
SEMIVOLATILES (SW-846 3550B/SW-846 8270C)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524004 **Date Collected:** 02/04/2022 11:00 **Matrix:** Soil
Sample ID: SB-32@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,2,4-Trichlorobenzene	0.033 U	mg/Kg	0.22	0.033	1	02/09/2022 10:00	02/09/2022 20:28	T
1,2-Dichlorobenzene	0.045 U	mg/Kg	0.22	0.045	1	02/09/2022 10:00	02/09/2022 20:28	T
1,2-Diphenylhydrazine	0.085 U	mg/Kg	0.22	0.085	1	02/09/2022 10:00	02/09/2022 20:28	T
1,3-Dichlorobenzene	0.023 U	mg/Kg	0.22	0.023	1	02/09/2022 10:00	02/09/2022 20:28	T
1,4-Dichlorobenzene	0.050 U	mg/Kg	0.22	0.050	1	02/09/2022 10:00	02/09/2022 20:28	T
1-Methylnaphthalene	0.0043 U	mg/Kg	0.22	0.0043	1	02/09/2022 10:00	02/09/2022 20:28	T
2,4,6-Trichlorophenol	0.042 U	mg/Kg	0.22	0.042	1	02/09/2022 10:00	02/09/2022 20:28	T
2,4-Dichlorophenol	0.047 U	mg/Kg	0.22	0.047	1	02/09/2022 10:00	02/09/2022 20:28	T
2,4-Dimethylphenol	0.047 U	mg/Kg	0.22	0.047	1	02/09/2022 10:00	02/09/2022 20:28	T
2,4-Dinitrophenol	0.14 U	mg/Kg	0.22	0.14	1	02/09/2022 10:00	02/09/2022 20:28	T
2,4-Dinitrotoluene (2,4-DNT)	0.070 U	mg/Kg	0.22	0.070	1	02/09/2022 10:00	02/09/2022 20:28	T
2,6-Dinitrotoluene (2,6-DNT)	0.056 U	mg/Kg	0.22	0.056	1	02/09/2022 10:00	02/09/2022 20:28	T
2-Chloronaphthalene	0.043 U	mg/Kg	0.22	0.043	1	02/09/2022 10:00	02/09/2022 20:28	T
2-Chlorophenol	0.040 U	mg/Kg	0.22	0.040	1	02/09/2022 10:00	02/09/2022 20:28	T
2-Methyl-4,6-dinitrophenol	0.050 U	mg/Kg	0.22	0.050	1	02/09/2022 10:00	02/09/2022 20:28	T
2-Methylnaphthalene	0.0053 U	mg/Kg	0.22	0.0053	1	02/09/2022 10:00	02/09/2022 20:28	T
2-Nitrophenol	0.049 U	mg/Kg	0.22	0.049	1	02/09/2022 10:00	02/09/2022 20:28	T
3,3`-Dichlorobenzidine	0.030 U	mg/Kg	0.22	0.030	1	02/09/2022 10:00	02/09/2022 20:28	T
4-Bromophenyl Phenyl Ether	0.057 U	mg/Kg	0.22	0.057	1	02/09/2022 10:00	02/09/2022 20:28	T
4-Chloro-3-methylphenol	0.047 U	mg/Kg	0.22	0.047	1	02/09/2022 10:00	02/09/2022 20:28	T
4-Chlorophenyl Phenyl Ether	0.049 U	mg/Kg	0.22	0.049	1	02/09/2022 10:00	02/09/2022 20:28	T
4-Nitrophenol	0.063 U	mg/Kg	0.22	0.063	1	02/09/2022 10:00	02/09/2022 20:28	T
Acenaphthene	0.0051 U	mg/Kg	0.22	0.0051	1	02/09/2022 10:00	02/09/2022 20:28	T
Acenaphthylene	**0.0064 I**	mg/Kg	0.22	0.0057	1	02/09/2022 10:00	02/09/2022 20:28	T
Anthracene	**0.0088 I**	mg/Kg	0.22	0.0056	1	02/09/2022 10:00	02/09/2022 20:28	T
Benzidine	0.044 U	mg/Kg	0.22	0.044	1	02/09/2022 10:00	02/09/2022 20:28	T
Benzo[a]anthracene	**0.074 I**	mg/Kg	0.22	0.0051	1	02/09/2022 10:00	02/09/2022 20:28	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524004 **Date Collected:** 02/04/2022 11:00 **Matrix:** Soil
Sample ID: SB-32@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[a]pyrene	**0.090 I**	mg/Kg	0.22	0.0048	1	02/09/2022 10:00	02/09/2022 20:28	T
Benzo[b]fluoranthene	**0.13 I**	mg/Kg	0.22	0.0071	1	02/09/2022 10:00	02/09/2022 20:28	T
Benzo[g,h,i]perylene	**0.070 I**	mg/Kg	0.22	0.0042	1	02/09/2022 10:00	02/09/2022 20:28	T
Benzo[k]fluoranthene	0.0074 U	mg/Kg	0.22	0.0074	1	02/09/2022 10:00	02/09/2022 20:28	T
Butyl benzyl phthalate	0.031 U	mg/Kg	0.22	0.031	1	02/09/2022 10:00	02/09/2022 20:28	T
Chrysene	**0.080 I**	mg/Kg	0.22	0.0056	1	02/09/2022 10:00	02/09/2022 20:28	T
Di-n-Butyl Phthalate	0.046 U	mg/Kg	0.22	0.046	1	02/09/2022 10:00	02/09/2022 20:28	T
Di-n-octyl Phthalate	0.029 U	mg/Kg	0.22	0.029	1	02/09/2022 10:00	02/09/2022 20:28	T
Dibenzo[a,h]anthracene	**0.020 I**	mg/Kg	0.22	0.0043	1	02/09/2022 10:00	02/09/2022 20:28	T
Diethyl phthalate	0.043 U	mg/Kg	0.22	0.043	1	02/09/2022 10:00	02/09/2022 20:28	T
Dimethyl phthalate	0.042 U	mg/Kg	0.22	0.042	1	02/09/2022 10:00	02/09/2022 20:28	T
Fluoranthene	**0.092 I**	mg/Kg	0.22	0.054	1	02/09/2022 10:00	02/09/2022 20:28	T
Fluorene	0.0049 U	mg/Kg	0.22	0.0049	1	02/09/2022 10:00	02/09/2022 20:28	T
Hexachlorobenzene	0.065 U	mg/Kg	0.22	0.065	1	02/09/2022 10:00	02/09/2022 20:28	T
Hexachlorobutadiene	0.037 U	mg/Kg	0.22	0.037	1	02/09/2022 10:00	02/09/2022 20:28	T
Hexachlorocyclopentadiene	0.037 U	mg/Kg	0.22	0.037	1	02/09/2022 10:00	02/09/2022 20:28	T
Hexachloroethane	0.031 U	mg/Kg	0.22	0.031	1	02/09/2022 10:00	02/09/2022 20:28	T
Indeno(1,2,3-cd)pyrene	**0.068 I**	mg/Kg	0.22	0.0044	1	02/09/2022 10:00	02/09/2022 20:28	T
Isophorone	0.025 U	mg/Kg	0.22	0.025	1	02/09/2022 10:00	02/09/2022 20:28	T
N-Nitrosodi-n-propylamine	0.040 U	mg/Kg	0.22	0.040	1	02/09/2022 10:00	02/09/2022 20:28	T
N-Nitrosodimethylamine	0.010 U	mg/Kg	0.22	0.010	1	02/09/2022 10:00	02/09/2022 20:28	T
N-Nitrosodiphenylamine	0.029 U	mg/Kg	0.22	0.029	1	02/09/2022 10:00	02/09/2022 20:28	T
Naphthalene	0.0053 U	mg/Kg	0.22	0.0053	1	02/09/2022 10:00	02/09/2022 20:28	T
Nitrobenzene	0.053 U	mg/Kg	0.22	0.053	1	02/09/2022 10:00	02/09/2022 20:28	T
Pentachlorophenol	0.074 U	mg/Kg	0.22	0.074	1	02/09/2022 10:00	02/09/2022 20:28	T
Phenanthrene	**0.026 I**	mg/Kg	0.22	0.0063	1	02/09/2022 10:00	02/09/2022 20:28	T
Phenol	0.044 U	mg/Kg	0.22	0.044	1	02/09/2022 10:00	02/09/2022 20:28	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524004 **Date Collected:** 02/04/2022 11:00 **Matrix:** Soil
Sample ID: SB-32@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	**0.086 I**	mg/Kg	0.22	0.0048	1	02/09/2022 10:00	02/09/2022 20:28	T
bis(2-Chloroethoxy)methane	0.033 U	mg/Kg	0.22	0.033	1	02/09/2022 10:00	02/09/2022 20:28	T
bis(2-Chloroethyl)Ether	0.046 U	mg/Kg	0.22	0.046	1	02/09/2022 10:00	02/09/2022 20:28	T
bis(2-Chloroisopropyl) Ether	0.041 U	mg/Kg	0.22	0.041	1	02/09/2022 10:00	02/09/2022 20:28	T
bis(2-Ethylhexyl) phthalate	0.035 U	mg/Kg	0.22	0.035	1	02/09/2022 10:00	02/09/2022 20:28	T
(SM 2540G)								
Percent Moisture	**11**	%	0.001	0.0010	1	02/09/2022 09:30	02/09/2022 09:30	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1-Trichloroethane	0.00079 U	mg/Kg	0.0034	0.00079	1	02/09/2022 01:17	02/09/2022 04:57	T
1,1,2,2-Tetrachloroethane	0.00057 U	mg/Kg	0.0034	0.00057	1	02/09/2022 01:17	02/09/2022 04:57	T
1,1,2-Trichloroethane	0.00055 U	mg/Kg	0.0034	0.00055	1	02/09/2022 01:17	02/09/2022 04:57	T
1,1-Dichloroethane	0.00079 U	mg/Kg	0.0034	0.00079	1	02/09/2022 01:17	02/09/2022 04:57	T
1,1-Dichloroethylene	0.00083 U	mg/Kg	0.0034	0.00083	1	02/09/2022 01:17	02/09/2022 04:57	T
1,2-Dichlorobenzene	0.00053 U	mg/Kg	0.0034	0.00053	1	02/09/2022 01:17	02/09/2022 04:57	T
1,2-Dichloroethane	0.00088 U	mg/Kg	0.0034	0.00088	1	02/09/2022 01:17	02/09/2022 04:57	T
1,2-Dichloropropane	0.00060 U	mg/Kg	0.0034	0.00060	1	02/09/2022 01:17	02/09/2022 04:57	T
1,3-Dichlorobenzene	0.00062 U	mg/Kg	0.0034	0.00062	1	02/09/2022 01:17	02/09/2022 04:57	T
1,4-Dichlorobenzene	0.00075 U	mg/Kg	0.0034	0.00075	1	02/09/2022 01:17	02/09/2022 04:57	T
2-Chloroethyl Vinyl Ether	0.0029 U	mg/Kg	0.0034	0.0029	1	02/09/2022 01:17	02/09/2022 04:57	T
Acrolein (Propenal)	0.0070 U	mg/Kg	0.017	0.0070	1	02/09/2022 01:17	02/09/2022 04:57	T
Acrylonitrile	0.00059 U	mg/Kg	0.0034	0.00059	1	02/09/2022 01:17	02/09/2022 04:57	T
Benzene	0.00056 U	mg/Kg	0.0034	0.00056	1	02/09/2022 01:17	02/09/2022 04:57	T
Bromodichloromethane	0.00060 U	mg/Kg	0.0034	0.00060	1	02/09/2022 01:17	02/09/2022 04:57	T
Bromoform	0.0023 U	mg/Kg	0.0034	0.0023	1	02/09/2022 01:17	02/09/2022 04:57	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524004 **Date Collected:** 02/04/2022 11:00 **Matrix:** Soil
Sample ID: SB-32@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Bromomethane	0.0014 U	mg/Kg	0.0034	0.0014	1	02/09/2022 01:17	02/09/2022 04:57	T
Carbon Tetrachloride	0.00095 U	mg/Kg	0.0034	0.00095	1	02/09/2022 01:17	02/09/2022 04:57	T
Chlorobenzene	0.00050 U	mg/Kg	0.0034	0.00050	1	02/09/2022 01:17	02/09/2022 04:57	T
Chloroethane	0.0017 U	mg/Kg	0.0034	0.0017	1	02/09/2022 01:17	02/09/2022 04:57	T
Chloroform	0.00069 U	mg/Kg	0.0034	0.00069	1	02/09/2022 01:17	02/09/2022 04:57	T
Chloromethane	0.00077 U	mg/Kg	0.0034	0.00077	1	02/09/2022 01:17	02/09/2022 04:57	T
Dibromochloromethane	0.0019 U	mg/Kg	0.0034	0.0019	1	02/09/2022 01:17	02/09/2022 04:57	T
Dichlorodifluoromethane	0.0012 U	mg/Kg	0.0034	0.0012	1	02/09/2022 01:17	02/09/2022 04:57	T
Ethylbenzene	0.00040 U	mg/Kg	0.0034	0.00040	1	02/09/2022 01:17	02/09/2022 04:57	T
Methyl tert-butyl Ether (MTBE)	0.0011 U	mg/Kg	0.0034	0.0011	1	02/09/2022 01:17	02/09/2022 04:57	T
Methylene Chloride	0.0045 U	mg/Kg	0.0056	0.0045	1	02/09/2022 01:17	02/09/2022 04:57	T
Tetrachloroethylene (PCE)	0.00064 U	mg/Kg	0.0034	0.00064	1	02/09/2022 01:17	02/09/2022 04:57	T
Toluene	0.00042 U	mg/Kg	0.0034	0.00042	1	02/09/2022 01:17	02/09/2022 04:57	T
Trichloroethene	0.00083 U	mg/Kg	0.0034	0.00083	1	02/09/2022 01:17	02/09/2022 04:57	T
Trichlorofluoromethane	0.00075 U	mg/Kg	0.0034	0.00075	1	02/09/2022 01:17	02/09/2022 04:57	T
Vinyl Chloride	0.00065 U	mg/Kg	0.0034	0.00065	1	02/09/2022 01:17	02/09/2022 04:57	T
Xylene (Total)	0.0015 U	mg/Kg	0.0068	0.0015	1	02/09/2022 01:17	02/09/2022 04:57	T
cis-1,2-Dichloroethylene	0.00067 U	mg/Kg	0.0034	0.00067	1	02/09/2022 01:17	02/09/2022 04:57	T
cis-1,3-Dichloropropene	0.0024 U	mg/Kg	0.0034	0.0024	1	02/09/2022 01:17	02/09/2022 04:57	T
trans-1,2-Dichloroethylene	0.00068 U	mg/Kg	0.0034	0.00068	1	02/09/2022 01:17	02/09/2022 04:57	T
trans-1,3-Dichloropropylene	0.0021 U	mg/Kg	0.0034	0.0021	1	02/09/2022 01:17	02/09/2022 04:57	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	50	46	92	69 - 134	T
Toluene-d8 (S)	ug/Kg	50	47	95	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	50	54	108	79 - 126	T
2-Fluorobiphenyl (S)	mg/Kg	0.39	0.24	61	37 - 127	T
Nitrobenzene-d5 (S)	mg/Kg	0.39	0.29	73	33 - 134	T
p-Terphenyl-d14 (S)	mg/Kg	0.39	0.36	92	42 - 141	T
o-Terphenyl (S)	mg/Kg	2	1.50	76	66 - 136	T
Nonatricontane-C39 (S)	mg/Kg	5.90	5.30	90	36 - 132	T
Decachlorobiphenyl (S)	ug/Kg	77	52	68	63 - 130	M
Tetrachloro-m-xylene (S)	ug/Kg	150	190	124	42 - 129	M
2,4,6-Tribromophenol (S)	mg/Kg	2	1.90	97	39 - 132	T
Phenol-d6 (S)	mg/Kg	2	1.40	71	33 - 122	T
2-Fluorobiphenyl (S)	mg/Kg	2	1.30	65	44 - 115	T
2-Fluorophenol (S)	mg/Kg	2	1.30	68	35 - 115	T
Nitrobenzene-d5 (S)	mg/Kg	2	1.40	69	37 - 122	T
p-Terphenyl-d14 (S)	mg/Kg	2	1.90	94	54 - 127	T
Decachlorobiphenyl (S)	ug/Kg	76	51	68	61 - 147	M
Tetrachloro-m-xylene (S)	ug/Kg	150	190	124	44 - 130	M

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524005 **Date Collected:** 02/04/2022 11:20 **Matrix:** Soil
Sample ID: SB-33@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**1.0**	mg/Kg	0.26	0.13	1	02/08/2022 15:00	02/09/2022 17:50	T
Cadmium	**0.27**	mg/Kg	0.053	0.026	1	02/08/2022 15:00	02/09/2022 17:50	T
Chromium	**8.6**	mg/Kg	0.26	0.21	1	02/08/2022 15:00	02/09/2022 17:50	T
Lead	**23**	mg/Kg	0.26	0.13	1	02/08/2022 15:00	02/09/2022 17:50	T
SEMIVOLATILES (FL-PRO)								
TPH	**10 I**	mg/Kg	14	5.0	1	02/07/2022 16:15	02/08/2022 14:16	T
SEMIVOLATILES (SW-846 3550B/EPA 8081)								
4,4`-DDD	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 16:16	M
4,4`-DDE	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 16:16	M
4,4`-DDT	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 16:16	M
Aldrin	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 16:16	M
Chlordane (technical)	0.0096 U	mg/Kg	0.032	0.0096	1	02/07/2022 07:30	02/07/2022 16:16	M
Dieldrin	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 16:16	M
Endosulfan I	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 16:16	M
Endosulfan II	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 16:16	M
Endosulfan Sulfate	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 16:16	M
Endrin	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 16:16	M
Endrin Aldehyde	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 16:16	M
Heptachlor	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 16:16	M
Heptachlor Epoxide	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 16:16	M
Methoxychlor	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 16:16	M
Toxaphene	0.010 U	mg/Kg	0.032	0.010	1	02/07/2022 07:30	02/07/2022 16:16	M
alpha-BHC	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 16:16	M
beta-BHC	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 16:16	M
delta-BHC	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 16:16	M
gamma-BHC (Lindane)	0.0011 U	mg/Kg	0.0016	0.0011	1	02/07/2022 07:30	02/07/2022 16:16	M
SEMIVOLATILES (SW-846 3550B/SW-846 8082A)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524005 **Date Collected:** 02/04/2022 11:20 **Matrix:** Soil
Sample ID: SB-33@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Aroclor 1016 (PCB-1016)	0.020 U	mg/Kg	0.033	0.020	1	02/07/2022 07:30	02/07/2022 16:16	M
Aroclor 1221 (PCB-1221)	0.023 U	mg/Kg	0.033	0.023	1	02/07/2022 07:30	02/07/2022 16:16	M
Aroclor 1232 (PCB-1232)	0.032 U	mg/Kg	0.033	0.032	1	02/07/2022 07:30	02/07/2022 16:16	M
Aroclor 1242 (PCB-1242)	0.025 U	mg/Kg	0.033	0.025	1	02/07/2022 07:30	02/07/2022 16:16	M
Aroclor 1248 (PCB-1248)	0.012 U	mg/Kg	0.033	0.012	1	02/07/2022 07:30	02/07/2022 16:16	M
Aroclor 1254 (PCB-1254)	0.0066 U	mg/Kg	0.033	0.0066	1	02/07/2022 07:30	02/07/2022 16:16	M
Aroclor 1260 (PCB-1260)	0.040 U	mg/Kg	0.066	0.040	1	02/07/2022 07:30	02/07/2022 16:16	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	**0.013**	mg/Kg	0.0084	0.0016	1	02/07/2022 16:15	02/08/2022 17:56	T
2-Methylnaphthalene	**0.017**	mg/Kg	0.0084	0.0021	1	02/07/2022 16:15	02/08/2022 17:56	T
Acenaphthene	0.0015 U	mg/Kg	0.0084	0.0015	1	02/07/2022 16:15	02/08/2022 17:56	T
Acenaphthylene	**0.022**	mg/Kg	0.0084	0.0018	1	02/07/2022 16:15	02/08/2022 17:56	T
Anthracene	**0.022**	mg/Kg	0.0084	0.0025	1	02/07/2022 16:15	02/08/2022 17:56	T
Benzo[a]anthracene	**0.047**	mg/Kg	0.0084	0.0020	1	02/07/2022 16:15	02/08/2022 17:56	T
Benzo[a]pyrene	**0.073**	mg/Kg	0.0084	0.0017	1	02/07/2022 16:15	02/08/2022 17:56	T
Benzo[b]fluoranthene	**0.13**	mg/Kg	0.0084	0.0016	1	02/07/2022 16:15	02/08/2022 17:56	T
Benzo[g,h,i]perylene	**0.077**	mg/Kg	0.0084	0.0019	1	02/07/2022 16:15	02/08/2022 17:56	T
Benzo[k]fluoranthene	**0.047**	mg/Kg	0.0084	0.0024	1	02/07/2022 16:15	02/08/2022 17:56	T
Chrysene	**0.049**	mg/Kg	0.0084	0.0030	1	02/07/2022 16:15	02/08/2022 17:56	T
Dibenzo[a,h]anthracene	**0.020**	mg/Kg	0.0084	0.0017	1	02/07/2022 16:15	02/08/2022 17:56	T
Fluoranthene	**0.047**	mg/Kg	0.0084	0.0028	1	02/07/2022 16:15	02/08/2022 17:56	T
Fluorene	0.0022 U	mg/Kg	0.0084	0.0022	1	02/07/2022 16:15	02/08/2022 17:56	T
Indeno(1,2,3-cd)pyrene	**0.076**	mg/Kg	0.0084	0.0024	1	02/07/2022 16:15	02/08/2022 17:56	T
Naphthalene	**0.012**	mg/Kg	0.0084	0.0017	1	02/07/2022 16:15	02/08/2022 17:56	T
Phenanthrene	**0.014**	mg/Kg	0.0084	0.0022	1	02/07/2022 16:15	02/08/2022 17:56	T
Pyrene	**0.071**	mg/Kg	0.0084	0.0024	1	02/07/2022 16:15	02/08/2022 17:56	T
SEMIVOLATILES (SW-846 3550B/SW-846 8270C)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524005 **Date Collected:** 02/04/2022 11:20 **Matrix:** Soil
Sample ID: SB-33@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,2,4-Trichlorobenzene	0.031 U	mg/Kg	0.21	0.031	1	02/09/2022 10:00	02/09/2022 23:51	T
1,2-Dichlorobenzene	0.042 U	mg/Kg	0.21	0.042	1	02/09/2022 10:00	02/09/2022 23:51	T
1,2-Diphenylhydrazine	0.081 U	mg/Kg	0.21	0.081	1	02/09/2022 10:00	02/09/2022 23:51	T
1,3-Dichlorobenzene	0.022 U	mg/Kg	0.21	0.022	1	02/09/2022 10:00	02/09/2022 23:51	T
1,4-Dichlorobenzene	0.047 U	mg/Kg	0.21	0.047	1	02/09/2022 10:00	02/09/2022 23:51	T
1-Methylnaphthalene	**0.036 I**	mg/Kg	0.21	0.0041	1	02/09/2022 10:00	02/09/2022 23:51	T
2,4,6-Trichlorophenol	0.039 U	mg/Kg	0.21	0.039	1	02/09/2022 10:00	02/09/2022 23:51	T
2,4-Dichlorophenol	0.045 U	mg/Kg	0.21	0.045	1	02/09/2022 10:00	02/09/2022 23:51	T
2,4-Dimethylphenol	0.045 U	mg/Kg	0.21	0.045	1	02/09/2022 10:00	02/09/2022 23:51	T
2,4-Dinitrophenol	0.13 U	mg/Kg	0.21	0.13	1	02/09/2022 10:00	02/09/2022 23:51	T
2,4-Dinitrotoluene (2,4-DNT)	0.066 U	mg/Kg	0.21	0.066	1	02/09/2022 10:00	02/09/2022 23:51	T
2,6-Dinitrotoluene (2,6-DNT)	0.053 U	mg/Kg	0.21	0.053	1	02/09/2022 10:00	02/09/2022 23:51	T
2-Chloronaphthalene	0.041 U	mg/Kg	0.21	0.041	1	02/09/2022 10:00	02/09/2022 23:51	T
2-Chlorophenol	0.037 U	mg/Kg	0.21	0.037	1	02/09/2022 10:00	02/09/2022 23:51	T
2-Methyl-4,6-dinitrophenol	0.047 U	mg/Kg	0.21	0.047	1	02/09/2022 10:00	02/09/2022 23:51	T
2-Methylnaphthalene	**0.069 I**	mg/Kg	0.21	0.0050	1	02/09/2022 10:00	02/09/2022 23:51	T
2-Nitrophenol	0.047 U	mg/Kg	0.21	0.047	1	02/09/2022 10:00	02/09/2022 23:51	T
3,3`-Dichlorobenzidine	0.029 U	mg/Kg	0.21	0.029	1	02/09/2022 10:00	02/09/2022 23:51	T
4-Bromophenyl Phenyl Ether	0.054 U	mg/Kg	0.21	0.054	1	02/09/2022 10:00	02/09/2022 23:51	T
4-Chloro-3-methylphenol	0.045 U	mg/Kg	0.21	0.045	1	02/09/2022 10:00	02/09/2022 23:51	T
4-Chlorophenyl Phenyl Ether	0.046 U	mg/Kg	0.21	0.046	1	02/09/2022 10:00	02/09/2022 23:51	T
4-Nitrophenol	0.059 U	mg/Kg	0.21	0.059	1	02/09/2022 10:00	02/09/2022 23:51	T
Acenaphthene	0.0048 U	mg/Kg	0.21	0.0048	1	02/09/2022 10:00	02/09/2022 23:51	T
Acenaphthylene	**0.025 I**	mg/Kg	0.21	0.0054	1	02/09/2022 10:00	02/09/2022 23:51	T
Anthracene	**0.017 I**	mg/Kg	0.21	0.0053	1	02/09/2022 10:00	02/09/2022 23:51	T
Benzidine	0.042 U	mg/Kg	0.21	0.042	1	02/09/2022 10:00	02/09/2022 23:51	T
Benzo[a]anthracene	**0.073 I**	mg/Kg	0.21	0.0048	1	02/09/2022 10:00	02/09/2022 23:51	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524005 **Date Collected:** 02/04/2022 11:20 **Matrix:** Soil
Sample ID: SB-33@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[a]pyrene	**0.12 I**	mg/Kg	0.21	0.0045	1	02/09/2022 10:00	02/09/2022 23:51	T
Benzo[b]fluoranthene	**0.21**	mg/Kg	0.21	0.0067	1	02/09/2022 10:00	02/09/2022 23:51	T
Benzo[g,h,i]perylene	**0.10 I**	mg/Kg	0.21	0.0039	1	02/09/2022 10:00	02/09/2022 23:51	T
Benzo[k]fluoranthene	0.0070 U	mg/Kg	0.21	0.0070	1	02/09/2022 10:00	02/09/2022 23:51	T
Butyl benzyl phthalate	0.029 U	mg/Kg	0.21	0.029	1	02/09/2022 10:00	02/09/2022 23:51	T
Chrysene	**0.099 I**	mg/Kg	0.21	0.0053	1	02/09/2022 10:00	02/09/2022 23:51	T
Di-n-Butyl Phthalate	0.044 U	mg/Kg	0.21	0.044	1	02/09/2022 10:00	02/09/2022 23:51	T
Di-n-octyl Phthalate	0.028 U	mg/Kg	0.21	0.028	1	02/09/2022 10:00	02/09/2022 23:51	T
Dibenzo[a,h]anthracene	**0.029 I**	mg/Kg	0.21	0.0040	1	02/09/2022 10:00	02/09/2022 23:51	T
Diethyl phthalate	0.041 U	mg/Kg	0.21	0.041	1	02/09/2022 10:00	02/09/2022 23:51	T
Dimethyl phthalate	0.039 U	mg/Kg	0.21	0.039	1	02/09/2022 10:00	02/09/2022 23:51	T
Fluoranthene	**0.097 I**	mg/Kg	0.21	0.051	1	02/09/2022 10:00	02/09/2022 23:51	T
Fluorene	0.0047 U	mg/Kg	0.21	0.0047	1	02/09/2022 10:00	02/09/2022 23:51	T
Hexachlorobenzene	0.062 U	mg/Kg	0.21	0.062	1	02/09/2022 10:00	02/09/2022 23:51	T
Hexachlorobutadiene	0.035 U	mg/Kg	0.21	0.035	1	02/09/2022 10:00	02/09/2022 23:51	T
Hexachlorocyclopentadiene	0.035 U	mg/Kg	0.21	0.035	1	02/09/2022 10:00	02/09/2022 23:51	T
Hexachloroethane	0.029 U	mg/Kg	0.21	0.029	1	02/09/2022 10:00	02/09/2022 23:51	T
Indeno(1,2,3-cd)pyrene	**0.10 I**	mg/Kg	0.21	0.0041	1	02/09/2022 10:00	02/09/2022 23:51	T
Isophorone	0.024 U	mg/Kg	0.21	0.024	1	02/09/2022 10:00	02/09/2022 23:51	T
N-Nitrosodi-n-propylamine	0.037 U	mg/Kg	0.21	0.037	1	02/09/2022 10:00	02/09/2022 23:51	T
N-Nitrosodimethylamine	0.0095 U	mg/Kg	0.21	0.0095	1	02/09/2022 10:00	02/09/2022 23:51	T
N-Nitrosodiphenylamine	0.028 U	mg/Kg	0.21	0.028	1	02/09/2022 10:00	02/09/2022 23:51	T
Naphthalene	**0.052 I**	mg/Kg	0.21	0.0050	1	02/09/2022 10:00	02/09/2022 23:51	T
Nitrobenzene	0.050 U	mg/Kg	0.21	0.050	1	02/09/2022 10:00	02/09/2022 23:51	T
Pentachlorophenol	0.070 U	mg/Kg	0.21	0.070	1	02/09/2022 10:00	02/09/2022 23:51	T
Phenanthrene	**0.021 I**	mg/Kg	0.21	0.0060	1	02/09/2022 10:00	02/09/2022 23:51	T
Phenol	0.041 U	mg/Kg	0.21	0.041	1	02/09/2022 10:00	02/09/2022 23:51	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524005 **Date Collected:** 02/04/2022 11:20 **Matrix:** Soil
Sample ID: SB-33@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	**0.11 I**	mg/Kg	0.21	0.0045	1	02/09/2022 10:00	02/09/2022 23:51	T
bis(2-Chloroethoxy)methane	0.031 U	mg/Kg	0.21	0.031	1	02/09/2022 10:00	02/09/2022 23:51	T
bis(2-Chloroethyl)Ether	0.043 U	mg/Kg	0.21	0.043	1	02/09/2022 10:00	02/09/2022 23:51	T
bis(2-Chloroisopropyl) Ether	0.038 U	mg/Kg	0.21	0.038	1	02/09/2022 10:00	02/09/2022 23:51	T
bis(2-Ethylhexyl) phthalate	0.033 U	mg/Kg	0.21	0.033	1	02/09/2022 10:00	02/09/2022 23:51	T
(SM 2540G)								
Percent Moisture	**6**	%	0.001	0.0010	1	02/09/2022 09:30	02/09/2022 09:30	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1-Trichloroethane	0.00074 U	mg/Kg	0.0032	0.00074	1	02/09/2022 01:17	02/09/2022 05:24	T
1,1,2,2-Tetrachloroethane	0.00054 U	mg/Kg	0.0032	0.00054	1	02/09/2022 01:17	02/09/2022 05:24	T
1,1,2-Trichloroethane	0.00052 U	mg/Kg	0.0032	0.00052	1	02/09/2022 01:17	02/09/2022 05:24	T
1,1-Dichloroethane	0.00075 U	mg/Kg	0.0032	0.00075	1	02/09/2022 01:17	02/09/2022 05:24	T
1,1-Dichloroethylene	0.00078 U	mg/Kg	0.0032	0.00078	1	02/09/2022 01:17	02/09/2022 05:24	T
1,2-Dichlorobenzene	0.00050 U	mg/Kg	0.0032	0.00050	1	02/09/2022 01:17	02/09/2022 05:24	T
1,2-Dichloroethane	0.00083 U	mg/Kg	0.0032	0.00083	1	02/09/2022 01:17	02/09/2022 05:24	T
1,2-Dichloropropane	0.00057 U	mg/Kg	0.0032	0.00057	1	02/09/2022 01:17	02/09/2022 05:24	T
1,3-Dichlorobenzene	0.00059 U	mg/Kg	0.0032	0.00059	1	02/09/2022 01:17	02/09/2022 05:24	T
1,4-Dichlorobenzene	0.00070 U	mg/Kg	0.0032	0.00070	1	02/09/2022 01:17	02/09/2022 05:24	T
2-Chloroethyl Vinyl Ether	0.0028 U	mg/Kg	0.0032	0.0028	1	02/09/2022 01:17	02/09/2022 05:24	T
Acrolein (Propenal)	0.0066 U	mg/Kg	0.016	0.0066	1	02/09/2022 01:17	02/09/2022 05:24	T
Acrylonitrile	0.00055 U	mg/Kg	0.0032	0.00055	1	02/09/2022 01:17	02/09/2022 05:24	T
Benzene	0.00053 U	mg/Kg	0.0032	0.00053	1	02/09/2022 01:17	02/09/2022 05:24	T
Bromodichloromethane	0.00056 U	mg/Kg	0.0032	0.00056	1	02/09/2022 01:17	02/09/2022 05:24	T
Bromoform	0.0021 U	mg/Kg	0.0032	0.0021	1	02/09/2022 01:17	02/09/2022 05:24	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524005 **Date Collected:** 02/04/2022 11:20 **Matrix:** Soil
Sample ID: SB-33@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Bromomethane	0.0013 U	mg/Kg	0.0032	0.0013	1	02/09/2022 01:17	02/09/2022 05:24	T
Carbon Tetrachloride	0.00090 U	mg/Kg	0.0032	0.00090	1	02/09/2022 01:17	02/09/2022 05:24	T
Chlorobenzene	0.00047 U	mg/Kg	0.0032	0.00047	1	02/09/2022 01:17	02/09/2022 05:24	T
Chloroethane	0.0016 U	mg/Kg	0.0032	0.0016	1	02/09/2022 01:17	02/09/2022 05:24	T
Chloroform	0.00065 U	mg/Kg	0.0032	0.00065	1	02/09/2022 01:17	02/09/2022 05:24	T
Chloromethane	0.00073 U	mg/Kg	0.0032	0.00073	1	02/09/2022 01:17	02/09/2022 05:24	T
Dibromochloromethane	0.0018 U	mg/Kg	0.0032	0.0018	1	02/09/2022 01:17	02/09/2022 05:24	T
Dichlorodifluoromethane	0.0011 U	mg/Kg	0.0032	0.0011	1	02/09/2022 01:17	02/09/2022 05:24	T
Ethylbenzene	0.00038 U	mg/Kg	0.0032	0.00038	1	02/09/2022 01:17	02/09/2022 05:24	T
Methyl tert-butyl Ether (MTBE)	0.0010 U	mg/Kg	0.0032	0.0010	1	02/09/2022 01:17	02/09/2022 05:24	T
Methylene Chloride	0.0043 U	mg/Kg	0.0053	0.0043	1	02/09/2022 01:17	02/09/2022 05:24	T
Tetrachloroethylene (PCE)	0.00061 U	mg/Kg	0.0032	0.00061	1	02/09/2022 01:17	02/09/2022 05:24	T
Toluene	0.00039 U	mg/Kg	0.0032	0.00039	1	02/09/2022 01:17	02/09/2022 05:24	T
Trichloroethene	0.00078 U	mg/Kg	0.0032	0.00078	1	02/09/2022 01:17	02/09/2022 05:24	T
Trichlorofluoromethane	0.00070 U	mg/Kg	0.0032	0.00070	1	02/09/2022 01:17	02/09/2022 05:24	T
Vinyl Chloride	0.00061 U	mg/Kg	0.0032	0.00061	1	02/09/2022 01:17	02/09/2022 05:24	T
Xylene (Total)	0.0014 U	mg/Kg	0.0064	0.0014	1	02/09/2022 01:17	02/09/2022 05:24	T
cis-1,2-Dichloroethylene	0.00063 U	mg/Kg	0.0032	0.00063	1	02/09/2022 01:17	02/09/2022 05:24	T
cis-1,3-Dichloropropene	0.0023 U	mg/Kg	0.0032	0.0023	1	02/09/2022 01:17	02/09/2022 05:24	T
trans-1,2-Dichloroethylene	0.00064 U	mg/Kg	0.0032	0.00064	1	02/09/2022 01:17	02/09/2022 05:24	T
trans-1,3-Dichloropropylene	0.0020 U	mg/Kg	0.0032	0.0020	1	02/09/2022 01:17	02/09/2022 05:24	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Analysis Results Comments

Decachlorobiphenyl

J4|Estimated Result

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Toluene-d8 (S)	ug/Kg	50	48	95	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	50	54	108	79 - 126	T
1,2-Dichloroethane-d4 (S)	ug/Kg	50	45	90	69 - 134	T
2-Fluorobiphenyl (S)	mg/Kg	0.39	0.26	65	37 - 127	T
Nitrobenzene-d5 (S)	mg/Kg	0.39	0.33	85	33 - 134	T
p-Terphenyl-d14 (S)	mg/Kg	0.39	0.35	89	42 - 141	T
Nonatricontane-C39 (S)	mg/Kg	5.90	5.10	87	36 - 132	T
o-Terphenyl (S)	mg/Kg	2	1.50	74	66 - 136	T
Decachlorobiphenyl (S)	ug/Kg	76	44	**58**	63 - 130	M
Tetrachloro-m-xylene (S)	ug/Kg	150	140	91	42 - 129	M
2,4,6-Tribromophenol (S)	mg/Kg	2	1.80	93	39 - 132	T
Phenol-d6 (S)	mg/Kg	2	1.50	76	33 - 122	T
2-Fluorobiphenyl (S)	mg/Kg	2	1.50	75	44 - 115	T
2-Fluorophenol (S)	mg/Kg	2	1.50	77	35 - 115	T
Nitrobenzene-d5 (S)	mg/Kg	2	1.60	83	37 - 122	T
p-Terphenyl-d14 (S)	mg/Kg	2	1.80	91	54 - 127	T
Decachlorobiphenyl (S)	ug/Kg	78	45	**58**	61 - 147	M
Tetrachloro-m-xylene (S)	ug/Kg	160	140	91	44 - 130	M

