# ATTACHMENT E

**Spill Files**

| SpillNum_txt | Spill Number | Date Spill Reported | Spill Name | Country | State | County | City_Town | Zip.Code | Address | Address_trim | Address_full | Material Spilled | Amount Spilled | Resource Affected | Source | Cause |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **East Hampton** | | | | | | | | | | | | | | | | |
| 0008942 | 8942 | 11/1/2000 | UNKNOWN | United States | New York | Suffolk | EAST HAMPTON | 11937 | RTE 114/STEPHEN HANDS PAT | RTE 114/STEPHEN HANDS PAT | RTE 114/STEPHEN HANDS PAT, EAST HAMPTON, NY 11937 | Other | Unknown | Soil | Unknown | Equipment Failure |
| **Wainscott** | | | | | | | | | | | | | | | | |
| 0805525 | 805525 | 8/13/2008 | RESIDENCE | United States | New York | Suffolk | WAINSCOTT | 11975 | 54 BEACH LANE | 54 BEACH LANE | 54 BEACH LANE, WAINSCOTT, NY 11975 | #2 fuel oil | Unknown | Soil | Private Dwelling | Unknown |
| 9209204 | 9209204 | 11/5/1992 | RESIDENCE | United States | New York | Suffolk | WAINSCOTT | 11975 | BEACH LANE | BEACH LANE | BEACH LANE, WAINSCOTT, NY 11975 | #2 fuel oil | Unknown | Groundwater | Private Dwelling | Unknown |
| 0000997 | 0000997 | 4/25/2000 | FINLEY RESIDENCE | United States | New York | Suffolk | WAINSCOTT | 11975 | 8 BEACH LANE | 8 BEACH LANE | 8 BEACH LANE, WAINSCOTT, NY 11975 | #2 fuel oil | Unknown | Soil | Private Dwelling | Equipment Failure |
| 8809211 | 8809211 | 2/27/1989 | LILCO | United States | New York | Suffolk | WAINSCOTT | 11975 | WAINSCOTT ROAD | WAINSCOTT ROAD | WAINSCOTT ROAD, WAINSCOTT, NY 11975 | Non PCB oil | 1 Gal. | Soil | Institutional, Educational, Gov., Other | Traffic Accident |
| 8800547 | 8800547 | 4/18/1988 | EASTHAMPTON AIRPORT | United States | New York | Suffolk | WAINSCOTT | 11975 | DANIEL SHORE ROAD | DANIEL SHORE ROAD | DANIEL SHORE ROAD, WAINSCOTT, NY 11975 | Gasoline | Unknown | Groundwater | Commercial/Industrial | Tank Test Failure |
| 8905618 | 8905618 | 9/7/1989 | GRIMES CONTRACTING | United States | New York | Suffolk | WAINSCOTT | 11975 | MONTAUK HWY & WAINSCOTT N\ | MONTAUK HWY & WAINSCOTT N | MONTAUK HWY & WAINSCOTT NW ROAD, WAINSCOTT, NY 11 | #2 fuel oil | Unknown | Soil | Commercial/Industrial | Housekeeping |
| 8905619 | 8905619 | 9/5/1989 | WAINSCOTT SAND & GRAVEL | United States | New York | Suffolk | WAINSCOTT | 11975 | MONTAUK HIGHWAY | MONTAUK HIGHWAY | MONTAUK HIGHWAY, WAINSCOTT, NY 11975 | Unknown petroleum | Unknown | Surface Water | Unknown | Unknown |
| 9301937 | 9301937 | 5/11/1993 | WALT DISNEY IMAGINEERING | United States | New York | Suffolk | WAINSCOTT | 11975 | NORTH WEST ROAD | NORTH WEST ROAD | NORTH WEST ROAD, WAINSCOTT, NY 11975 | #2 fuel oil | Unknown | Groundwater | Commercial/Industrial | Tank Test Failure |

# NYSDEC SPILL REPORT FORM

**DEC REGION:** 1 **SPILL NUMBER:** 0000997

**SPILL NAME:** FINLEY RESIDENCE **DEC LEAD:** HMCIRRIT

**SPILL DATE:** 04/25/2000 **SPILL TIME:** 11:31 am

**CALL RECEIVED DATE:** 04/25/2000 **RECEIVED TIME:** 12:30 pm

## SPILL LOCATION

**PLACE:** FINLEY RESIDENCE **COUNTY:** Suffolk

**STREET:** 8 BEACH LANE **TOWN/CITY:** East Hampton

**COMMUNITY:** WAINSCOTT

**CONTACT:** **CONTACT PHONE:**

**CONT. FACTOR:** Equipment Failure **SPILL REPORTED BY:** Other

**FACILITY TYPE:** Private Dwelling **WATERBODY:**

**CALLER REMARKS:**

perforated oil line in crawl space - no clean up - owner to be advised of situation - poss up to 250 gals of product in tank

| MATERIAL | CLASS | SPILLED | RECOVERED | RESOURCES AFFECTED |
|---|---|---|---|---|
| #2 fuel oil | Petroleum | 0 G | 0 G | Soil, |

## POTENTIAL SPILLERS

| COMPANY | ADDRESS | CONTACT |
|---|---|---|
| FINLEY RESIDENCE | 8 BEACH LANE WAINSCOTT NY | CAROL FINLEY |

| Tank No. | Tank Size | Material | Cause | Source | Test Method | Leak Rate | Gross Failure |
|---|---|---|---|---|---|---|---|

**DEC REMARKS:**

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "CIRRITO WELL"
TELECON WITH ARTHUR AT WC ESP OIL, OWNER CONTACTED AND CHECKING WITH INSURANCE CO, NEW ACCT YEAR AGO, OLD FARM HOUSE 2/3 BASEMENT, FULL TANK 3/27 FOUND EMPTY 4/20, LONG OIL LINE UNDER CRAW SPACE FOUND STAIN/SPILL UNDER MAIN PART OF HOUSE UNDER CLOSET ACCESS, TANK SHUT OFF,NO ONE IN HOUSE NOW, WILL DELIVER RECPTS, ESTIMATE 1/23/00 190 GALS, 2/21/00 230 GALS, 3/22 244 GHALS, TELECON T CAROL FINELY, WANTS INSPECTION ODOR PROBLEM IN HOUSE, WANTS TO RENT 6/1/00

**PIN** **T & A** **COST CENTER**

**CLASS:** B3 **CLOSE DATE:** 12/06/2001 **MEETS STANDARDS:** True

Created On: 04/25/2000

Date Printed: 10/26/2020 Last Updated: 11/02/2011

# NYSDEC SPILL REPORT FORM

**DEC REGION:** 1 **SPILL NUMBER:** 0008942

**SPILL NAME:** UNKNOWN **DEC LEAD:** UNASSIGNED

**SPILL DATE:** 11/01/2000 **SPILL TIME:** 2:00 pm

**CALL RECEIVED DATE:** 11/01/2000 **RECEIVED TIME:** 3:12 pm

## SPILL LOCATION

**PLACE:** UNKNOWN **COUNTY:** Suffolk

**STREET:** RTE 114/STEPHEN HANDS PAT **TOWN/CITY:** East Hampton

**COMMUNITY:** EAST HAMPTON

**CONTACT:** RICHARD PETTY **CONTACT PHONE:** (631) 726-4750

**CONT. FACTOR:** Equipment Failure **SPILL REPORTED BY:** Citizen

**FACILITY TYPE:** Unknown **WATERBODY:**

**CALLER REMARKS:**

complaint states there is a oil spill on the road for about 2 to 3 miles.

| MATERIAL | CLASS | SPILLED | RECOVERED | RESOURCES AFFECTED |
|---|---|---|---|---|
| other | Other | 0 G | 0 G | Soil, |

## POTENTIAL SPILLERS

| COMPANY | ADDRESS | CONTACT |
|---|---|---|
| UNKNOWN | NY | |

| Tank No. | Tank Size | Material | Cause | Source | Test Method | Leak Rate | Gross Failure |
|---|---|---|---|---|---|---|---|

**DEC REMARKS:**

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "NONE"
TOWN OF EAST HAMPTON NATURAL RESOURCES NOTIFIED, THEY WILL INVESTIGATE AND CALL BACK WITH DETAILS.