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524006 **Date Collected:** 02/04/2022 11:40 **Matrix:** Soil
Sample ID: SB-34@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**0.49**	mg/Kg	0.28	0.14	1	02/08/2022 15:00	02/09/2022 17:53	T
Cadmium	**0.16**	mg/Kg	0.057	0.028	1	02/08/2022 15:00	02/09/2022 17:53	T
Chromium	**6.0**	mg/Kg	0.28	0.23	1	02/08/2022 15:00	02/09/2022 17:53	T
Lead	**12**	mg/Kg	0.28	0.14	1	02/08/2022 15:00	02/09/2022 17:53	T
SEMIVOLATILES (FL-PRO)								
TPH	**14 I**	mg/Kg	15	5.2	1	02/07/2022 16:15	02/08/2022 14:44	T
SEMIVOLATILES (SW-846 3550B/EPA 8081)								
4,4`-DDD	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 16:38	M
4,4`-DDE	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 16:38	M
4,4`-DDT	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 16:38	M
Aldrin	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 16:38	M
Chlordane (technical)	0.010 U	mg/Kg	0.034	0.010	1	02/07/2022 07:30	02/07/2022 16:38	M
Dieldrin	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 16:38	M
Endosulfan I	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 16:38	M
Endosulfan II	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 16:38	M
Endosulfan Sulfate	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 16:38	M
Endrin	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 16:38	M
Endrin Aldehyde	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 16:38	M
Heptachlor	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 16:38	M
Heptachlor Epoxide	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 16:38	M
Methoxychlor	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 16:38	M
Toxaphene	0.011 U	mg/Kg	0.034	0.011	1	02/07/2022 07:30	02/07/2022 16:38	M
alpha-BHC	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 16:38	M
beta-BHC	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 16:38	M
delta-BHC	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 16:38	M
gamma-BHC (Lindane)	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 16:38	M
SEMIVOLATILES (SW-846 3550B/SW-846 8082A)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524006 **Date Collected:** 02/04/2022 11:40 **Matrix:** Soil
Sample ID: SB-34@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Aroclor 1016 (PCB-1016)	0.021 U	mg/Kg	0.035	0.021	1	02/07/2022 07:30	02/07/2022 16:38	M
Aroclor 1221 (PCB-1221)	0.024 U	mg/Kg	0.035	0.024	1	02/07/2022 07:30	02/07/2022 16:38	M
Aroclor 1232 (PCB-1232)	0.033 U	mg/Kg	0.035	0.033	1	02/07/2022 07:30	02/07/2022 16:38	M
Aroclor 1242 (PCB-1242)	0.026 U	mg/Kg	0.035	0.026	1	02/07/2022 07:30	02/07/2022 16:38	M
Aroclor 1248 (PCB-1248)	0.013 U	mg/Kg	0.035	0.013	1	02/07/2022 07:30	02/07/2022 16:38	M
Aroclor 1254 (PCB-1254)	0.0070 U	mg/Kg	0.035	0.0070	1	02/07/2022 07:30	02/07/2022 16:38	M
Aroclor 1260 (PCB-1260)	0.042 U	mg/Kg	0.070	0.042	1	02/07/2022 07:30	02/07/2022 16:38	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	**0.0070 I**	mg/Kg	0.0087	0.0016	1	02/07/2022 16:15	02/08/2022 18:25	T
2-Methylnaphthalene	**0.0076 I**	mg/Kg	0.0087	0.0021	1	02/07/2022 16:15	02/08/2022 18:25	T
Acenaphthene	0.0016 U	mg/Kg	0.0087	0.0016	1	02/07/2022 16:15	02/08/2022 18:25	T
Acenaphthylene	**0.033**	mg/Kg	0.0087	0.0019	1	02/07/2022 16:15	02/08/2022 18:25	T
Anthracene	**0.032**	mg/Kg	0.0087	0.0026	1	02/07/2022 16:15	02/08/2022 18:25	T
Benzo[a]anthracene	**0.073**	mg/Kg	0.0087	0.0021	1	02/07/2022 16:15	02/08/2022 18:25	T
Benzo[a]pyrene	**0.11**	mg/Kg	0.0087	0.0018	1	02/07/2022 16:15	02/08/2022 18:25	T
Benzo[b]fluoranthene	**0.19**	mg/Kg	0.0087	0.0017	1	02/07/2022 16:15	02/08/2022 18:25	T
Benzo[g,h,i]perylene	**0.11**	mg/Kg	0.0087	0.0020	1	02/07/2022 16:15	02/08/2022 18:25	T
Benzo[k]fluoranthene	**0.067**	mg/Kg	0.0087	0.0025	1	02/07/2022 16:15	02/08/2022 18:25	T
Chrysene	**0.071**	mg/Kg	0.0087	0.0031	1	02/07/2022 16:15	02/08/2022 18:25	T
Dibenzo[a,h]anthracene	**0.028**	mg/Kg	0.0087	0.0018	1	02/07/2022 16:15	02/08/2022 18:25	T
Fluoranthene	**0.082**	mg/Kg	0.0087	0.0029	1	02/07/2022 16:15	02/08/2022 18:25	T
Fluorene	0.0023 U	mg/Kg	0.0087	0.0023	1	02/07/2022 16:15	02/08/2022 18:25	T
Indeno(1,2,3-cd)pyrene	**0.11**	mg/Kg	0.0087	0.0025	1	02/07/2022 16:15	02/08/2022 18:25	T
Naphthalene	**0.0050 I**	mg/Kg	0.0087	0.0018	1	02/07/2022 16:15	02/08/2022 18:25	T
Phenanthrene	**0.017**	mg/Kg	0.0087	0.0023	1	02/07/2022 16:15	02/08/2022 18:25	T
Pyrene	**0.11**	mg/Kg	0.0087	0.0025	1	02/07/2022 16:15	02/08/2022 18:25	T
SEMIVOLATILES (SW-846 3550B/SW-846 8270C)								

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524006 **Date Collected:** 02/04/2022 11:40 **Matrix:** Soil
Sample ID: SB-34@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,2,4-Trichlorobenzene	0.032 U	mg/Kg	0.22	0.032	1	02/09/2022 10:00	02/10/2022 01:42	T
1,2-Dichlorobenzene	0.044 U	mg/Kg	0.22	0.044	1	02/09/2022 10:00	02/10/2022 01:42	T
1,2-Diphenylhydrazine	0.083 U	mg/Kg	0.22	0.083	1	02/09/2022 10:00	02/10/2022 01:42	T
1,3-Dichlorobenzene	0.023 U	mg/Kg	0.22	0.023	1	02/09/2022 10:00	02/10/2022 01:42	T
1,4-Dichlorobenzene	0.049 U	mg/Kg	0.22	0.049	1	02/09/2022 10:00	02/10/2022 01:42	T
1-Methylnaphthalene	**0.011 I**	mg/Kg	0.22	0.0042	1	02/09/2022 10:00	02/10/2022 01:42	T
2,4,6-Trichlorophenol	0.041 U	mg/Kg	0.22	0.041	1	02/09/2022 10:00	02/10/2022 01:42	T
2,4-Dichlorophenol	0.046 U	mg/Kg	0.22	0.046	1	02/09/2022 10:00	02/10/2022 01:42	T
2,4-Dimethylphenol	0.046 U	mg/Kg	0.22	0.046	1	02/09/2022 10:00	02/10/2022 01:42	T
2,4-Dinitrophenol	0.13 U	mg/Kg	0.22	0.13	1	02/09/2022 10:00	02/10/2022 01:42	T
2,4-Dinitrotoluene (2,4-DNT)	0.069 U	mg/Kg	0.22	0.069	1	02/09/2022 10:00	02/10/2022 01:42	T
2,6-Dinitrotoluene (2,6-DNT)	0.055 U	mg/Kg	0.22	0.055	1	02/09/2022 10:00	02/10/2022 01:42	T
2-Chloronaphthalene	0.042 U	mg/Kg	0.22	0.042	1	02/09/2022 10:00	02/10/2022 01:42	T
2-Chlorophenol	0.039 U	mg/Kg	0.22	0.039	1	02/09/2022 10:00	02/10/2022 01:42	T
2-Methyl-4,6-dinitrophenol	0.049 U	mg/Kg	0.22	0.049	1	02/09/2022 10:00	02/10/2022 01:42	T
2-Methylnaphthalene	**0.014 I**	mg/Kg	0.22	0.0052	1	02/09/2022 10:00	02/10/2022 01:42	T
2-Nitrophenol	0.048 U	mg/Kg	0.22	0.048	1	02/09/2022 10:00	02/10/2022 01:42	T
3,3`-Dichlorobenzidine	0.030 U	mg/Kg	0.22	0.030	1	02/09/2022 10:00	02/10/2022 01:42	T
4-Bromophenyl Phenyl Ether	0.056 U	mg/Kg	0.22	0.056	1	02/09/2022 10:00	02/10/2022 01:42	T
4-Chloro-3-methylphenol	0.046 U	mg/Kg	0.22	0.046	1	02/09/2022 10:00	02/10/2022 01:42	T
4-Chlorophenyl Phenyl Ether	0.048 U	mg/Kg	0.22	0.048	1	02/09/2022 10:00	02/10/2022 01:42	T
4-Nitrophenol	0.061 U	mg/Kg	0.22	0.061	1	02/09/2022 10:00	02/10/2022 01:42	T
Acenaphthene	0.0049 U	mg/Kg	0.22	0.0049	1	02/09/2022 10:00	02/10/2022 01:42	T
Acenaphthylene	**0.054 I**	mg/Kg	0.22	0.0056	1	02/09/2022 10:00	02/10/2022 01:42	T
Anthracene	**0.036 I**	mg/Kg	0.22	0.0055	1	02/09/2022 10:00	02/10/2022 01:42	T
Benzidine	0.043 U	mg/Kg	0.22	0.043	1	02/09/2022 10:00	02/10/2022 01:42	T
Benzo[a]anthracene	**0.18 I**	mg/Kg	0.22	0.0049	1	02/09/2022 10:00	02/10/2022 01:42	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524006 **Date Collected:** 02/04/2022 11:40 **Matrix:** Soil
Sample ID: SB-34@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[a]pyrene	**0.26**	mg/Kg	0.22	0.0046	1	02/09/2022 10:00	02/10/2022 01:42	T
Benzo[b]fluoranthene	**0.41**	mg/Kg	0.22	0.0069	1	02/09/2022 10:00	02/10/2022 01:42	T
Benzo[g,h,i]perylene	**0.19 I**	mg/Kg	0.22	0.0041	1	02/09/2022 10:00	02/10/2022 01:42	T
Benzo[k]fluoranthene	0.0072 U	mg/Kg	0.22	0.0072	1	02/09/2022 10:00	02/10/2022 01:42	T
Butyl benzyl phthalate	0.030 U	mg/Kg	0.22	0.030	1	02/09/2022 10:00	02/10/2022 01:42	T
Chrysene	**0.17 I**	mg/Kg	0.22	0.0055	1	02/09/2022 10:00	02/10/2022 01:42	T
Di-n-Butyl Phthalate	0.045 U	mg/Kg	0.22	0.045	1	02/09/2022 10:00	02/10/2022 01:42	T
Di-n-octyl Phthalate	0.029 U	mg/Kg	0.22	0.029	1	02/09/2022 10:00	02/10/2022 01:42	T
Dibenzo[a,h]anthracene	**0.057 I**	mg/Kg	0.22	0.0042	1	02/09/2022 10:00	02/10/2022 01:42	T
Diethyl phthalate	0.042 U	mg/Kg	0.22	0.042	1	02/09/2022 10:00	02/10/2022 01:42	T
Dimethyl phthalate	0.041 U	mg/Kg	0.22	0.041	1	02/09/2022 10:00	02/10/2022 01:42	T
Fluoranthene	**0.16 I**	mg/Kg	0.22	0.052	1	02/09/2022 10:00	02/10/2022 01:42	T
Fluorene	**0.0054 I**	mg/Kg	0.22	0.0048	1	02/09/2022 10:00	02/10/2022 01:42	T
Hexachlorobenzene	0.064 U	mg/Kg	0.22	0.064	1	02/09/2022 10:00	02/10/2022 01:42	T
Hexachlorobutadiene	0.036 U	mg/Kg	0.22	0.036	1	02/09/2022 10:00	02/10/2022 01:42	T
Hexachlorocyclopentadiene	0.036 U	mg/Kg	0.22	0.036	1	02/09/2022 10:00	02/10/2022 01:42	T
Hexachloroethane	0.030 U	mg/Kg	0.22	0.030	1	02/09/2022 10:00	02/10/2022 01:42	T
Indeno(1,2,3-cd)pyrene	**0.20 I**	mg/Kg	0.22	0.0043	1	02/09/2022 10:00	02/10/2022 01:42	T
Isophorone	0.024 U	mg/Kg	0.22	0.024	1	02/09/2022 10:00	02/10/2022 01:42	T
N-Nitrosodi-n-propylamine	0.039 U	mg/Kg	0.22	0.039	1	02/09/2022 10:00	02/10/2022 01:42	T
N-Nitrosodimethylamine	0.0098 U	mg/Kg	0.22	0.0098	1	02/09/2022 10:00	02/10/2022 01:42	T
N-Nitrosodiphenylamine	0.029 U	mg/Kg	0.22	0.029	1	02/09/2022 10:00	02/10/2022 01:42	T
Naphthalene	**0.017 I**	mg/Kg	0.22	0.0052	1	02/09/2022 10:00	02/10/2022 01:42	T
Nitrobenzene	0.052 U	mg/Kg	0.22	0.052	1	02/09/2022 10:00	02/10/2022 01:42	T
Pentachlorophenol	0.072 U	mg/Kg	0.22	0.072	1	02/09/2022 10:00	02/10/2022 01:42	T
Phenanthrene	**0.036 I**	mg/Kg	0.22	0.0062	1	02/09/2022 10:00	02/10/2022 01:42	T
Phenol	0.043 U	mg/Kg	0.22	0.043	1	02/09/2022 10:00	02/10/2022 01:42	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524006 **Date Collected:** 02/04/2022 11:40 **Matrix:** Soil
Sample ID: SB-34@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	**0.19 I**	mg/Kg	0.22	0.0047	1	02/09/2022 10:00	02/10/2022 01:42	T
bis(2-Chloroethoxy)methane	0.032 U	mg/Kg	0.22	0.032	1	02/09/2022 10:00	02/10/2022 01:42	T
bis(2-Chloroethyl)Ether	0.045 U	mg/Kg	0.22	0.045	1	02/09/2022 10:00	02/10/2022 01:42	T
bis(2-Chloroisopropyl) Ether	0.040 U	mg/Kg	0.22	0.040	1	02/09/2022 10:00	02/10/2022 01:42	T
bis(2-Ethylhexyl) phthalate	0.034 U	mg/Kg	0.22	0.034	1	02/09/2022 10:00	02/10/2022 01:42	T
(SM 2540G)								
Percent Moisture	**8**	%	0.001	0.0010	1	02/09/2022 09:30	02/09/2022 09:30	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1-Trichloroethane	0.00076 U	mg/Kg	0.0033	0.00076	1	02/09/2022 01:17	02/09/2022 05:52	T
1,1,2,2-Tetrachloroethane	0.00055 U	mg/Kg	0.0033	0.00055	1	02/09/2022 01:17	02/09/2022 05:52	T
1,1,2-Trichloroethane	0.00053 U	mg/Kg	0.0033	0.00053	1	02/09/2022 01:17	02/09/2022 05:52	T
1,1-Dichloroethane	0.00076 U	mg/Kg	0.0033	0.00076	1	02/09/2022 01:17	02/09/2022 05:52	T
1,1-Dichloroethylene	0.00080 U	mg/Kg	0.0033	0.00080	1	02/09/2022 01:17	02/09/2022 05:52	T
1,2-Dichlorobenzene	0.00052 U	mg/Kg	0.0033	0.00052	1	02/09/2022 01:17	02/09/2022 05:52	T
1,2-Dichloroethane	0.00085 U	mg/Kg	0.0033	0.00085	1	02/09/2022 01:17	02/09/2022 05:52	T
1,2-Dichloropropane	0.00058 U	mg/Kg	0.0033	0.00058	1	02/09/2022 01:17	02/09/2022 05:52	T
1,3-Dichlorobenzene	0.00060 U	mg/Kg	0.0033	0.00060	1	02/09/2022 01:17	02/09/2022 05:52	T
1,4-Dichlorobenzene	0.00072 U	mg/Kg	0.0033	0.00072	1	02/09/2022 01:17	02/09/2022 05:52	T
2-Chloroethyl Vinyl Ether	0.0028 U	mg/Kg	0.0033	0.0028	1	02/09/2022 01:17	02/09/2022 05:52	T
Acrolein (Propenal)	0.0068 U	mg/Kg	0.016	0.0068	1	02/09/2022 01:17	02/09/2022 05:52	T
Acrylonitrile	0.00057 U	mg/Kg	0.0033	0.00057	1	02/09/2022 01:17	02/09/2022 05:52	T
Benzene	0.00054 U	mg/Kg	0.0033	0.00054	1	02/09/2022 01:17	02/09/2022 05:52	T
Bromodichloromethane	0.00058 U	mg/Kg	0.0033	0.00058	1	02/09/2022 01:17	02/09/2022 05:52	T
Bromoform	0.0022 U	mg/Kg	0.0033	0.0022	1	02/09/2022 01:17	02/09/2022 05:52	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524006 **Date Collected:** 02/04/2022 11:40 **Matrix:** Soil
Sample ID: SB-34@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Bromomethane	0.0014 U	mg/Kg	0.0033	0.0014	1	02/09/2022 01:17	02/09/2022 05:52	T
Carbon Tetrachloride	0.00092 U	mg/Kg	0.0033	0.00092	1	02/09/2022 01:17	02/09/2022 05:52	T
Chlorobenzene	0.00048 U	mg/Kg	0.0033	0.00048	1	02/09/2022 01:17	02/09/2022 05:52	T
Chloroethane	0.0016 U	mg/Kg	0.0033	0.0016	1	02/09/2022 01:17	02/09/2022 05:52	T
Chloroform	0.00066 U	mg/Kg	0.0033	0.00066	1	02/09/2022 01:17	02/09/2022 05:52	T
Chloromethane	0.00075 U	mg/Kg	0.0033	0.00075	1	02/09/2022 01:17	02/09/2022 05:52	T
Dibromochloromethane	0.0019 U	mg/Kg	0.0033	0.0019	1	02/09/2022 01:17	02/09/2022 05:52	T
Dichlorodifluoromethane	0.0011 U	mg/Kg	0.0033	0.0011	1	02/09/2022 01:17	02/09/2022 05:52	T
Ethylbenzene	0.00039 U	mg/Kg	0.0033	0.00039	1	02/09/2022 01:17	02/09/2022 05:52	T
Methyl tert-butyl Ether (MTBE)	0.0011 U	mg/Kg	0.0033	0.0011	1	02/09/2022 01:17	02/09/2022 05:52	T
Methylene Chloride	0.0044 U	mg/Kg	0.0054	0.0044	1	02/09/2022 01:17	02/09/2022 05:52	T
Tetrachloroethylene (PCE)	0.00062 U	mg/Kg	0.0033	0.00062	1	02/09/2022 01:17	02/09/2022 05:52	T
Toluene	0.00040 U	mg/Kg	0.0033	0.00040	1	02/09/2022 01:17	02/09/2022 05:52	T
Trichloroethene	0.00080 U	mg/Kg	0.0033	0.00080	1	02/09/2022 01:17	02/09/2022 05:52	T
Trichlorofluoromethane	0.00072 U	mg/Kg	0.0033	0.00072	1	02/09/2022 01:17	02/09/2022 05:52	T
Vinyl Chloride	0.00063 U	mg/Kg	0.0033	0.00063	1	02/09/2022 01:17	02/09/2022 05:52	T
Xylene (Total)	0.0014 U	mg/Kg	0.0065	0.0014	1	02/09/2022 01:17	02/09/2022 05:52	T
cis-1,2-Dichloroethylene	0.00064 U	mg/Kg	0.0033	0.00064	1	02/09/2022 01:17	02/09/2022 05:52	T
cis-1,3-Dichloropropene	0.0023 U	mg/Kg	0.0033	0.0023	1	02/09/2022 01:17	02/09/2022 05:52	T
trans-1,2-Dichloroethylene	0.00066 U	mg/Kg	0.0033	0.00066	1	02/09/2022 01:17	02/09/2022 05:52	T
trans-1,3-Dichloropropylene	0.0020 U	mg/Kg	0.0033	0.0020	1	02/09/2022 01:17	02/09/2022 05:52	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Analysis Results Comments

Decachlorobiphenyl

J4|Estimated Result

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	50	46	92	69 - 134	T
Toluene-d8 (S)	ug/Kg	50	47	94	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	50	55	110	79 - 126	T
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.28	71	37 - 127	T
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.35	88	33 - 134	T
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.38	95	42 - 141	T
Nonatricontane-C39 (S)	mg/Kg	6	5.20	87	36 - 132	T
o-Terphenyl (S)	mg/Kg	2	1.50	77	66 - 136	T
Decachlorobiphenyl (S)	ug/Kg	78	36	**46**	63 - 130	M
Tetrachloro-m-xylene (S)	ug/Kg	160	130	81	42 - 129	M
2,4,6-Tribromophenol (S)	mg/Kg	2	2	100	39 - 132	T
Phenol-d6 (S)	mg/Kg	2	1.80	91	33 - 122	T
2-Fluorobiphenyl (S)	mg/Kg	2	1.80	88	44 - 115	T
2-Fluorophenol (S)	mg/Kg	2	1.80	90	35 - 115	T
Nitrobenzene-d5 (S)	mg/Kg	2	1.90	96	37 - 122	T
p-Terphenyl-d14 (S)	mg/Kg	2	1.90	93	54 - 127	T
Decachlorobiphenyl (S)	ug/Kg	80	37	**46**	61 - 147	M
Tetrachloro-m-xylene (S)	ug/Kg	160	130	81	44 - 130	M

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524007 **Date Collected:** 02/04/2022 12:00 **Matrix:** Soil
Sample ID: SB-35@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**0.78**	mg/Kg	0.28	0.14	1	02/08/2022 15:00	02/09/2022 17:56	T
Cadmium	**0.21**	mg/Kg	0.057	0.028	1	02/08/2022 15:00	02/09/2022 17:56	T
Chromium	**8.9**	mg/Kg	0.28	0.23	1	02/08/2022 15:00	02/09/2022 17:56	T
Lead	**27**	mg/Kg	0.28	0.14	1	02/08/2022 15:00	02/09/2022 17:56	T
SEMIVOLATILES (FL-PRO)								
TPH	**18**	mg/Kg	15	5.3	1	02/10/2022 16:30	02/11/2022 16:09	T
SEMIVOLATILES (SW-846 3550B/EPA 8081)								
4,4`-DDD	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 16:59	M
4,4`-DDE	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 16:59	M
4,4`-DDT	**0.0012 I**	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 16:59	M
Aldrin	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 16:59	M
Chlordane (technical)	0.011 U	mg/Kg	0.035	0.011	1	02/07/2022 07:30	02/07/2022 16:59	M
Dieldrin	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 16:59	M
Endosulfan I	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 16:59	M
Endosulfan II	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 16:59	M
Endosulfan Sulfate	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 16:59	M
Endrin	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 16:59	M
Endrin Aldehyde	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 16:59	M
Heptachlor	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 16:59	M
Heptachlor Epoxide	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 16:59	M
Methoxychlor	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 16:59	M
Toxaphene	0.011 U	mg/Kg	0.035	0.011	1	02/07/2022 07:30	02/07/2022 16:59	M
alpha-BHC	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 16:59	M
beta-BHC	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 16:59	M
delta-BHC	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 16:59	M
gamma-BHC (Lindane)	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 16:59	M
SEMIVOLATILES (SW-846 3550B/SW-846 8082A)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524007 **Date Collected:** 02/04/2022 12:00 **Matrix:** Soil
Sample ID: SB-35@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Aroclor 1016 (PCB-1016)	0.021 U	mg/Kg	0.035	0.021	1	02/07/2022 07:30	02/07/2022 16:59	M
Aroclor 1221 (PCB-1221)	0.024 U	mg/Kg	0.035	0.024	1	02/07/2022 07:30	02/07/2022 16:59	M
Aroclor 1232 (PCB-1232)	0.033 U	mg/Kg	0.035	0.033	1	02/07/2022 07:30	02/07/2022 16:59	M
Aroclor 1242 (PCB-1242)	0.026 U	mg/Kg	0.035	0.026	1	02/07/2022 07:30	02/07/2022 16:59	M
Aroclor 1248 (PCB-1248)	0.013 U	mg/Kg	0.035	0.013	1	02/07/2022 07:30	02/07/2022 16:59	M
Aroclor 1254 (PCB-1254)	0.0070 U	mg/Kg	0.035	0.0070	1	02/07/2022 07:30	02/07/2022 16:59	M
Aroclor 1260 (PCB-1260)	0.042 U	mg/Kg	0.070	0.042	1	02/07/2022 07:30	02/07/2022 16:59	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	**0.0086 I**	mg/Kg	0.0088	0.0017	1	02/10/2022 16:30	02/11/2022 18:04	T
2-Methylnaphthalene	**0.0095**	mg/Kg	0.0088	0.0022	1	02/10/2022 16:30	02/11/2022 18:04	T
Acenaphthene	**0.0017 I**	mg/Kg	0.0088	0.0016	1	02/10/2022 16:30	02/11/2022 18:04	T
Acenaphthylene	**0.060**	mg/Kg	0.0088	0.0019	1	02/10/2022 16:30	02/11/2022 18:04	T
Anthracene	**0.074**	mg/Kg	0.0088	0.0027	1	02/10/2022 16:30	02/11/2022 18:04	T
Benzo[a]anthracene	**0.14**	mg/Kg	0.0088	0.0021	1	02/10/2022 16:30	02/11/2022 18:04	T
Benzo[a]pyrene	**0.19**	mg/Kg	0.0088	0.0018	1	02/10/2022 16:30	02/11/2022 18:04	T
Benzo[b]fluoranthene	**0.35**	mg/Kg	0.0088	0.0017	1	02/10/2022 16:30	02/11/2022 18:04	T
Benzo[g,h,i]perylene	**0.19**	mg/Kg	0.0088	0.0020	1	02/10/2022 16:30	02/11/2022 18:04	T
Benzo[k]fluoranthene	**0.12**	mg/Kg	0.0088	0.0025	1	02/10/2022 16:30	02/11/2022 18:04	T
Chrysene	**0.13**	mg/Kg	0.0088	0.0031	1	02/10/2022 16:30	02/11/2022 18:04	T
Dibenzo[a,h]anthracene	**0.053**	mg/Kg	0.0088	0.0018	1	02/10/2022 16:30	02/11/2022 18:04	T
Fluoranthene	**0.15**	mg/Kg	0.0088	0.0030	1	02/10/2022 16:30	02/11/2022 18:04	T
Fluorene	**0.0028 I**	mg/Kg	0.0088	0.0023	1	02/10/2022 16:30	02/11/2022 18:04	T
Indeno(1,2,3-cd)pyrene	**0.20**	mg/Kg	0.0088	0.0025	1	02/10/2022 16:30	02/11/2022 18:04	T
Naphthalene	**0.0060 I**	mg/Kg	0.0088	0.0018	1	02/10/2022 16:30	02/11/2022 18:04	T
Phenanthrene	**0.021**	mg/Kg	0.0088	0.0023	1	02/10/2022 16:30	02/11/2022 18:04	T
Pyrene	**0.21**	mg/Kg	0.0088	0.0025	1	02/10/2022 16:30	02/11/2022 18:04	T
SEMIVOLATILES (SW-846 3550B/SW-846 8270C)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524007 **Date Collected:** 02/04/2022 12:00 **Matrix:** Soil
Sample ID: SB-35@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,2,4-Trichlorobenzene	0.033 U	mg/Kg	0.22	0.033	1	02/09/2022 10:00	02/10/2022 02:19	T
1,2-Dichlorobenzene	0.044 U	mg/Kg	0.22	0.044	1	02/09/2022 10:00	02/10/2022 02:19	T
1,2-Diphenylhydrazine	0.084 U	mg/Kg	0.22	0.084	1	02/09/2022 10:00	02/10/2022 02:19	T
1,3-Dichlorobenzene	0.023 U	mg/Kg	0.22	0.023	1	02/09/2022 10:00	02/10/2022 02:19	T
1,4-Dichlorobenzene	0.049 U	mg/Kg	0.22	0.049	1	02/09/2022 10:00	02/10/2022 02:19	T
1-Methylnaphthalene	**0.010 I**	mg/Kg	0.22	0.0042	1	02/09/2022 10:00	02/10/2022 02:19	T
2,4,6-Trichlorophenol	0.041 U	mg/Kg	0.22	0.041	1	02/09/2022 10:00	02/10/2022 02:19	T
2,4-Dichlorophenol	0.046 U	mg/Kg	0.22	0.046	1	02/09/2022 10:00	02/10/2022 02:19	T
2,4-Dimethylphenol	0.046 U	mg/Kg	0.22	0.046	1	02/09/2022 10:00	02/10/2022 02:19	T
2,4-Dinitrophenol	0.13 U	mg/Kg	0.22	0.13	1	02/09/2022 10:00	02/10/2022 02:19	T
2,4-Dinitrotoluene (2,4-DNT)	0.069 U	mg/Kg	0.22	0.069	1	02/09/2022 10:00	02/10/2022 02:19	T
2,6-Dinitrotoluene (2,6-DNT)	0.055 U	mg/Kg	0.22	0.055	1	02/09/2022 10:00	02/10/2022 02:19	T
2-Chloronaphthalene	0.042 U	mg/Kg	0.22	0.042	1	02/09/2022 10:00	02/10/2022 02:19	T
2-Chlorophenol	0.039 U	mg/Kg	0.22	0.039	1	02/09/2022 10:00	02/10/2022 02:19	T
2-Methyl-4,6-dinitrophenol	0.049 U	mg/Kg	0.22	0.049	1	02/09/2022 10:00	02/10/2022 02:19	T
2-Methylnaphthalene	**0.011 I**	mg/Kg	0.22	0.0052	1	02/09/2022 10:00	02/10/2022 02:19	T
2-Nitrophenol	0.049 U	mg/Kg	0.22	0.049	1	02/09/2022 10:00	02/10/2022 02:19	T
3,3`-Dichlorobenzidine	0.030 U	mg/Kg	0.22	0.030	1	02/09/2022 10:00	02/10/2022 02:19	T
4-Bromophenyl Phenyl Ether	0.056 U	mg/Kg	0.22	0.056	1	02/09/2022 10:00	02/10/2022 02:19	T
4-Chloro-3-methylphenol	0.046 U	mg/Kg	0.22	0.046	1	02/09/2022 10:00	02/10/2022 02:19	T
4-Chlorophenyl Phenyl Ether	0.048 U	mg/Kg	0.22	0.048	1	02/09/2022 10:00	02/10/2022 02:19	T
4-Nitrophenol	0.062 U	mg/Kg	0.22	0.062	1	02/09/2022 10:00	02/10/2022 02:19	T
Acenaphthene	0.0050 U	mg/Kg	0.22	0.0050	1	02/09/2022 10:00	02/10/2022 02:19	T
Acenaphthylene	**0.057 I**	mg/Kg	0.22	0.0056	1	02/09/2022 10:00	02/10/2022 02:19	T
Anthracene	**0.038 I**	mg/Kg	0.22	0.0055	1	02/09/2022 10:00	02/10/2022 02:19	T
Benzidine	0.043 U	mg/Kg	0.22	0.043	1	02/09/2022 10:00	02/10/2022 02:19	T
Benzo[a]anthracene	0.0050 U	mg/Kg	0.22	0.0050	1	02/09/2022 10:00	02/10/2022 02:19	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524007 **Date Collected:** 02/04/2022 12:00 **Matrix:** Soil
Sample ID: SB-35@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[a]pyrene	**0.28**	mg/Kg	0.22	0.0047	1	02/09/2022 10:00	02/10/2022 02:19	T
Benzo[b]fluoranthene	**0.47**	mg/Kg	0.22	0.0070	1	02/09/2022 10:00	02/10/2022 02:19	T
Benzo[g,h,i]perylene	**0.21 I**	mg/Kg	0.22	0.0041	1	02/09/2022 10:00	02/10/2022 02:19	T
Benzo[k]fluoranthene	0.0073 U	mg/Kg	0.22	0.0073	1	02/09/2022 10:00	02/10/2022 02:19	T
Butyl benzyl phthalate	0.030 U	mg/Kg	0.22	0.030	1	02/09/2022 10:00	02/10/2022 02:19	T
Chrysene	**0.22**	mg/Kg	0.22	0.0056	1	02/09/2022 10:00	02/10/2022 02:19	T
Di-n-Butyl Phthalate	0.046 U	mg/Kg	0.22	0.046	1	02/09/2022 10:00	02/10/2022 02:19	T
Di-n-octyl Phthalate	0.029 U	mg/Kg	0.22	0.029	1	02/09/2022 10:00	02/10/2022 02:19	T
Dibenzo[a,h]anthracene	**0.061 I**	mg/Kg	0.22	0.0042	1	02/09/2022 10:00	02/10/2022 02:19	T
Diethyl phthalate	0.042 U	mg/Kg	0.22	0.042	1	02/09/2022 10:00	02/10/2022 02:19	T
Dimethyl phthalate	0.041 U	mg/Kg	0.22	0.041	1	02/09/2022 10:00	02/10/2022 02:19	T
Fluoranthene	**0.21 I**	mg/Kg	0.22	0.053	1	02/09/2022 10:00	02/10/2022 02:19	T
Fluorene	0.0049 U	mg/Kg	0.22	0.0049	1	02/09/2022 10:00	02/10/2022 02:19	T
Hexachlorobenzene	0.064 U	mg/Kg	0.22	0.064	1	02/09/2022 10:00	02/10/2022 02:19	T
Hexachlorobutadiene	0.036 U	mg/Kg	0.22	0.036	1	02/09/2022 10:00	02/10/2022 02:19	T
Hexachlorocyclopentadiene	0.037 U	mg/Kg	0.22	0.037	1	02/09/2022 10:00	02/10/2022 02:19	T
Hexachloroethane	0.030 U	mg/Kg	0.22	0.030	1	02/09/2022 10:00	02/10/2022 02:19	T
Indeno(1,2,3-cd)pyrene	**0.22 I**	mg/Kg	0.22	0.0043	1	02/09/2022 10:00	02/10/2022 02:19	T
Isophorone	0.025 U	mg/Kg	0.22	0.025	1	02/09/2022 10:00	02/10/2022 02:19	T
N-Nitrosodi-n-propylamine	0.039 U	mg/Kg	0.22	0.039	1	02/09/2022 10:00	02/10/2022 02:19	T
N-Nitrosodimethylamine	0.0098 U	mg/Kg	0.22	0.0098	1	02/09/2022 10:00	02/10/2022 02:19	T
N-Nitrosodiphenylamine	0.029 U	mg/Kg	0.22	0.029	1	02/09/2022 10:00	02/10/2022 02:19	T
Naphthalene	**0.0099 I**	mg/Kg	0.22	0.0053	1	02/09/2022 10:00	02/10/2022 02:19	T
Nitrobenzene	0.053 U	mg/Kg	0.22	0.053	1	02/09/2022 10:00	02/10/2022 02:19	T
Pentachlorophenol	0.073 U	mg/Kg	0.22	0.073	1	02/09/2022 10:00	02/10/2022 02:19	T
Phenanthrene	**0.027 I**	mg/Kg	0.22	0.0062	1	02/09/2022 10:00	02/10/2022 02:19	T
Phenol	0.043 U	mg/Kg	0.22	0.043	1	02/09/2022 10:00	02/10/2022 02:19	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524007 **Date Collected:** 02/04/2022 12:00 **Matrix:** Soil
Sample ID: SB-35@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	**0.25**	mg/Kg	0.22	0.0047	1	02/09/2022 10:00	02/10/2022 02:19	T
bis(2-Chloroethoxy)methane	0.032 U	mg/Kg	0.22	0.032	1	02/09/2022 10:00	02/10/2022 02:19	T
bis(2-Chloroethyl)Ether	0.045 U	mg/Kg	0.22	0.045	1	02/09/2022 10:00	02/10/2022 02:19	T
bis(2-Chloroisopropyl) Ether	0.040 U	mg/Kg	0.22	0.040	1	02/09/2022 10:00	02/10/2022 02:19	T
bis(2-Ethylhexyl) phthalate	0.034 U	mg/Kg	0.22	0.034	1	02/09/2022 10:00	02/10/2022 02:19	T
(SM 2540G)								
Percent Moisture	**10**	%	0.001	0.0010	1	02/09/2022 09:30	02/09/2022 09:30	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1-Trichloroethane	0.00077 U	mg/Kg	0.0033	0.00077	1	02/09/2022 01:17	02/09/2022 06:19	T
1,1,2,2-Tetrachloroethane	0.00056 U	mg/Kg	0.0033	0.00056	1	02/09/2022 01:17	02/09/2022 06:19	T
1,1,2-Trichloroethane	0.00054 U	mg/Kg	0.0033	0.00054	1	02/09/2022 01:17	02/09/2022 06:19	T
1,1-Dichloroethane	0.00078 U	mg/Kg	0.0033	0.00078	1	02/09/2022 01:17	02/09/2022 06:19	T
1,1-Dichloroethylene	0.00081 U	mg/Kg	0.0033	0.00081	1	02/09/2022 01:17	02/09/2022 06:19	T
1,2-Dichlorobenzene	0.00053 U	mg/Kg	0.0033	0.00053	1	02/09/2022 01:17	02/09/2022 06:19	T
1,2-Dichloroethane	0.00087 U	mg/Kg	0.0033	0.00087	1	02/09/2022 01:17	02/09/2022 06:19	T
1,2-Dichloropropane	0.00059 U	mg/Kg	0.0033	0.00059	1	02/09/2022 01:17	02/09/2022 06:19	T
1,3-Dichlorobenzene	0.00061 U	mg/Kg	0.0033	0.00061	1	02/09/2022 01:17	02/09/2022 06:19	T
1,4-Dichlorobenzene	0.00073 U	mg/Kg	0.0033	0.00073	1	02/09/2022 01:17	02/09/2022 06:19	T
2-Chloroethyl Vinyl Ether	0.0029 U	mg/Kg	0.0033	0.0029	1	02/09/2022 01:17	02/09/2022 06:19	T
Acrolein (Propenal)	0.0069 U	mg/Kg	0.017	0.0069	1	02/09/2022 01:17	02/09/2022 06:19	T
Acrylonitrile	0.00058 U	mg/Kg	0.0033	0.00058	1	02/09/2022 01:17	02/09/2022 06:19	T
Benzene	0.00055 U	mg/Kg	0.0033	0.00055	1	02/09/2022 01:17	02/09/2022 06:19	T
Bromodichloromethane	0.00058 U	mg/Kg	0.0033	0.00058	1	02/09/2022 01:17	02/09/2022 06:19	T
Bromoform	0.0022 U	mg/Kg	0.0033	0.0022	1	02/09/2022 01:17	02/09/2022 06:19	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524007 **Date Collected:** 02/04/2022 12:00 **Matrix:** Soil
Sample ID: SB-35@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Bromomethane	0.0014 U	mg/Kg	0.0033	0.0014	1	02/09/2022 01:17	02/09/2022 06:19	T
Carbon Tetrachloride	0.00093 U	mg/Kg	0.0033	0.00093	1	02/09/2022 01:17	02/09/2022 06:19	T
Chlorobenzene	0.00049 U	mg/Kg	0.0033	0.00049	1	02/09/2022 01:17	02/09/2022 06:19	T
Chloroethane	0.0016 U	mg/Kg	0.0033	0.0016	1	02/09/2022 01:17	02/09/2022 06:19	T
Chloroform	0.00068 U	mg/Kg	0.0033	0.00068	1	02/09/2022 01:17	02/09/2022 06:19	T
Chloromethane	0.00076 U	mg/Kg	0.0033	0.00076	1	02/09/2022 01:17	02/09/2022 06:19	T
Dibromochloromethane	0.0019 U	mg/Kg	0.0033	0.0019	1	02/09/2022 01:17	02/09/2022 06:19	T
Dichlorodifluoromethane	0.0011 U	mg/Kg	0.0033	0.0011	1	02/09/2022 01:17	02/09/2022 06:19	T
Ethylbenzene	0.00039 U	mg/Kg	0.0033	0.00039	1	02/09/2022 01:17	02/09/2022 06:19	T
Methyl tert-butyl Ether (MTBE)	0.0011 U	mg/Kg	0.0033	0.0011	1	02/09/2022 01:17	02/09/2022 06:19	T
Methylene Chloride	0.0045 U	mg/Kg	0.0055	0.0045	1	02/09/2022 01:17	02/09/2022 06:19	T
Tetrachloroethylene (PCE)	0.00063 U	mg/Kg	0.0033	0.00063	1	02/09/2022 01:17	02/09/2022 06:19	T
Toluene	0.00041 U	mg/Kg	0.0033	0.00041	1	02/09/2022 01:17	02/09/2022 06:19	T
Trichloroethene	0.00081 U	mg/Kg	0.0033	0.00081	1	02/09/2022 01:17	02/09/2022 06:19	T
Trichlorofluoromethane	0.00073 U	mg/Kg	0.0033	0.00073	1	02/09/2022 01:17	02/09/2022 06:19	T
Vinyl Chloride	0.00064 U	mg/Kg	0.0033	0.00064	1	02/09/2022 01:17	02/09/2022 06:19	T
Xylene (Total)	0.0014 U	mg/Kg	0.0066	0.0014	1	02/09/2022 01:17	02/09/2022 06:19	T
cis-1,2-Dichloroethylene	0.00065 U	mg/Kg	0.0033	0.00065	1	02/09/2022 01:17	02/09/2022 06:19	T
cis-1,3-Dichloropropene	0.0024 U	mg/Kg	0.0033	0.0024	1	02/09/2022 01:17	02/09/2022 06:19	T
trans-1,2-Dichloroethylene	0.00067 U	mg/Kg	0.0033	0.00067	1	02/09/2022 01:17	02/09/2022 06:19	T
trans-1,3-Dichloropropylene	0.0020 U	mg/Kg	0.0033	0.0020	1	02/09/2022 01:17	02/09/2022 06:19	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	50	49	97	69 - 134	T
Toluene-d8 (S)	ug/Kg	50	48	95	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	50	54	108	79 - 126	T
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.35	88	33 - 134	T
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.34	86	42 - 141	T
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.26	65	37 - 127	T
Nonatricontane-C39 (S)	mg/Kg	6	5.40	91	36 - 132	T
o-Terphenyl (S)	mg/Kg	2	1.40	73	66 - 136	T
Decachlorobiphenyl (S)	ug/Kg	80	50	63	63 - 130	M
Tetrachloro-m-xylene (S)	ug/Kg	160	180	115	42 - 129	M
2,4,6-Tribromophenol (S)	mg/Kg	2	2.10	104	39 - 132	T
Phenol-d6 (S)	mg/Kg	2	1.90	96	33 - 122	T
2-Fluorobiphenyl (S)	mg/Kg	2	1.70	86	44 - 115	T
2-Fluorophenol (S)	mg/Kg	2	1.90	97	35 - 115	T
Nitrobenzene-d5 (S)	mg/Kg	2	2	101	37 - 122	T
p-Terphenyl-d14 (S)	mg/Kg	2	1.90	97	54 - 127	T
Decachlorobiphenyl (S)	ug/Kg	79	50	63	61 - 147	M
Tetrachloro-m-xylene (S)	ug/Kg	160	180	115	44 - 130	M