BOB MASON EAST HAMPTON RESOURCES CALLED, CHECKED AREA, VERY FAINT ODOR IN AREA, NO RESIDUE FOUND, NOTICED SOME SAND IN AREA, BUT CAN'T CONFIRM IT WAS FOR ANY SPILL,NO TRAFFIC HAZARD

**PIN** **T & A** **COST CENTER**

**CLASS:** C3 **CLOSE DATE:** 11/01/2000 **MEETS STANDARDS:** True

# NYSDEC SPILL REPORT FORM

| | | | |
|---|---|---|---|
| **DEC REGION:** | 1 | **SPILL NUMBER:** | 0805525 |
| **SPILL NAME:** | RESIDENCE | **DEC LEAD:** | bxdonova |
| **SPILL DATE:** | 08/13/2008 | **SPILL TIME:** | 10:13 am |
| **CALL RECEIVED DATE:** | 08/13/2008 | **RECEIVED TIME:** | 10:13 am |

## SPILL LOCATION

| | | | |
|---|---|---|---|
| **PLACE:** | RESIDENCE | **COUNTY:** | Suffolk |
| **STREET:** | 54 BEACH LANE | **TOWN/CITY:** | Southampton |
| | | **COMMUNITY:** | WAINSCOTT |
| **CONTACT:** | THOMAS WOODARD | **CONTACT PHONE:** | (212) 794-9404 |

| | | | |
|---|---|---|---|
| **CONT. FACTOR:** | Unknown | **SPILL REPORTED BY:** | Other |
| **FACILITY TYPE:** | Private Dwelling | **WATERBODY:** | |

**CALLER REMARKS:**

MAY HAVE OCCURED OVER THE LAST 3 MONTHS; PERSONEL IN ROUTE TO INVESTIAGTE; STEPHANIE IS ALSO REQUESTING A CALL BACK

| MATERIAL | CLASS | SPILLED | RECOVERED | RESOURCES AFFECTED |
|---|---|---|---|---|
| #2 fuel oil | Petroleum | | 0 G | Soil, |

## POTENTIAL SPILLERS

| COMPANY | ADDRESS | CONTACT |
|---|---|---|
| RESIDENCE | 54 BEACH LANE WAINSCOTT NY | THOMAS WOODARD<br>(212) 794-9404 |

| Tank No. | Tank Size | Material | Cause | Source | Test Method | Leak Rate | Gross Failure |
|---|---|---|---|---|---|---|---|

**DEC REMARKS:**

13 AUG 2008 1125 CALLED WOODS
- SITE IS RENTAL USED ONLY DURING WEEKENDS
- SCHENCK FUEL RECEIVED CALL THAT VEGETATION NEAR TANK IS DYING
- TANK IS 550 GAL 1-LINE SYSTEM FOR HOT WATER ONLY (HOUSE HAS PROPANE HEAT); LAST DELIVERY WAS 5/
- 'SCHENCK FOUND OILY SOIL ALONG THE LINE AND CALLED RESOPNSE'
* THERE MAY HAVE BEEN LANDSCAPING DONE IN AREA OF LINE
* RESPONSE CALLED CLEAR VIEW, WHO IS ON SITE NOW INSPECTING

13 AUG 2008 1455 KEN WATSON (CLEAR VIEW) CALLED
- TANK STILL HAS 36" OF OIL
- SCHENCK FUEL TO SET UP TEMPORARY TANK & TRANSFER PRODUCT
- WATSON SUSPECTS LINE LEAK