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524008 **Date Collected:** 02/04/2022 12:15 **Matrix:** Soil
Sample ID: SB-36@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**2.1**	mg/Kg	0.28	0.14	1	02/08/2022 15:00	02/09/2022 17:59	T
Cadmium	**0.64**	mg/Kg	0.055	0.028	1	02/08/2022 15:00	02/09/2022 17:59	T
Chromium	**9.4**	mg/Kg	0.28	0.22	1	02/08/2022 15:00	02/09/2022 17:59	T
Lead	**60**	mg/Kg	0.28	0.14	1	02/08/2022 15:00	02/09/2022 17:59	T
SEMIVOLATILES (FL-PRO)								
TPH	**50**	mg/Kg	14	5.0	1	02/10/2022 16:30	02/11/2022 18:01	T
SEMIVOLATILES (SW-846 3550B/EPA 8081)								
4,4`-DDD	**0.0011 I**	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 17:21	M
4,4`-DDE	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 17:21	M
4,4`-DDT	**0.0018**	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 17:21	M
Aldrin	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 17:21	M
Chlordane (technical)	0.0099 U	mg/Kg	0.033	0.0099	1	02/07/2022 07:30	02/07/2022 17:21	M
Dieldrin	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 17:21	M
Endosulfan I	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 17:21	M
Endosulfan II	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 17:21	M
Endosulfan Sulfate	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 17:21	M
Endrin	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 17:21	M
Endrin Aldehyde	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 17:21	M
Heptachlor	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 17:21	M
Heptachlor Epoxide	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 17:21	M
Methoxychlor	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 17:21	M
Toxaphene	0.011 U	mg/Kg	0.033	0.011	1	02/07/2022 07:30	02/07/2022 17:21	M
alpha-BHC	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 17:21	M
beta-BHC	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 17:21	M
delta-BHC	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 17:21	M
gamma-BHC (Lindane)	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 17:21	M
SEMIVOLATILES (SW-846 3550B/SW-846 8082A)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524008 **Date Collected:** 02/04/2022 12:15 **Matrix:** Soil
Sample ID: SB-36@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Aroclor 1016 (PCB-1016)	0.020 U	mg/Kg	0.034	0.020	1	02/07/2022 07:30	02/07/2022 17:21	M
Aroclor 1221 (PCB-1221)	0.024 U	mg/Kg	0.034	0.024	1	02/07/2022 07:30	02/07/2022 17:21	M
Aroclor 1232 (PCB-1232)	0.032 U	mg/Kg	0.034	0.032	1	02/07/2022 07:30	02/07/2022 17:21	M
Aroclor 1242 (PCB-1242)	0.025 U	mg/Kg	0.034	0.025	1	02/07/2022 07:30	02/07/2022 17:21	M
Aroclor 1248 (PCB-1248)	0.012 U	mg/Kg	0.034	0.012	1	02/07/2022 07:30	02/07/2022 17:21	M
Aroclor 1254 (PCB-1254)	0.0067 U	mg/Kg	0.034	0.0067	1	02/07/2022 07:30	02/07/2022 17:21	M
Aroclor 1260 (PCB-1260)	0.040 U	mg/Kg	0.067	0.040	1	02/07/2022 07:30	02/07/2022 17:21	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	**0.027**	mg/Kg	0.0084	0.0016	1	02/10/2022 16:30	02/13/2022 19:05	T
2-Methylnaphthalene	**0.034**	mg/Kg	0.0084	0.0021	1	02/10/2022 16:30	02/13/2022 19:05	T
Acenaphthene	**0.031**	mg/Kg	0.0084	0.0015	1	02/10/2022 16:30	02/13/2022 19:05	T
Acenaphthylene	**0.25**	mg/Kg	0.0084	0.0018	1	02/10/2022 16:30	02/13/2022 19:05	T
Anthracene	**0.42**	mg/Kg	0.0084	0.0026	1	02/10/2022 16:30	02/13/2022 19:05	T
Benzo[a]anthracene	**0.53**	mg/Kg	0.0084	0.0020	1	02/10/2022 16:30	02/13/2022 19:05	T
Benzo[a]pyrene	**0.58**	mg/Kg	0.0084	0.0017	1	02/10/2022 16:30	02/13/2022 19:05	T
Benzo[b]fluoranthene	**1.1**	mg/Kg	0.0084	0.0016	1	02/10/2022 16:30	02/13/2022 19:05	T
Benzo[g,h,i]perylene	**0.56**	mg/Kg	0.0084	0.0020	1	02/10/2022 16:30	02/13/2022 19:05	T
Benzo[k]fluoranthene	**0.38**	mg/Kg	0.0084	0.0024	1	02/10/2022 16:30	02/13/2022 19:05	T
Chrysene	**0.52**	mg/Kg	0.0084	0.0030	1	02/10/2022 16:30	02/13/2022 19:05	T
Dibenzo[a,h]anthracene	**0.16**	mg/Kg	0.0084	0.0017	1	02/10/2022 16:30	02/13/2022 19:05	T
Fluoranthene	**0.47**	mg/Kg	0.0084	0.0028	1	02/10/2022 16:30	02/13/2022 19:05	T
Fluorene	**0.022**	mg/Kg	0.0084	0.0022	1	02/10/2022 16:30	02/13/2022 19:05	T
Indeno(1,2,3-cd)pyrene	**0.58**	mg/Kg	0.0084	0.0024	1	02/10/2022 16:30	02/13/2022 19:05	T
Naphthalene	**0.031**	mg/Kg	0.0084	0.0017	1	02/10/2022 16:30	02/13/2022 19:05	T
Phenanthrene	**0.093**	mg/Kg	0.0084	0.0022	1	02/10/2022 16:30	02/13/2022 19:05	T
Pyrene	**0.76**	mg/Kg	0.0084	0.0024	1	02/10/2022 16:30	02/13/2022 19:05	T
SEMIVOLATILES (SW-846 3550B/SW-846 8270C)								

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524008 **Date Collected:** 02/04/2022 12:15 **Matrix:** Soil
Sample ID: SB-36@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,2,4-Trichlorobenzene	0.031 U	mg/Kg	0.21	0.031	1	02/09/2022 10:00	02/10/2022 02:56	T
1,2-Dichlorobenzene	0.042 U	mg/Kg	0.21	0.042	1	02/09/2022 10:00	02/10/2022 02:56	T
1,2-Diphenylhydrazine	0.080 U	mg/Kg	0.21	0.080	1	02/09/2022 10:00	02/10/2022 02:56	T
1,3-Dichlorobenzene	0.022 U	mg/Kg	0.21	0.022	1	02/09/2022 10:00	02/10/2022 02:56	T
1,4-Dichlorobenzene	0.047 U	mg/Kg	0.21	0.047	1	02/09/2022 10:00	02/10/2022 02:56	T
1-Methylnaphthalene	**0.029 I**	mg/Kg	0.21	0.0040	1	02/09/2022 10:00	02/10/2022 02:56	T
2,4,6-Trichlorophenol	0.039 U	mg/Kg	0.21	0.039	1	02/09/2022 10:00	02/10/2022 02:56	T
2,4-Dichlorophenol	0.044 U	mg/Kg	0.21	0.044	1	02/09/2022 10:00	02/10/2022 02:56	T
2,4-Dimethylphenol	0.044 U	mg/Kg	0.21	0.044	1	02/09/2022 10:00	02/10/2022 02:56	T
2,4-Dinitrophenol	0.13 U	mg/Kg	0.21	0.13	1	02/09/2022 10:00	02/10/2022 02:56	T
2,4-Dinitrotoluene (2,4-DNT)	0.066 U	mg/Kg	0.21	0.066	1	02/09/2022 10:00	02/10/2022 02:56	T
2,6-Dinitrotoluene (2,6-DNT)	0.053 U	mg/Kg	0.21	0.053	1	02/09/2022 10:00	02/10/2022 02:56	T
2-Chloronaphthalene	0.040 U	mg/Kg	0.21	0.040	1	02/09/2022 10:00	02/10/2022 02:56	T
2-Chlorophenol	0.037 U	mg/Kg	0.21	0.037	1	02/09/2022 10:00	02/10/2022 02:56	T
2-Methyl-4,6-dinitrophenol	0.047 U	mg/Kg	0.21	0.047	1	02/09/2022 10:00	02/10/2022 02:56	T
2-Methylnaphthalene	**0.034 I**	mg/Kg	0.21	0.0050	1	02/09/2022 10:00	02/10/2022 02:56	T
2-Nitrophenol	0.046 U	mg/Kg	0.21	0.046	1	02/09/2022 10:00	02/10/2022 02:56	T
3,3`-Dichlorobenzidine	0.029 U	mg/Kg	0.21	0.029	1	02/09/2022 10:00	02/10/2022 02:56	T
4-Bromophenyl Phenyl Ether	0.053 U	mg/Kg	0.21	0.053	1	02/09/2022 10:00	02/10/2022 02:56	T
4-Chloro-3-methylphenol	0.044 U	mg/Kg	0.21	0.044	1	02/09/2022 10:00	02/10/2022 02:56	T
4-Chlorophenyl Phenyl Ether	0.046 U	mg/Kg	0.21	0.046	1	02/09/2022 10:00	02/10/2022 02:56	T
4-Nitrophenol	0.059 U	mg/Kg	0.21	0.059	1	02/09/2022 10:00	02/10/2022 02:56	T
Acenaphthene	**0.039 I**	mg/Kg	0.21	0.0048	1	02/09/2022 10:00	02/10/2022 02:56	T
Acenaphthylene	**0.18 I**	mg/Kg	0.21	0.0053	1	02/09/2022 10:00	02/10/2022 02:56	T
Anthracene	**0.14 I**	mg/Kg	0.21	0.0053	1	02/09/2022 10:00	02/10/2022 02:56	T
Benzidine	0.041 U	mg/Kg	0.21	0.041	1	02/09/2022 10:00	02/10/2022 02:56	T
Benzo[a]anthracene	**0.52**	mg/Kg	0.21	0.0048	1	02/09/2022 10:00	02/10/2022 02:56	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524008 **Date Collected:** 02/04/2022 12:15 **Matrix:** Soil
Sample ID: SB-36@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[a]pyrene	**0.69**	mg/Kg	0.21	0.0045	1	02/09/2022 10:00	02/10/2022 02:56	T
Benzo[b]fluoranthene	**1.4**	mg/Kg	0.21	0.0066	1	02/09/2022 10:00	02/10/2022 02:56	T
Benzo[g,h,i]perylene	**0.57**	mg/Kg	0.21	0.0039	1	02/09/2022 10:00	02/10/2022 02:56	T
Benzo[k]fluoranthene	0.0070 U	mg/Kg	0.21	0.0070	1	02/09/2022 10:00	02/10/2022 02:56	T
Butyl benzyl phthalate	0.029 U	mg/Kg	0.21	0.029	1	02/09/2022 10:00	02/10/2022 02:56	T
Chrysene	**0.58**	mg/Kg	0.21	0.0053	1	02/09/2022 10:00	02/10/2022 02:56	T
Di-n-Butyl Phthalate	0.043 U	mg/Kg	0.21	0.043	1	02/09/2022 10:00	02/10/2022 02:56	T
Di-n-octyl Phthalate	0.028 U	mg/Kg	0.21	0.028	1	02/09/2022 10:00	02/10/2022 02:56	T
Dibenzo[a,h]anthracene	**0.16 I**	mg/Kg	0.21	0.0040	1	02/09/2022 10:00	02/10/2022 02:56	T
Diethyl phthalate	0.040 U	mg/Kg	0.21	0.040	1	02/09/2022 10:00	02/10/2022 02:56	T
Dimethyl phthalate	0.039 U	mg/Kg	0.21	0.039	1	02/09/2022 10:00	02/10/2022 02:56	T
Fluoranthene	**0.59**	mg/Kg	0.21	0.051	1	02/09/2022 10:00	02/10/2022 02:56	T
Fluorene	**0.025 I**	mg/Kg	0.21	0.0046	1	02/09/2022 10:00	02/10/2022 02:56	T
Hexachlorobenzene	0.061 U	mg/Kg	0.21	0.061	1	02/09/2022 10:00	02/10/2022 02:56	T
Hexachlorobutadiene	0.034 U	mg/Kg	0.21	0.034	1	02/09/2022 10:00	02/10/2022 02:56	T
Hexachlorocyclopentadiene	0.035 U	mg/Kg	0.21	0.035	1	02/09/2022 10:00	02/10/2022 02:56	T
Hexachloroethane	0.029 U	mg/Kg	0.21	0.029	1	02/09/2022 10:00	02/10/2022 02:56	T
Indeno(1,2,3-cd)pyrene	**0.61**	mg/Kg	0.21	0.0041	1	02/09/2022 10:00	02/10/2022 02:56	T
Isophorone	0.023 U	mg/Kg	0.21	0.023	1	02/09/2022 10:00	02/10/2022 02:56	T
N-Nitrosodi-n-propylamine	0.037 U	mg/Kg	0.21	0.037	1	02/09/2022 10:00	02/10/2022 02:56	T
N-Nitrosodimethylamine	0.0094 U	mg/Kg	0.21	0.0094	1	02/09/2022 10:00	02/10/2022 02:56	T
N-Nitrosodiphenylamine	0.028 U	mg/Kg	0.21	0.028	1	02/09/2022 10:00	02/10/2022 02:56	T
Naphthalene	**0.042 I**	mg/Kg	0.21	0.0050	1	02/09/2022 10:00	02/10/2022 02:56	T
Nitrobenzene	0.050 U	mg/Kg	0.21	0.050	1	02/09/2022 10:00	02/10/2022 02:56	T
Pentachlorophenol	0.070 U	mg/Kg	0.21	0.070	1	02/09/2022 10:00	02/10/2022 02:56	T
Phenanthrene	**0.11 I**	mg/Kg	0.21	0.0059	1	02/09/2022 10:00	02/10/2022 02:56	T
Phenol	0.041 U	mg/Kg	0.21	0.041	1	02/09/2022 10:00	02/10/2022 02:56	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524008 **Date Collected:** 02/04/2022 12:15 **Matrix:** Soil
Sample ID: SB-36@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	**0.73**	mg/Kg	0.21	0.0045	1	02/09/2022 10:00	02/10/2022 02:56	T
bis(2-Chloroethoxy)methane	0.031 U	mg/Kg	0.21	0.031	1	02/09/2022 10:00	02/10/2022 02:56	T
bis(2-Chloroethyl)Ether	0.043 U	mg/Kg	0.21	0.043	1	02/09/2022 10:00	02/10/2022 02:56	T
bis(2-Chloroisopropyl) Ether	0.038 U	mg/Kg	0.21	0.038	1	02/09/2022 10:00	02/10/2022 02:56	T
bis(2-Ethylhexyl) phthalate	0.033 U	mg/Kg	0.21	0.033	1	02/09/2022 10:00	02/10/2022 02:56	T
(SM 2540G)								
Percent Moisture	**5**	%	0.001	0.0010	1	02/09/2022 09:30	02/09/2022 09:30	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1-Trichloroethane	0.00074 U	mg/Kg	0.0032	0.00074	1	02/09/2022 01:17	02/09/2022 06:46	T
1,1,2,2-Tetrachloroethane	0.00054 U	mg/Kg	0.0032	0.00054	1	02/09/2022 01:17	02/09/2022 06:46	T
1,1,2-Trichloroethane	0.00051 U	mg/Kg	0.0032	0.00051	1	02/09/2022 01:17	02/09/2022 06:46	T
1,1-Dichloroethane	0.00074 U	mg/Kg	0.0032	0.00074	1	02/09/2022 01:17	02/09/2022 06:46	T
1,1-Dichloroethylene	0.00077 U	mg/Kg	0.0032	0.00077	1	02/09/2022 01:17	02/09/2022 06:46	T
1,2-Dichlorobenzene	0.00050 U	mg/Kg	0.0032	0.00050	1	02/09/2022 01:17	02/09/2022 06:46	T
1,2-Dichloroethane	0.00083 U	mg/Kg	0.0032	0.00083	1	02/09/2022 01:17	02/09/2022 06:46	T
1,2-Dichloropropane	0.00057 U	mg/Kg	0.0032	0.00057	1	02/09/2022 01:17	02/09/2022 06:46	T
1,3-Dichlorobenzene	0.00058 U	mg/Kg	0.0032	0.00058	1	02/09/2022 01:17	02/09/2022 06:46	T
1,4-Dichlorobenzene	0.00070 U	mg/Kg	0.0032	0.00070	1	02/09/2022 01:17	02/09/2022 06:46	T
2-Chloroethyl Vinyl Ether	0.0027 U	mg/Kg	0.0032	0.0027	1	02/09/2022 01:17	02/09/2022 06:46	T
Acrolein (Propenal)	0.0066 U	mg/Kg	0.016	0.0066	1	02/09/2022 01:17	02/09/2022 06:46	T
Acrylonitrile	0.00055 U	mg/Kg	0.0032	0.00055	1	02/09/2022 01:17	02/09/2022 06:46	T
Benzene	0.00052 U	mg/Kg	0.0032	0.00052	1	02/09/2022 01:17	02/09/2022 06:46	T
Bromodichloromethane	0.00056 U	mg/Kg	0.0032	0.00056	1	02/09/2022 01:17	02/09/2022 06:46	T
Bromoform	0.0021 U	mg/Kg	0.0032	0.0021	1	02/09/2022 01:17	02/09/2022 06:46	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524008 **Date Collected:** 02/04/2022 12:15 **Matrix:** Soil
Sample ID: SB-36@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Bromomethane	0.0013 U	mg/Kg	0.0032	0.0013	1	02/09/2022 01:17	02/09/2022 06:46	T
Carbon Tetrachloride	0.00089 U	mg/Kg	0.0032	0.00089	1	02/09/2022 01:17	02/09/2022 06:46	T
Chlorobenzene	0.00047 U	mg/Kg	0.0032	0.00047	1	02/09/2022 01:17	02/09/2022 06:46	T
Chloroethane	0.0016 U	mg/Kg	0.0032	0.0016	1	02/09/2022 01:17	02/09/2022 06:46	T
Chloroform	0.00064 U	mg/Kg	0.0032	0.00064	1	02/09/2022 01:17	02/09/2022 06:46	T
Chloromethane	0.00072 U	mg/Kg	0.0032	0.00072	1	02/09/2022 01:17	02/09/2022 06:46	T
Dibromochloromethane	0.0018 U	mg/Kg	0.0032	0.0018	1	02/09/2022 01:17	02/09/2022 06:46	T
Dichlorodifluoromethane	0.0011 U	mg/Kg	0.0032	0.0011	1	02/09/2022 01:17	02/09/2022 06:46	T
Ethylbenzene	0.00038 U	mg/Kg	0.0032	0.00038	1	02/09/2022 01:17	02/09/2022 06:46	T
Methyl tert-butyl Ether (MTBE)	0.0010 U	mg/Kg	0.0032	0.0010	1	02/09/2022 01:17	02/09/2022 06:46	T
Methylene Chloride	0.0042 U	mg/Kg	0.0053	0.0042	1	02/09/2022 01:17	02/09/2022 06:46	T
Tetrachloroethylene (PCE)	0.00060 U	mg/Kg	0.0032	0.00060	1	02/09/2022 01:17	02/09/2022 06:46	T
Toluene	0.00039 U	mg/Kg	0.0032	0.00039	1	02/09/2022 01:17	02/09/2022 06:46	T
Trichloroethene	0.00078 U	mg/Kg	0.0032	0.00078	1	02/09/2022 01:17	02/09/2022 06:46	T
Trichlorofluoromethane	0.00070 U	mg/Kg	0.0032	0.00070	1	02/09/2022 01:17	02/09/2022 06:46	T
Vinyl Chloride	0.00061 U	mg/Kg	0.0032	0.00061	1	02/09/2022 01:17	02/09/2022 06:46	T
Xylene (Total)	0.0014 U	mg/Kg	0.0063	0.0014	1	02/09/2022 01:17	02/09/2022 06:46	T
cis-1,2-Dichloroethylene	0.00062 U	mg/Kg	0.0032	0.00062	1	02/09/2022 01:17	02/09/2022 06:46	T
cis-1,3-Dichloropropene	0.0022 U	mg/Kg	0.0032	0.0022	1	02/09/2022 01:17	02/09/2022 06:46	T
trans-1,2-Dichloroethylene	0.00064 U	mg/Kg	0.0032	0.00064	1	02/09/2022 01:17	02/09/2022 06:46	T
trans-1,3-Dichloropropylene	0.0019 U	mg/Kg	0.0032	0.0019	1	02/09/2022 01:17	02/09/2022 06:46	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Analysis Results Comments

Decachlorobiphenyl

J4|Estimated Result

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	50	46	92	69 - 134	T
Toluene-d8 (S)	ug/Kg	50	47	94	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	50	56	111	79 - 126	T
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.30	74	37 - 127	T
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.35	88	33 - 134	T
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.47	118	42 - 141	T
Nonatricontane-C39 (S)	mg/Kg	6	5.50	91	36 - 132	T
o-Terphenyl (S)	mg/Kg	2	1.50	75	66 - 136	T
Decachlorobiphenyl (S)	ug/Kg	79	38	**47**	63 - 130	M
Tetrachloro-m-xylene (S)	ug/Kg	160	120	78	42 - 129	M
2-Fluorophenol (S)	mg/Kg	2	1.40	73	35 - 115	T
Nitrobenzene-d5 (S)	mg/Kg	2	1.60	81	37 - 122	T
p-Terphenyl-d14 (S)	mg/Kg	2	1.90	97	54 - 127	T
2,4,6-Tribromophenol (S)	mg/Kg	2	2	102	39 - 132	T
Phenol-d6 (S)	mg/Kg	2	1.50	77	33 - 122	T
2-Fluorobiphenyl (S)	mg/Kg	2	1.60	80	44 - 115	T
Decachlorobiphenyl (S)	ug/Kg	80	38	**47**	61 - 147	M
Tetrachloro-m-xylene (S)	ug/Kg	160	120	78	44 - 130	M

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524009 **Date Collected:** 02/04/2022 12:30 **Matrix:** Soil
Sample ID: SB-37@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**7.9**	mg/Kg	0.27	0.13	1	02/08/2022 15:00	02/09/2022 18:02	T
Cadmium	**0.87**	mg/Kg	0.054	0.027	1	02/08/2022 15:00	02/09/2022 18:02	T
Chromium	**16**	mg/Kg	0.27	0.21	1	02/08/2022 15:00	02/09/2022 18:02	T
Lead	**170**	mg/Kg	0.27	0.13	1	02/08/2022 15:00	02/09/2022 18:02	T
SEMIVOLATILES (FL-PRO)								
TPH	**100**	mg/Kg	61	21	4	02/10/2022 16:30	02/11/2022 20:51	T
SEMIVOLATILES (SW-846 3550B/EPA 8081)								
4,4`-DDD	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 17:43	M
4,4`-DDE	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 17:43	M
4,4`-DDT	**0.0035**	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 17:43	M
Aldrin	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 17:43	M
Chlordane (technical)	0.011 U	mg/Kg	0.036	0.011	1	02/07/2022 07:30	02/07/2022 17:43	M
Dieldrin	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 17:43	M
Endosulfan I	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 17:43	M
Endosulfan II	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 17:43	M
Endosulfan Sulfate	**0.0050**	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 17:43	M
Endrin	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 17:43	M
Endrin Aldehyde	**0.0046**	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 17:43	M
Heptachlor	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 17:43	M
Heptachlor Epoxide	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 17:43	M
Methoxychlor	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 17:43	M
Toxaphene	0.012 U	mg/Kg	0.036	0.012	1	02/07/2022 07:30	02/07/2022 17:43	M
alpha-BHC	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 17:43	M
beta-BHC	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 17:43	M
delta-BHC	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 17:43	M
gamma-BHC (Lindane)	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 17:43	M
SEMIVOLATILES (SW-846 3550B/SW-846 8082A)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524009 **Date Collected:** 02/04/2022 12:30 **Matrix:** Soil
Sample ID: SB-37@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Aroclor 1016 (PCB-1016)	0.021 U	mg/Kg	0.036	0.021	1	02/07/2022 07:30	02/07/2022 17:43	M
Aroclor 1221 (PCB-1221)	0.025 U	mg/Kg	0.036	0.025	1	02/07/2022 07:30	02/07/2022 17:43	M
Aroclor 1232 (PCB-1232)	0.034 U	mg/Kg	0.036	0.034	1	02/07/2022 07:30	02/07/2022 17:43	M
Aroclor 1242 (PCB-1242)	0.027 U	mg/Kg	0.036	0.027	1	02/07/2022 07:30	02/07/2022 17:43	M
Aroclor 1248 (PCB-1248)	0.013 U	mg/Kg	0.036	0.013	1	02/07/2022 07:30	02/07/2022 17:43	M
Aroclor 1254 (PCB-1254)	0.0071 U	mg/Kg	0.036	0.0071	1	02/07/2022 07:30	02/07/2022 17:43	M
Aroclor 1260 (PCB-1260)	0.043 U	mg/Kg	0.071	0.043	1	02/07/2022 07:30	02/07/2022 17:43	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	**0.053**	mg/Kg	0.036	0.0067	4	02/10/2022 16:30	02/11/2022 22:51	T
2-Methylnaphthalene	**0.10**	mg/Kg	0.036	0.0087	4	02/10/2022 16:30	02/11/2022 22:51	T
Acenaphthene	0.0065 U	mg/Kg	0.036	0.0065	4	02/10/2022 16:30	02/11/2022 22:51	T
Acenaphthylene	**0.24**	mg/Kg	0.036	0.0077	4	02/10/2022 16:30	02/11/2022 22:51	T
Anthracene	**0.37**	mg/Kg	0.036	0.011	4	02/10/2022 16:30	02/11/2022 22:51	T
Benzo[a]anthracene	**0.081**	mg/Kg	0.036	0.0086	4	02/10/2022 16:30	02/11/2022 22:51	T
Benzo[a]pyrene	**0.091**	mg/Kg	0.036	0.0072	4	02/10/2022 16:30	02/11/2022 22:51	T
Benzo[b]fluoranthene	**0.20**	mg/Kg	0.036	0.0068	4	02/10/2022 16:30	02/11/2022 22:51	T
Benzo[g,h,i]perylene	**0.30**	mg/Kg	0.036	0.0083	4	02/10/2022 16:30	02/11/2022 22:51	T
Benzo[k]fluoranthene	**0.062**	mg/Kg	0.036	0.010	4	02/10/2022 16:30	02/11/2022 22:51	T
Chrysene	**0.053**	mg/Kg	0.036	0.013	4	02/10/2022 16:30	02/11/2022 22:51	T
Dibenzo[a,h]anthracene	**0.055**	mg/Kg	0.036	0.0072	4	02/10/2022 16:30	02/11/2022 22:51	T
Fluoranthene	**0.061**	mg/Kg	0.036	0.012	4	02/10/2022 16:30	02/11/2022 22:51	T
Fluorene	**0.011 I**	mg/Kg	0.036	0.0093	4	02/10/2022 16:30	02/11/2022 22:51	T
Indeno(1,2,3-cd)pyrene	**0.25**	mg/Kg	0.036	0.010	4	02/10/2022 16:30	02/11/2022 22:51	T
Naphthalene	**0.041**	mg/Kg	0.036	0.0073	4	02/10/2022 16:30	02/11/2022 22:51	T
Phenanthrene	**0.052**	mg/Kg	0.036	0.0093	4	02/10/2022 16:30	02/11/2022 22:51	T
Pyrene	**0.085**	mg/Kg	0.036	0.010	4	02/10/2022 16:30	02/11/2022 22:51	T
SEMIVOLATILES (SW-846 3550B/SW-846 8270C)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524009 **Date Collected:** 02/04/2022 12:30 **Matrix:** Soil
Sample ID: SB-37@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,2,4-Trichlorobenzene	0.066 U	mg/Kg	0.45	0.066	2	02/09/2022 10:00	02/10/2022 07:51	T
1,2-Dichlorobenzene	0.090 U	mg/Kg	0.45	0.090	2	02/09/2022 10:00	02/10/2022 07:51	T
1,2-Diphenylhydrazine	0.17 U	mg/Kg	0.45	0.17	2	02/09/2022 10:00	02/10/2022 07:51	T
1,3-Dichlorobenzene	0.047 U	mg/Kg	0.45	0.047	2	02/09/2022 10:00	02/10/2022 07:51	T
1,4-Dichlorobenzene	0.10 U	mg/Kg	0.45	0.10	2	02/09/2022 10:00	02/10/2022 07:51	T
1-Methylnaphthalene	**0.075 I**	mg/Kg	0.45	0.0086	2	02/09/2022 10:00	02/10/2022 07:51	T
2,4,6-Trichlorophenol	0.083 U	mg/Kg	0.45	0.083	2	02/09/2022 10:00	02/10/2022 07:51	T
2,4-Dichlorophenol	0.095 U	mg/Kg	0.45	0.095	2	02/09/2022 10:00	02/10/2022 07:51	T
2,4-Dimethylphenol	0.095 U	mg/Kg	0.45	0.095	2	02/09/2022 10:00	02/10/2022 07:51	T
2,4-Dinitrophenol	0.27 U	mg/Kg	0.45	0.27	2	02/09/2022 10:00	02/10/2022 07:51	T
2,4-Dinitrotoluene (2,4-DNT)	0.14 U	mg/Kg	0.45	0.14	2	02/09/2022 10:00	02/10/2022 07:51	T
2,6-Dinitrotoluene (2,6-DNT)	0.11 U	mg/Kg	0.45	0.11	2	02/09/2022 10:00	02/10/2022 07:51	T
2-Chloronaphthalene	0.086 U	mg/Kg	0.45	0.086	2	02/09/2022 10:00	02/10/2022 07:51	T
2-Chlorophenol	0.080 U	mg/Kg	0.45	0.080	2	02/09/2022 10:00	02/10/2022 07:51	T
2-Methyl-4,6-dinitrophenol	0.10 U	mg/Kg	0.45	0.10	2	02/09/2022 10:00	02/10/2022 07:51	T
2-Methylnaphthalene	**0.14 I**	mg/Kg	0.45	0.011	2	02/09/2022 10:00	02/10/2022 07:51	T
2-Nitrophenol	0.099 U	mg/Kg	0.45	0.099	2	02/09/2022 10:00	02/10/2022 07:51	T
3,3`-Dichlorobenzidine	0.061 U	mg/Kg	0.45	0.061	2	02/09/2022 10:00	02/10/2022 07:51	T
4-Bromophenyl Phenyl Ether	0.11 U	mg/Kg	0.45	0.11	2	02/09/2022 10:00	02/10/2022 07:51	T
4-Chloro-3-methylphenol	0.095 U	mg/Kg	0.45	0.095	2	02/09/2022 10:00	02/10/2022 07:51	T
4-Chlorophenyl Phenyl Ether	0.098 U	mg/Kg	0.45	0.098	2	02/09/2022 10:00	02/10/2022 07:51	T
4-Nitrophenol	0.13 U	mg/Kg	0.45	0.13	2	02/09/2022 10:00	02/10/2022 07:51	T
Acenaphthene	0.010 U	mg/Kg	0.45	0.010	2	02/09/2022 10:00	02/10/2022 07:51	T
Acenaphthylene	**0.30 I**	mg/Kg	0.45	0.011	2	02/09/2022 10:00	02/10/2022 07:51	T
Anthracene	**0.25 I**	mg/Kg	0.45	0.011	2	02/09/2022 10:00	02/10/2022 07:51	T
Benzidine	0.088 U	mg/Kg	0.45	0.088	2	02/09/2022 10:00	02/10/2022 07:51	T
Benzo[a]anthracene	0.010 U	mg/Kg	0.45	0.010	2	02/09/2022 10:00	02/10/2022 07:51	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524009 **Date Collected:** 02/04/2022 12:30 **Matrix:** Soil
Sample ID: SB-37@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[a]pyrene	**0.12 I**	mg/Kg	0.45	0.0095	2	02/09/2022 10:00	02/10/2022 07:51	T
Benzo[b]fluoranthene	**0.28 I**	mg/Kg	0.45	0.014	2	02/09/2022 10:00	02/10/2022 07:51	T
Benzo[g,h,i]perylene	**0.42 I**	mg/Kg	0.45	0.0084	2	02/09/2022 10:00	02/10/2022 07:51	T
Benzo[k]fluoranthene	0.015 U	mg/Kg	0.45	0.015	2	02/09/2022 10:00	02/10/2022 07:51	T
Butyl benzyl phthalate	0.062 U	mg/Kg	0.45	0.062	2	02/09/2022 10:00	02/10/2022 07:51	T
Chrysene	**0.081 I**	mg/Kg	0.45	0.011	2	02/09/2022 10:00	02/10/2022 07:51	T
Di-n-Butyl Phthalate	0.093 U	mg/Kg	0.45	0.093	2	02/09/2022 10:00	02/10/2022 07:51	T
Di-n-octyl Phthalate	0.059 U	mg/Kg	0.45	0.059	2	02/09/2022 10:00	02/10/2022 07:51	T
Dibenzo[a,h]anthracene	**0.079 I**	mg/Kg	0.45	0.0086	2	02/09/2022 10:00	02/10/2022 07:51	T
Diethyl phthalate	0.086 U	mg/Kg	0.45	0.086	2	02/09/2022 10:00	02/10/2022 07:51	T
Dimethyl phthalate	0.084 U	mg/Kg	0.45	0.084	2	02/09/2022 10:00	02/10/2022 07:51	T
Fluoranthene	0.11 U	mg/Kg	0.45	0.11	2	02/09/2022 10:00	02/10/2022 07:51	T
Fluorene	**0.023 I**	mg/Kg	0.45	0.0099	2	02/09/2022 10:00	02/10/2022 07:51	T
Hexachlorobenzene	0.13 U	mg/Kg	0.45	0.13	2	02/09/2022 10:00	02/10/2022 07:51	T
Hexachlorobutadiene	0.073 U	mg/Kg	0.45	0.073	2	02/09/2022 10:00	02/10/2022 07:51	T
Hexachlorocyclopentadiene	0.075 U	mg/Kg	0.45	0.075	2	02/09/2022 10:00	02/10/2022 07:51	T
Hexachloroethane	0.062 U	mg/Kg	0.45	0.062	2	02/09/2022 10:00	02/10/2022 07:51	T
Indeno(1,2,3-cd)pyrene	**0.36 I**	mg/Kg	0.45	0.0088	2	02/09/2022 10:00	02/10/2022 07:51	T
Isophorone	0.050 U	mg/Kg	0.45	0.050	2	02/09/2022 10:00	02/10/2022 07:51	T
N-Nitrosodi-n-propylamine	0.079 U	mg/Kg	0.45	0.079	2	02/09/2022 10:00	02/10/2022 07:51	T
N-Nitrosodimethylamine	0.020 U	mg/Kg	0.45	0.020	2	02/09/2022 10:00	02/10/2022 07:51	T
N-Nitrosodiphenylamine	0.059 U	mg/Kg	0.45	0.059	2	02/09/2022 10:00	02/10/2022 07:51	T
Naphthalene	**0.075 I**	mg/Kg	0.45	0.011	2	02/09/2022 10:00	02/10/2022 07:51	T
Nitrobenzene	0.11 U	mg/Kg	0.45	0.11	2	02/09/2022 10:00	02/10/2022 07:51	T
Pentachlorophenol	0.15 U	mg/Kg	0.45	0.15	2	02/09/2022 10:00	02/10/2022 07:51	T
Phenanthrene	**0.055 I**	mg/Kg	0.45	0.013	2	02/09/2022 10:00	02/10/2022 07:51	T
Phenol	0.088 U	mg/Kg	0.45	0.088	2	02/09/2022 10:00	02/10/2022 07:51	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524009 **Date Collected:** 02/04/2022 12:30 **Matrix:** Soil
Sample ID: SB-37@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	**0.072 I**	mg/Kg	0.45	0.0096	2	02/09/2022 10:00	02/10/2022 07:51	T
bis(2-Chloroethoxy)methane	0.065 U	mg/Kg	0.45	0.065	2	02/09/2022 10:00	02/10/2022 07:51	T
bis(2-Chloroethyl)Ether	0.092 U	mg/Kg	0.45	0.092	2	02/09/2022 10:00	02/10/2022 07:51	T
bis(2-Chloroisopropyl) Ether	0.082 U	mg/Kg	0.45	0.082	2	02/09/2022 10:00	02/10/2022 07:51	T
bis(2-Ethylhexyl) phthalate	0.070 U	mg/Kg	0.45	0.070	2	02/09/2022 10:00	02/10/2022 07:51	T
(SM 2540G)								
Percent Moisture	**11**	%	0.001	0.0010	1	02/09/2022 10:00	02/09/2022 10:00	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1-Trichloroethane	0.00078 U	mg/Kg	0.0034	0.00078	1	02/09/2022 01:17	02/09/2022 07:14	T
1,1,2,2-Tetrachloroethane	0.00057 U	mg/Kg	0.0034	0.00057	1	02/09/2022 01:17	02/09/2022 07:14	T
1,1,2-Trichloroethane	0.00055 U	mg/Kg	0.0034	0.00055	1	02/09/2022 01:17	02/09/2022 07:14	T
1,1-Dichloroethane	0.00079 U	mg/Kg	0.0034	0.00079	1	02/09/2022 01:17	02/09/2022 07:14	T
1,1-Dichloroethylene	0.00082 U	mg/Kg	0.0034	0.00082	1	02/09/2022 01:17	02/09/2022 07:14	T
1,2-Dichlorobenzene	0.00053 U	mg/Kg	0.0034	0.00053	1	02/09/2022 01:17	02/09/2022 07:14	T
1,2-Dichloroethane	0.00088 U	mg/Kg	0.0034	0.00088	1	02/09/2022 01:17	02/09/2022 07:14	T
1,2-Dichloropropane	0.00060 U	mg/Kg	0.0034	0.00060	1	02/09/2022 01:17	02/09/2022 07:14	T
1,3-Dichlorobenzene	0.00062 U	mg/Kg	0.0034	0.00062	1	02/09/2022 01:17	02/09/2022 07:14	T
1,4-Dichlorobenzene	0.00074 U	mg/Kg	0.0034	0.00074	1	02/09/2022 01:17	02/09/2022 07:14	T
2-Chloroethyl Vinyl Ether	0.0029 U	mg/Kg	0.0034	0.0029	1	02/09/2022 01:17	02/09/2022 07:14	T
Acrolein (Propenal)	0.0070 U	mg/Kg	0.017	0.0070	1	02/09/2022 01:17	02/09/2022 07:14	T
Acrylonitrile	0.00058 U	mg/Kg	0.0034	0.00058	1	02/09/2022 01:17	02/09/2022 07:14	T
Benzene	0.00056 U	mg/Kg	0.0034	0.00056	1	02/09/2022 01:17	02/09/2022 07:14	T
Bromodichloromethane	0.00059 U	mg/Kg	0.0034	0.00059	1	02/09/2022 01:17	02/09/2022 07:14	T
Bromoform	0.0023 U	mg/Kg	0.0034	0.0023	1	02/09/2022 01:17	02/09/2022 07:14	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524009 **Date Collected:** 02/04/2022 12:30 **Matrix:** Soil
Sample ID: SB-37@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Bromomethane	0.0014 U	mg/Kg	0.0034	0.0014	1	02/09/2022 01:17	02/09/2022 07:14	T
Carbon Tetrachloride	0.00095 U	mg/Kg	0.0034	0.00095	1	02/09/2022 01:17	02/09/2022 07:14	T
Chlorobenzene	0.00050 U	mg/Kg	0.0034	0.00050	1	02/09/2022 01:17	02/09/2022 07:14	T
Chloroethane	0.0017 U	mg/Kg	0.0034	0.0017	1	02/09/2022 01:17	02/09/2022 07:14	T
Chloroform	0.00069 U	mg/Kg	0.0034	0.00069	1	02/09/2022 01:17	02/09/2022 07:14	T
Chloromethane	0.00077 U	mg/Kg	0.0034	0.00077	1	02/09/2022 01:17	02/09/2022 07:14	T
Dibromochloromethane	0.0019 U	mg/Kg	0.0034	0.0019	1	02/09/2022 01:17	02/09/2022 07:14	T
Dichlorodifluoromethane	0.0011 U	mg/Kg	0.0034	0.0011	1	02/09/2022 01:17	02/09/2022 07:14	T
Ethylbenzene	0.00040 U	mg/Kg	0.0034	0.00040	1	02/09/2022 01:17	02/09/2022 07:14	T
Methyl tert-butyl Ether (MTBE)	0.0011 U	mg/Kg	0.0034	0.0011	1	02/09/2022 01:17	02/09/2022 07:14	T
Methylene Chloride	0.0045 U	mg/Kg	0.0056	0.0045	1	02/09/2022 01:17	02/09/2022 07:14	T
Tetrachloroethylene (PCE)	0.00064 U	mg/Kg	0.0034	0.00064	1	02/09/2022 01:17	02/09/2022 07:14	T
Toluene	0.00042 U	mg/Kg	0.0034	0.00042	1	02/09/2022 01:17	02/09/2022 07:14	T
Trichloroethene	0.00083 U	mg/Kg	0.0034	0.00083	1	02/09/2022 01:17	02/09/2022 07:14	T
Trichlorofluoromethane	0.00074 U	mg/Kg	0.0034	0.00074	1	02/09/2022 01:17	02/09/2022 07:14	T
Vinyl Chloride	0.00065 U	mg/Kg	0.0034	0.00065	1	02/09/2022 01:17	02/09/2022 07:14	T
Xylene (Total)	0.0015 U	mg/Kg	0.0067	0.0015	1	02/09/2022 01:17	02/09/2022 07:14	T
cis-1,2-Dichloroethylene	0.00066 U	mg/Kg	0.0034	0.00066	1	02/09/2022 01:17	02/09/2022 07:14	T
cis-1,3-Dichloropropene	0.0024 U	mg/Kg	0.0034	0.0024	1	02/09/2022 01:17	02/09/2022 07:14	T
trans-1,2-Dichloroethylene	0.00068 U	mg/Kg	0.0034	0.00068	1	02/09/2022 01:17	02/09/2022 07:14	T
trans-1,3-Dichloropropylene	0.0021 U	mg/Kg	0.0034	0.0021	1	02/09/2022 01:17	02/09/2022 07:14	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Analysis Results Comments

Acenaphthylene

J4|Estimated Result

Anthracene

J4|Estimated Result

Benzo[b]fluoranthene

J4|Estimated Result

Benzo[g,h,i]perylene

J4|Estimated Result

Chrysene

J4|Estimated Result

Decachlorobiphenyl

J4|Estimated Result

Indeno(1,2,3-cd)pyrene

J4|Estimated Result

Pyrene

J4|Estimated Result

TPH

J4|Estimated Result

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	50	46	92	69 - 134	T
Toluene-d8 (S)	ug/Kg	50	48	97	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	50	57	115	79 - 126	T
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.25	62	37 - 127	T
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.30	76	33 - 134	T
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.31	78	42 - 141	T
Nonatricontane-C39 (S)	mg/Kg	6	5.30	89	36 - 132	T
o-Terphenyl (S)	mg/Kg	2	1.40	72	66 - 136	T
Decachlorobiphenyl (S)	ug/Kg	80	48	**60**	63 - 130	M
Tetrachloro-m-xylene (S)	ug/Kg	160	100	63	42 - 129	M
2,4,6-Tribromophenol (S)	mg/Kg	2	2.30	115	39 - 132	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Phenol-d6 (S)	mg/Kg	2	1.90	98	33 - 122	T
2-Fluorobiphenyl (S)	mg/Kg	2	1.80	92	44 - 115	T
2-Fluorophenol (S)	mg/Kg	2	1.90	95	35 - 115	T
Nitrobenzene-d5 (S)	mg/Kg	2	2	103	37 - 122	T
p-Terphenyl-d14 (S)	mg/Kg	2	1.90	95	54 - 127	T
Decachlorobiphenyl (S)	ug/Kg	79	48	**60**	61 - 147	M
Tetrachloro-m-xylene (S)	ug/Kg	160	99	63	44 - 130	M

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524010 **Date Collected:** 02/04/2022 12:45 **Matrix:** Soil
Sample ID: SB-38@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**0.90**	mg/Kg	0.32	0.16	1	02/08/2022 15:00	02/09/2022 18:04	T
Cadmium	**0.31**	mg/Kg	0.063	0.032	1	02/08/2022 15:00	02/09/2022 18:04	T
Chromium	**9.8**	mg/Kg	0.32	0.25	1	02/08/2022 15:00	02/09/2022 18:04	T
Lead	**49**	mg/Kg	0.32	0.16	1	02/08/2022 15:00	02/09/2022 18:04	T
SEMIVOLATILES (FL-PRO)								
TPH	**36**	mg/Kg	34	12	2	02/10/2022 16:30	02/13/2022 16:54	T
SEMIVOLATILES (SW-846 3550B/EPA 8081)								
4,4`-DDD	0.0013 U	mg/Kg	0.0020	0.0013	1	02/07/2022 07:30	02/07/2022 19:32	M
4,4`-DDE	0.0013 U	mg/Kg	0.0020	0.0013	1	02/07/2022 07:30	02/07/2022 19:32	M
4,4`-DDT	**0.0015 I**	mg/Kg	0.0020	0.0013	1	02/07/2022 07:30	02/07/2022 19:32	M
Aldrin	0.0013 U	mg/Kg	0.0020	0.0013	1	02/07/2022 07:30	02/07/2022 19:32	M
Chlordane (technical)	0.012 U	mg/Kg	0.040	0.012	1	02/07/2022 07:30	02/07/2022 19:32	M
Dieldrin	0.0013 U	mg/Kg	0.0020	0.0013	1	02/07/2022 07:30	02/07/2022 19:32	M
Endosulfan I	0.0013 U	mg/Kg	0.0020	0.0013	1	02/07/2022 07:30	02/07/2022 19:32	M
Endosulfan II	0.0013 U	mg/Kg	0.0020	0.0013	1	02/07/2022 07:30	02/07/2022 19:32	M
Endosulfan Sulfate	0.0013 U	mg/Kg	0.0020	0.0013	1	02/07/2022 07:30	02/07/2022 19:32	M
Endrin	0.0013 U	mg/Kg	0.0020	0.0013	1	02/07/2022 07:30	02/07/2022 19:32	M
Endrin Aldehyde	0.0013 U	mg/Kg	0.0020	0.0013	1	02/07/2022 07:30	02/07/2022 19:32	M
Heptachlor	0.0013 U	mg/Kg	0.0020	0.0013	1	02/07/2022 07:30	02/07/2022 19:32	M
Heptachlor Epoxide	0.0013 U	mg/Kg	0.0020	0.0013	1	02/07/2022 07:30	02/07/2022 19:32	M
Methoxychlor	0.0013 U	mg/Kg	0.0020	0.0013	1	02/07/2022 07:30	02/07/2022 19:32	M
Toxaphene	0.013 U	mg/Kg	0.040	0.013	1	02/07/2022 07:30	02/07/2022 19:32	M
alpha-BHC	0.0013 U	mg/Kg	0.0020	0.0013	1	02/07/2022 07:30	02/07/2022 19:32	M
beta-BHC	0.0013 U	mg/Kg	0.0020	0.0013	1	02/07/2022 07:30	02/07/2022 19:32	M
delta-BHC	0.0013 U	mg/Kg	0.0020	0.0013	1	02/07/2022 07:30	02/07/2022 19:32	M
gamma-BHC (Lindane)	0.0013 U	mg/Kg	0.0020	0.0013	1	02/07/2022 07:30	02/07/2022 19:32	M
SEMIVOLATILES (SW-846 3550B/SW-846 8082A)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524010 **Date Collected:** 02/04/2022 12:45 **Matrix:** Soil
Sample ID: SB-38@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Aroclor 1016 (PCB-1016)	0.024 U	mg/Kg	0.040	0.024	1	02/07/2022 07:30	02/07/2022 19:32	M
Aroclor 1221 (PCB-1221)	0.028 U	mg/Kg	0.040	0.028	1	02/07/2022 07:30	02/07/2022 19:32	M
Aroclor 1232 (PCB-1232)	0.038 U	mg/Kg	0.040	0.038	1	02/07/2022 07:30	02/07/2022 19:32	M
Aroclor 1242 (PCB-1242)	0.030 U	mg/Kg	0.040	0.030	1	02/07/2022 07:30	02/07/2022 19:32	M
Aroclor 1248 (PCB-1248)	0.014 U	mg/Kg	0.040	0.014	1	02/07/2022 07:30	02/07/2022 19:32	M
Aroclor 1254 (PCB-1254)	0.0079 U	mg/Kg	0.040	0.0079	1	02/07/2022 07:30	02/07/2022 19:32	M
Aroclor 1260 (PCB-1260)	0.048 U	mg/Kg	0.079	0.048	1	02/07/2022 07:30	02/07/2022 19:32	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	0.0075 U	mg/Kg	0.040	0.0075	4	02/10/2022 16:30	02/11/2022 20:56	T
2-Methylnaphthalene	0.0097 U	mg/Kg	0.040	0.0097	4	02/10/2022 16:30	02/11/2022 20:56	T
Acenaphthene	0.0072 U	mg/Kg	0.040	0.0072	4	02/10/2022 16:30	02/11/2022 20:56	T
Acenaphthylene	**0.074**	mg/Kg	0.040	0.0085	4	02/10/2022 16:30	02/11/2022 20:56	T
Anthracene	**0.13**	mg/Kg	0.040	0.012	4	02/10/2022 16:30	02/11/2022 20:56	T
Benzo[a]anthracene	**0.19**	mg/Kg	0.040	0.0096	4	02/10/2022 16:30	02/11/2022 20:56	T
Benzo[a]pyrene	**0.24**	mg/Kg	0.040	0.0081	4	02/10/2022 16:30	02/11/2022 20:56	T
Benzo[b]fluoranthene	**0.43**	mg/Kg	0.040	0.0076	4	02/10/2022 16:30	02/11/2022 20:56	T
Benzo[g,h,i]perylene	**0.26**	mg/Kg	0.040	0.0092	4	02/10/2022 16:30	02/11/2022 20:56	T
Benzo[k]fluoranthene	**0.16**	mg/Kg	0.040	0.011	4	02/10/2022 16:30	02/11/2022 20:56	T
Chrysene	**0.25**	mg/Kg	0.040	0.014	4	02/10/2022 16:30	02/11/2022 20:56	T
Dibenzo[a,h]anthracene	**0.065**	mg/Kg	0.040	0.0080	4	02/10/2022 16:30	02/11/2022 20:56	T
Fluoranthene	**0.32**	mg/Kg	0.040	0.013	4	02/10/2022 16:30	02/11/2022 20:56	T
Fluorene	0.010 U	mg/Kg	0.040	0.010	4	02/10/2022 16:30	02/11/2022 20:56	T
Indeno(1,2,3-cd)pyrene	**0.26**	mg/Kg	0.040	0.011	4	02/10/2022 16:30	02/11/2022 20:56	T
Naphthalene	0.0081 U	mg/Kg	0.040	0.0081	4	02/10/2022 16:30	02/11/2022 20:56	T
Phenanthrene	**0.084**	mg/Kg	0.040	0.010	4	02/10/2022 16:30	02/11/2022 20:56	T
Pyrene	**0.36**	mg/Kg	0.040	0.011	4	02/10/2022 16:30	02/11/2022 20:56	T
SEMIVOLATILES (SW-846 3550B/SW-846 8270C)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524010 **Date Collected:** 02/04/2022 12:45 **Matrix:** Soil
Sample ID: SB-38@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,2,4-Trichlorobenzene	0.074 U	mg/Kg	0.50	0.074	2	02/09/2022 10:00	02/10/2022 05:24	T
1,2-Dichlorobenzene	0.10 U	mg/Kg	0.50	0.10	2	02/09/2022 10:00	02/10/2022 05:24	T
1,2-Diphenylhydrazine	0.19 U	mg/Kg	0.50	0.19	2	02/09/2022 10:00	02/10/2022 05:24	T
1,3-Dichlorobenzene	0.052 U	mg/Kg	0.50	0.052	2	02/09/2022 10:00	02/10/2022 05:24	T
1,4-Dichlorobenzene	0.11 U	mg/Kg	0.50	0.11	2	02/09/2022 10:00	02/10/2022 05:24	T
1-Methylnaphthalene	**0.012 I**	mg/Kg	0.50	0.0096	2	02/09/2022 10:00	02/10/2022 05:24	T
2,4,6-Trichlorophenol	0.093 U	mg/Kg	0.50	0.093	2	02/09/2022 10:00	02/10/2022 05:24	T
2,4-Dichlorophenol	0.11 U	mg/Kg	0.50	0.11	2	02/09/2022 10:00	02/10/2022 05:24	T
2,4-Dimethylphenol	0.11 U	mg/Kg	0.50	0.11	2	02/09/2022 10:00	02/10/2022 05:24	T
2,4-Dinitrophenol	0.30 U	mg/Kg	0.50	0.30	2	02/09/2022 10:00	02/10/2022 05:24	T
2,4-Dinitrotoluene (2,4-DNT)	0.16 U	mg/Kg	0.50	0.16	2	02/09/2022 10:00	02/10/2022 05:24	T
2,6-Dinitrotoluene (2,6-DNT)	0.13 U	mg/Kg	0.50	0.13	2	02/09/2022 10:00	02/10/2022 05:24	T
2-Chloronaphthalene	0.096 U	mg/Kg	0.50	0.096	2	02/09/2022 10:00	02/10/2022 05:24	T
2-Chlorophenol	0.089 U	mg/Kg	0.50	0.089	2	02/09/2022 10:00	02/10/2022 05:24	T
2-Methyl-4,6-dinitrophenol	0.11 U	mg/Kg	0.50	0.11	2	02/09/2022 10:00	02/10/2022 05:24	T
2-Methylnaphthalene	**0.014 I**	mg/Kg	0.50	0.012	2	02/09/2022 10:00	02/10/2022 05:24	T
2-Nitrophenol	0.11 U	mg/Kg	0.50	0.11	2	02/09/2022 10:00	02/10/2022 05:24	T
3,3`-Dichlorobenzidine	0.068 U	mg/Kg	0.50	0.068	2	02/09/2022 10:00	02/10/2022 05:24	T
4-Bromophenyl Phenyl Ether	0.13 U	mg/Kg	0.50	0.13	2	02/09/2022 10:00	02/10/2022 05:24	T
4-Chloro-3-methylphenol	0.11 U	mg/Kg	0.50	0.11	2	02/09/2022 10:00	02/10/2022 05:24	T
4-Chlorophenyl Phenyl Ether	0.11 U	mg/Kg	0.50	0.11	2	02/09/2022 10:00	02/10/2022 05:24	T
4-Nitrophenol	0.14 U	mg/Kg	0.50	0.14	2	02/09/2022 10:00	02/10/2022 05:24	T
Acenaphthene	0.011 U	mg/Kg	0.50	0.011	2	02/09/2022 10:00	02/10/2022 05:24	T
Acenaphthylene	**0.079 I**	mg/Kg	0.50	0.013	2	02/09/2022 10:00	02/10/2022 05:24	T
Anthracene	**0.082 I**	mg/Kg	0.50	0.013	2	02/09/2022 10:00	02/10/2022 05:24	T
Benzidine	0.098 U	mg/Kg	0.50	0.098	2	02/09/2022 10:00	02/10/2022 05:24	T
Benzo[a]anthracene	0.011 U	mg/Kg	0.50	0.011	2	02/09/2022 10:00	02/10/2022 05:24	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524010 **Date Collected:** 02/04/2022 12:45 **Matrix:** Soil
Sample ID: SB-38@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[a]pyrene	**0.33 I**	mg/Kg	0.50	0.011	2	02/09/2022 10:00	02/10/2022 05:24	T
Benzo[b]fluoranthene	**0.60**	mg/Kg	0.50	0.016	2	02/09/2022 10:00	02/10/2022 05:24	T
Benzo[g,h,i]perylene	**0.30 I**	mg/Kg	0.50	0.0093	2	02/09/2022 10:00	02/10/2022 05:24	T
Benzo[k]fluoranthene	0.017 U	mg/Kg	0.50	0.017	2	02/09/2022 10:00	02/10/2022 05:24	T
Butyl benzyl phthalate	0.069 U	mg/Kg	0.50	0.069	2	02/09/2022 10:00	02/10/2022 05:24	T
Chrysene	**0.33 I**	mg/Kg	0.50	0.013	2	02/09/2022 10:00	02/10/2022 05:24	T
Di-n-Butyl Phthalate	0.10 U	mg/Kg	0.50	0.10	2	02/09/2022 10:00	02/10/2022 05:24	T
Di-n-octyl Phthalate	0.065 U	mg/Kg	0.50	0.065	2	02/09/2022 10:00	02/10/2022 05:24	T
Dibenzo[a,h]anthracene	**0.075 I**	mg/Kg	0.50	0.0095	2	02/09/2022 10:00	02/10/2022 05:24	T
Diethyl phthalate	0.096 U	mg/Kg	0.50	0.096	2	02/09/2022 10:00	02/10/2022 05:24	T
Dimethyl phthalate	0.093 U	mg/Kg	0.50	0.093	2	02/09/2022 10:00	02/10/2022 05:24	T
Fluoranthene	**0.39 I**	mg/Kg	0.50	0.12	2	02/09/2022 10:00	02/10/2022 05:24	T
Fluorene	0.011 U	mg/Kg	0.50	0.011	2	02/09/2022 10:00	02/10/2022 05:24	T
Hexachlorobenzene	0.15 U	mg/Kg	0.50	0.15	2	02/09/2022 10:00	02/10/2022 05:24	T
Hexachlorobutadiene	0.082 U	mg/Kg	0.50	0.082	2	02/09/2022 10:00	02/10/2022 05:24	T
Hexachlorocyclopentadiene	0.083 U	mg/Kg	0.50	0.083	2	02/09/2022 10:00	02/10/2022 05:24	T
Hexachloroethane	0.069 U	mg/Kg	0.50	0.069	2	02/09/2022 10:00	02/10/2022 05:24	T
Indeno(1,2,3-cd)pyrene	**0.30 I**	mg/Kg	0.50	0.0098	2	02/09/2022 10:00	02/10/2022 05:24	T
Isophorone	0.056 U	mg/Kg	0.50	0.056	2	02/09/2022 10:00	02/10/2022 05:24	T
N-Nitrosodi-n-propylamine	0.089 U	mg/Kg	0.50	0.089	2	02/09/2022 10:00	02/10/2022 05:24	T
N-Nitrosodimethylamine	0.022 U	mg/Kg	0.50	0.022	2	02/09/2022 10:00	02/10/2022 05:24	T
N-Nitrosodiphenylamine	0.065 U	mg/Kg	0.50	0.065	2	02/09/2022 10:00	02/10/2022 05:24	T
Naphthalene	**0.012 I**	mg/Kg	0.50	0.012	2	02/09/2022 10:00	02/10/2022 05:24	T
Nitrobenzene	0.12 U	mg/Kg	0.50	0.12	2	02/09/2022 10:00	02/10/2022 05:24	T
Pentachlorophenol	0.17 U	mg/Kg	0.50	0.17	2	02/09/2022 10:00	02/10/2022 05:24	T
Phenanthrene	**0.098 I**	mg/Kg	0.50	0.014	2	02/09/2022 10:00	02/10/2022 05:24	T
Phenol	0.098 U	mg/Kg	0.50	0.098	2	02/09/2022 10:00	02/10/2022 05:24	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524010 **Date Collected:** 02/04/2022 12:45 **Matrix:** Soil
Sample ID: SB-38@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	**0.40 I**	mg/Kg	0.50	0.011	2	02/09/2022 10:00	02/10/2022 05:24	T
bis(2-Chloroethoxy)methane	0.073 U	mg/Kg	0.50	0.073	2	02/09/2022 10:00	02/10/2022 05:24	T
bis(2-Chloroethyl)Ether	0.10 U	mg/Kg	0.50	0.10	2	02/09/2022 10:00	02/10/2022 05:24	T
bis(2-Chloroisopropyl) Ether	0.091 U	mg/Kg	0.50	0.091	2	02/09/2022 10:00	02/10/2022 05:24	T
bis(2-Ethylhexyl) phthalate	0.078 U	mg/Kg	0.50	0.078	2	02/09/2022 10:00	02/10/2022 05:24	T
(SM 2540G)								
Percent Moisture	**20**	%	0.001	0.0010	1	02/09/2022 10:00	02/09/2022 10:00	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1-Trichloroethane	0.00087 U	mg/Kg	0.0037	0.00087	1	02/09/2022 01:17	02/09/2022 07:42	T
1,1,2,2-Tetrachloroethane	0.00064 U	mg/Kg	0.0037	0.00064	1	02/09/2022 01:17	02/09/2022 07:42	T
1,1,2-Trichloroethane	0.00061 U	mg/Kg	0.0037	0.00061	1	02/09/2022 01:17	02/09/2022 07:42	T
1,1-Dichloroethane	0.00087 U	mg/Kg	0.0037	0.00087	1	02/09/2022 01:17	02/09/2022 07:42	T
1,1-Dichloroethylene	0.00091 U	mg/Kg	0.0037	0.00091	1	02/09/2022 01:17	02/09/2022 07:42	T
1,2-Dichlorobenzene	0.00059 U	mg/Kg	0.0037	0.00059	1	02/09/2022 01:17	02/09/2022 07:42	T
1,2-Dichloroethane	0.00098 U	mg/Kg	0.0037	0.00098	1	02/09/2022 01:17	02/09/2022 07:42	T
1,2-Dichloropropane	0.00067 U	mg/Kg	0.0037	0.00067	1	02/09/2022 01:17	02/09/2022 07:42	T
1,3-Dichlorobenzene	0.00069 U	mg/Kg	0.0037	0.00069	1	02/09/2022 01:17	02/09/2022 07:42	T
1,4-Dichlorobenzene	0.00083 U	mg/Kg	0.0037	0.00083	1	02/09/2022 01:17	02/09/2022 07:42	T
2-Chloroethyl Vinyl Ether	0.0032 U	mg/Kg	0.0037	0.0032	1	02/09/2022 01:17	02/09/2022 07:42	T
Acrolein (Propenal)	0.0077 U	mg/Kg	0.019	0.0077	1	02/09/2022 01:17	02/09/2022 07:42	T
Acrylonitrile	0.00065 U	mg/Kg	0.0037	0.00065	1	02/09/2022 01:17	02/09/2022 07:42	T
Benzene	0.00062 U	mg/Kg	0.0037	0.00062	1	02/09/2022 01:17	02/09/2022 07:42	T
Bromodichloromethane	0.00066 U	mg/Kg	0.0037	0.00066	1	02/09/2022 01:17	02/09/2022 07:42	T
Bromoform	0.0025 U	mg/Kg	0.0037	0.0025	1	02/09/2022 01:17	02/09/2022 07:42	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524010 **Date Collected:** 02/04/2022 12:45 **Matrix:** Soil
Sample ID: SB-38@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Bromomethane	0.0015 U	mg/Kg	0.0037	0.0015	1	02/09/2022 01:17	02/09/2022 07:42	T
Carbon Tetrachloride	0.0011 U	mg/Kg	0.0037	0.0011	1	02/09/2022 01:17	02/09/2022 07:42	T
Chlorobenzene	0.00055 U	mg/Kg	0.0037	0.00055	1	02/09/2022 01:17	02/09/2022 07:42	T
Chloroethane	0.0019 U	mg/Kg	0.0037	0.0019	1	02/09/2022 01:17	02/09/2022 07:42	T
Chloroform	0.00076 U	mg/Kg	0.0037	0.00076	1	02/09/2022 01:17	02/09/2022 07:42	T
Chloromethane	0.00086 U	mg/Kg	0.0037	0.00086	1	02/09/2022 01:17	02/09/2022 07:42	T
Dibromochloromethane	0.0021 U	mg/Kg	0.0037	0.0021	1	02/09/2022 01:17	02/09/2022 07:42	T
Dichlorodifluoromethane	0.0013 U	mg/Kg	0.0037	0.0013	1	02/09/2022 01:17	02/09/2022 07:42	T
Ethylbenzene	0.00044 U	mg/Kg	0.0037	0.00044	1	02/09/2022 01:17	02/09/2022 07:42	T
Methyl tert-butyl Ether (MTBE)	0.0012 U	mg/Kg	0.0037	0.0012	1	02/09/2022 01:17	02/09/2022 07:42	T
Methylene Chloride	0.0050 U	mg/Kg	0.0062	0.0050	1	02/09/2022 01:17	02/09/2022 07:42	T
Tetrachloroethylene (PCE)	0.00071 U	mg/Kg	0.0037	0.00071	1	02/09/2022 01:17	02/09/2022 07:42	T
Toluene	0.00046 U	mg/Kg	0.0037	0.00046	1	02/09/2022 01:17	02/09/2022 07:42	T
Trichloroethene	0.00092 U	mg/Kg	0.0037	0.00092	1	02/09/2022 01:17	02/09/2022 07:42	T
Trichlorofluoromethane	0.00083 U	mg/Kg	0.0037	0.00083	1	02/09/2022 01:17	02/09/2022 07:42	T
Vinyl Chloride	0.00072 U	mg/Kg	0.0037	0.00072	1	02/09/2022 01:17	02/09/2022 07:42	T
Xylene (Total)	0.0016 U	mg/Kg	0.0075	0.0016	1	02/09/2022 01:17	02/09/2022 07:42	T
cis-1,2-Dichloroethylene	0.00074 U	mg/Kg	0.0037	0.00074	1	02/09/2022 01:17	02/09/2022 07:42	T
cis-1,3-Dichloropropene	0.0027 U	mg/Kg	0.0037	0.0027	1	02/09/2022 01:17	02/09/2022 07:42	T
trans-1,2-Dichloroethylene	0.00076 U	mg/Kg	0.0037	0.00076	1	02/09/2022 01:17	02/09/2022 07:42	T
trans-1,3-Dichloropropylene	0.0023 U	mg/Kg	0.0037	0.0023	1	02/09/2022 01:17	02/09/2022 07:42	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Analysis Results Comments

Decachlorobiphenyl

J4|Estimated Result

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	50	47	93	69 - 134	T
Toluene-d8 (S)	ug/Kg	50	48	97	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	50	60	120	79 - 126	T
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.26	66	37 - 127	T
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.32	81	33 - 134	T
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.32	81	42 - 141	T
Nonatricontane-C39 (S)	mg/Kg	6	4.50	75	36 - 132	T
o-Terphenyl (S)	mg/Kg	2	1.40	71	66 - 136	T
Decachlorobiphenyl (S)	ug/Kg	79	37	**47**	63 - 130	M
Tetrachloro-m-xylene (S)	ug/Kg	160	130	82	42 - 129	M
2,4,6-Tribromophenol (S)	mg/Kg	2	2	101	39 - 132	T
Phenol-d6 (S)	mg/Kg	2	1.80	92	33 - 122	T
2-Fluorobiphenyl (S)	mg/Kg	2	1.70	88	44 - 115	T
2-Fluorophenol (S)	mg/Kg	2	1.70	83	35 - 115	T
Nitrobenzene-d5 (S)	mg/Kg	2	1.90	93	37 - 122	T
p-Terphenyl-d14 (S)	mg/Kg	2	2	98	54 - 127	T
Decachlorobiphenyl (S)	ug/Kg	79	37	**47**	61 - 147	M
Tetrachloro-m-xylene (S)	ug/Kg	160	130	82	44 - 130	M

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524011 **Date Collected:** 02/04/2022 13:00 **Matrix:** Soil
Sample ID: SB-39@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**0.82**	mg/Kg	0.28	0.14	1	02/08/2022 15:00	02/09/2022 18:07	T
Cadmium	**0.12**	mg/Kg	0.056	0.028	1	02/08/2022 15:00	02/09/2022 18:07	T
Chromium	**5.0**	mg/Kg	0.28	0.23	1	02/08/2022 15:00	02/09/2022 18:07	T
Lead	**42**	mg/Kg	0.28	0.14	1	02/08/2022 15:00	02/09/2022 18:07	T
SEMIVOLATILES (FL-PRO)								
TPH	**27 I**	mg/Kg	32	11	2	02/10/2022 16:30	02/11/2022 18:57	T
SEMIVOLATILES (SW-846 3550B/EPA 8081)								
4,4`-DDD	**0.0014 I**	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 19:53	M
4,4`-DDE	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 19:53	M
4,4`-DDT	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 19:53	M
Aldrin	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 19:53	M
Chlordane (technical)	0.011 U	mg/Kg	0.036	0.011	1	02/07/2022 07:30	02/07/2022 19:53	M
Dieldrin	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 19:53	M
Endosulfan I	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 19:53	M
Endosulfan II	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 19:53	M
Endosulfan Sulfate	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 19:53	M
Endrin	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 19:53	M
Endrin Aldehyde	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 19:53	M
Heptachlor	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 19:53	M
Heptachlor Epoxide	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 19:53	M
Methoxychlor	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 19:53	M
Toxaphene	0.012 U	mg/Kg	0.036	0.012	1	02/07/2022 07:30	02/07/2022 19:53	M
alpha-BHC	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 19:53	M
beta-BHC	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 19:53	M
delta-BHC	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 19:53	M
gamma-BHC (Lindane)	0.0012 U	mg/Kg	0.0018	0.0012	1	02/07/2022 07:30	02/07/2022 19:53	M
SEMIVOLATILES (SW-846 3550B/SW-846 8082A)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524011 **Date Collected:** 02/04/2022 13:00 **Matrix:** Soil
Sample ID: SB-39@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Aroclor 1016 (PCB-1016)	0.022 U	mg/Kg	0.036	0.022	1	02/07/2022 07:30	02/07/2022 19:53	M
Aroclor 1221 (PCB-1221)	0.025 U	mg/Kg	0.036	0.025	1	02/07/2022 07:30	02/07/2022 19:53	M
Aroclor 1232 (PCB-1232)	0.035 U	mg/Kg	0.036	0.035	1	02/07/2022 07:30	02/07/2022 19:53	M
Aroclor 1242 (PCB-1242)	0.027 U	mg/Kg	0.036	0.027	1	02/07/2022 07:30	02/07/2022 19:53	M
Aroclor 1248 (PCB-1248)	0.013 U	mg/Kg	0.036	0.013	1	02/07/2022 07:30	02/07/2022 19:53	M
Aroclor 1254 (PCB-1254)	0.0073 U	mg/Kg	0.036	0.0073	1	02/07/2022 07:30	02/07/2022 19:53	M
Aroclor 1260 (PCB-1260)	0.044 U	mg/Kg	0.073	0.044	1	02/07/2022 07:30	02/07/2022 19:53	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	**0.017 I**	mg/Kg	0.019	0.0035	2	02/10/2022 16:30	02/11/2022 22:22	T
2-Methylnaphthalene	**0.018 I**	mg/Kg	0.019	0.0046	2	02/10/2022 16:30	02/11/2022 22:22	T
Acenaphthene	**0.0094 I**	mg/Kg	0.019	0.0034	2	02/10/2022 16:30	02/11/2022 22:22	T
Acenaphthylene	**0.15**	mg/Kg	0.019	0.0040	2	02/10/2022 16:30	02/11/2022 22:22	T
Anthracene	**0.23**	mg/Kg	0.019	0.0057	2	02/10/2022 16:30	02/11/2022 22:22	T
Benzo[a]anthracene	**0.39**	mg/Kg	0.019	0.0045	2	02/10/2022 16:30	02/11/2022 22:22	T
Benzo[a]pyrene	**0.48**	mg/Kg	0.019	0.0038	2	02/10/2022 16:30	02/11/2022 22:22	T
Benzo[b]fluoranthene	**0.74**	mg/Kg	0.019	0.0036	2	02/10/2022 16:30	02/11/2022 22:22	T
Benzo[g,h,i]perylene	**0.53**	mg/Kg	0.019	0.0043	2	02/10/2022 16:30	02/11/2022 22:22	T
Benzo[k]fluoranthene	**0.28**	mg/Kg	0.019	0.0053	2	02/10/2022 16:30	02/11/2022 22:22	T
Chrysene	**0.46**	mg/Kg	0.019	0.0066	2	02/10/2022 16:30	02/11/2022 22:22	T
Dibenzo[a,h]anthracene	**0.13**	mg/Kg	0.019	0.0038	2	02/10/2022 16:30	02/11/2022 22:22	T
Fluoranthene	**0.62**	mg/Kg	0.019	0.0063	2	02/10/2022 16:30	02/11/2022 22:22	T
Fluorene	**0.014 I**	mg/Kg	0.019	0.0049	2	02/10/2022 16:30	02/11/2022 22:22	T
Indeno(1,2,3-cd)pyrene	**0.53**	mg/Kg	0.019	0.0054	2	02/10/2022 16:30	02/11/2022 22:22	T
Naphthalene	**0.012 I**	mg/Kg	0.019	0.0038	2	02/10/2022 16:30	02/11/2022 22:22	T
Phenanthrene	**0.18**	mg/Kg	0.019	0.0049	2	02/10/2022 16:30	02/11/2022 22:22	T
Pyrene	**0.65**	mg/Kg	0.019	0.0053	2	02/10/2022 16:30	02/11/2022 22:22	T
SEMIVOLATILES (SW-846 3550B/SW-846 8270C)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524011 **Date Collected:** 02/04/2022 13:00 **Matrix:** Soil
Sample ID: SB-39@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,2,4-Trichlorobenzene	0.035 U	mg/Kg	0.24	0.035	1	02/09/2022 10:00	02/10/2022 04:47	T
1,2-Dichlorobenzene	0.048 U	mg/Kg	0.24	0.048	1	02/09/2022 10:00	02/10/2022 04:47	T
1,2-Diphenylhydrazine	0.090 U	mg/Kg	0.24	0.090	1	02/09/2022 10:00	02/10/2022 04:47	T
1,3-Dichlorobenzene	0.025 U	mg/Kg	0.24	0.025	1	02/09/2022 10:00	02/10/2022 04:47	T
1,4-Dichlorobenzene	0.053 U	mg/Kg	0.24	0.053	1	02/09/2022 10:00	02/10/2022 04:47	T
1-Methylnaphthalene	**0.013 I**	mg/Kg	0.24	0.0046	1	02/09/2022 10:00	02/10/2022 04:47	T
2,4,6-Trichlorophenol	0.044 U	mg/Kg	0.24	0.044	1	02/09/2022 10:00	02/10/2022 04:47	T
2,4-Dichlorophenol	0.050 U	mg/Kg	0.24	0.050	1	02/09/2022 10:00	02/10/2022 04:47	T
2,4-Dimethylphenol	0.050 U	mg/Kg	0.24	0.050	1	02/09/2022 10:00	02/10/2022 04:47	T
2,4-Dinitrophenol	0.14 U	mg/Kg	0.24	0.14	1	02/09/2022 10:00	02/10/2022 04:47	T
2,4-Dinitrotoluene (2,4-DNT)	0.074 U	mg/Kg	0.24	0.074	1	02/09/2022 10:00	02/10/2022 04:47	T
2,6-Dinitrotoluene (2,6-DNT)	0.059 U	mg/Kg	0.24	0.059	1	02/09/2022 10:00	02/10/2022 04:47	T
2-Chloronaphthalene	0.046 U	mg/Kg	0.24	0.046	1	02/09/2022 10:00	02/10/2022 04:47	T
2-Chlorophenol	0.042 U	mg/Kg	0.24	0.042	1	02/09/2022 10:00	02/10/2022 04:47	T
2-Methyl-4,6-dinitrophenol	0.053 U	mg/Kg	0.24	0.053	1	02/09/2022 10:00	02/10/2022 04:47	T
2-Methylnaphthalene	**0.015 I**	mg/Kg	0.24	0.0056	1	02/09/2022 10:00	02/10/2022 04:47	T
2-Nitrophenol	0.052 U	mg/Kg	0.24	0.052	1	02/09/2022 10:00	02/10/2022 04:47	T
3,3`-Dichlorobenzidine	0.032 U	mg/Kg	0.24	0.032	1	02/09/2022 10:00	02/10/2022 04:47	T
4-Bromophenyl Phenyl Ether	0.060 U	mg/Kg	0.24	0.060	1	02/09/2022 10:00	02/10/2022 04:47	T
4-Chloro-3-methylphenol	0.050 U	mg/Kg	0.24	0.050	1	02/09/2022 10:00	02/10/2022 04:47	T
4-Chlorophenyl Phenyl Ether	0.052 U	mg/Kg	0.24	0.052	1	02/09/2022 10:00	02/10/2022 04:47	T
4-Nitrophenol	0.066 U	mg/Kg	0.24	0.066	1	02/09/2022 10:00	02/10/2022 04:47	T
Acenaphthene	**0.016 I**	mg/Kg	0.24	0.0054	1	02/09/2022 10:00	02/10/2022 04:47	T
Acenaphthylene	**0.084 I**	mg/Kg	0.24	0.0060	1	02/09/2022 10:00	02/10/2022 04:47	T
Anthracene	**0.082 I**	mg/Kg	0.24	0.0059	1	02/09/2022 10:00	02/10/2022 04:47	T
Benzidine	0.047 U	mg/Kg	0.24	0.047	1	02/09/2022 10:00	02/10/2022 04:47	T
Benzo[a]anthracene	**0.30**	mg/Kg	0.24	0.0054	1	02/09/2022 10:00	02/10/2022 04:47	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524011 **Date Collected:** 02/04/2022 13:00 **Matrix:** Soil
Sample ID: SB-39@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[a]pyrene	**0.35**	mg/Kg	0.24	0.0050	1	02/09/2022 10:00	02/10/2022 04:47	T
Benzo[b]fluoranthene	**0.50**	mg/Kg	0.24	0.0075	1	02/09/2022 10:00	02/10/2022 04:47	T
Benzo[g,h,i]perylene	**0.31**	mg/Kg	0.24	0.0044	1	02/09/2022 10:00	02/10/2022 04:47	T
Benzo[k]fluoranthene	0.0079 U	mg/Kg	0.24	0.0079	1	02/09/2022 10:00	02/10/2022 04:47	T
Butyl benzyl phthalate	0.033 U	mg/Kg	0.24	0.033	1	02/09/2022 10:00	02/10/2022 04:47	T
Chrysene	**0.26**	mg/Kg	0.24	0.0060	1	02/09/2022 10:00	02/10/2022 04:47	T
Di-n-Butyl Phthalate	0.049 U	mg/Kg	0.24	0.049	1	02/09/2022 10:00	02/10/2022 04:47	T
Di-n-octyl Phthalate	0.031 U	mg/Kg	0.24	0.031	1	02/09/2022 10:00	02/10/2022 04:47	T
Dibenzo[a,h]anthracene	**0.079 I**	mg/Kg	0.24	0.0045	1	02/09/2022 10:00	02/10/2022 04:47	T
Diethyl phthalate	0.046 U	mg/Kg	0.24	0.046	1	02/09/2022 10:00	02/10/2022 04:47	T
Dimethyl phthalate	0.044 U	mg/Kg	0.24	0.044	1	02/09/2022 10:00	02/10/2022 04:47	T
Fluoranthene	**0.52**	mg/Kg	0.24	0.057	1	02/09/2022 10:00	02/10/2022 04:47	T
Fluorene	**0.019 I**	mg/Kg	0.24	0.0052	1	02/09/2022 10:00	02/10/2022 04:47	T
Hexachlorobenzene	0.069 U	mg/Kg	0.24	0.069	1	02/09/2022 10:00	02/10/2022 04:47	T
Hexachlorobutadiene	0.039 U	mg/Kg	0.24	0.039	1	02/09/2022 10:00	02/10/2022 04:47	T
Hexachlorocyclopentadiene	0.039 U	mg/Kg	0.24	0.039	1	02/09/2022 10:00	02/10/2022 04:47	T
Hexachloroethane	0.033 U	mg/Kg	0.24	0.033	1	02/09/2022 10:00	02/10/2022 04:47	T
Indeno(1,2,3-cd)pyrene	**0.30**	mg/Kg	0.24	0.0046	1	02/09/2022 10:00	02/10/2022 04:47	T
Isophorone	0.026 U	mg/Kg	0.24	0.026	1	02/09/2022 10:00	02/10/2022 04:47	T
N-Nitrosodi-n-propylamine	0.042 U	mg/Kg	0.24	0.042	1	02/09/2022 10:00	02/10/2022 04:47	T
N-Nitrosodimethylamine	0.011 U	mg/Kg	0.24	0.011	1	02/09/2022 10:00	02/10/2022 04:47	T
N-Nitrosodiphenylamine	0.031 U	mg/Kg	0.24	0.031	1	02/09/2022 10:00	02/10/2022 04:47	T
Naphthalene	**0.023 I**	mg/Kg	0.24	0.0057	1	02/09/2022 10:00	02/10/2022 04:47	T
Nitrobenzene	0.057 U	mg/Kg	0.24	0.057	1	02/09/2022 10:00	02/10/2022 04:47	T
Pentachlorophenol	0.079 U	mg/Kg	0.24	0.079	1	02/09/2022 10:00	02/10/2022 04:47	T
Phenanthrene	**0.26**	mg/Kg	0.24	0.0067	1	02/09/2022 10:00	02/10/2022 04:47	T
Phenol	0.046 U	mg/Kg	0.24	0.046	1	02/09/2022 10:00	02/10/2022 04:47	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524011 **Date Collected:** 02/04/2022 13:00 **Matrix:** Soil
Sample ID: SB-39@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	**0.45**	mg/Kg	0.24	0.0051	1	02/09/2022 10:00	02/10/2022 04:47	T
bis(2-Chloroethoxy)methane	0.034 U	mg/Kg	0.24	0.034	1	02/09/2022 10:00	02/10/2022 04:47	T
bis(2-Chloroethyl)Ether	0.049 U	mg/Kg	0.24	0.049	1	02/09/2022 10:00	02/10/2022 04:47	T
bis(2-Chloroisopropyl) Ether	0.043 U	mg/Kg	0.24	0.043	1	02/09/2022 10:00	02/10/2022 04:47	T
bis(2-Ethylhexyl) phthalate	0.037 U	mg/Kg	0.24	0.037	1	02/09/2022 10:00	02/10/2022 04:47	T
(SM 2540G)								
Percent Moisture	**16**	%	0.001	0.0010	1	02/09/2022 10:00	02/09/2022 10:00	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1-Trichloroethane	0.00083 U	mg/Kg	0.0036	0.00083	1	02/09/2022 01:17	02/09/2022 08:09	T
1,1,2,2-Tetrachloroethane	0.00061 U	mg/Kg	0.0036	0.00061	1	02/09/2022 01:17	02/09/2022 08:09	T
1,1,2-Trichloroethane	0.00058 U	mg/Kg	0.0036	0.00058	1	02/09/2022 01:17	02/09/2022 08:09	T
1,1-Dichloroethane	0.00083 U	mg/Kg	0.0036	0.00083	1	02/09/2022 01:17	02/09/2022 08:09	T
1,1-Dichloroethylene	0.00087 U	mg/Kg	0.0036	0.00087	1	02/09/2022 01:17	02/09/2022 08:09	T
1,2-Dichlorobenzene	0.00056 U	mg/Kg	0.0036	0.00056	1	02/09/2022 01:17	02/09/2022 08:09	T
1,2-Dichloroethane	0.00093 U	mg/Kg	0.0036	0.00093	1	02/09/2022 01:17	02/09/2022 08:09	T
1,2-Dichloropropane	0.00064 U	mg/Kg	0.0036	0.00064	1	02/09/2022 01:17	02/09/2022 08:09	T
1,3-Dichlorobenzene	0.00066 U	mg/Kg	0.0036	0.00066	1	02/09/2022 01:17	02/09/2022 08:09	T
1,4-Dichlorobenzene	0.00079 U	mg/Kg	0.0036	0.00079	1	02/09/2022 01:17	02/09/2022 08:09	T
2-Chloroethyl Vinyl Ether	0.0031 U	mg/Kg	0.0036	0.0031	1	02/09/2022 01:17	02/09/2022 08:09	T
Acrolein (Propenal)	0.0074 U	mg/Kg	0.018	0.0074	1	02/09/2022 01:17	02/09/2022 08:09	T
Acrylonitrile	0.00062 U	mg/Kg	0.0036	0.00062	1	02/09/2022 01:17	02/09/2022 08:09	T
Benzene	0.00059 U	mg/Kg	0.0036	0.00059	1	02/09/2022 01:17	02/09/2022 08:09	T
Bromodichloromethane	0.00063 U	mg/Kg	0.0036	0.00063	1	02/09/2022 01:17	02/09/2022 08:09	T
Bromoform	0.0024 U	mg/Kg	0.0036	0.0024	1	02/09/2022 01:17	02/09/2022 08:09	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524011 **Date Collected:** 02/04/2022 13:00 **Matrix:** Soil
Sample ID: SB-39@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Bromomethane	0.0015 U	mg/Kg	0.0036	0.0015	1	02/09/2022 01:17	02/09/2022 08:09	T
Carbon Tetrachloride	0.0010 U	mg/Kg	0.0036	0.0010	1	02/09/2022 01:17	02/09/2022 08:09	T
Chlorobenzene	0.00053 U	mg/Kg	0.0036	0.00053	1	02/09/2022 01:17	02/09/2022 08:09	T
Chloroethane	0.0018 U	mg/Kg	0.0036	0.0018	1	02/09/2022 01:17	02/09/2022 08:09	T
Chloroform	0.00073 U	mg/Kg	0.0036	0.00073	1	02/09/2022 01:17	02/09/2022 08:09	T
Chloromethane	0.00082 U	mg/Kg	0.0036	0.00082	1	02/09/2022 01:17	02/09/2022 08:09	T
Dibromochloromethane	0.0020 U	mg/Kg	0.0036	0.0020	1	02/09/2022 01:17	02/09/2022 08:09	T
Dichlorodifluoromethane	0.0012 U	mg/Kg	0.0036	0.0012	1	02/09/2022 01:17	02/09/2022 08:09	T
Ethylbenzene	0.00042 U	mg/Kg	0.0036	0.00042	1	02/09/2022 01:17	02/09/2022 08:09	T
Methyl tert-butyl Ether (MTBE)	0.0012 U	mg/Kg	0.0036	0.0012	1	02/09/2022 01:17	02/09/2022 08:09	T
Methylene Chloride	0.0048 U	mg/Kg	0.0059	0.0048	1	02/09/2022 01:17	02/09/2022 08:09	T
Tetrachloroethylene (PCE)	0.00068 U	mg/Kg	0.0036	0.00068	1	02/09/2022 01:17	02/09/2022 08:09	T
Toluene	0.00044 U	mg/Kg	0.0036	0.00044	1	02/09/2022 01:17	02/09/2022 08:09	T
Trichloroethene	0.00088 U	mg/Kg	0.0036	0.00088	1	02/09/2022 01:17	02/09/2022 08:09	T
Trichlorofluoromethane	0.00079 U	mg/Kg	0.0036	0.00079	1	02/09/2022 01:17	02/09/2022 08:09	T
Vinyl Chloride	0.00069 U	mg/Kg	0.0036	0.00069	1	02/09/2022 01:17	02/09/2022 08:09	T
Xylene (Total)	0.0015 U	mg/Kg	0.0071	0.0015	1	02/09/2022 01:17	02/09/2022 08:09	T
cis-1,2-Dichloroethylene	0.00070 U	mg/Kg	0.0036	0.00070	1	02/09/2022 01:17	02/09/2022 08:09	T
cis-1,3-Dichloropropene	0.0025 U	mg/Kg	0.0036	0.0025	1	02/09/2022 01:17	02/09/2022 08:09	T
trans-1,2-Dichloroethylene	0.00072 U	mg/Kg	0.0036	0.00072	1	02/09/2022 01:17	02/09/2022 08:09	T
trans-1,3-Dichloropropylene	0.0022 U	mg/Kg	0.0036	0.0022	1	02/09/2022 01:17	02/09/2022 08:09	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Analysis Results Comments