**Tank removed, subsurface investigation performed, No contamination found.

# NYSDEC SPILL REPORT FORM

**DEC REGION:** 1 **SPILL NUMBER:** 0805525

**SPILL NAME:** RESIDENCE **DEC LEAD:** bxdonova

**PIN** **T & A** **COST CENTER**

**CLASS:** C3 **CLOSE DATE:** 08/15/2011 **MEETS STANDARDS:** False

# NYSDEC SPILL REPORT FORM

**DEC REGION:** 1 **SPILL NUMBER:** 8800547

**SPILL NAME:** EASTHAMPTON AIRPORT **DEC LEAD:** KDGOERTZ

**SPILL DATE:** 04/16/1988 **SPILL TIME:** 5:00 pm

**CALL RECEIVED DATE:** 04/18/1988 **RECEIVED TIME:** 8:56 am

## SPILL LOCATION

**PLACE:** EASTHAMPTON AIRPORT **COUNTY:** Suffolk

**STREET:** DANIEL SHORE ROAD **TOWN/CITY:** East Hampton

**COMMUNITY:** WAINSCOTT

**CONTACT:** **CONTACT PHONE:**

**CONT. FACTOR:** Tank Test Failure **SPILL REPORTED BY:** Tank Tester

**FACILITY TYPE:** Commercial/Industrial **WATERBODY:**

**CALLER REMARKS:**
STEEL 10K TANK FAILURE -.841 TYREE TESTER

| MATERIAL | CLASS | SPILLED | RECOVERED | RESOURCES AFFECTED |
|---|---|---|---|---|
| gasoline | Petroleum | 0 G | 0 G | GW, |

## POTENTIAL SPILLERS

| COMPANY | ADDRESS | CONTACT |
|---|---|---|
| EASTHAMPTON AIRPORT | PO BOX 730 WAINSCOTT NY | (516) 537-1631 |

| Tank No. | Tank Size | Material | Cause | Source | Test Method | Leak Rate | Gross Failure |
|---|---|---|---|---|---|---|---|
| | 0 | gasoline | | | 00 | 0.00 | |

**DEC REMARKS:**

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "GOERTZ FD"
05/20/88: TYREE RETESTED SYSTEM AFTER REPAIRING DISCHARGE LINE & INSTALLING A STICKLINE & BLEEDER-SYSTEM PASSED. DEC NOT PRESENT DURING RETEST.

10/10/95: This is additional information about material spilled from the translation of the old spill file: AVIATION GAS.

FILE HAS BEEN DESTROYED ACCORDING TO STATE ARCHIVE AND RECORD ADMINISTRATOR RETENTION/DISPOSAL PROCEDURES

**PIN** **T & A** **COST CENTER**

**CLASS:** C4 **CLOSE DATE:** 06/07/1988 **MEETS STANDARDS:** True

Created On: 04/20/1988

Date Printed: 10/26/2020 Last Updated: 10/26/2020

# NYSDEC SPILL REPORT FORM

| | | | |
|---|---|---|---|
| **DEC REGION:** | 1 | **SPILL NUMBER:** | 8809211 |
| **SPILL NAME:** | LILCO | **DEC LEAD:** | UNASSIGNED |
| **SPILL DATE:** | 02/27/1989 | **SPILL TIME:** | 10:08 am |
| **CALL RECEIVED DATE:** | 02/27/1989 | **RECEIVED TIME:** | 1:40 pm |

## SPILL LOCATION

| | | | |
|---|---|---|---|
| **PLACE:** | LILCO | **COUNTY:** | Suffolk |
| **STREET:** | WAINSCOTT ROAD | **TOWN/CITY:** | East Hampton |
| | | **COMMUNITY:** | WAINSCOTT |
| **CONTACT:** | | **CONTACT PHONE:** | |

| | | | |
|---|---|---|---|
| **CONT. FACTOR:** | Traffic Accident | **SPILL REPORTED BY:** | Responsible Party |
| **FACILITY TYPE:** | Institutional, Educational, Gov., Other | **WATERBODY:** | |

**CALLER REMARKS:**

POLE 10B. NEG PCB.VEHICLE HIT POLE & RATTLED TRANSFORMER. LILCO CLEANING UP

| MATERIAL | CLASS | SPILLED | RECOVERED | RESOURCES AFFECTED |
|---|---|---|---|---|
| non PCB oil | Petroleum | 1 G | 0 G | Soil, |

## POTENTIAL SPILLERS

| COMPANY | ADDRESS | CONTACT |
|---|---|---|
| LILCO | ZZ | |

| Tank No. | Tank Size | Material | Cause | Source | Test Method | Leak Rate | Gross Failure |
|---|---|---|---|---|---|---|---|

**DEC REMARKS:**

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "NONE FD"
02/28/89: NO RESPONSE NEEDED.