p-Terphenyl-d14

J4|Estimated Result

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	50	45	90	69 - 134	T
Toluene-d8 (S)	ug/Kg	50	48	96	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	50	56	113	79 - 126	T
2-Fluorobiphenyl (S)	mg/Kg	0.39	0.46	116	37 - 127	T
Nitrobenzene-d5 (S)	mg/Kg	0.39	0.51	131	33 - 134	T
p-Terphenyl-d14 (S)	mg/Kg	0.39	0.59	**151**	42 - 141	T
Nonatricontane-C39 (S)	mg/Kg	5.90	5.20	88	36 - 132	T
o-Terphenyl (S)	mg/Kg	2	1.40	71	66 - 136	T
Decachlorobiphenyl (S)	ug/Kg	76	73	96	63 - 130	M
Tetrachloro-m-xylene (S)	ug/Kg	150	150	97	42 - 129	M
2,4,6-Tribromophenol (S)	mg/Kg	2	1.90	96	39 - 132	T
Phenol-d6 (S)	mg/Kg	2	1.60	80	33 - 122	T
2-Fluorobiphenyl (S)	mg/Kg	2	1.60	81	44 - 115	T
2-Fluorophenol (S)	mg/Kg	2	1.40	72	35 - 115	T
Nitrobenzene-d5 (S)	mg/Kg	2	1.50	78	37 - 122	T
p-Terphenyl-d14 (S)	mg/Kg	2	1.70	88	54 - 127	T
Decachlorobiphenyl (S)	ug/Kg	76	54	70	61 - 147	M
Tetrachloro-m-xylene (S)	ug/Kg	150	170	109	44 - 130	M

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524012 **Date Collected:** 02/04/2022 13:20 **Matrix:** Soil
Sample ID: SB-40@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**3.0**	mg/Kg	0.28	0.14	1	02/08/2022 15:00	02/09/2022 18:16	T
Cadmium	**0.48**	mg/Kg	0.056	0.028	1	02/08/2022 15:00	02/09/2022 18:16	T
Chromium	**7.9**	mg/Kg	0.28	0.23	1	02/08/2022 15:00	02/09/2022 18:16	T
Lead	**130**	mg/Kg	0.28	0.14	1	02/08/2022 15:00	02/09/2022 18:16	T
SEMIVOLATILES (FL-PRO)								
TPH	**27**	mg/Kg	16	5.5	1	02/10/2022 16:30	02/11/2022 17:05	T
SEMIVOLATILES (SW-846 3550B/EPA 8081)								
4,4`-DDD	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 20:15	M
4,4`-DDE	**0.0024**	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 20:15	M
4,4`-DDT	**0.0043**	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 20:15	M
Aldrin	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 20:15	M
Chlordane (technical)	0.0099 U	mg/Kg	0.033	0.0099	1	02/07/2022 07:30	02/07/2022 20:15	M
Dieldrin	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 20:15	M
Endosulfan I	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 20:15	M
Endosulfan II	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 20:15	M
Endosulfan Sulfate	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 20:15	M
Endrin	**0.0022**	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 20:15	M
Endrin Aldehyde	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 20:15	M
Heptachlor	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 20:15	M
Heptachlor Epoxide	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 20:15	M
Methoxychlor	**0.0019**	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 20:15	M
Toxaphene	0.011 U	mg/Kg	0.033	0.011	1	02/07/2022 07:30	02/07/2022 20:15	M
alpha-BHC	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 20:15	M
beta-BHC	**0.0062**	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 20:15	M
delta-BHC	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 20:15	M
gamma-BHC (Lindane)	0.0011 U	mg/Kg	0.0017	0.0011	1	02/07/2022 07:30	02/07/2022 20:15	M
SEMIVOLATILES (SW-846 3550B/SW-846 8082A)								

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524012 **Date Collected:** 02/04/2022 13:20 **Matrix:** Soil
Sample ID: SB-40@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Aroclor 1016 (PCB-1016)	0.020 U	mg/Kg	0.033	0.020	1	02/07/2022 07:30	02/07/2022 20:15	M
Aroclor 1221 (PCB-1221)	0.023 U	mg/Kg	0.033	0.023	1	02/07/2022 07:30	02/07/2022 20:15	M
Aroclor 1232 (PCB-1232)	0.032 U	mg/Kg	0.033	0.032	1	02/07/2022 07:30	02/07/2022 20:15	M
Aroclor 1242 (PCB-1242)	0.025 U	mg/Kg	0.033	0.025	1	02/07/2022 07:30	02/07/2022 20:15	M
Aroclor 1248 (PCB-1248)	0.012 U	mg/Kg	0.033	0.012	1	02/07/2022 07:30	02/07/2022 20:15	M
Aroclor 1254 (PCB-1254)	0.0067 U	mg/Kg	0.033	0.0067	1	02/07/2022 07:30	02/07/2022 20:15	M
Aroclor 1260 (PCB-1260)	0.040 U	mg/Kg	0.067	0.040	1	02/07/2022 07:30	02/07/2022 20:15	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	**0.0067 I**	mg/Kg	0.0092	0.0017	1	02/10/2022 16:30	02/11/2022 19:01	T
2-Methylnaphthalene	**0.0054 I**	mg/Kg	0.0092	0.0023	1	02/10/2022 16:30	02/11/2022 19:01	T
Acenaphthene	**0.011**	mg/Kg	0.0092	0.0017	1	02/10/2022 16:30	02/11/2022 19:01	T
Acenaphthylene	**0.081**	mg/Kg	0.0092	0.0020	1	02/10/2022 16:30	02/11/2022 19:01	T
Anthracene	**0.16**	mg/Kg	0.0092	0.0028	1	02/10/2022 16:30	02/11/2022 19:01	T
Benzo[a]anthracene	**0.38**	mg/Kg	0.0092	0.0022	1	02/10/2022 16:30	02/11/2022 19:01	T
Benzo[a]pyrene	**0.31**	mg/Kg	0.0092	0.0019	1	02/10/2022 16:30	02/11/2022 19:01	T
Benzo[b]fluoranthene	**0.47**	mg/Kg	0.0092	0.0018	1	02/10/2022 16:30	02/11/2022 19:01	T
Benzo[g,h,i]perylene	**0.29**	mg/Kg	0.0092	0.0021	1	02/10/2022 16:30	02/11/2022 19:01	T
Benzo[k]fluoranthene	**0.18**	mg/Kg	0.0092	0.0026	1	02/10/2022 16:30	02/11/2022 19:01	T
Chrysene	**0.36**	mg/Kg	0.0092	0.0033	1	02/10/2022 16:30	02/11/2022 19:01	T
Dibenzo[a,h]anthracene	**0.079**	mg/Kg	0.0092	0.0019	1	02/10/2022 16:30	02/11/2022 19:01	T
Fluoranthene	**0.68**	mg/Kg	0.0092	0.0031	1	02/10/2022 16:30	02/11/2022 19:01	T
Fluorene	**0.016**	mg/Kg	0.0092	0.0024	1	02/10/2022 16:30	02/11/2022 19:01	T
Indeno(1,2,3-cd)pyrene	**0.31**	mg/Kg	0.0092	0.0026	1	02/10/2022 16:30	02/11/2022 19:01	T
Naphthalene	**0.0031 I**	mg/Kg	0.0092	0.0019	1	02/10/2022 16:30	02/11/2022 19:01	T
Phenanthrene	**0.33**	mg/Kg	0.0092	0.0024	1	02/10/2022 16:30	02/11/2022 19:01	T
Pyrene	**0.67**	mg/Kg	0.0092	0.0026	1	02/10/2022 16:30	02/11/2022 19:01	T
SEMIVOLATILES (SW-846 3550B/SW-846 8270C)								

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524012 **Date Collected:** 02/04/2022 13:20 **Matrix:** Soil
Sample ID: SB-40@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,2,4-Trichlorobenzene	0.034 U	mg/Kg	0.23	0.034	1	02/09/2022 10:00	02/10/2022 06:00	T
1,2-Dichlorobenzene	0.047 U	mg/Kg	0.23	0.047	1	02/09/2022 10:00	02/10/2022 06:00	T
1,2-Diphenylhydrazine	0.089 U	mg/Kg	0.23	0.089	1	02/09/2022 10:00	02/10/2022 06:00	T
1,3-Dichlorobenzene	0.024 U	mg/Kg	0.23	0.024	1	02/09/2022 10:00	02/10/2022 06:00	T
1,4-Dichlorobenzene	0.052 U	mg/Kg	0.23	0.052	1	02/09/2022 10:00	02/10/2022 06:00	T
1-Methylnaphthalene	**0.016 I**	mg/Kg	0.23	0.0045	1	02/09/2022 10:00	02/10/2022 06:00	T
2,4,6-Trichlorophenol	0.043 U	mg/Kg	0.23	0.043	1	02/09/2022 10:00	02/10/2022 06:00	T
2,4-Dichlorophenol	0.049 U	mg/Kg	0.23	0.049	1	02/09/2022 10:00	02/10/2022 06:00	T
2,4-Dimethylphenol	0.049 U	mg/Kg	0.23	0.049	1	02/09/2022 10:00	02/10/2022 06:00	T
2,4-Dinitrophenol	0.14 U	mg/Kg	0.23	0.14	1	02/09/2022 10:00	02/10/2022 06:00	T
2,4-Dinitrotoluene (2,4-DNT)	0.073 U	mg/Kg	0.23	0.073	1	02/09/2022 10:00	02/10/2022 06:00	T
2,6-Dinitrotoluene (2,6-DNT)	0.058 U	mg/Kg	0.23	0.058	1	02/09/2022 10:00	02/10/2022 06:00	T
2-Chloronaphthalene	0.045 U	mg/Kg	0.23	0.045	1	02/09/2022 10:00	02/10/2022 06:00	T
2-Chlorophenol	0.041 U	mg/Kg	0.23	0.041	1	02/09/2022 10:00	02/10/2022 06:00	T
2-Methyl-4,6-dinitrophenol	0.052 U	mg/Kg	0.23	0.052	1	02/09/2022 10:00	02/10/2022 06:00	T
2-Methylnaphthalene	**0.016 I**	mg/Kg	0.23	0.0055	1	02/09/2022 10:00	02/10/2022 06:00	T
2-Nitrophenol	0.051 U	mg/Kg	0.23	0.051	1	02/09/2022 10:00	02/10/2022 06:00	T
3,3`-Dichlorobenzidine	0.032 U	mg/Kg	0.23	0.032	1	02/09/2022 10:00	02/10/2022 06:00	T
4-Bromophenyl Phenyl Ether	0.059 U	mg/Kg	0.23	0.059	1	02/09/2022 10:00	02/10/2022 06:00	T
4-Chloro-3-methylphenol	0.049 U	mg/Kg	0.23	0.049	1	02/09/2022 10:00	02/10/2022 06:00	T
4-Chlorophenyl Phenyl Ether	0.051 U	mg/Kg	0.23	0.051	1	02/09/2022 10:00	02/10/2022 06:00	T
4-Nitrophenol	0.065 U	mg/Kg	0.23	0.065	1	02/09/2022 10:00	02/10/2022 06:00	T
Acenaphthene	**0.0064 I**	mg/Kg	0.23	0.0053	1	02/09/2022 10:00	02/10/2022 06:00	T
Acenaphthylene	**0.13 I**	mg/Kg	0.23	0.0059	1	02/09/2022 10:00	02/10/2022 06:00	T
Anthracene	**0.12 I**	mg/Kg	0.23	0.0058	1	02/09/2022 10:00	02/10/2022 06:00	T
Benzidine	0.046 U	mg/Kg	0.23	0.046	1	02/09/2022 10:00	02/10/2022 06:00	T
Benzo[a]anthracene	**0.42**	mg/Kg	0.23	0.0053	1	02/09/2022 10:00	02/10/2022 06:00	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524012 **Date Collected:** 02/04/2022 13:20 **Matrix:** Soil
Sample ID: SB-40@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Benzo[a]pyrene	**0.47**	mg/Kg	0.23	0.0050	1	02/09/2022 10:00	02/10/2022 06:00	T
Benzo[b]fluoranthene	**0.71**	mg/Kg	0.23	0.0074	1	02/09/2022 10:00	02/10/2022 06:00	T
Benzo[g,h,i]perylene	**0.40**	mg/Kg	0.23	0.0043	1	02/09/2022 10:00	02/10/2022 06:00	T
Benzo[k]fluoranthene	0.0077 U	mg/Kg	0.23	0.0077	1	02/09/2022 10:00	02/10/2022 06:00	T
Butyl benzyl phthalate	0.032 U	mg/Kg	0.23	0.032	1	02/09/2022 10:00	02/10/2022 06:00	T
Chrysene	**0.38**	mg/Kg	0.23	0.0059	1	02/09/2022 10:00	02/10/2022 06:00	T
Di-n-Butyl Phthalate	0.048 U	mg/Kg	0.23	0.048	1	02/09/2022 10:00	02/10/2022 06:00	T
Di-n-octyl Phthalate	0.030 U	mg/Kg	0.23	0.030	1	02/09/2022 10:00	02/10/2022 06:00	T
Dibenzo[a,h]anthracene	**0.11 I**	mg/Kg	0.23	0.0044	1	02/09/2022 10:00	02/10/2022 06:00	T
Diethyl phthalate	0.045 U	mg/Kg	0.23	0.045	1	02/09/2022 10:00	02/10/2022 06:00	T
Dimethyl phthalate	0.043 U	mg/Kg	0.23	0.043	1	02/09/2022 10:00	02/10/2022 06:00	T
Fluoranthene	**0.57**	mg/Kg	0.23	0.056	1	02/09/2022 10:00	02/10/2022 06:00	T
Fluorene	**0.015 I**	mg/Kg	0.23	0.0051	1	02/09/2022 10:00	02/10/2022 06:00	T
Hexachlorobenzene	0.068 U	mg/Kg	0.23	0.068	1	02/09/2022 10:00	02/10/2022 06:00	T
Hexachlorobutadiene	0.038 U	mg/Kg	0.23	0.038	1	02/09/2022 10:00	02/10/2022 06:00	T
Hexachlorocyclopentadiene	0.039 U	mg/Kg	0.23	0.039	1	02/09/2022 10:00	02/10/2022 06:00	T
Hexachloroethane	0.032 U	mg/Kg	0.23	0.032	1	02/09/2022 10:00	02/10/2022 06:00	T
Indeno(1,2,3-cd)pyrene	**0.40**	mg/Kg	0.23	0.0046	1	02/09/2022 10:00	02/10/2022 06:00	T
Isophorone	0.026 U	mg/Kg	0.23	0.026	1	02/09/2022 10:00	02/10/2022 06:00	T
N-Nitrosodi-n-propylamine	0.041 U	mg/Kg	0.23	0.041	1	02/09/2022 10:00	02/10/2022 06:00	T
N-Nitrosodimethylamine	0.010 U	mg/Kg	0.23	0.010	1	02/09/2022 10:00	02/10/2022 06:00	T
N-Nitrosodiphenylamine	0.030 U	mg/Kg	0.23	0.030	1	02/09/2022 10:00	02/10/2022 06:00	T
Naphthalene	**0.013 I**	mg/Kg	0.23	0.0056	1	02/09/2022 10:00	02/10/2022 06:00	T
Nitrobenzene	0.056 U	mg/Kg	0.23	0.056	1	02/09/2022 10:00	02/10/2022 06:00	T
Pentachlorophenol	0.077 U	mg/Kg	0.23	0.077	1	02/09/2022 10:00	02/10/2022 06:00	T
Phenanthrene	**0.19 I**	mg/Kg	0.23	0.0066	1	02/09/2022 10:00	02/10/2022 06:00	T
Phenol	0.046 U	mg/Kg	0.23	0.046	1	02/09/2022 10:00	02/10/2022 06:00	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524012 **Date Collected:** 02/04/2022 13:20 **Matrix:** Soil
Sample ID: SB-40@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	**0.60**	mg/Kg	0.23	0.0050	1	02/09/2022 10:00	02/10/2022 06:00	T
bis(2-Chloroethoxy)methane	0.034 U	mg/Kg	0.23	0.034	1	02/09/2022 10:00	02/10/2022 06:00	T
bis(2-Chloroethyl)Ether	0.048 U	mg/Kg	0.23	0.048	1	02/09/2022 10:00	02/10/2022 06:00	T
bis(2-Chloroisopropyl) Ether	0.042 U	mg/Kg	0.23	0.042	1	02/09/2022 10:00	02/10/2022 06:00	T
bis(2-Ethylhexyl) phthalate	**0.088 I**	mg/Kg	0.23	0.036	1	02/09/2022 10:00	02/10/2022 06:00	T
(SM 2540G)								
Percent Moisture	**14**	%	0.001	0.0010	1	02/09/2022 10:00	02/09/2022 10:00	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1-Trichloroethane	0.00081 U	mg/Kg	0.0035	0.00081	1	02/09/2022 01:17	02/09/2022 08:36	T
1,1,2,2-Tetrachloroethane	0.00060 U	mg/Kg	0.0035	0.00060	1	02/09/2022 01:17	02/09/2022 08:36	T
1,1,2-Trichloroethane	0.00057 U	mg/Kg	0.0035	0.00057	1	02/09/2022 01:17	02/09/2022 08:36	T
1,1-Dichloroethane	0.00082 U	mg/Kg	0.0035	0.00082	1	02/09/2022 01:17	02/09/2022 08:36	T
1,1-Dichloroethylene	0.00086 U	mg/Kg	0.0035	0.00086	1	02/09/2022 01:17	02/09/2022 08:36	T
1,2-Dichlorobenzene	0.00055 U	mg/Kg	0.0035	0.00055	1	02/09/2022 01:17	02/09/2022 08:36	T
1,2-Dichloroethane	0.00091 U	mg/Kg	0.0035	0.00091	1	02/09/2022 01:17	02/09/2022 08:36	T
1,2-Dichloropropane	0.00063 U	mg/Kg	0.0035	0.00063	1	02/09/2022 01:17	02/09/2022 08:36	T
1,3-Dichlorobenzene	0.00065 U	mg/Kg	0.0035	0.00065	1	02/09/2022 01:17	02/09/2022 08:36	T
1,4-Dichlorobenzene	0.00077 U	mg/Kg	0.0035	0.00077	1	02/09/2022 01:17	02/09/2022 08:36	T
2-Chloroethyl Vinyl Ether	0.0030 U	mg/Kg	0.0035	0.0030	1	02/09/2022 01:17	02/09/2022 08:36	T
Acrolein (Propenal)	0.0073 U	mg/Kg	0.018	0.0073	1	02/09/2022 01:17	02/09/2022 08:36	T
Acrylonitrile	0.00061 U	mg/Kg	0.0035	0.00061	1	02/09/2022 01:17	02/09/2022 08:36	T
Benzene	0.00058 U	mg/Kg	0.0035	0.00058	1	02/09/2022 01:17	02/09/2022 08:36	T
Bromodichloromethane	0.00062 U	mg/Kg	0.0035	0.00062	1	02/09/2022 01:17	02/09/2022 08:36	T
Bromoform	0.0023 U	mg/Kg	0.0035	0.0023	1	02/09/2022 01:17	02/09/2022 08:36	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524012 **Date Collected:** 02/04/2022 13:20 **Matrix:** Soil
Sample ID: SB-40@0-6" **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Bromomethane	0.0015 U	mg/Kg	0.0035	0.0015	1	02/09/2022 01:17	02/09/2022 08:36	T
Carbon Tetrachloride	0.00099 U	mg/Kg	0.0035	0.00099	1	02/09/2022 01:17	02/09/2022 08:36	T
Chlorobenzene	0.00052 U	mg/Kg	0.0035	0.00052	1	02/09/2022 01:17	02/09/2022 08:36	T
Chloroethane	0.0017 U	mg/Kg	0.0035	0.0017	1	02/09/2022 01:17	02/09/2022 08:36	T
Chloroform	0.00071 U	mg/Kg	0.0035	0.00071	1	02/09/2022 01:17	02/09/2022 08:36	T
Chloromethane	0.00080 U	mg/Kg	0.0035	0.00080	1	02/09/2022 01:17	02/09/2022 08:36	T
Dibromochloromethane	0.0020 U	mg/Kg	0.0035	0.0020	1	02/09/2022 01:17	02/09/2022 08:36	T
Dichlorodifluoromethane	0.0012 U	mg/Kg	0.0035	0.0012	1	02/09/2022 01:17	02/09/2022 08:36	T
Ethylbenzene	0.00042 U	mg/Kg	0.0035	0.00042	1	02/09/2022 01:17	02/09/2022 08:36	T
Methyl tert-butyl Ether (MTBE)	0.0012 U	mg/Kg	0.0035	0.0012	1	02/09/2022 01:17	02/09/2022 08:36	T
Methylene Chloride	0.0047 U	mg/Kg	0.0058	0.0047	1	02/09/2022 01:17	02/09/2022 08:36	T
Tetrachloroethylene (PCE)	0.00067 U	mg/Kg	0.0035	0.00067	1	02/09/2022 01:17	02/09/2022 08:36	T
Toluene	0.00043 U	mg/Kg	0.0035	0.00043	1	02/09/2022 01:17	02/09/2022 08:36	T
Trichloroethene	0.00086 U	mg/Kg	0.0035	0.00086	1	02/09/2022 01:17	02/09/2022 08:36	T
Trichlorofluoromethane	0.00077 U	mg/Kg	0.0035	0.00077	1	02/09/2022 01:17	02/09/2022 08:36	T
Vinyl Chloride	0.00067 U	mg/Kg	0.0035	0.00067	1	02/09/2022 01:17	02/09/2022 08:36	T
Xylene (Total)	0.0015 U	mg/Kg	0.0070	0.0015	1	02/09/2022 01:17	02/09/2022 08:36	T
cis-1,2-Dichloroethylene	0.00069 U	mg/Kg	0.0035	0.00069	1	02/09/2022 01:17	02/09/2022 08:36	T
cis-1,3-Dichloropropene	0.0025 U	mg/Kg	0.0035	0.0025	1	02/09/2022 01:17	02/09/2022 08:36	T
trans-1,2-Dichloroethylene	0.00071 U	mg/Kg	0.0035	0.00071	1	02/09/2022 01:17	02/09/2022 08:36	T
trans-1,3-Dichloropropylene	0.0021 U	mg/Kg	0.0035	0.0021	1	02/09/2022 01:17	02/09/2022 08:36	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Analysis Results Comments

Decachlorobiphenyl

J4|Estimated Result

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	50	46	91	69 - 134	T
Toluene-d8 (S)	ug/Kg	50	48	95	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	50	55	111	79 - 126	T
2-Fluorobiphenyl (S)	mg/Kg	0.39	0.23	58	37 - 127	T
Nitrobenzene-d5 (S)	mg/Kg	0.39	0.26	65	33 - 134	T
p-Terphenyl-d14 (S)	mg/Kg	0.39	0.33	84	42 - 141	T
Nonatricontane-C39 (S)	mg/Kg	5.90	5.10	86	36 - 132	T
o-Terphenyl (S)	mg/Kg	2	1.40	69	66 - 136	T
Decachlorobiphenyl (S)	ug/Kg	72	37	**52**	63 - 130	M
Tetrachloro-m-xylene (S)	ug/Kg	140	97	68	42 - 129	M
2,4,6-Tribromophenol (S)	mg/Kg	2	1.90	97	39 - 132	T
Phenol-d6 (S)	mg/Kg	2	1.60	82	33 - 122	T
2-Fluorobiphenyl (S)	mg/Kg	2	1.60	79	44 - 115	T
2-Fluorophenol (S)	mg/Kg	2	1.50	75	35 - 115	T
Nitrobenzene-d5 (S)	mg/Kg	2	1.60	82	37 - 122	T
p-Terphenyl-d14 (S)	mg/Kg	2	1.80	90	54 - 127	T
Decachlorobiphenyl (S)	ug/Kg	72	37	**52**	61 - 147	M
Tetrachloro-m-xylene (S)	ug/Kg	140	97	68	44 - 130	M

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524013 **Date Collected:** 02/04/2022 08:45 **Matrix:** Soil
Sample ID: RS-1 **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**0.48**	mg/Kg	0.25	0.12	1	02/08/2022 11:00	02/08/2022 20:03	T
(SM 2540G)								
Percent Moisture	0.0010 U	%	0.001	0.0010	1	02/07/2022 10:00	02/07/2022 10:00	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524014 **Date Collected:** 02/04/2022 08:50 **Matrix:** Soil
Sample ID: RS-2 **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**0.93**	mg/Kg	0.24	0.12	1	02/08/2022 15:00	02/09/2022 14:58	T
(SM 2540G)								
Percent Moisture	0.0010 U	%	0.001	0.0010	1	02/07/2022 10:00	02/07/2022 10:00	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524015 **Date Collected:** 02/04/2022 08:55 **Matrix:** Soil
Sample ID: RS-3 **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**0.14 I**	mg/Kg	0.24	0.12	1	02/08/2022 15:00	02/09/2022 15:01	T
(SM 2540G)								
Percent Moisture	0.0010 U	%	0.001	0.0010	1	02/07/2022 10:00	02/07/2022 10:00	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524016 **Date Collected:** 02/04/2022 09:05 **Matrix:** Soil
Sample ID: RS-4 **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**3.2**	mg/Kg	1.2	0.62	5	02/08/2022 15:00	02/09/2022 19:47	T
(SM 2540G)								
Percent Moisture	0.0010 U	%	0.001	0.0010	1	02/07/2022 10:00	02/07/2022 10:00	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524017 **Date Collected:** 02/04/2022 09:10 **Matrix:** Soil
Sample ID: RS-5 **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**3.6**	mg/Kg	1.3	0.65	5	02/08/2022 15:00	02/09/2022 19:50	T
(SM 2540G)								
Percent Moisture	0.0010 U	%	0.001	0.0010	1	02/07/2022 10:00	02/07/2022 10:00	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524018 **Date Collected:** 02/04/2022 09:15 **Matrix:** Soil
Sample ID: RS-6 **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**5.8**	mg/Kg	0.26	0.13	1	02/08/2022 15:00	02/09/2022 15:09	T
(SM 2540G)								
Percent Moisture	0.0010 U	%	0.001	0.0010	1	02/07/2022 10:00	02/07/2022 10:00	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524019 **Date Collected:** 02/04/2022 09:25 **Matrix:** Soil
Sample ID: RS-7 **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**4.2**	mg/Kg	0.26	0.13	1	02/08/2022 11:00	02/08/2022 20:06	T
(SM 2540G)								
Percent Moisture	0.0010 U	%	0.001	0.0010	1	02/07/2022 10:00	02/07/2022 10:00	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524020 **Date Collected:** 02/04/2022 09:35 **Matrix:** Soil
Sample ID: RS-8 **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**0.38**	mg/Kg	0.24	0.12	1	02/08/2022 11:00	02/08/2022 20:09	T
(SM 2540G)								
Percent Moisture	0.0010 U	%	0.001	0.0010	1	02/07/2022 10:00	02/07/2022 10:00	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524021 **Date Collected:** 02/04/2022 09:40 **Matrix:** Soil
Sample ID: RS-9 **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**0.29**	mg/Kg	0.24	0.12	1	02/08/2022 11:00	02/08/2022 20:17	T
(SM 2540G)								
Percent Moisture	0.0010 U	%	0.001	0.0010	1	02/07/2022 10:00	02/07/2022 10:00	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Analytical Results

Lab ID: T2202524022 **Date Collected:** 02/04/2022 09:45 **Matrix:** Soil
Sample ID: RS-10 **Date Received:** 02/04/2022 14:20

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	**0.64**	mg/Kg	0.26	0.13	1	02/08/2022 11:00	02/08/2022 20:20	T
(SM 2540G)								
Percent Moisture	0.0010 U	%	0.001	0.0010	1	02/07/2022 10:00	02/07/2022 10:00	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

QC Results

QC Batch: GCSm/1896 **Analysis Method:** EPA 8081
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202524001, T2202524002, T2202524003, T2202524004, T2202524005, T2202524006, T2202524007, T2202524008, T2202524009, T2202524010, T2202524011, T2202524012

Method Blank(4194826)

Parameter	Results	Units	PQL	MDL	Lab
alpha-BHC	0.0010 U	mg/Kg	0.0016	0.0010	M
gamma-BHC (Lindane)	0.0010 U	mg/Kg	0.0016	0.0010	M
beta-BHC	0.0010 U	mg/Kg	0.0016	0.0010	M
delta-BHC	0.0010 U	mg/Kg	0.0016	0.0010	M
Heptachlor	0.0010 U	mg/Kg	0.0016	0.0010	M
Aldrin	0.0010 U	mg/Kg	0.0016	0.0010	M
Heptachlor Epoxide	0.0010 U	mg/Kg	0.0016	0.0010	M
Endosulfan I	0.0010 U	mg/Kg	0.0016	0.0010	M
4,4`-DDE	0.0010 U	mg/Kg	0.0016	0.0010	M
Dieldrin	0.0010 U	mg/Kg	0.0016	0.0010	M
Endrin	0.0010 U	mg/Kg	0.0016	0.0010	M
4,4`-DDD	0.0010 U	mg/Kg	0.0016	0.0010	M
Endosulfan II	0.0010 U	mg/Kg	0.0016	0.0010	M
Endrin Aldehyde	0.0010 U	mg/Kg	0.0016	0.0010	M
4,4`-DDT	0.0010 U	mg/Kg	0.0016	0.0010	M
Endosulfan Sulfate	0.0010 U	mg/Kg	0.0016	0.0010	M
Methoxychlor	0.0010 U	mg/Kg	0.0016	0.0010	M
Chlordane (technical)	0.0094 U	mg/Kg	0.032	0.0094	M
Toxaphene	0.010 U	mg/Kg	0.032	0.010	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0790	0.05	**59**	63 - 130	
Tetrachloro-m-xylene (S)	mg/L	0.16	0.13	81	42 - 129	

Lab Control Sample (4194827)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
alpha-BHC	mg/Kg	0.0150	.01	90	45 - 137	M
gamma-BHC (Lindane)	mg/Kg	0.0150	.01	88	49 - 135	M
beta-BHC	mg/Kg	0.0150	.01	89	50 - 136	M
delta-BHC	mg/Kg	0.0150	.01	85	47 - 139	M

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

QC Batch: GCSm/1896 **Analysis Method:** EPA 8081
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202524001, T2202524002, T2202524003, T2202524004, T2202524005, T2202524006, T2202524007, T2202524008, T2202524009, T2202524010, T2202524011, T2202524012

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Heptachlor	mg/Kg	0.0150	.02	97	47 - 136	M
Aldrin	mg/Kg	0.0150	.02	96	45 - 136	M
Heptachlor Epoxide	mg/Kg	0.0150	.02	97	52 - 136	M
Endosulfan I	mg/Kg	0.0150	.02	96	53 - 132	M
4,4`-DDE	mg/Kg	0.0150	.01	80	56 - 134	M
Dieldrin	mg/Kg	0.0150	.01	93	56 - 136	M
Endrin	mg/Kg	0.0150	.01	70	57 - 140	M
4,4`-DDD	mg/Kg	0.0150	.01	85	56 - 139	M
Endosulfan II	mg/Kg	0.0150	.01	84	53 - 134	M
Endrin Aldehyde	mg/Kg	0.0150	.01	77	35 - 137	M
4,4`-DDT	mg/Kg	0.0150	.01	76	50 - 141	M
Endosulfan Sulfate	mg/Kg	0.0150	.01	84	55 - 136	M
Methoxychlor	mg/Kg	0.0150	.01	83	52 - 143	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0770	0.06	83	63 - 130	
Tetrachloro-m-xylene (S)	mg/L	0.15	0.12	78	42 - 129	

Matrix Spike (4194828); Matrix Spike Duplicate (4194829); Parent Lab Sample (T2202524001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
alpha-BHC	mg/Kg	0.0160	.01	84	45 - 137	.01	83	3	30	M
gamma-BHC (Lindane)	mg/Kg	0.0160	.01	79	49 - 135	.01	79	2	30	M
beta-BHC	mg/Kg	0.0160	.02	104	50 - 136	.02	102	4	30	M
delta-BHC	mg/Kg	0.0160	.01	**35**	47 - 139	0	**24**	**39**	30	M
Heptachlor	mg/Kg	0.0160	.01	92	47 - 136	.01	94	0	30	M
Aldrin	mg/Kg	0.0160	.02	98	45 - 136	.02	97	4	30	M
Heptachlor Epoxide	mg/Kg	0.0160	.01	91	52 - 136	.01	92	2	30	M
Endosulfan I	mg/Kg	0.0160	.02	106	53 - 132	.02	105	3	30	M
4,4`-DDE	mg/Kg	0.0160	.02	64	56 - 134	.02	63	3	30	M
Dieldrin	mg/Kg	0.0160	.02	88	56 - 136	.02	89	1	30	M
Endrin	mg/Kg	0.0160	.02	82	57 - 140	.02	81	4	30	M
4,4`-DDD	mg/Kg	0.0160	.02	114	56 - 139	.02	114	2	30	M
Endosulfan II	mg/Kg	0.0160	.01	91	53 - 134	.01	90	3	30	M
Endrin Aldehyde	mg/Kg	0.0160	.01	72	35 - 137	.01	71	4	30	M

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

QC Batch: GCSm/1896 **Analysis Method:** EPA 8081
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202524001, T2202524002, T2202524003, T2202524004, T2202524005, T2202524006, T2202524007, T2202524008, T2202524009, T2202524010, T2202524011, T2202524012

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
4,4`-DDT	mg/Kg	0.0160	.01	**0**	50 - 141	.01	**-4**	4	30	M
Endosulfan Sulfate	mg/Kg	0.0160	.01	76	55 - 136	.01	73	7	30	M
Methoxychlor	mg/Kg	0.0160	.02	99	52 - 143	.01	86	17	30	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Decachlorobiphenyl (S)	mg/L	0.0790	0.06	77	63 - 130	0.05	69	14		
Tetrachloro-m-xylene (S)	mg/L	0.16	0.20	125	42 - 129	0.19	122	5		

QC Result Comments

Matrix Spike - 4194828 - 4,4`-DDT

J4|Estimated Result

Matrix Spike - 4194828 - delta-BHC

J4|Estimated Result

Matrix Spike Duplicate - 4194829 - 4,4`-DDT

J4|Estimated Result

Matrix Spike Duplicate - 4194829 - delta-BHC

J4|Estimated Result

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

QC Results

QC Batch: GCSm/1897 **Analysis Method:** SW-846 8082A
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202524001, T2202524002, T2202524003, T2202524004, T2202524005, T2202524006, T2202524007, T2202524008, T2202524009, T2202524010, T2202524011, T2202524012

Method Blank(4194845)

Parameter	Results	Units	PQL	MDL	Lab
Aroclor 1016 (PCB-1016)	0.019 U	mg/Kg	0.032	0.019	M
Aroclor 1221 (PCB-1221)	0.022 U	mg/Kg	0.032	0.022	M
Aroclor 1232 (PCB-1232)	0.030 U	mg/Kg	0.032	0.030	M
Aroclor 1242 (PCB-1242)	0.024 U	mg/Kg	0.032	0.024	M
Aroclor 1248 (PCB-1248)	0.011 U	mg/Kg	0.032	0.011	M
Aroclor 1254 (PCB-1254)	0.0064 U	mg/Kg	0.032	0.0064	M
Aroclor 1260 (PCB-1260)	0.038 U	mg/Kg	0.064	0.038	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0790	0.05	**59**	61 - 147	
Tetrachloro-m-xylene (S)	mg/L	0.16	0.13	81	44 - 130	

Lab Control Sample (4194846)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Aroclor 1016 (PCB-1016)	mg/Kg	0.15	.17	109	47 - 134	M
Aroclor 1260 (PCB-1260)	mg/Kg	0.15	.19	122	53 - 140	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0770	0.06	81	61 - 147	
Tetrachloro-m-xylene (S)	mg/L	0.15	0.18	117	44 - 130	

Matrix Spike (4194847); Matrix Spike Duplicate (4194848); Parent Lab Sample (T2202524001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Aroclor 1016 (PCB-1016)	mg/Kg	0.16	.19	118	47 - 134	.17	108	11		M
Aroclor 1260 (PCB-1260)	mg/Kg	0.16	.21	136	53 - 140	.13	87	47		M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Decachlorobiphenyl (S)	mg/L	0.0790	0.06	72	61 - 147	0.04	54	31		
Tetrachloro-m-xylene (S)	mg/L	0.16	0.19	118	44 - 130	0.12	79	42		

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

QC Results

QC Batch: GCSt/2039 **Analysis Method:** FL-PRO
Preparation Method: FL-PRO
Associated Lab IDs: T2202524001, T2202524002, T2202524003, T2202524004, T2202524005, T2202524006

Method Blank(4195774)

Parameter	Results	Units	PQL	MDL	Lab
TPH	4.8 U	mg/Kg	14	4.8	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Nonatricontane-C39 (S)	mg/L	6	4.30	72	36 - 132	
o-Terphenyl (S)	mg/L	2	1.60	82	66 - 136	

Lab Control Sample (4195775)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
TPH	mg/Kg	34	30	88	49 - 128	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Nonatricontane-C39 (S)	mg/L	6	5.20	87	36 - 132	
o-Terphenyl (S)	mg/L	2	1.60	82	66 - 136	

Matrix Spike (4195776); Matrix Spike Duplicate (4195777); Parent Lab Sample (T2202524001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
TPH	mg/Kg	34	40	60	49 - 128	51	92	24	25	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	6	5.10	86	36 - 132	5.80	97	12	25	
o-Terphenyl (S)	mg/L	2	1.40	70	66 - 136	1.60	78	10	25	

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

QC Results

QC Batch: GCSt/2049 **Analysis Method:** FL-PRO
Preparation Method: FL-PRO
Associated Lab IDs: T2202524007, T2202524008, T2202524009, T2202524010, T2202524011, T2202524012

Method Blank(4201301)

Parameter	Results	Units	PQL	MDL	Lab
TPH	4.8 U	mg/Kg	14	4.8	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Nonatricontane-C39 (S)	mg/L	6	5.10	86	36 - 132	
o-Terphenyl (S)	mg/L	2	1.40	68	66 - 136	

Lab Control Sample (4201302)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
TPH	mg/Kg	34	24	72	49 - 128	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Nonatricontane-C39 (S)	mg/L	6	5.50	92	36 - 132	
o-Terphenyl (S)	mg/L	2	1.50	74	66 - 136	

Matrix Spike (4201303); Matrix Spike Duplicate (4201304); Parent Lab Sample (T2202524009)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
TPH	mg/Kg	34	140	**145**	49 - 128	160	**196**	11	25	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	6	5.10	86	36 - 132	5.30	89	3	25	
o-Terphenyl (S)	mg/L	2	1.40	70	66 - 136	1.50	74	6	25	

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

QC Results

QC Batch: ICPt/2338 **Analysis Method:** SW-846 6010
Preparation Method: SW-846 3050B
Associated Lab IDs: T2202524013, T2202524019, T2202524020, T2202524021, T2202524022

Method Blank(4197462)

Parameter	Results	Units	PQL	MDL	Lab
Arsenic	0.12 U	mg/Kg	0.25	0.12	T

Lab Control Sample (4197463)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Arsenic	mg/Kg	25	24	94	80 - 120	T

Matrix Spike (4197464); Matrix Spike Duplicate (4197465); Parent Lab Sample (T2202342002)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Arsenic	mg/Kg	26	26	78	75 - 125	24	**73**	8	20	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

QC Results

QC Batch: ICPt/2339 **Analysis Method:** SW-846 6010
Preparation Method: SW-846 3050B
Associated Lab IDs: T2202524014, T2202524015, T2202524016, T2202524017, T2202524018

Method Blank(4197966)

Parameter	Results	Units	PQL	MDL	Lab
Arsenic	0.12 U	mg/Kg	0.25	0.12	T

Lab Control Sample (4197967)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Arsenic	mg/Kg	25	26	103	80 - 120	T

Matrix Spike (4197968); Matrix Spike Duplicate (4197969); Parent Lab Sample (T2202477004)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Arsenic	mg/Kg	25	26	100	75 - 125	25	100	2	20	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

QC Results

QC Batch: ICPt/2340
Preparation Method: SW-846 3050B
Associated Lab IDs: T2202524001, T2202524002, T2202524003
Analysis Method: SW-846 6010

Method Blank(4197972)

Parameter	Results	Units	PQL	MDL	Lab
Arsenic	0.12 U	mg/Kg	0.25	0.12	T
Cadmium	0.025 U	mg/Kg	0.050	0.025	T
Chromium	0.20 U	mg/Kg	0.25	0.20	T
Lead	0.12 U	mg/Kg	0.25	0.12	T

Lab Control Sample (4197973)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Arsenic	mg/Kg	25	25	100	80 - 120	T
Cadmium	mg/Kg	2.50	2.8	111	80 - 120	T
Chromium	mg/Kg	25	28	111	80 - 120	T
Lead	mg/Kg	25	27	109	80 - 120	T

Matrix Spike (4197974); Matrix Spike Duplicate (4197975); Parent Lab Sample (T2202477005)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Arsenic	mg/Kg	26	24	93	75 - 125	23	92	6	20	T
Cadmium	mg/Kg	2.60	2.8	109	75 - 125	2.6	109	6	20	T
Chromium	mg/Kg	26	27	105	75 - 125	26	105	6	20	T
Lead	mg/Kg	26	26	104	75 - 125	25	104	5	20	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

QC Results

QC Batch: ICPt/2341 **Analysis Method:** SW-846 6010
Preparation Method: SW-846 3050B
Associated Lab IDs: T2202524004, T2202524005, T2202524006, T2202524007, T2202524008, T2202524009, T2202524010, T2202524011, T2202524012

Method Blank(4197988)

Parameter	Results	Units	PQL	MDL	Lab
Arsenic	0.12 U	mg/Kg	0.25	0.12	T
Cadmium	0.025 U	mg/Kg	0.050	0.025	T
Chromium	0.20 U	mg/Kg	0.25	0.20	T
Lead	0.12 U	mg/Kg	0.25	0.12	T

Lab Control Sample (4197989)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Arsenic	mg/Kg	25	25	99	80 - 120	T
Cadmium	mg/Kg	2.50	2.8	110	80 - 120	T
Chromium	mg/Kg	25	28	110	80 - 120	T
Lead	mg/Kg	25	27	109	80 - 120	T

Matrix Spike (4197990); Matrix Spike Duplicate (4197991); Parent Lab Sample (T2202524004)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Arsenic	mg/Kg	25	22	90	75 - 125	21	89	3	20	T
Cadmium	mg/Kg	2.50	2.7	109	75 - 125	2.6	108	4	20	T
Chromium	mg/Kg	25	28	105	75 - 125	27	103	4	20	T
Lead	mg/Kg	25	43	113	75 - 125	42	110	4	20	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

QC Results

QC Batch: MSSt/1671 **Analysis Method:** SW-846 8270C (SIM)
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202524001, T2202524002, T2202524003, T2202524004, T2202524005, T2202524006

Method Blank(4195752)

Parameter	Results	Units	PQL	MDL	Lab
Naphthalene	0.0016 U	mg/Kg	0.0080	0.0016	T
2-Methylnaphthalene	0.0020 U	mg/Kg	0.0080	0.0020	T
1-Methylnaphthalene	0.0015 U	mg/Kg	0.0080	0.0015	T
Acenaphthylene	0.0017 U	mg/Kg	0.0080	0.0017	T
Acenaphthene	0.0015 U	mg/Kg	0.0080	0.0015	T
Fluorene	0.0021 U	mg/Kg	0.0080	0.0021	T
Phenanthrene	0.0021 U	mg/Kg	0.0080	0.0021	T
Anthracene	0.0024 U	mg/Kg	0.0080	0.0024	T
Fluoranthene	0.0027 U	mg/Kg	0.0080	0.0027	T
Pyrene	0.0023 U	mg/Kg	0.0080	0.0023	T
Benzo[a]anthracene	0.0019 U	mg/Kg	0.0080	0.0019	T
Chrysene	0.0028 U	mg/Kg	0.0080	0.0028	T
Benzo[b]fluoranthene	0.0015 U	mg/Kg	0.0080	0.0015	T
Benzo[k]fluoranthene	0.0023 U	mg/Kg	0.0080	0.0023	T
Benzo[a]pyrene	0.0016 U	mg/Kg	0.0080	0.0016	T
Indeno(1,2,3-cd)pyrene	0.0023 U	mg/Kg	0.0080	0.0023	T
Dibenzo[a,h]anthracene	0.0016 U	mg/Kg	0.0080	0.0016	T
Benzo[g,h,i]perylene	0.0019 U	mg/Kg	0.0080	0.0019	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2-Fluorobiphenyl (S)	mg/L	0.40	0.36	89	37 - 127	
Nitrobenzene-d5 (S)	mg/L	0.40	0.46	115	33 - 134	
p-Terphenyl-d14 (S)	mg/L	0.40	0.44	109	42 - 141	

Lab Control Sample (4195753)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Naphthalene	mg/Kg	0.20	.16	81	38 - 120	T
2-Methylnaphthalene	mg/Kg	0.20	.19	94	39 - 120	T
1-Methylnaphthalene	mg/Kg	0.20	.18	90	43 - 120	T
Acenaphthylene	mg/Kg	0.20	.17	84	39 - 118	T
Acenaphthene	mg/Kg	0.20	.19	96	44 - 117	T
Fluorene	mg/Kg	0.20	.18	88	47 - 121	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

QC Batch: MSSt/1671 **Analysis Method:** SW-846 8270C (SIM)
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202524001, T2202524002, T2202524003, T2202524004, T2202524005, T2202524006

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Phenanthrene	mg/Kg	0.20	.19	97	49 - 122	T
Anthracene	mg/Kg	0.20	.21	105	50 - 123	T
Fluoranthene	mg/Kg	0.20	.19	93	51 - 126	T
Pyrene	mg/Kg	0.20	.21	107	51 - 127	T
Benzo[a]anthracene	mg/Kg	0.20	.2	98	52 - 126	T
Chrysene	mg/Kg	0.20	.21	104	52 - 128	T
Benzo[b]fluoranthene	mg/Kg	0.20	.19	93	43 - 132	T
Benzo[k]fluoranthene	mg/Kg	0.20	.2	100	46 - 133	T
Benzo[a]pyrene	mg/Kg	0.20	.17	85	42 - 129	T
Indeno(1,2,3-cd)pyrene	mg/Kg	0.20	.2	100	39 - 135	T
Dibenzo[a,h]anthracene	mg/Kg	0.20	.24	118	40 - 139	T
Benzo[g,h,i]perylene	mg/Kg	0.20	.23	115	41 - 133	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2-Fluorobiphenyl (S)	mg/L	0.40	0.33	83	37 - 127	
Nitrobenzene-d5 (S)	mg/L	0.40	0.43	107	33 - 134	
p-Terphenyl-d14 (S)	mg/L	0.40	0.40	100	42 - 141	

Matrix Spike (4195754); Matrix Spike Duplicate (4195755); Parent Lab Sample (T2202524001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Naphthalene	mg/Kg	0.20	.13	61	38 - 120	.14	61	1	30	T
2-Methylnaphthalene	mg/Kg	0.20	.17	72	39 - 120	.17	75	4	30	T
1-Methylnaphthalene	mg/Kg	0.20	.16	69	43 - 120	.16	72	5	30	T
Acenaphthylene	mg/Kg	0.20	.18	57	39 - 118	.18	58	1	30	T
Acenaphthene	mg/Kg	0.20	.16	77	44 - 117	.16	81	5	30	T
Fluorene	mg/Kg	0.20	.15	76	47 - 121	.16	77	1	30	T
Phenanthrene	mg/Kg	0.20	.2	87	49 - 122	.19	85	2	30	T
Anthracene	mg/Kg	0.20	.21	74	50 - 123	.22	77	3	30	T
Fluoranthene	mg/Kg	0.20	.23	77	51 - 126	.24	82	4	30	T
Pyrene	mg/Kg	0.20	.3	56	51 - 127	.29	53	2	30	T
Benzo[a]anthracene	mg/Kg	0.20	.26	77	52 - 126	.26	78	1	30	T
Chrysene	mg/Kg	0.20	.28	96	52 - 128	.27	94	1	30	T
Benzo[b]fluoranthene	mg/Kg	0.20	.38	**4**	43 - 132	.36	**-6**	6	30	T
Benzo[k]fluoranthene	mg/Kg	0.20	.25	60	46 - 133	.25	57	2	30	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

QC Batch: MSSt/1671 **Analysis Method:** SW-846 8270C (SIM)
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202524001, T2202524002, T2202524003, T2202524004, T2202524005, T2202524006

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Benzo[a]pyrene	mg/Kg	0.20	.28	**34**	42 - 129	.27	**29**	3	30	T
Indeno(1,2,3-cd)pyrene	mg/Kg	0.20	.32	63	39 - 135	.3	51	7	30	T
Dibenzo[a,h]anthracene	mg/Kg	0.20	.24	94	40 - 139	.22	86	7	30	T
Benzo[g,h,i]perylene	mg/Kg	0.20	.33	65	41 - 133	.3	55	7	30	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
2-Fluorobiphenyl (S)	mg/L	0.40	0.24	61	37 - 127	0.26	65	8	30	
Nitrobenzene-d5 (S)	mg/L	0.40	0.31	79	33 - 134	0.33	82	4	30	
p-Terphenyl-d14 (S)	mg/L	0.40	0.37	92	42 - 141	0.36	90	2	30	

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

QC Results

QC Batch: MSSt/1674 **Analysis Method:** SW-846 8270C
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202524001, T2202524002, T2202524003, T2202524004, T2202524005, T2202524006, T2202524007, T2202524008, T2202524009, T2202524010, T2202524011, T2202524012

Method Blank(4197426)

Parameter	Results	Units	PQL	MDL	Lab
Phenol	0.039 U	mg/Kg	0.20	0.039	T
2-Chlorophenol	0.036 U	mg/Kg	0.20	0.036	T
2-Nitrophenol	0.044 U	mg/Kg	0.20	0.044	T
2,4-Dimethylphenol	0.042 U	mg/Kg	0.20	0.042	T
2,4-Dichlorophenol	0.042 U	mg/Kg	0.20	0.042	T
4-Chloro-3-methylphenol	0.042 U	mg/Kg	0.20	0.042	T
2,4,6-Trichlorophenol	0.037 U	mg/Kg	0.20	0.037	T
2,4-Dinitrophenol	0.12 U	mg/Kg	0.20	0.12	T
4-Nitrophenol	0.056 U	mg/Kg	0.20	0.056	T
2-Methyl-4,6-dinitrophenol	0.045 U	mg/Kg	0.20	0.045	T
Pentachlorophenol	0.067 U	mg/Kg	0.20	0.067	T
N-Nitrosodimethylamine	0.0090 U	mg/Kg	0.20	0.0090	T
bis(2-Chloroethyl)Ether	0.041 U	mg/Kg	0.20	0.041	T
1,3-Dichlorobenzene	0.021 U	mg/Kg	0.20	0.021	T
1,4-Dichlorobenzene	0.045 U	mg/Kg	0.20	0.045	T
1,2-Dichlorobenzene	0.040 U	mg/Kg	0.20	0.040	T
bis(2-Chloroisopropyl) Ether	0.037 U	mg/Kg	0.20	0.037	T
N-Nitrosodi-n-propylamine	0.036 U	mg/Kg	0.20	0.036	T
Hexachloroethane	0.028 U	mg/Kg	0.20	0.028	T
Nitrobenzene	0.048 U	mg/Kg	0.20	0.048	T
Isophorone	0.022 U	mg/Kg	0.20	0.022	T
bis(2-Chloroethoxy)methane	0.029 U	mg/Kg	0.20	0.029	T
1,2,4-Trichlorobenzene	0.030 U	mg/Kg	0.20	0.030	T
Naphthalene	0.0048 U	mg/Kg	0.20	0.0048	T
Hexachlorobutadiene	0.033 U	mg/Kg	0.20	0.033	T
2-Methylnaphthalene	0.0048 U	mg/Kg	0.20	0.0048	T
1-Methylnaphthalene	0.0039 U	mg/Kg	0.20	0.0039	T
Hexachlorocyclopentadiene	0.033 U	mg/Kg	0.20	0.033	T
2-Chloronaphthalene	0.039 U	mg/Kg	0.20	0.039	T
Dimethyl phthalate	0.038 U	mg/Kg	0.20	0.038	T
2,6-Dinitrotoluene (2,6-DNT)	0.050 U	mg/Kg	0.20	0.050	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

QC Batch: MSSt/1674 **Analysis Method:** SW-846 8270C
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202524001, T2202524002, T2202524003, T2202524004, T2202524005, T2202524006, T2202524007, T2202524008, T2202524009, T2202524010, T2202524011, T2202524012

Parameter	Results	Units	PQL	MDL	Lab
Acenaphthylene	0.0051 U	mg/Kg	0.20	0.0051	T
Acenaphthene	0.0046 U	mg/Kg	0.20	0.0046	T
2,4-Dinitrotoluene (2,4-DNT)	0.063 U	mg/Kg	0.20	0.063	T
Diethyl phthalate	0.039 U	mg/Kg	0.20	0.039	T
Fluorene	0.0044 U	mg/Kg	0.20	0.0044	T
4-Chlorophenyl Phenyl Ether	0.044 U	mg/Kg	0.20	0.044	T
1,2-Diphenylhydrazine	0.077 U	mg/Kg	0.20	0.077	T
4-Bromophenyl Phenyl Ether	0.051 U	mg/Kg	0.20	0.051	T
Hexachlorobenzene	0.059 U	mg/Kg	0.20	0.059	T
Phenanthrene	0.0057 U	mg/Kg	0.20	0.0057	T
Anthracene	0.0050 U	mg/Kg	0.20	0.0050	T
Di-n-Butyl Phthalate	0.042 U	mg/Kg	0.20	0.042	T
Fluoranthene	0.048 U	mg/Kg	0.20	0.048	T
Benzidine	0.040 U	mg/Kg	0.20	0.040	T
Pyrene	0.0043 U	mg/Kg	0.20	0.0043	T
Butyl benzyl phthalate	0.028 U	mg/Kg	0.20	0.028	T
Benzo[a]anthracene	0.0046 U	mg/Kg	0.20	0.0046	T
3,3`-Dichlorobenzidine	0.027 U	mg/Kg	0.20	0.027	T
Chrysene	0.0051 U	mg/Kg	0.20	0.0051	T
bis(2-Ethylhexyl) phthalate	0.031 U	mg/Kg	0.20	0.031	T
Di-n-octyl Phthalate	0.026 U	mg/Kg	0.20	0.026	T
Benzo[b]fluoranthene	0.0064 U	mg/Kg	0.20	0.0064	T
Benzo[k]fluoranthene	0.0067 U	mg/Kg	0.20	0.0067	T
Benzo[a]pyrene	0.0043 U	mg/Kg	0.20	0.0043	T
Indeno(1,2,3-cd)pyrene	0.0039 U	mg/Kg	0.20	0.0039	T
Dibenzo[a,h]anthracene	0.0038 U	mg/Kg	0.20	0.0038	T
Benzo[g,h,i]perylene	0.0037 U	mg/Kg	0.20	0.0037	T
N-Nitrosodiphenylamine	0.026 U	mg/Kg	0.20	0.026	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2,4,6-Tribromophenol (S)	mg/L	2	1.80	90	39 - 132	
2-Fluorobiphenyl (S)	mg/L	2	1.40	68	44 - 115	
2-Fluorophenol (S)	mg/L	2	1.50	73	35 - 115	

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

QC Batch: MSSt/1674 **Analysis Method:** SW-846 8270C
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202524001, T2202524002, T2202524003, T2202524004, T2202524005, T2202524006, T2202524007, T2202524008, T2202524009, T2202524010, T2202524011, T2202524012

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Nitrobenzene-d5 (S)	mg/L	2	1.50	75	37 - 122	
Phenol-d6 (S)	mg/L	2	1.50	74	33 - 122	
p-Terphenyl-d14 (S)	mg/L	2	2	98	54 - 127	

Lab Control Sample (4197427)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
N-Nitrosodimethylamine	mg/Kg	1.60	1.2	78		T
Phenol	mg/Kg	1.60	1.3	79	34 - 121	T
bis(2-Chloroethyl)Ether	mg/Kg	1.60	1.2	78		T
2-Chlorophenol	mg/Kg	1.60	1.3	79		T
1,3-Dichlorobenzene	mg/Kg	1.60	1.2	73		T
1,4-Dichlorobenzene	mg/Kg	1.60	1.1	71	37 - 132	T
1,2-Dichlorobenzene	mg/Kg	1.60	1.2	75		T
bis(2-Chloroisopropyl) Ether	mg/Kg	1.60	1.4	88		T
N-Nitrosodi-n-propylamine	mg/Kg	1.60	1.3	81		T
Hexachloroethane	mg/Kg	1.60	1.2	78	28 - 117	T
Nitrobenzene	mg/Kg	1.60	1.4	87	34 - 122	T
Isophorone	mg/Kg	1.60	1.2	77		T
2-Nitrophenol	mg/Kg	1.60	1.4	85		T
2,4-Dimethylphenol	mg/Kg	1.60	1.3	82		T
bis(2-Chloroethoxy)methane	mg/Kg	1.60	1.2	76		T
2,4-Dichlorophenol	mg/Kg	1.60	1.3	83	40 - 122	T
1,2,4-Trichlorobenzene	mg/Kg	1.60	1.2	75		T
Naphthalene	mg/Kg	1.60	1.2	72		T
Hexachlorobutadiene	mg/Kg	1.60	1.2	75	32 - 123	T
4-Chloro-3-methylphenol	mg/Kg	1.60	1.5	96	45 - 122	T
2-Methylnaphthalene	mg/Kg	1.60	1.2	74		T
1-Methylnaphthalene	mg/Kg	1.60	1.3	78		T
Hexachlorocyclopentadiene	mg/Kg	1.60	1.1	71		T
2,4,6-Trichlorophenol	mg/Kg	1.60	1.5	95	39 - 126	T
2-Chloronaphthalene	mg/Kg	1.60	1.1	67		T
Dimethyl phthalate	mg/Kg	1.60	1.5	93		T
2,6-Dinitrotoluene (2,6-DNT)	mg/Kg	1.60	1.8	113		T
Acenaphthylene	mg/Kg	1.60	1.4	89		T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

QC Batch: MSSt/1674 **Analysis Method:** SW-846 8270C
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202524001, T2202524002, T2202524003, T2202524004, T2202524005, T2202524006, T2202524007, T2202524008, T2202524009, T2202524010, T2202524011, T2202524012

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Acenaphthene	mg/Kg	1.60	1.3	84	40 - 123	T
2,4-Dinitrophenol	mg/Kg	1.60	1.6	98		T
2,4-Dinitrotoluene (2,4-DNT)	mg/Kg	1.60	1.8	111	48 - 126	T
4-Nitrophenol	mg/Kg	1.60	1.9	121		T
Diethyl phthalate	mg/Kg	1.60	1.6	102		T
Fluorene	mg/Kg	1.60	1.5	95	43 - 125	T
4-Chlorophenyl Phenyl Ether	mg/Kg	1.60	1.4	89		T
2-Methyl-4,6-dinitrophenol	mg/Kg	1.60	1.9	119		T
N-Nitrosodiphenylamine	mg/Kg	1.60	1.3	83		T
1,2-Diphenylhydrazine	mg/Kg	1.60	1.6	97		T
4-Bromophenyl Phenyl Ether	mg/Kg	1.60	1.5	96		T
Hexachlorobenzene	mg/Kg	1.60	1.5	96	45 - 122	T
Pentachlorophenol	mg/Kg	1.60	1.6	102	25 - 133	T
Phenanthrene	mg/Kg	1.60	1.5	94		T
Anthracene	mg/Kg	1.60	1.5	96		T
Di-n-Butyl Phthalate	mg/Kg	1.60	1.6	102		T
Fluoranthene	mg/Kg	1.60	1.6	98	50 - 127	T
Pyrene	mg/Kg	1.60	1.6	100		T
Butyl benzyl phthalate	mg/Kg	1.60	1.7	109		T
Benzo[a]anthracene	mg/Kg	1.60	1.6	97		T
Chrysene	mg/Kg	1.60	1.6	98		T
bis(2-Ethylhexyl) phthalate	mg/Kg	1.60	1.7	106	51 - 133	T
Di-n-octyl Phthalate	mg/Kg	1.60	1.7	109		T
Benzo[b]fluoranthene	mg/Kg	1.60	1.5	91		T
Benzo[k]fluoranthene	mg/Kg	1.60	1.6	99		T
Benzo[a]pyrene	mg/Kg	1.60	1.6	98	45 - 129	T
Indeno(1,2,3-cd)pyrene	mg/Kg	1.60	1.5	95		T
Dibenzo[a,h]anthracene	mg/Kg	1.60	1.5	94		T
Benzo[g,h,i]perylene	mg/Kg	1.60	1.5	92		T
Benzidine	mg/Kg	1.60	.66	41		T
3,3`-Dichlorobenzidine	mg/Kg	1.60	1.2	78		T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

QC Batch: MSSt/1674 **Analysis Method:** SW-846 8270C
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202524001, T2202524002, T2202524003, T2202524004, T2202524005, T2202524006, T2202524007, T2202524008, T2202524009, T2202524010, T2202524011, T2202524012

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2,4,6-Tribromophenol (S)	mg/L	2	2.20	109	39 - 132	
2-Fluorobiphenyl (S)	mg/L	2	1.60	82	44 - 115	
2-Fluorophenol (S)	mg/L	2	1.60	78	35 - 115	
Nitrobenzene-d5 (S)	mg/L	2	1.70	84	37 - 122	
Phenol-d6 (S)	mg/L	2	1.60	78	33 - 122	
p-Terphenyl-d14 (S)	mg/L	2	1.90	97	54 - 127	

Matrix Spike (4197428); Matrix Spike Duplicate (4197429); Parent Lab Sample (T2202524005)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
N-Nitrosodimethylamine	mg/Kg	1.60	1.2	72		1.2	79	7	30	T
Phenol	mg/Kg	1.60	1.1	71	34 - 121	1.3	80	10	30	T
bis(2-Chloroethyl)Ether	mg/Kg	1.60	1.1	71		1.2	78	8	30	T
2-Chlorophenol	mg/Kg	1.60	1.2	73		1.3	82	11	30	T
1,3-Dichlorobenzene	mg/Kg	1.60	1	65		1.1	71	8	30	T
1,4-Dichlorobenzene	mg/Kg	1.60	1	65	37 - 132	1.1	70	7	30	T
1,2-Dichlorobenzene	mg/Kg	1.60	1.1	67		1.2	74	8	30	T
bis(2-Chloroisopropyl) Ethe	mg/Kg	1.60	1.2	78		1.3	85	8	30	T
N-Nitrosodi-n-propylamine	mg/Kg	1.60	1.2	75		1.3	82	8	30	T
Hexachloroethane	mg/Kg	1.60	1.1	72	28 - 117	1.2	78	7	30	T
Nitrobenzene	mg/Kg	1.60	1.4	85	34 - 122	1.4	91	6	30	T
Isophorone	mg/Kg	1.60	1.2	73		1.2	78	5	30	T
2-Nitrophenol	mg/Kg	1.60	1.4	87		1.4	91	4	30	T
2,4-Dimethylphenol	mg/Kg	1.60	1.2	74		1.3	83	10	30	T
bis(2-Chloroethoxy)methan	mg/Kg	1.60	1.1	71		1.2	78	8	30	T
2,4-Dichlorophenol	mg/Kg	1.60	1.3	79	40 - 122	1.4	87	8	30	T
1,2,4-Trichlorobenzene	mg/Kg	1.60	1.1	69		1.2	74	5	30	T
Naphthalene	mg/Kg	1.60	1.2	69		1.2	73	4	30	T
Hexachlorobutadiene	mg/Kg	1.60	1.1	70	32 - 123	1.1	73	2	30	T
4-Chloro-3-methylphenol	mg/Kg	1.60	1.4	90	45 - 122	1.5	95	5	30	T
2-Methylnaphthalene	mg/Kg	1.60	1.2	71		1.2	73	1	30	T
1-Methylnaphthalene	mg/Kg	1.60	1.2	75		1.3	80	5	30	T
Hexachlorocyclopentadiene	mg/Kg	1.60	.95	60		.99	63	4	30	T
2,4,6-Trichlorophenol	mg/Kg	1.60	1.4	85	39 - 126	1.5	97	12	30	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

QC Batch: MSSt/1674 **Analysis Method:** SW-846 8270C
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202524001, T2202524002, T2202524003, T2202524004, T2202524005, T2202524006, T2202524007, T2202524008, T2202524009, T2202524010, T2202524011, T2202524012

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
2-Chloronaphthalene	mg/Kg	1.60	.98	61		1	66	6	30	T
Dimethyl phthalate	mg/Kg	1.60	1.3	85		1.4	91	7	30	T
2,6-Dinitrotoluene (2,6-DNT	mg/Kg	1.60	1.6	101		1.7	109	7	30	T
Acenaphthylene	mg/Kg	1.60	1.3	83		1.5	91	8	30	T
Acenaphthene	mg/Kg	1.60	1.3	79	40 - 123	1.3	85	6	30	T
2,4-Dinitrophenol	mg/Kg	1.60	.99	62		1.2	75	18	30	T
2,4-Dinitrotoluene (2,4-DNT	mg/Kg	1.60	1.6	98	48 - 126	1.8	111	11	30	T
4-Nitrophenol	mg/Kg	1.60	1.7	109		1.8	116	6	30	T
Diethyl phthalate	mg/Kg	1.60	1.4	90		1.5	96	4	30	T
Fluorene	mg/Kg	1.60	1.4	85	43 - 125	1.4	91	6	30	T
4-Chlorophenyl Phenyl Eth	mg/Kg	1.60	1.3	83		1.4	91	8	30	T
2-Methyl-4,6-dinitrophenol	mg/Kg	1.60	1.7	104		1.8	116	10	30	T
N-Nitrosodiphenylamine	mg/Kg	1.60	1.3	80		1.3	79	1	30	T
1,2-Diphenylhydrazine	mg/Kg	1.60	1.5	93		1.5	94	0	30	T
4-Bromophenyl Phenyl Eth	mg/Kg	1.60	1.6	99		1.5	93	7	30	T
Hexachlorobenzene	mg/Kg	1.60	1.5	93	45 - 122	1.5	95	0	30	T
Pentachlorophenol	mg/Kg	1.60	1.5	91	25 - 133	1.5	97	5	30	T
Phenanthrene	mg/Kg	1.60	1.5	91		1.4	88	4	30	T
Anthracene	mg/Kg	1.60	1.5	92		1.5	91	2	30	T
Di-n-Butyl Phthalate	mg/Kg	1.60	1.6	99		1.6	102	2	30	T
Fluoranthene	mg/Kg	1.60	1.6	94	50 - 127	1.5	90	5	30	T
Pyrene	mg/Kg	1.60	1.6	94		1.7	102	7	30	T
Butyl benzyl phthalate	mg/Kg	1.60	1.7	105		1.8	114	7	30	T
Benzo[a]anthracene	mg/Kg	1.60	1.5	91		1.6	98	6	30	T
Chrysene	mg/Kg	1.60	1.5	90		1.6	96	6	30	T
bis(2-Ethylhexyl) phthalate	mg/Kg	1.60	1.7	106	51 - 133	1.8	112	5	30	T
Di-n-octyl Phthalate	mg/Kg	1.60	1.7	107		1.8	115	6	30	T
Benzo[b]fluoranthene	mg/Kg	1.60	1.6	87		1.6	86	2	30	T
Benzo[k]fluoranthene	mg/Kg	1.60	1.6	98		1.6	100	0	30	T
Benzo[a]pyrene	mg/Kg	1.60	1.6	94	45 - 129	1.6	96	1	30	T
Indeno(1,2,3-cd)pyrene	mg/Kg	1.60	1.6	97		1.7	100	2	30	T
Dibenzo[a,h]anthracene	mg/Kg	1.60	1.6	96		1.6	98	2	30	T
Benzo[g,h,i]perylene	mg/Kg	1.60	1.6	95		1.6	96	0	30	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

QC Batch: MSSt/1674 **Analysis Method:** SW-846 8270C
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202524001, T2202524002, T2202524003, T2202524004, T2202524005, T2202524006, T2202524007, T2202524008, T2202524009, T2202524010, T2202524011, T2202524012

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Benzidine	mg/Kg	1.60	.56	35		.51	32	10	30	T
3,3`-Dichlorobenzidine	mg/Kg	1.60	1.2	74		1.3	84	12	30	T

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	2	2.10	107	39 - 132	2.10	104	3	30	
2-Fluorobiphenyl (S)	mg/L	2	1.50	75	44 - 115	1.60	82	8	30	
2-Fluorophenol (S)	mg/L	2	1.40	68	35 - 115	1.50	78	12	30	
Nitrobenzene-d5 (S)	mg/L	2	1.60	79	37 - 122	1.80	89	11		
Phenol-d6 (S)	mg/L	2	1.40	70	33 - 122	1.50	78	9		
p-Terphenyl-d14 (S)	mg/L	2	1.80	92	54 - 127	2	101	9		

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

QC Results

QC Batch: MSSt/1677 **Analysis Method:** SW-846 8270C (SIM)
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202524007, T2202524008, T2202524009, T2202524010, T2202524011, T2202524012

Method Blank(4201261)

Parameter	Results	Units	PQL	MDL	Lab
Naphthalene	0.0016 U	mg/Kg	0.0080	0.0016	T
2-Methylnaphthalene	0.0020 U	mg/Kg	0.0080	0.0020	T
1-Methylnaphthalene	0.0015 U	mg/Kg	0.0080	0.0015	T
Acenaphthylene	0.0017 U	mg/Kg	0.0080	0.0017	T
Acenaphthene	0.0015 U	mg/Kg	0.0080	0.0015	T
Fluorene	0.0021 U	mg/Kg	0.0080	0.0021	T
Phenanthrene	0.0021 U	mg/Kg	0.0080	0.0021	T
Anthracene	0.0024 U	mg/Kg	0.0080	0.0024	T
Fluoranthene	0.0027 U	mg/Kg	0.0080	0.0027	T
Pyrene	0.0023 U	mg/Kg	0.0080	0.0023	T
Benzo[a]anthracene	0.0019 U	mg/Kg	0.0080	0.0019	T
Chrysene	0.0028 U	mg/Kg	0.0080	0.0028	T
Benzo[b]fluoranthene	0.0015 U	mg/Kg	0.0080	0.0015	T
Benzo[k]fluoranthene	0.0023 U	mg/Kg	0.0080	0.0023	T
Benzo[a]pyrene	0.0016 U	mg/Kg	0.0080	0.0016	T
Indeno(1,2,3-cd)pyrene	0.0023 U	mg/Kg	0.0080	0.0023	T
Dibenzo[a,h]anthracene	0.0016 U	mg/Kg	0.0080	0.0016	T
Benzo[g,h,i]perylene	0.0019 U	mg/Kg	0.0080	0.0019	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2-Fluorobiphenyl (S)	mg/L	0.40	0.26	66	37 - 127	
Nitrobenzene-d5 (S)	mg/L	0.40	0.35	88	33 - 134	
p-Terphenyl-d14 (S)	mg/L	0.40	0.37	93	42 - 141	

Lab Control Sample (4201262)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Naphthalene	mg/Kg	0.20	.15	75	38 - 120	T
2-Methylnaphthalene	mg/Kg	0.20	.18	88	39 - 120	T
1-Methylnaphthalene	mg/Kg	0.20	.17	83	43 - 120	T
Acenaphthylene	mg/Kg	0.20	.16	80	39 - 118	T
Acenaphthene	mg/Kg	0.20	.18	88	44 - 117	T
Fluorene	mg/Kg	0.20	.16	79	47 - 121	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

QC Batch: MSSt/1677 **Analysis Method:** SW-846 8270C (SIM)
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202524007, T2202524008, T2202524009, T2202524010, T2202524011, T2202524012

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Phenanthrene	mg/Kg	0.20	.17	86	49 - 122	T
Anthracene	mg/Kg	0.20	.19	93	50 - 123	T
Fluoranthene	mg/Kg	0.20	.16	80	51 - 126	T
Pyrene	mg/Kg	0.20	.2	98	51 - 127	T
Benzo[a]anthracene	mg/Kg	0.20	.18	91	52 - 126	T
Chrysene	mg/Kg	0.20	.19	96	52 - 128	T
Benzo[b]fluoranthene	mg/Kg	0.20	.17	85	43 - 132	T
Benzo[k]fluoranthene	mg/Kg	0.20	.19	93	46 - 133	T
Benzo[a]pyrene	mg/Kg	0.20	.15	77	42 - 129	T
Indeno(1,2,3-cd)pyrene	mg/Kg	0.20	.18	89	39 - 135	T
Dibenzo[a,h]anthracene	mg/Kg	0.20	.21	105	40 - 139	T
Benzo[g,h,i]perylene	mg/Kg	0.20	.21	105	41 - 133	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2-Fluorobiphenyl (S)	mg/L	0.40	0.29	73	37 - 127	
Nitrobenzene-d5 (S)	mg/L	0.40	0.40	100	33 - 134	
p-Terphenyl-d14 (S)	mg/L	0.40	0.38	96	42 - 141	

Matrix Spike (4201263); Matrix Spike Duplicate (4201264); Parent Lab Sample (T2202524009)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Naphthalene	mg/Kg	0.20	.19	80	38 - 120	.19	80	0	30	T
2-Methylnaphthalene	mg/Kg	0.20	.3	104	39 - 120	.31	108	3	30	T
1-Methylnaphthalene	mg/Kg	0.20	.24	99	43 - 120	.24	95	2	30	T
Acenaphthylene	mg/Kg	0.20	.45	**120**	39 - 118	.44	111	3	30	T
Acenaphthene	mg/Kg	0.20	.2	104	44 - 117	.19	96	7	30	T
Fluorene	mg/Kg	0.20	.21	103	47 - 121	.2	94	8	30	T
Phenanthrene	mg/Kg	0.20	.28	119	49 - 122	.26	109	6	30	T
Anthracene	mg/Kg	0.20	.66	**169**	50 - 123	.67	**175**	2	30	T
Fluoranthene	mg/Kg	0.20	.29	118	51 - 126	.26	104	9	30	T
Pyrene	mg/Kg	0.20	.33	**129**	51 - 127	.3	114	9	30	T
Benzo[a]anthracene	mg/Kg	0.20	.32	126	52 - 126	.3	115	6	30	T
Chrysene	mg/Kg	0.20	.33	**146**	52 - 128	.31	**133**	7	30	T
Benzo[b]fluoranthene	mg/Kg	0.20	.44	**134**	43 - 132	.41	114	9	30	T
Benzo[k]fluoranthene	mg/Kg	0.20	.29	118	46 - 133	.27	109	6	30	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

QC Batch: MSSt/1677 **Analysis Method:** SW-846 8270C (SIM)
Preparation Method: SW-846 3550B
Associated Lab IDs: T2202524007, T2202524008, T2202524009, T2202524010, T2202524011, T2202524012

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Benzo[a]pyrene	mg/Kg	0.20	.3	112	42 - 129	.27	98	9	30	T
Indeno(1,2,3-cd)pyrene	mg/Kg	0.20	.52	**154**	39 - 135	.49	**137**	6	30	T
Dibenzo[a,h]anthracene	mg/Kg	0.20	.3	125	40 - 139	.28	114	7	30	T
Benzo[g,h,i]perylene	mg/Kg	0.20	.6	**169**	41 - 133	.57	**154**	5	30	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
2-Fluorobiphenyl (S)	mg/L	0.39	0.32	80	37 - 127	0.30	74	7	30	
Nitrobenzene-d5 (S)	mg/L	0.39	0.35	90	33 - 134	0.34	86	4	30	
p-Terphenyl-d14 (S)	mg/L	0.39	0.44	111	42 - 141	0.40	101	9	30	

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

QC Results

QC Batch: MSVt/3563 **Analysis Method:** SW-846 8260B
Preparation Method: SW-846 5035
Associated Lab IDs: T2202524001, T2202524002, T2202524003, T2202524004, T2202524005, T2202524006, T2202524007, T2202524008, T2202524009, T2202524010, T2202524011, T2202524012

Method Blank(4198535)

Parameter	Results	Units	PQL	MDL	Lab
Dichlorodifluoromethane	0.0010 U	mg/Kg	0.0030	0.0010	T
Chloromethane	0.00069 U	mg/Kg	0.0030	0.00069	T
Vinyl Chloride	0.00058 U	mg/Kg	0.0030	0.00058	T
Bromomethane	0.0012 U	mg/Kg	0.0030	0.0012	T
Chloroethane	0.0015 U	mg/Kg	0.0030	0.0015	T
Trichlorofluoromethane	0.00066 U	mg/Kg	0.0030	0.00066	T
Acrolein (Propenal)	0.0062 U	mg/Kg	0.015	0.0062	T
1,1-Dichloroethylene	0.00073 U	mg/Kg	0.0030	0.00073	T
Acrylonitrile	0.00052 U	mg/Kg	0.0030	0.00052	T
Methylene Chloride	0.0040 U	mg/Kg	0.0050	0.0040	T
trans-1,2-Dichloroethylene	0.00061 U	mg/Kg	0.0030	0.00061	T
Methyl tert-butyl Ether (MTBE)	0.00098 U	mg/Kg	0.0030	0.00098	T
1,1-Dichloroethane	0.00070 U	mg/Kg	0.0030	0.00070	T
cis-1,2-Dichloroethylene	0.00059 U	mg/Kg	0.0030	0.00059	T
Chloroform	0.00061 U	mg/Kg	0.0030	0.00061	T
1,2-Dichloroethane	0.00078 U	mg/Kg	0.0030	0.00078	T
1,1,1-Trichloroethane	0.00070 U	mg/Kg	0.0030	0.00070	T
Carbon Tetrachloride	0.00084 U	mg/Kg	0.0030	0.00084	T
Benzene	0.00050 U	mg/Kg	0.0030	0.00050	T
1,2-Dichloropropane	0.00054 U	mg/Kg	0.0030	0.00054	T
Trichloroethene	0.00074 U	mg/Kg	0.0030	0.00074	T
Bromodichloromethane	0.00053 U	mg/Kg	0.0030	0.00053	T
2-Chloroethyl Vinyl Ether	0.0026 U	mg/Kg	0.0030	0.0026	T
cis-1,3-Dichloropropene	0.0021 U	mg/Kg	0.0030	0.0021	T
trans-1,3-Dichloropropylene	0.0018 U	mg/Kg	0.0030	0.0018	T
1,1,2-Trichloroethane	0.00049 U	mg/Kg	0.0030	0.00049	T
Toluene	0.00037 U	mg/Kg	0.0030	0.00037	T
Dibromochloromethane	0.0017 U	mg/Kg	0.0030	0.0017	T
Tetrachloroethylene (PCE)	0.00057 U	mg/Kg	0.0030	0.00057	T
Chlorobenzene	0.00044 U	mg/Kg	0.0030	0.00044	T
Ethylbenzene	0.00036 U	mg/Kg	0.0030	0.00036	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

QC Batch: MSVt/3563 **Analysis Method:** SW-846 8260B
Preparation Method: SW-846 5035
Associated Lab IDs: T2202524001, T2202524002, T2202524003, T2202524004, T2202524005, T2202524006, T2202524007, T2202524008, T2202524009, T2202524010, T2202524011, T2202524012

Parameter	Results	Units	PQL	MDL	Lab
Bromoform	0.0020 U	mg/Kg	0.0030	0.0020	T
1,1,2,2-Tetrachloroethane	0.00051 U	mg/Kg	0.0030	0.00051	T
1,3-Dichlorobenzene	0.00055 U	mg/Kg	0.0030	0.00055	T
1,4-Dichlorobenzene	0.00066 U	mg/Kg	0.0030	0.00066	T
1,2-Dichlorobenzene	0.00048 U	mg/Kg	0.0030	0.00048	T
Xylene (Total)	0.0013 U	mg/Kg	0.0060	0.0013	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	42	83	69 - 134	
Bromofluorobenzene (S)	ug/L	50	53	106	79 - 126	
Toluene-d8 (S)	ug/L	50	47	94	72 - 122	

Lab Control Sample (4198536); Lab Control Sample Duplicate (4198537)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Dichlorodifluoromethane	mg/Kg	0.02	.01	64		.01	61	4		T
Chloromethane	mg/Kg	0.02	.02	75		.02	76	1		T
Vinyl Chloride	mg/Kg	0.02	.02	90	70 - 130	.02	75	18	20	T
Bromomethane	mg/Kg	0.02	.01	67		.01	71	6		T
Chloroethane	mg/Kg	0.02	.01	72		.02	73	1		T
Trichlorofluoromethane	mg/Kg	0.02	.01	63		.01	56	12		T
1,1-Dichloroethylene	mg/Kg	0.02	.02	84	70 - 130	.02	84	0	20	T
Methylene Chloride	mg/Kg	0.02	.02	89		.02	92	3		T
trans-1,2-Dichloroethylene	mg/Kg	0.02	.02	86		.02	84	2		T
Methyl tert-butyl Ether (MT	mg/Kg	0.02	.02	98	70 - 130	.02	100	2	20	T
1,1-Dichloroethane	mg/Kg	0.02	.02	85		.02	85	0		T
cis-1,2-Dichloroethylene	mg/Kg	0.02	.02	87	70 - 130	.02	88	1	20	T
Chloroform	mg/Kg	0.02	.02	86	70 - 130	.02	85	1	20	T
1,2-Dichloroethane	mg/Kg	0.02	.02	84		.02	86	2		T
1,1,1-Trichloroethane	mg/Kg	0.02	.02	80		.02	81	1		T
Carbon Tetrachloride	mg/Kg	0.02	.02	75		.02	75	1		T
Benzene	mg/Kg	0.02	.02	90	70 - 130	.02	90	0	20	T
1,2-Dichloropropane	mg/Kg	0.02	.02	93		.02	93	0		T
Trichloroethene	mg/Kg	0.02	.02	85	70 - 130	.02	88	3	20	T

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

QC Batch: MSVt/3563 **Analysis Method:** SW-846 8260B
Preparation Method: SW-846 5035
Associated Lab IDs: T2202524001, T2202524002, T2202524003, T2202524004, T2202524005, T2202524006, T2202524007, T2202524008, T2202524009, T2202524010, T2202524011, T2202524012

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Bromodichloromethane	mg/Kg	0.02	.02	74		.02	78	5		T
cis-1,3-Dichloropropene	mg/Kg	0.02	.02	81		.02	84	3		T
trans-1,3-Dichloropropylene	mg/Kg	0.02	.02	77		.02	80	4		T
1,1,2-Trichloroethane	mg/Kg	0.02	.02	88		.02	91	3		T
Toluene	mg/Kg	0.02	.02	82	70 - 130	.02	82	0	20	T
Dibromochloromethane	mg/Kg	0.02	.01	66		.01	68	3		T
Tetrachloroethylene (PCE)	mg/Kg	0.02	.02	77	70 - 130	.02	77	0	20	T
Chlorobenzene	mg/Kg	0.02	.02	82	70 - 130	.02	82	0	20	T
Ethylbenzene	mg/Kg	0.02	.02	83	70 - 130	.02	84	2	20	T
Bromoform	mg/Kg	0.02	.01	53		.01	58	10		T
1,1,2,2-Tetrachloroethane	mg/Kg	0.02	.02	77		.02	79	2		T
1,3-Dichlorobenzene	mg/Kg	0.02	.02	80	70 - 130	.02	81	2	20	T
1,4-Dichlorobenzene	mg/Kg	0.02	.02	79		.02	80	1		T
1,2-Dichlorobenzene	mg/Kg	0.02	.02	82	70 - 130	.02	85	3	20	T
Xylene (Total)	mg/Kg	0.06	.05	85	70 - 130	.05	85	1	20	T
2-Chloroethyl Vinyl Ether	mg/Kg	0.02	.04	177		.04	194	10		T
Acrolein (Propenal)	mg/Kg	0.10	.04	42		.04	44	5		T
Acrylonitrile	mg/Kg	0.02	.02	80		.02	84	4		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	43	85	69 - 134	43	87	2		
Bromofluorobenzene (S)	ug/L	50	50	101	79 - 126	50	100	1		
Toluene-d8 (S)	ug/L	50	46	91	72 - 122	47	94	3		

Matrix Spike (4198538); Parent Lab Sample (T2202524003)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Dichlorodifluoromethane	mg/Kg	0.02	.01	64		T
Chloromethane	mg/Kg	0.02	.02	77		T
Vinyl Chloride	mg/Kg	0.02	.02	73	70 - 130	T
Bromomethane	mg/Kg	0.02	.02	77		T
Chloroethane	mg/Kg	0.02	.02	73		T
Trichlorofluoromethane	mg/Kg	0.02	.02	76		T
1,1-Dichloroethylene	mg/Kg	0.02	.02	85	70 - 130	T

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

QC Batch: MSVt/3563 **Analysis Method:** SW-846 8260B
Preparation Method: SW-846 5035
Associated Lab IDs: T2202524001, T2202524002, T2202524003, T2202524004, T2202524005, T2202524006, T2202524007, T2202524008, T2202524009, T2202524010, T2202524011, T2202524012

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Methylene Chloride	mg/Kg	0.02	.02	94		T
trans-1,2-Dichloroethylene	mg/Kg	0.02	.02	86		T
Methyl tert-butyl Ether (MTBE)	mg/Kg	0.02	.02	98	70 - 130	T
1,1-Dichloroethane	mg/Kg	0.02	.02	86		T
cis-1,2-Dichloroethylene	mg/Kg	0.02	.02	88	70 - 130	T
Chloroform	mg/Kg	0.02	.02	86	70 - 130	T
1,2-Dichloroethane	mg/Kg	0.02	.02	85		T
1,1,1-Trichloroethane	mg/Kg	0.02	.02	81		T
Carbon Tetrachloride	mg/Kg	0.02	.02	79		T
Benzene	mg/Kg	0.02	.02	92	70 - 130	T
1,2-Dichloropropane	mg/Kg	0.02	.02	94		T
Trichloroethene	mg/Kg	0.02	.02	87	70 - 130	T
Bromodichloromethane	mg/Kg	0.02	.02	78		T
cis-1,3-Dichloropropene	mg/Kg	0.02	.02	85		T
trans-1,3-Dichloropropylene	mg/Kg	0.02	.02	82		T
1,1,2-Trichloroethane	mg/Kg	0.02	.02	91		T
Toluene	mg/Kg	0.02	.02	83	70 - 130	T
Dibromochloromethane	mg/Kg	0.02	.01	70		T
Tetrachloroethylene (PCE)	mg/Kg	0.02	.02	79	70 - 130	T
Chlorobenzene	mg/Kg	0.02	.02	84	70 - 130	T
Ethylbenzene	mg/Kg	0.02	.02	85	70 - 130	T
Bromoform	mg/Kg	0.02	.01	61		T
1,1,2,2-Tetrachloroethane	mg/Kg	0.02	.02	78		T
1,3-Dichlorobenzene	mg/Kg	0.02	.02	83	70 - 130	T
1,4-Dichlorobenzene	mg/Kg	0.02	.02	83		T
1,2-Dichlorobenzene	mg/Kg	0.02	.02	86	70 - 130	T
Xylene (Total)	mg/Kg	0.06	.05	86	70 - 130	T
2-Chloroethyl Vinyl Ether	mg/Kg	0.02	.04	178		T
Acrolein (Propenal)	mg/Kg	0.10	.04	44		T
Acrylonitrile	mg/Kg	0.02	.02	82		T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	43	86	69 - 134	

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

QC Batch: MSVt/3563 **Analysis Method:** SW-846 8260B
Preparation Method: SW-846 5035
Associated Lab IDs: T2202524001, T2202524002, T2202524003, T2202524004, T2202524005, T2202524006, T2202524007, T2202524008, T2202524009, T2202524010, T2202524011, T2202524012

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	50	51	101	79 - 126	
Toluene-d8 (S)	ug/L	50	47	94	72 - 122	

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
GCSm/1896 - EPA 8081			
T2202524001	SB-29@0-6"	EXTm/2479	SW-846 3550B
T2202524002	SB-30@0-6"	EXTm/2479	SW-846 3550B
T2202524003	SB-31@0-6"	EXTm/2479	SW-846 3550B
T2202524004	SB-32@0-6"	EXTm/2479	SW-846 3550B
T2202524005	SB-33@0-6"	EXTm/2479	SW-846 3550B
T2202524006	SB-34@0-6"	EXTm/2479	SW-846 3550B
T2202524007	SB-35@0-6"	EXTm/2479	SW-846 3550B
T2202524008	SB-36@0-6"	EXTm/2479	SW-846 3550B
T2202524009	SB-37@0-6"	EXTm/2479	SW-846 3550B
T2202524010	SB-38@0-6"	EXTm/2479	SW-846 3550B
T2202524011	SB-39@0-6"	EXTm/2479	SW-846 3550B
T2202524012	SB-40@0-6"	EXTm/2479	SW-846 3550B
GCSm/1897 - SW-846 8082A			
T2202524001	SB-29@0-6"	EXTm/2480	SW-846 3550B
T2202524002	SB-30@0-6"	EXTm/2480	SW-846 3550B
T2202524003	SB-31@0-6"	EXTm/2480	SW-846 3550B
T2202524004	SB-32@0-6"	EXTm/2480	SW-846 3550B
T2202524005	SB-33@0-6"	EXTm/2480	SW-846 3550B
T2202524006	SB-34@0-6"	EXTm/2480	SW-846 3550B
T2202524007	SB-35@0-6"	EXTm/2480	SW-846 3550B
T2202524008	SB-36@0-6"	EXTm/2480	SW-846 3550B
T2202524009	SB-37@0-6"	EXTm/2480	SW-846 3550B
T2202524010	SB-38@0-6"	EXTm/2480	SW-846 3550B
T2202524011	SB-39@0-6"	EXTm/2480	SW-846 3550B
T2202524012	SB-40@0-6"	EXTm/2480	SW-846 3550B
GCSt/2039 - FL-PRO			
T2202524001	SB-29@0-6"	EXTt/2434	FL-PRO
T2202524002	SB-30@0-6"	EXTt/2434	FL-PRO
T2202524003	SB-31@0-6"	EXTt/2434	FL-PRO
T2202524004	SB-32@0-6"	EXTt/2434	FL-PRO
T2202524005	SB-33@0-6"	EXTt/2434	FL-PRO
T2202524006	SB-34@0-6"	EXTt/2434	FL-PRO

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
GCSt/2049 - FL-PRO			
T2202524007	SB-35@0-6"	EXTt/2447	FL-PRO
T2202524008	SB-36@0-6"	EXTt/2447	FL-PRO
T2202524009	SB-37@0-6"	EXTt/2447	FL-PRO
T2202524010	SB-38@0-6"	EXTt/2447	FL-PRO
T2202524011	SB-39@0-6"	EXTt/2447	FL-PRO
T2202524012	SB-40@0-6"	EXTt/2447	FL-PRO
ICPt/2338 - SW-846 6010			
T2202524013	RS-1	DGMt/3281	SW-846 3050B
T2202524019	RS-7	DGMt/3281	SW-846 3050B
T2202524020	RS-8	DGMt/3281	SW-846 3050B
T2202524021	RS-9	DGMt/3281	SW-846 3050B
T2202524022	RS-10	DGMt/3281	SW-846 3050B
ICPt/2339 - SW-846 6010			
T2202524014	RS-2	DGMt/3283	SW-846 3050B
T2202524015	RS-3	DGMt/3283	SW-846 3050B
T2202524016	RS-4	DGMt/3283	SW-846 3050B
T2202524017	RS-5	DGMt/3283	SW-846 3050B
T2202524018	RS-6	DGMt/3283	SW-846 3050B
ICPt/2340 - SW-846 6010			
T2202524001	SB-29@0-6"	DGMt/3284	SW-846 3050B
T2202524002	SB-30@0-6"	DGMt/3284	SW-846 3050B
T2202524003	SB-31@0-6"	DGMt/3284	SW-846 3050B
ICPt/2341 - SW-846 6010			
T2202524004	SB-32@0-6"	DGMt/3285	SW-846 3050B
T2202524005	SB-33@0-6"	DGMt/3285	SW-846 3050B
T2202524006	SB-34@0-6"	DGMt/3285	SW-846 3050B
T2202524007	SB-35@0-6"	DGMt/3285	SW-846 3050B
T2202524008	SB-36@0-6"	DGMt/3285	SW-846 3050B
T2202524009	SB-37@0-6"	DGMt/3285	SW-846 3050B
T2202524010	SB-38@0-6"	DGMt/3285	SW-846 3050B
T2202524011	SB-39@0-6"	DGMt/3285	SW-846 3050B
T2202524012	SB-40@0-6"	DGMt/3285	SW-846 3050B

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
MSSt/1671 - SW-846 8270C (SIM)			
T2202524001	SB-29@0-6"	EXTt/2433	SW-846 3550B
T2202524002	SB-30@0-6"	EXTt/2433	SW-846 3550B
T2202524003	SB-31@0-6"	EXTt/2433	SW-846 3550B
T2202524004	SB-32@0-6"	EXTt/2433	SW-846 3550B
T2202524005	SB-33@0-6"	EXTt/2433	SW-846 3550B
T2202524006	SB-34@0-6"	EXTt/2433	SW-846 3550B
MSSt/1674 - SW-846 8270C			
T2202524001	SB-29@0-6"	EXTt/2438	SW-846 3550B
T2202524002	SB-30@0-6"	EXTt/2438	SW-846 3550B
T2202524003	SB-31@0-6"	EXTt/2438	SW-846 3550B
T2202524004	SB-32@0-6"	EXTt/2438	SW-846 3550B
T2202524005	SB-33@0-6"	EXTt/2438	SW-846 3550B
T2202524006	SB-34@0-6"	EXTt/2438	SW-846 3550B
T2202524007	SB-35@0-6"	EXTt/2438	SW-846 3550B
T2202524008	SB-36@0-6"	EXTt/2438	SW-846 3550B
T2202524009	SB-37@0-6"	EXTt/2438	SW-846 3550B
T2202524010	SB-38@0-6"	EXTt/2438	SW-846 3550B
T2202524011	SB-39@0-6"	EXTt/2438	SW-846 3550B
T2202524012	SB-40@0-6"	EXTt/2438	SW-846 3550B
MSSt/1677 - SW-846 8270C (SIM)			
T2202524007	SB-35@0-6"	EXTt/2446	SW-846 3550B
T2202524008	SB-36@0-6"	EXTt/2446	SW-846 3550B
T2202524009	SB-37@0-6"	EXTt/2446	SW-846 3550B
T2202524010	SB-38@0-6"	EXTt/2446	SW-846 3550B
T2202524011	SB-39@0-6"	EXTt/2446	SW-846 3550B
T2202524012	SB-40@0-6"	EXTt/2446	SW-846 3550B

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
MSVt/3563 - SW-846 8260B			
T2202524001	SB-29@0-6"	MSVt/3562	SW-846 5035
T2202524002	SB-30@0-6"	MSVt/3562	SW-846 5035
T2202524003	SB-31@0-6"	MSVt/3562	SW-846 5035
T2202524004	SB-32@0-6"	MSVt/3562	SW-846 5035
T2202524005	SB-33@0-6"	MSVt/3562	SW-846 5035
T2202524006	SB-34@0-6"	MSVt/3562	SW-846 5035
T2202524007	SB-35@0-6"	MSVt/3562	SW-846 5035
T2202524008	SB-36@0-6"	MSVt/3562	SW-846 5035
T2202524009	SB-37@0-6"	MSVt/3562	SW-846 5035
T2202524010	SB-38@0-6"	MSVt/3562	SW-846 5035
T2202524011	SB-39@0-6"	MSVt/3562	SW-846 5035
T2202524012	SB-40@0-6"	MSVt/3562	SW-846 5035
WCAt/10136 - SM 2540G			
T2202524013	RS-1		
T2202524014	RS-2		
T2202524015	RS-3		
T2202524016	RS-4		
T2202524017	RS-5		
T2202524018	RS-6		
T2202524019	RS-7		
T2202524020	RS-8		
T2202524021	RS-9		
T2202524022	RS-10		
WCAt/10217 - SM 2540G			
T2202524001	SB-29@0-6"		
T2202524002	SB-30@0-6"		
T2202524003	SB-31@0-6"		
T2202524004	SB-32@0-6"		
T2202524005	SB-33@0-6"		
T2202524006	SB-34@0-6"		
T2202524007	SB-35@0-6"		
T2202524008	SB-36@0-6"		

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
WCAt/10218 - SM 2540G			
T2202524009	SB-37@0-6"		
T2202524010	SB-38@0-6"		
T2202524011	SB-39@0-6"		
T2202524012	SB-40@0-6"		

Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

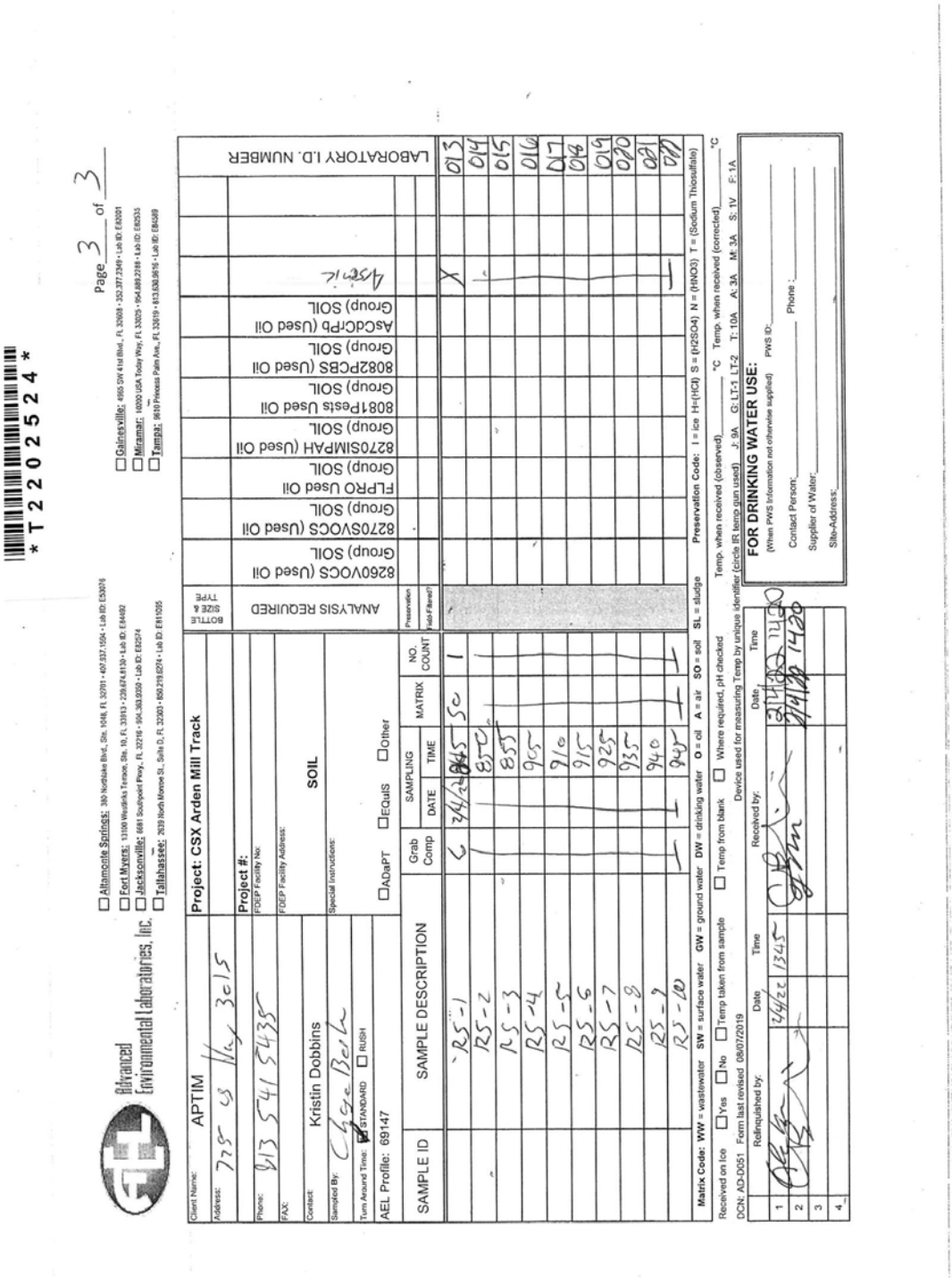
POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)



Certificate of Analysis
This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

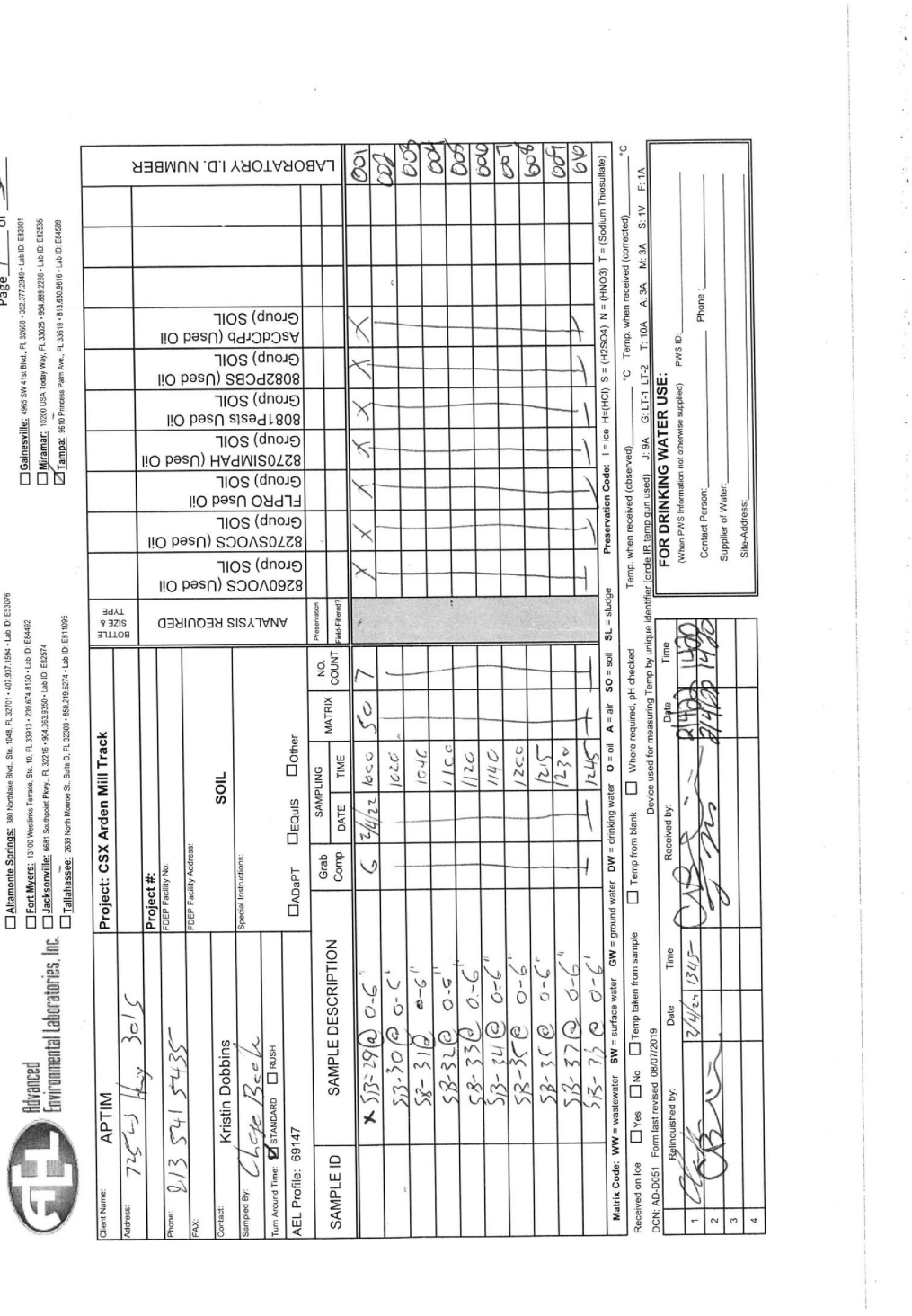
POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)



Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

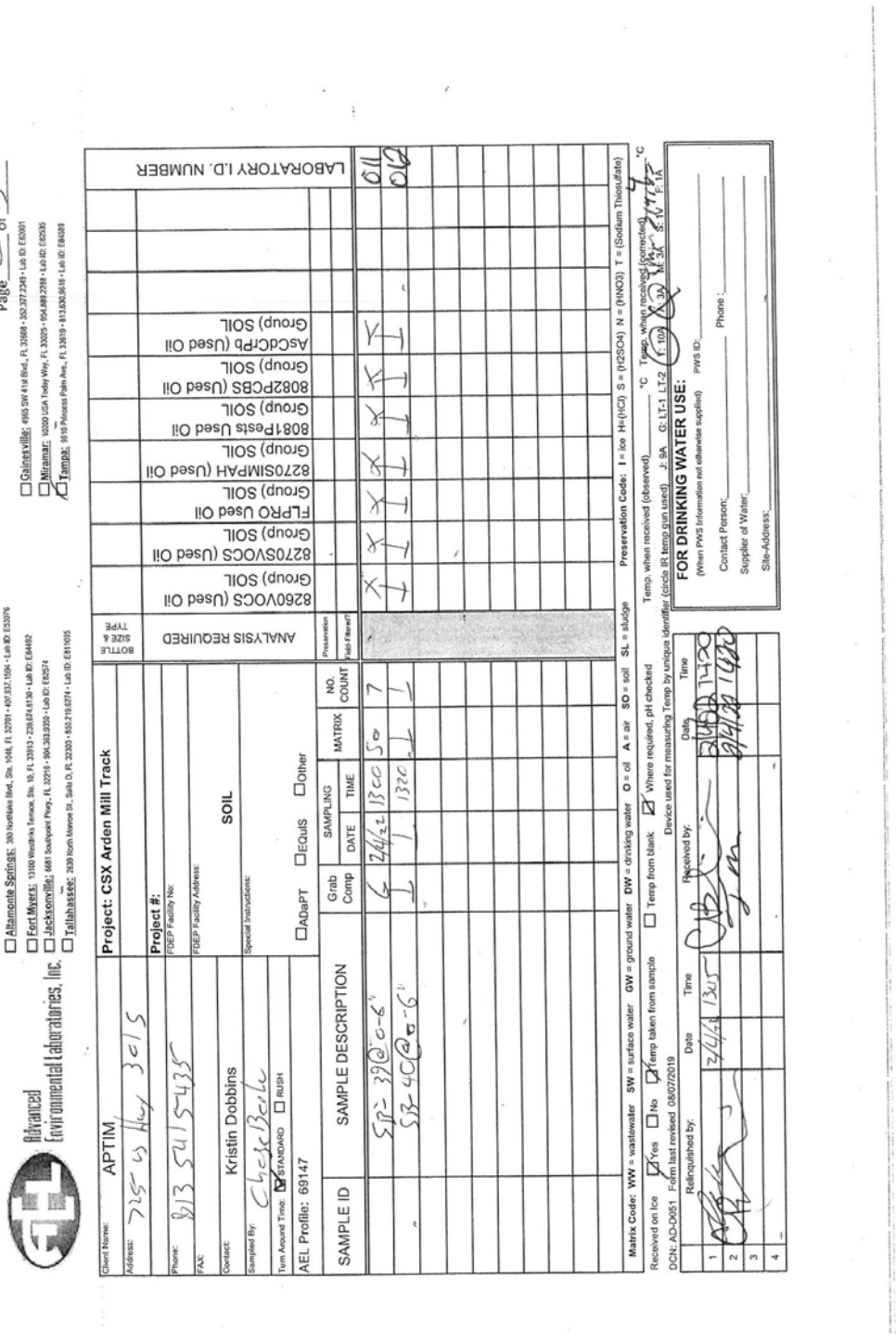
POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)



Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: CSX Arden Mill Track (T2202524)

Advanced Environmental Labs Inc

Client: APTIM **Project name:** CSX Arden Mill Track

Log-In request number: T2202524

Completed by: Sue Bell, 02.07.2022

Comments:

T2202524013 thru 022: Dry weight to 100%. No dry weight analysis is needed. Samples are rocks. Sampels to be reported on an as received basis. This was discussed with Kristin Dobbins at APTIM via phone.

DCN: AD-D048
Eff date 2/3/10, Last rev 9/6/16

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.

POWERED BY HORIZON v.13.0.0

NELAP Accredited E84589

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name:	CSX Arden Mills Track Removal Project
Location:	Tampa, FL
Facility/Site ID No.:	Contract No. O-00619-KCA / PO No. 20220149 / KCA Project No. 1201947.03
Soil Sample No.	SB-1
Sample Date	2/1/2022
Location:	
Depth (ft):	0 - 6-in

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.013	1.0	0.0130
Benzo(a)anthracene	0.005	0.1	0.0005
Benzo(b)fluoranthene	0.022	0.1	0.0022
Benzo(k)fluoranthene	0.007	0.01	0.0001
Chrysene	0.008	0.001	0.0000
Dibenz(a,h)anthracene	0.003	1.0	0.0031
Indeno(1,2,3-cd)pyrene	0.012	0.1	0.0012

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.02

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	**Concentration Reported**	**Data Qualifier**	**Enter**
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name:	CSX Arden Mills Track Removal Project
Location:	Tampa, FL
Facility/Site ID No.:	Contract No. O-00619-KCA / PO No. 20220149 / KCA Project No. 1201947.03
Soil Sample No.	SB-2
Sample Date	2/1/2022
Location:	
Depth (ft):	0 - 6-in

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.630	1.0	0.6300
Benzo(a)anthracene	0.390	0.1	0.0390
Benzo(b)fluoranthene	1.200	0.1	0.1200
Benzo(k)fluoranthene	0.380	0.01	0.0038
Chrysene	0.420	0.001	0.0004
Dibenz(a,h)anthracene	0.170	1.0	0.1700
Indeno(1,2,3-cd)pyrene	0.630	0.1	0.0630

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 1.03

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown EXCEEDS the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	**Concentration Reported**	**Data Qualifier**	**Enter**
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name:	CSX Arden Mills Track Removal Project
Location:	Tampa, FL
Facility/Site ID No.:	Contract No. O-00619-KCA / PO No. 20220149 / KCA Project No. 1201947.03
Soil Sample No.	SB-3
Sample Date	2/1/2022
Location:	
Depth (ft):	0 - 6-in

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.030	1.0	0.0300
Benzo(a)anthracene	0.020	0.1	0.0020
Benzo(b)fluoranthene	0.055	0.1	0.0055
Benzo(k)fluoranthene	0.019	0.01	0.0002
Chrysene	0.024	0.001	0.0000
Dibenz(a,h)anthracene	0.009	1.0	0.0088
Indeno(1,2,3-cd)pyrene	0.028	0.1	0.0028

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.05

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	**Concentration Reported**	**Data Qualifier**	**Enter**
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name:	CSX Arden Mills Track Removal Project
Location:	Tampa, FL
Facility/Site ID No.:	Contract No. O-00619-KCA / PO No. 20220149 / KCA Project No. 1201947.03
Soil Sample No.	SB-4
Sample Date	2/1/2022
Location:	
Depth (ft):	0 - 6-in

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.360	1.0	0.3600
Benzo(a)anthracene	0.180	0.1	0.0180
Benzo(b)fluoranthene	0.650	0.1	0.0650
Benzo(k)fluoranthene	0.180	0.01	0.0018
Chrysene	0.270	0.001	0.0003
Dibenz(a,h)anthracene	0.091	1.0	0.0910
Indeno(1,2,3-cd)pyrene	0.340	0.1	0.0340

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.57

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	**Concentration Reported**	**Data Qualifier**	**Enter**
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name:	CSX Arden Mills Track Removal Project
Location:	Tampa, FL
Facility/Site ID No.:	Contract No. O-00619-KCA / PO No. 20220149 / KCA Project No. 1201947.03
Soil Sample No.	SB-5
Sample Date	2/2/2022
Location:	
Depth (ft):	0 - 6-in

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.027	1.0	0.0270
Benzo(a)anthracene	0.008	0.1	0.0008
Benzo(b)fluoranthene	0.050	0.1	0.0050
Benzo(k)fluoranthene	0.009	0.01	0.0001
Chrysene	0.020	0.001	0.0000
Dibenz(a,h)anthracene	0.007	1.0	0.0071
Indeno(1,2,3-cd)pyrene	0.026	0.1	0.0026

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.04

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	**Concentration Reported**	**Data Qualifier**	**Enter**
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name:	CSX Arden Mills Track Removal Project
Location:	Tampa, FL
Facility/Site ID No.:	Contract No. O-00619-KCA / PO No. 20220149 / KCA Project No. 1201947.03
Soil Sample No.	SB-6
Sample Date	2/2/2022
Location:	
Depth (ft):	0 - 6-in

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.071	1.0	0.0710
Benzo(a)anthracene	0.023	0.1	0.0023
Benzo(b)fluoranthene	0.120	0.1	0.0120
Benzo(k)fluoranthene	0.030	0.01	0.0003
Chrysene	0.020	0.001	0.0000
Dibenz(a,h)anthracene	0.017	1.0	0.0170
Indeno(1,2,3-cd)pyrene	0.062	0.1	0.0062

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.11

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	**Concentration Reported**	**Data Qualifier**	**Enter**
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name:	CSX Arden Mills Track Removal Project
Location:	Tampa, FL
Facility/Site ID No.:	Contract No. O-00619-KCA / PO No. 20220149 / KCA Project No. 1201947.03
Soil Sample No.	SB-7
Sample Date	2/2/2022
Location:	
Depth (ft):	0 - 6-in

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.082	1.0	0.0820
Benzo(a)anthracene	0.034	0.1	0.0034
Benzo(b)fluoranthene	0.160	0.1	0.0160
Benzo(k)fluoranthene	0.008	0.01	0.0001
Chrysene	0.062	0.001	0.0001
Dibenz(a,h)anthracene	0.021	1.0	0.0210
Indeno(1,2,3-cd)pyrene	0.081	0.1	0.0081

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.13

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	**Concentration Reported**	**Data Qualifier**	**Enter**
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name:	CSX Arden Mills Track Removal Project
Location:	Tampa, FL
Facility/Site ID No.:	Contract No. O-00619-KCA / PO No. 20220149 / KCA Project No. 1201947.03
Soil Sample No.	SB-8
Sample Date	2/2/2022
Location:	
Depth (ft):	0 - 6-in

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.011	1.0	0.0110
Benzo(a)anthracene	0.002	0.1	0.0002
Benzo(b)fluoranthene	0.017	0.1	0.0017
Benzo(k)fluoranthene	0.001	0.01	0.0000
Chrysene	0.002	0.001	0.0000
Dibenz(a,h)anthracene	0.001	1.0	0.0009
Indeno(1,2,3-cd)pyrene	0.098	0.1	0.0098

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.02

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	**Concentration Reported**	**Data Qualifier**	**Enter**
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name:	CSX Arden Mills Track Removal Project
Location:	Tampa, FL
Facility/Site ID No.:	Contract No. O-00619-KCA / PO No. 20220149 / KCA Project No. 1201947.03
Soil Sample No.	SB-9
Sample Date	2/2/2022
Location:	
Depth (ft):	0 - 6-in

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.014	1.0	0.0140
Benzo(a)anthracene	0.009	0.1	0.0009
Benzo(b)fluoranthene	0.027	0.1	0.0027
Benzo(k)fluoranthene	0.011	0.01	0.0001
Chrysene	0.010	0.001	0.0000
Dibenz(a,h)anthracene	0.004	1.0	0.0043
Indeno(1,2,3-cd)pyrene	0.017	0.1	0.0017

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.02

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	**Concentration Reported**	**Data Qualifier**	**Enter**
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name:	CSX Arden Mills Track Removal Project
Location:	Tampa, FL
Facility/Site ID No.:	Contract No. O-00619-KCA / PO No. 20220149 / KCA Project No. 1201947.03
Soil Sample No.	SB-10
Sample Date	2/2/2022
Location:	
Depth (ft):	0 - 6-in

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.590	1.0	0.5900
Benzo(a)anthracene	0.270	0.1	0.0270
Benzo(b)fluoranthene	1.100	0.1	0.1100
Benzo(k)fluoranthene	0.360	0.01	0.0036
Chrysene	0.360	0.001	0.0004
Dibenz(a,h)anthracene	0.170	1.0	0.1700
Indeno(1,2,3-cd)pyrene	0.650	0.1	0.0650

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.97

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown EXCEEDS the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	**Concentration Reported**	**Data Qualifier**	**Enter**
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name:	CSX Arden Mills Track Removal Project
Location:	Tampa, FL
Facility/Site ID No.:	Contract No. O-00619-KCA / PO No. 20220149 / KCA Project No. 1201947.03
Soil Sample No.	SB-11
Sample Date	2/2/2022
Location:	
Depth (ft):	0 - 6-in

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.036	1.0	0.0360
Benzo(a)anthracene	0.034	0.1	0.0034
Benzo(b)fluoranthene	0.055	0.1	0.0055
Benzo(k)fluoranthene	0.011	0.01	0.0001
Chrysene	0.031	0.001	0.0000
Dibenz(a,h)anthracene	0.008	1.0	0.0077
Indeno(1,2,3-cd)pyrene	0.027	0.1	0.0027

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.06

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	**Concentration Reported**	**Data Qualifier**	**Enter**
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name:	CSX Arden Mills Track Removal Project
Location:	Tampa, FL
Facility/Site ID No.:	Contract No. O-00619-KCA / PO No. 20220149 / KCA Project No. 1201947.03
Soil Sample No.	SB-12
Sample Date	2/2/2022
Location:	
Depth (ft):	0 - 6-in

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.560	1.0	0.5600
Benzo(a)anthracene	0.240	0.1	0.0240
Benzo(b)fluoranthene	0.960	0.1	0.0960
Benzo(k)fluoranthene	0.240	0.01	0.0024
Chrysene	0.390	0.001	0.0004
Dibenz(a,h)anthracene	0.140	1.0	0.1400
Indeno(1,2,3-cd)pyrene	0.500	0.1	0.0500

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.87

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown EXCEEDS the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	**Concentration Reported**	**Data Qualifier**	**Enter**
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name:	CSX Arden Mills Track Removal Project
Location:	Tampa, FL
Facility/Site ID No.:	Contract No. O-00619-KCA / PO No. 20220149 / KCA Project No. 1201947.03
Soil Sample No.	SB-13
Sample Date	2/2/2022
Location:	
Depth (ft):	0 - 6-in

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.590	1.0	0.5900
Benzo(a)anthracene	0.370	0.1	0.0370
Benzo(b)fluoranthene	1.000	0.1	0.1000
Benzo(k)fluoranthene	0.350	0.01	0.0035
Chrysene	0.410	0.001	0.0004
Dibenz(a,h)anthracene	0.140	1.0	0.1400
Indeno(1,2,3-cd)pyrene	0.520	0.1	0.0520

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.92

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown EXCEEDS the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	**Concentration Reported**	**Data Qualifier**	**Enter**
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name:	CSX Arden Mills Track Removal Project
Location:	Tampa, FL
Facility/Site ID No.:	Contract No. O-00619-KCA / PO No. 20220149 / KCA Project No. 1201947.03
Soil Sample No.	SB-14
Sample Date	2/2/2022
Location:	
Depth (ft):	0 - 6-in

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.023	1.0	0.0230
Benzo(a)anthracene	0.006	0.1	0.0006
Benzo(b)fluoranthene	0.044	0.1	0.0044
Benzo(k)fluoranthene	0.009	0.01	0.0001
Chrysene	0.018	0.001	0.0000
Dibenz(a,h)anthracene	0.007	1.0	0.0067
Indeno(1,2,3-cd)pyrene	0.024	0.1	0.0024

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.04

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	**Concentration Reported**	**Data Qualifier**	**Enter**
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name:	CSX Arden Mills Track Removal Project
Location:	Tampa, FL
Facility/Site ID No.:	Contract No. O-00619-KCA / PO No. 20220149 / KCA Project No. 1201947.03
Soil Sample No.	SB-15
Sample Date	2/2/2022
Location:	
Depth (ft):	0 - 6-in

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.028	1.0	0.0280
Benzo(a)anthracene	0.032	0.1	0.0032
Benzo(b)fluoranthene	0.035	0.1	0.0035
Benzo(k)fluoranthene	0.010	0.01	0.0001
Chrysene	0.044	0.001	0.0000
Dibenz(a,h)anthracene	0.008	1.0	0.0080
Indeno(1,2,3-cd)pyrene	0.018	0.1	0.0018

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.04

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	**Concentration Reported**	**Data Qualifier**	**Enter**
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name:	CSX Arden Mills Track Removal Project
Location:	Tampa, FL
Facility/Site ID No.:	Contract No. O-00619-KCA / PO No. 20220149 / KCA Project No. 1201947.03
Soil Sample No.	SB-16
Sample Date	2/2/2022
Location:	
Depth (ft):	0 - 6-in

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.017	1.0	0.0170
Benzo(a)anthracene	0.011	0.1	0.0011
Benzo(b)fluoranthene	0.028	0.1	0.0028
Benzo(k)fluoranthene	0.011	0.01	0.0001
Chrysene	0.012	0.001	0.0000
Dibenz(a,h)anthracene	0.005	1.0	0.0050
Indeno(1,2,3-cd)pyrene	0.018	0.1	0.0018

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.03

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	**Concentration Reported**	**Data Qualifier**	**Enter**
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name:	CSX Arden Mills Track Removal Project
Location:	Tampa, FL
Facility/Site ID No.:	Contract No. O-00619-KCA / PO No. 20220149 / KCA Project No. 1201947.03
Soil Sample No.	SB-17
Sample Date	2/3/2022
Location:	
Depth (ft):	0 - 6-in

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.003	1.0	0.0027
Benzo(a)anthracene	0.001	0.1	0.0001
Benzo(b)fluoranthene	0.005	0.1	0.0005
Benzo(k)fluoranthene	0.001	0.01	0.0000
Chrysene	0.002	0.001	0.0000
Dibenz(a,h)anthracene	0.001	1.0	0.0009
Indeno(1,2,3-cd)pyrene	0.003	0.1	0.0003

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = **0.00**

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	**Concentration Reported**	**Data Qualifier**	**Enter**
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name:	CSX Arden Mills Track Removal Project
Location:	Tampa, FL
Facility/Site ID No.:	Contract No. O-00619-KCA / PO No. 20220149 / KCA Project No. 1201947.03
Soil Sample No.	SB-18
Sample Date	2/3/2022
Location:	
Depth (ft):	0 - 6-in

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.087	1.0	0.0870
Benzo(a)anthracene	0.057	0.1	0.0057
Benzo(b)fluoranthene	0.160	0.1	0.0160
Benzo(k)fluoranthene	0.009	0.01	0.0001
Chrysene	0.072	0.001	0.0001
Dibenz(a,h)anthracene	0.022	1.0	0.0220
Indeno(1,2,3-cd)pyrene	0.081	0.1	0.0081

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.14

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	**Concentration Reported**	**Data Qualifier**	**Enter**
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name:	CSX Arden Mills Track Removal Project
Location:	Tampa, FL
Facility/Site ID No.:	Contract No. O-00619-KCA / PO No. 20220149 / KCA Project No. 1201947.03
Soil Sample No.	SB-19
Sample Date	2/3/2022
Location:	
Depth (ft):	0 - 6-in

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.029	1.0	0.0290
Benzo(a)anthracene	0.018	0.1	0.0018
Benzo(b)fluoranthene	0.053	0.1	0.0053
Benzo(k)fluoranthene	0.019	0.01	0.0002
Chrysene	0.027	0.001	0.0000
Dibenz(a,h)anthracene	0.007	1.0	0.0072
Indeno(1,2,3-cd)pyrene	0.029	0.1	0.0029

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.05

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	**Concentration Reported**	**Data Qualifier**	**Enter**
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name:	CSX Arden Mills Track Removal Project
Location:	Tampa, FL
Facility/Site ID No.:	Contract No. O-00619-KCA / PO No. 20220149 / KCA Project No. 1201947.03
Soil Sample No.	SB-20
Sample Date	2/3/2022
Location:	
Depth (ft):	0 - 6-in

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.004	1.0	0.0036
Benzo(a)anthracene	0.002	0.1	0.0002
Benzo(b)fluoranthene	0.006	0.1	0.0006
Benzo(k)fluoranthene	0.002	0.01	0.0000
Chrysene	0.002	0.001	0.0000
Dibenz(a,h)anthracene	0.001	1.0	0.0013
Indeno(1,2,3-cd)pyrene	0.002	0.1	0.0002

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.01

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	**Concentration Reported**	**Data Qualifier**	**Enter**
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name:	CSX Arden Mills Track Removal Project
Location:	Tampa, FL
Facility/Site ID No.:	Contract No. O-00619-KCA / PO No. 20220149 / KCA Project No. 1201947.03
Soil Sample No.	SB-21
Sample Date	2/3/2022
Location:	
Depth (ft):	0 - 6-in

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.029	1.0	0.0290
Benzo(a)anthracene	0.028	0.1	0.0028
Benzo(b)fluoranthene	0.042	0.1	0.0042
Benzo(k)fluoranthene	0.009	0.01	0.0001
Chrysene	0.032	0.001	0.0000
Dibenz(a,h)anthracene	0.007	1.0	0.0066
Indeno(1,2,3-cd)pyrene	0.023	0.1	0.0023

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.05

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	**Concentration Reported**	**Data Qualifier**	**Enter**
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name:	CSX Arden Mills Track Removal Project
Location:	Tampa, FL
Facility/Site ID No.:	Contract No. O-00619-KCA / PO No. 20220149 / KCA Project No. 1201947.03
Soil Sample No.	SB-22
Sample Date	2/3/2022
Location:	
Depth (ft):	0 - 6-in

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.085	1.0	0.0850
Benzo(a)anthracene	0.068	0.1	0.0068
Benzo(b)fluoranthene	0.140	0.1	0.0140
Benzo(k)fluoranthene	0.044	0.01	0.0004
Chrysene	0.100	0.001	0.0001
Dibenz(a,h)anthracene	0.023	1.0	0.0230
Indeno(1,2,3-cd)pyrene	0.089	0.1	0.0089

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.14

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	**Concentration Reported**	**Data Qualifier**	**Enter**
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name:	CSX Arden Mills Track Removal Project
Location:	Tampa, FL
Facility/Site ID No.:	Contract No. O-00619-KCA / PO No. 20220149 / KCA Project No. 1201947.03
Soil Sample No.	SB-23
Sample Date	2/3/2022
Location:	
Depth (ft):	0 - 6-in

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.001	1.0	0.0010
Benzo(a)anthracene	0.001	0.1	0.0001
Benzo(b)fluoranthene	0.002	0.1	0.0002
Benzo(k)fluoranthene	0.001	0.01	0.0000
Chrysene	0.002	0.001	0.0000
Dibenz(a,h)anthracene	0.001	1.0	0.0010
Indeno(1,2,3-cd)pyrene	0.001	0.1	0.0001

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = **0.00**

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	**Concentration Reported**	**Data Qualifier**	**Enter**
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name:	CSX Arden Mills Track Removal Project
Location:	Tampa, FL
Facility/Site ID No.:	Contract No. O-00619-KCA / PO No. 20220149 / KCA Project No. 1201947.03
Soil Sample No.	SB-24
Sample Date	2/3/2022
Location:	
Depth (ft):	0 - 6-in

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.110	1.0	0.1100
Benzo(a)anthracene	0.097	0.1	0.0097
Benzo(b)fluoranthene	0.150	0.1	0.0150
Benzo(k)fluoranthene	0.039	0.01	0.0004
Chrysene	0.089	0.001	0.0001
Dibenz(a,h)anthracene	0.025	1.0	0.0250
Indeno(1,2,3-cd)pyrene	0.094	0.1	0.0094

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.17

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	**Concentration Reported**	**Data Qualifier**	**Enter**
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name:	CSX Arden Mills Track Removal Project
Location:	Tampa, FL
Facility/Site ID No.:	Contract No. O-00619-KCA / PO No. 20220149 / KCA Project No. 1201947.03
Soil Sample No.	SB-25
Sample Date	2/3/2022
Location:	
Depth (ft):	0 - 6-in

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.042	1.0	0.0420
Benzo(a)anthracene	0.032	0.1	0.0032
Benzo(b)fluoranthene	0.067	0.1	0.0067
Benzo(k)fluoranthene	0.019	0.01	0.0002
Chrysene	0.038	0.001	0.0000
Dibenz(a,h)anthracene	0.010	1.0	0.0096
Indeno(1,2,3-cd)pyrene	0.038	0.1	0.0038

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.07

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	**Concentration Reported**	**Data Qualifier**	**Enter**
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name:	CSX Arden Mills Track Removal Project
Location:	Tampa, FL
Facility/Site ID No.:	Contract No. O-00619-KCA / PO No. 20220149 / KCA Project No. 1201947.03
Soil Sample No.	SB-26
Sample Date	2/3/2022
Location:	
Depth (ft):	0 - 6-in

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.260	1.0	0.2600
Benzo(a)anthracene	0.220	0.1	0.0220
Benzo(b)fluoranthene	0.370	0.1	0.0370
Benzo(k)fluoranthene	0.130	0.01	0.0013
Chrysene	0.230	0.001	0.0002
Dibenz(a,h)anthracene	0.066	1.0	0.0660
Indeno(1,2,3-cd)pyrene	0.250	0.1	0.0250

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.41

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	**Concentration Reported**	**Data Qualifier**	**Enter**
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name:	CSX Arden Mills Track Removal Project
Location:	Tampa, FL
Facility/Site ID No.:	Contract No. O-00619-KCA / PO No. 20220149 / KCA Project No. 1201947.03
Soil Sample No.	SB-27
Sample Date	2/3/2022
Location:	
Depth (ft):	0 - 6-in

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.003	1.0	0.0029
Benzo(a)anthracene	0.001	0.1	0.0001
Benzo(b)fluoranthene	0.004	0.1	0.0004
Benzo(k)fluoranthene	0.002	0.01	0.0000
Chrysene	0.002	0.001	0.0000
Dibenz(a,h)anthracene	0.001	1.0	0.0011
Indeno(1,2,3-cd)pyrene	0.002	0.1	0.0002

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = **0.00**

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	**Concentration Reported**	**Data Qualifier**	**Enter**
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name:	CSX Arden Mills Track Removal Project
Location:	Tampa, FL
Facility/Site ID No.:	Contract No. O-00619-KCA / PO No. 20220149 / KCA Project No. 1201947.03
Soil Sample No.	SB-28
Sample Date	2/3/2022
Location:	
Depth (ft):	0 - 6-in

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.089	1.0	0.0890
Benzo(a)anthracene	0.069	0.1	0.0069
Benzo(b)fluoranthene	0.150	0.1	0.0150
Benzo(k)fluoranthene	0.013	0.01	0.0001
Chrysene	0.089	0.001	0.0001
Dibenz(a,h)anthracene	0.019	1.0	0.0190
Indeno(1,2,3-cd)pyrene	0.077	0.1	0.0077

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.14

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	**Concentration Reported**	**Data Qualifier**	**Enter**
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name:	CSX Arden Mills Track Removal Project
Location:	Tampa, FL
Facility/Site ID No.:	Contract No. O-00619-KCA / PO No. 20220149 / KCA Project No. 1201947.03
Soil Sample No.	SB-29
Sample Date	2/4/2022
Location:	
Depth (ft):	0 - 6-in

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.220	1.0	0.2200
Benzo(a)anthracene	0.110	0.1	0.0110
Benzo(b)fluoranthene	0.380	0.1	0.0380
Benzo(k)fluoranthene	0.140	0.01	0.0014
Chrysene	0.088	0.001	0.0001
Dibenz(a,h)anthracene	0.055	1.0	0.0550
Indeno(1,2,3-cd)pyrene	0.200	0.1	0.0200

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.35

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	**Concentration Reported**	**Data Qualifier**	**Enter**
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name:	CSX Arden Mills Track Removal Project
Location:	Tampa, FL
Facility/Site ID No.:	Contract No. O-00619-KCA / PO No. 20220149 / KCA Project No. 1201947.03
Soil Sample No.	SB-30
Sample Date	2/4/2022
Location:	
Depth (ft):	0 - 6-in

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.660	1.0	0.6600
Benzo(a)anthracene	0.520	0.1	0.0520
Benzo(b)fluoranthene	1.100	0.1	0.1100
Benzo(k)fluoranthene	0.370	0.01	0.0037
Chrysene	0.520	0.001	0.0005
Dibenz(a,h)anthracene	0.170	1.0	0.1700
Indeno(1,2,3-cd)pyrene	0.630	0.1	0.0630

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 1.06

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown EXCEEDS the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	**Concentration Reported**	**Data Qualifier**	**Enter**
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name:	CSX Arden Mills Track Removal Project
Location:	Tampa, FL
Facility/Site ID No.:	Contract No. O-00619-KCA / PO No. 20220149 / KCA Project No. 1201947.03
Soil Sample No.	SB-31
Sample Date	2/4/2022
Location:	
Depth (ft):	0 - 6-in

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	1.100	1.0	1.1000
Benzo(a)anthracene	0.890	0.1	0.0890
Benzo(b)fluoranthene	2.100	0.1	0.2100
Benzo(k)fluoranthene	0.660	0.01	0.0066
Chrysene	0.840	0.001	0.0008
Dibenz(a,h)anthracene	0.290	1.0	0.2900
Indeno(1,2,3-cd)pyrene	1.100	0.1	0.1100

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 1.81

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown EXCEEDS the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	**Concentration Reported**	**Data Qualifier**	**Enter**
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name:	CSX Arden Mills Track Removal Project
Location:	Tampa, FL
Facility/Site ID No.:	Contract No. O-00619-KCA / PO No. 20220149 / KCA Project No. 1201947.03
Soil Sample No.	SB-32
Sample Date	2/4/2022
Location:	
Depth (ft):	0 - 6-in

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.100	1.0	0.1000
Benzo(a)anthracene	0.081	0.1	0.0081
Benzo(b)fluoranthene	0.150	0.1	0.0150
Benzo(k)fluoranthene	0.057	0.01	0.0006
Chrysene	0.110	0.001	0.0001
Dibenz(a,h)anthracene	0.026	1.0	0.0260
Indeno(1,2,3-cd)pyrene	0.097	0.1	0.0097

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.16

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	**Concentration Reported**	**Data Qualifier**	**Enter**
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name:	CSX Arden Mills Track Removal Project
Location:	Tampa, FL
Facility/Site ID No.:	Contract No. O-00619-KCA / PO No. 20220149 / KCA Project No. 1201947.03
Soil Sample No.	SB-33
Sample Date	2/4/2022
Location:	
Depth (ft):	0 - 6-in

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.120	1.0	0.1200
Benzo(a)anthracene	0.073	0.1	0.0073
Benzo(b)fluoranthene	0.210	0.1	0.0210
Benzo(k)fluoranthene	0.047	0.01	0.0005
Chrysene	0.099	0.001	0.0001
Dibenz(a,h)anthracene	0.029	1.0	0.0290
Indeno(1,2,3-cd)pyrene	0.100	0.1	0.0100

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.19

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	**Concentration Reported**	**Data Qualifier**	**Enter**
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name:	CSX Arden Mills Track Removal Project
Location:	Tampa, FL
Facility/Site ID No.:	Contract No. O-00619-KCA / PO No. 20220149 / KCA Project No. 1201947.03
Soil Sample No.	SB-34
Sample Date	2/4/2022
Location:	
Depth (ft):	0 - 6-in

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.260	1.0	0.2600
Benzo(a)anthracene	0.180	0.1	0.0180
Benzo(b)fluoranthene	0.410	0.1	0.0410
Benzo(k)fluoranthene	0.067	0.01	0.0007
Chrysene	0.170	0.001	0.0002
Dibenz(a,h)anthracene	0.057	1.0	0.0570
Indeno(1,2,3-cd)pyrene	0.200	0.1	0.0200

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.40

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	**Concentration Reported**	**Data Qualifier**	**Enter**
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name:	CSX Arden Mills Track Removal Project
Location:	Tampa, FL
Facility/Site ID No.:	Contract No. O-00619-KCA / PO No. 20220149 / KCA Project No. 1201947.03
Soil Sample No.	SB-35
Sample Date	2/4/2022
Location:	
Depth (ft):	0 - 6-in

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.280	1.0	0.2800
Benzo(a)anthracene	0.140	0.1	0.0140
Benzo(b)fluoranthene	0.470	0.1	0.0470
Benzo(k)fluoranthene	0.120	0.01	0.0012
Chrysene	0.220	0.001	0.0002
Dibenz(a,h)anthracene	0.061	1.0	0.0610
Indeno(1,2,3-cd)pyrene	0.220	0.1	0.0220

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.43

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	**Concentration Reported**	**Data Qualifier**	**Enter**
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name:	CSX Arden Mills Track Removal Project
Location:	Tampa, FL
Facility/Site ID No.:	Contract No. O-00619-KCA / PO No. 20220149 / KCA Project No. 1201947.03
Soil Sample No.	SB-36
Sample Date	2/4/2022
Location:	
Depth (ft):	0 - 6-in

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.690	1.0	0.6900
Benzo(a)anthracene	0.530	0.1	0.0530
Benzo(b)fluoranthene	1.400	0.1	0.1400
Benzo(k)fluoranthene	0.380	0.01	0.0038
Chrysene	0.580	0.001	0.0006
Dibenz(a,h)anthracene	0.160	1.0	0.1600
Indeno(1,2,3-cd)pyrene	0.610	0.1	0.0610

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 1.11

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown EXCEEDS the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	**Concentration Reported**	**Data Qualifier**	**Enter**
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name:	CSX Arden Mills Track Removal Project
Location:	Tampa, FL
Facility/Site ID No.:	Contract No. O-00619-KCA / PO No. 20220149 / KCA Project No. 1201947.03
Soil Sample No.	SB-37
Sample Date	2/4/2022
Location:	
Depth (ft):	0 - 6-in

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.120	1.0	0.1200
Benzo(a)anthracene	0.081	0.1	0.0081
Benzo(b)fluoranthene	0.280	0.1	0.0280
Benzo(k)fluoranthene	0.062	0.01	0.0006
Chrysene	0.081	0.001	0.0001
Dibenz(a,h)anthracene	0.079	1.0	0.0790
Indeno(1,2,3-cd)pyrene	0.360	0.1	0.0360

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.27

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	**Concentration Reported**	**Data Qualifier**	**Enter**
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name:	CSX Arden Mills Track Removal Project
Location:	Tampa, FL
Facility/Site ID No.:	Contract No. O-00619-KCA / PO No. 20220149 / KCA Project No. 1201947.03
Soil Sample No.	SB-38
Sample Date	2/4/2022
Location:	
Depth (ft):	0 - 6-in

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.330	1.0	0.3300
Benzo(a)anthracene	0.190	0.1	0.0190
Benzo(b)fluoranthene	0.600	0.1	0.0600
Benzo(k)fluoranthene	0.160	0.01	0.0016
Chrysene	0.330	0.001	0.0003
Dibenz(a,h)anthracene	0.075	1.0	0.0750
Indeno(1,2,3-cd)pyrene	0.300	0.1	0.0300

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.52

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	**Concentration Reported**	**Data Qualifier**	**Enter**
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name:	CSX Arden Mills Track Removal Project
Location:	Tampa, FL
Facility/Site ID No.:	Contract No. O-00619-KCA / PO No. 20220149 / KCA Project No. 1201947.03
Soil Sample No.	SB-39
Sample Date	2/4/2022
Location:	
Depth (ft):	0 - 6-in

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.480	1.0	0.4800
Benzo(a)anthracene	0.390	0.1	0.0390
Benzo(b)fluoranthene	0.740	0.1	0.0740
Benzo(k)fluoranthene	0.280	0.01	0.0028
Chrysene	0.460	0.001	0.0005
Dibenz(a,h)anthracene	0.130	1.0	0.1300
Indeno(1,2,3-cd)pyrene	0.530	0.1	0.0530

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.78

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown EXCEEDS the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	**Concentration Reported**	**Data Qualifier**	**Enter**
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name:	CSX Arden Mills Track Removal Project
Location:	Tampa, FL
Facility/Site ID No.:	Contract No. O-00619-KCA / PO No. 20220149 / KCA Project No. 1201947.03
Soil Sample No.	SB-40
Sample Date	2/4/2022
Location:	
Depth (ft):	0 - 6-in

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.470	1.0	0.4700
Benzo(a)anthracene	0.420	0.1	0.0420
Benzo(b)fluoranthene	0.710	0.1	0.0710
Benzo(k)fluoranthene	0.180	0.01	0.0018
Chrysene	0.380	0.001	0.0004
Dibenz(a,h)anthracene	0.110	1.0	0.1100
Indeno(1,2,3-cd)pyrene	0.400	0.1	0.0400

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.74

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	**Concentration Reported**	**Data Qualifier**	**Enter**
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

APTIM

PID/FID DETECTOR CALIBRATION LOG

Project Name: THEA @ Arden Mills Project No. 361024068 Date: 2/1/22

Calibrated by: Chase Beale Instrument Number: 134RN

Time	Probe Type	Battery Charged (Y/N)	Calibration Standard	Calibration Standard Concentration (ppm)	Span Setting	Meter Scale Setting	Zeroed (Y/N)	Expected Meter Reading	Actual Meter Reading (ppm)
1105	PID	Y	150	100.0	/	/	Y	100	99.8

APTIM

PID/FID DETECTOR CALIBRATION LOG

Project Name: THEA Ogden M/S Project No. 361024068 Date: 2/2/22

Calibrated by: Chase Beale Instrument Number: 134RN

Time	Probe Type	Battery Charged (Y/N)	Calibration Standard	Calibration Standard Concentration (ppm)	Span Setting	Meter Scale Setting	Zeroed (Y/N)	Expected Meter Reading	Actual Meter Reading (ppm)
855	PID	Y	150	100	/	/	Y	100	99.9

APTIM

PID/FID DETECTOR CALIBRATION LOG

Project Name: THEA @ Arden Mills Project No. 361024068 Date: 2/ /22

Calibrated by: Chase Beale Instrument Number: 1314RW

Time	Probe Type	Battery Charged (Y/N)	Calibration Standard	Calibration Standard Concentration (ppm)	Span Setting	Meter Scale Setting	Zeroed (Y/N)	Expected Meter Reading	Actual Meter Reading (ppm)
910	PID	Y	150	100	/	/	Y	100	99.9

APTIM

PID/FID DETECTOR CALIBRATION LOG

Project Name: THEA @ Arden Mills Project No. 361024069 Date: 2/4/22

Calibrated by: Chase Beale Instrument Number: 134RN

Time	Probe Type	Battery Charged (Y/N)	Calibration Standard	Calibration Standard Concentration (ppm)	Span Setting	Meter Scale Setting	Zeroed (Y/N)	Expected Meter Reading	Actual Meter Reading (ppm)
905	PID	Y	150	100	/	/	Y	100	99.8

Appendix C
Field Notes

Location N Meridian Date 11/22

Project / Client THEA CSX Ardenwilds Track Removal

631024069 Temp 65°

0900 arrived at the office, began getting daily tailgate

0930 departed for Site

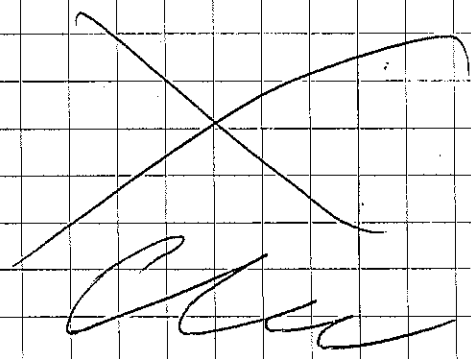
1100 arrived on Site conducted tailgate Safety meeting and discussed work for the day

1150 started SB at the south side of property with SB-1

- SB-1 - SB-4 completed
- mapping will work for the next few days.

1450 departed Site for office

1520 arrived back at office.



Rain in the Rain

118

Location N Maridian Date 2/2/22

Project / Client THEA CSX Arden Mills Track Removal

Q1024069 Sunny 65°

0800	Arrived at office began getting truck ready
0830	Departed for site
0850	arrived on site calibrate PID
0900	started Soil Borings • See logs for time. Boring S-16 completed to 12' and Sampled
1350 ~~1425~~	finished Cleaning up site and departed for lab.
1425	dropped off Samples at lab, departed for office
1440	arrived back at office

119

Location N Maridian Date 2/3/22

Project / Client THEA CSX Arden Mills Track removal

G31024069 Sunny 70°

0800	Arrived at office began getting truck ready.
0830	departed for site
0900	arrived on Stake Site
0915	Calibrate PID and started SB
0930	Started SB-27
	SB-17-29 completed
1400	finished Cleaning up Site decided for office.
1425	arrived back at office

Return the Favor

120

Location N Madison Date 2/10/22

Project / Client TIED CSX Acden Mills Track Renew

6310249089 Sunny 69°

0900 Arrived on active barges getting tools ready.

0935 departed for site

0950 arrived on site

0955 began SB and ballast collection for sampling

1340 finished cleaning up site departed for lab.

dicking off samples at lab

arrived back at office

Location 7th S

Project / Client

Fac ID 41

0800 arrive

rain

0845 depart

1010 arrive

about

• open

1123 Start

1142 Samp

1203 Start

1222 Sample

1237 Start

1256 Sample

1305 Start

1324 Sampl

1415 Start

finish

1520 arriv

• call

Rain in the Rain

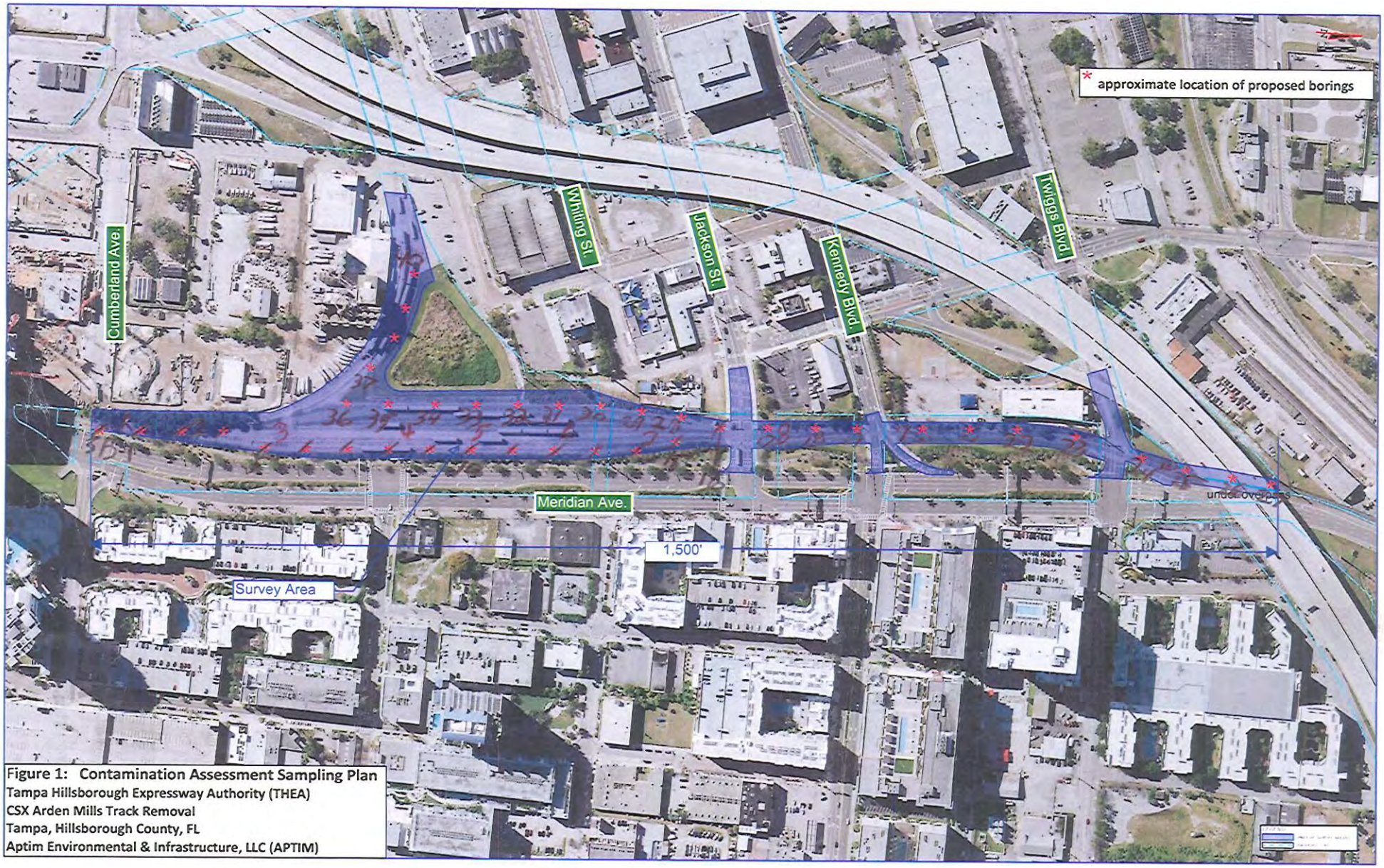


Figure 1: Contamination Assessment Sampling Plan
Tampa Hillsborough Expressway Authority (THEA)
CSX Arden Mills Track Removal
Tampa, Hillsborough County, FL
Aptim Environmental & Infrastructure, LLC (APTIM)

TABLE ___: SOIL SCREENING SUMMARY

Facility Name: THEA CSX Arden Mills Facility ID#:

SAMPLE			OVA SCREENING RESULTS				
BORING NO.	DATE COLLECTED	DEPTH TO WATER	SAMPLE INTERVAL (FBLS)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
SB-1	2/1/22 1134	N/A	0-6"	0.0			dark Brown / red Silty Sand
			1'	0.0			↓
			2'	0.0			red Silty Sand
SB-2	2/1/22 1150	N/A	0-6"	0.0			dark Brown dark sand
			1'	0.0			dk Brown red Sand
			2'	0.0			red Sand
SB-3	2/1/22 1215	N/A	0-6"	0.0			dark brown red Sand
			1'	0.0			red Sand
			2'	0.0			↓
SB-4	2/1/22 1325	N/A	0-6"	0.0			dark Brown red Sand
			1'	0.0			red Sand
			2'	0.0			↓
SB-5	2/2/22 1020	N/A	0-6"	0.0			red Silty Sand
			1'	0.0			↓
			2'	0.0			↓
SB-6	2/2/22 1050	N/A	0-6"	0.0			red Silty Sand
			1'	0.0			↓
			2'	0.0			↓
SB-7	2/2/22 1115	N/A	0-6"	0.0			red Silty Sand
			1'	0.0			↓
			2'	0.0			↓

TABLE ___: SOIL SCREENING SUMMARY

Facility Name: THEA CSX Arden Mills Facility ID#:

SAMPLE			OVA SCREENING RESULTS				
BORING NO.	DATE COLLECTED	DEPTH TO WATER	SAMPLE INTERVAL (FBLS)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
SB-9	2/2/12 1135	N.A	0-6"	0.0			red/black silty sand ↓ red silty sand
			1'	0.0			
			2'	0.0			
SB-9	2/2/12 1150	NA	0-6"	0.0			black silty sand ↓ red silty sand
			1'	0.0			
			2'	0.0			
SB-10	2/2/12 1210	NA	0-6"	0.0			black and red silty sand ↓
			1'	0.0			
			2'	0.0			
SB-11	2/2/12 1225	N.A	0-6"	0.0			black and red silty sand ↓
			1'	0.0			
			2'	0.0			
SB-12	2/2/12 1245	NA	0-6"	0.0			Tan and black silty sand ↓ Brown silty sand
			1'	0.0			
			2'	0.0			
SB-13	2/2/12 1255	NA	0-6"	0.0			red and black silty sand ↓
			1'	0.0			
			2'	0.0			
SB-14	2/2/12 1315	NA	0-6"	0.0			black and red silty sand ↓ red silty sand
			1'	0.0			
			2'	0.0			

TABLE ___: SOIL SCREENING SUMMARY

Facility Name: THEA CSX Arden Mills Facility ID#:

SAMPLE			OVA SCREENING RESULTS				
BORING NO.	DATE COLLECTED	DEPTH TO WATER	SAMPLE INTERVAL (FBLS)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
SB-15	2/2/22 1335	N/A	0-6"	0.0			red and black silty sand
			1'	0.0			
			2'	0.0			
				0			
SB-16	2/2/22 1355	N/A	0-6"	0.0			dark brown silty sand
			1'	0.0			
			2'	0.0			
SB-27	2/3/22 940	N/A	0-6"	0.0			dark brown silty sand
			1'	0.0			
			2'	0.0			
				0			
SB-26	2/3/22 1000	N/A	0-6"	0.0			dark gray silty sand
			1'	0.0			
			2'	0.0			
SB-25	2/3/22 1020	N/A	0-6"	0.0			light brown silty sand
			1'	0.0			
			2'	0.0			
SB-24	2/3/22 1040	N/A	0-6"	0.0			brown silty sand
			1'	0.0			dark gray silty sand
			2'	0.0			
SB-23	2/3/22 1100	N/A	0-6"	0.0			dark brown red tint
			1'	0.0			
			2'	0.0			

TABLE ___: SOIL SCREENING SUMMARY

Facility Name: THEA CSX Arden Mills Facility ID#:

SAMPLE			OVA SCREENING RESULTS				
BORING NO.	DATE COLLECTED	DEPTH TO WATER	SAMPLE INTERVAL (FBLS)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
SB-22	2/3/22 1120	NA	0-6"	0.0			dark Brown Grey silty Sand
			1'	0.0			↓
			2'	0.0			
SB-21	2/3/22 1140	NA	0-6"	0.0			Grey Brown silty Sand
			1'	0.0			↓
			2'	0.0			Brown silty Sand
SB-20	2/3/22 1100	NA	0-6"	0.0			Grey silty Sand
			1'	0.0			↓
			2'	0.0			Brown silty Sand
SB-19	2/3/22 1220	NA	0-6"	0.0			dark silty Sand
			1'	0.0			↓
			2'	0.0			grad silty Sand
SB-18	2/3/22 1240	NA	0-6"	0.0			dark tan silty Sand
			1'	0.0			↓
			2'	0.0			
SB-17	2/3/22 1300	NA	0-6"	0.0			Tan silty Sand
			1'	0.0			↓
			2'	0.0			
SB-16	2/3/22 1320	NA	0-6"	0.0			dark brown silty Sand
			1'	0.0			↓
			2'	0.0			

TABLE ___: SOIL SCREENING SUMMARY

Facility Name: THEA CSX Arden Mills Facility ID#:

SAMPLE			OVA SCREENING RESULTS				
BORING NO.	DATE COLLECTED	DEPTH TO WATER	SAMPLE INTERVAL (FBLS)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
SB-29	2/4/22 1000	NA	0-6"	0.0			dark brown silty Sand
			1'	0.0			↓
			2'	0.0			dark brown/Gray silty Sand
SB-30	2/4/22 1020	NA	0-6"	0.0			light/dark Gray silty Sand
			1'	0.0			↓
			2'	0.0			
SB-31	2/4/22 1040	NA	0-6'	0.0			dark brown silty Sand
			1'	0.0			↓
			2'	0.0			
SB-32	2/4/22 1100	NA	0-6'	0.0			dark brown silty Sand
			1'	0.0			↓
			2'	0.0			
SB-33	2/4/22 1120	NA	0-6'	0.0			dark brown silty Sand
			1'	0.0			↓
			2'	0.0			
SB-34	2/4/22 1140	NA	0-6"	0.0			dark brown silty Sand
			1'	0.0			↓
			2'	0.0			
SB-35	2/4/22 1200	NA	0-6"	0.0			dark brown silty Sand
			1'	0.0			
			2'	0.0			

TABLE ___: SOIL SCREENING SUMMARY

Facility Name: THEA CSX Arden Mills Facility ID#:

SAMPLE			OVA SCREENING RESULTS				
BORING NO.	DATE COLLECTED	DEPTH TO WATER	SAMPLE INTERVAL (FBLS)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
SB-36	2/4/22 1215	NA	0-6"	0.0			dark brown silty sand
			1'	0.0			
			2'	0.0			
				0			
SB-37	2/4/22 1230	NA	0-6"	0.0			dark brown silty sand
			1'	0.0			
			2'	0.0			
SB-38	2/4/22 1245	NA	0-6"	0.0			dark brown silty sand
			1'	0.0			
			2'	0.0			
SB-39	2/4/22 1300	NA	0-6"	0.0			dark brown silty sand
			1'	0.0			
			2'	0.0			
SB-40	2/4/22 1320	NA	0-6"	0.0			dark brown silty sand
			1'	0.0			
			2'	0.0			