FILE HAS BEEN DESTROYED ACCORDING TO STATE ARCHIVE AND RECORD ADMINISTRATOR RETENTION/DISPOSAL PROCEDURES

| PIN | T & A | COST CENTER |
|---|---|---|

**CLASS:** **CLOSE DATE:** 02/28/1989 **MEETS STANDARDS:** True

# NYSDEC SPILL REPORT FORM

**DEC REGION:** 1 **SPILL NUMBER:** 8905618

**SPILL NAME:** GRIMES CONTRACTING **DEC LEAD:** HOFMANN

**SPILL DATE:** 09/07/1989 **SPILL TIME:** 2:15 pm

**CALL RECEIVED DATE:** 09/07/1989 **RECEIVED TIME:** 2:45 pm

## SPILL LOCATION

**PLACE:** GRIMES CONTRACTING **COUNTY:** Suffolk

**STREET:** MONTAUK HWY & WAINSCOTT NW ROAD **TOWN/CITY:** East Hampton

**COMMUNITY:** WAINSCOTT

**CONTACT:** **CONTACT PHONE:**

**CONT. FACTOR:** Housekeeping **SPILL REPORTED BY:** DEC

**FACILITY TYPE:** Commercial/Industrial **WATERBODY:**

**CALLER REMARKS:**

| MATERIAL | CLASS | SPILLED | RECOVERED | RESOURCES AFFECTED |
|---|---|---|---|---|
| #2 fuel oil | Petroleum | 0 G | 0 G | Soil, |

## POTENTIAL SPILLERS

| COMPANY | ADDRESS | CONTACT |
|---|---|---|
| GRIMES CONTRACTING | PO BOX DRAW D MONTAUK NY | DEBRA OR CHARLIE GRIM<br>668-5332 |

| Tank No. | Tank Size | Material | Cause | Source | Test Method | Leak Rate | Gross Failure |
|---|---|---|---|---|---|---|---|

**DEC REMARKS:**

ADVISED MGR TO REMOVE CONT SOIL AND PROVIDE CONTAINMENT FOR 1K DIESEL TANK AND WASTE OIL DRUMS, ECO BILLOTTO TO CHECK ON PROGRESS, L PENNY TOWN OF EASTHAMPTON TO BE CONTACTED FOR DISPOSAL OF SOIL, 2 YDS CONT SOIL REMOVED 9/23/89

**PIN** **T & A** **COST CENTER**

**CLASS:** C2 **CLOSE DATE:** 02/06/1990 **MEETS STANDARDS:** True

# NYSDEC SPILL REPORT FORM

**DEC REGION:** 1 **SPILL NUMBER:** 8905619

**SPILL NAME:** WAINSCOTT SAND & GRAVEL **DEC LEAD:** HOFMANN

**SPILL DATE:** 09/05/1989 **SPILL TIME:** 12:00 pm

**CALL RECEIVED DATE:** 09/05/1989 **RECEIVED TIME:** 2:15 pm

## SPILL LOCATION

**PLACE:** WAINSCOTT SAND & GRAVEL **COUNTY:** Suffolk

**STREET:** MONTAUK HIGHWAY **TOWN/CITY:** East Hampton

**COMMUNITY:** WAINSCOTT

**CONTACT:** **CONTACT PHONE:**

**CONT. FACTOR:** Unknown **SPILL REPORTED BY:** DEC

**FACILITY TYPE:** Unknown **WATERBODY:**

**CALLER REMARKS:**
OIL SLICK ON POND

| MATERIAL | CLASS | SPILLED | RECOVERED | RESOURCES AFFECTED |
|---|---|---|---|---|
| unknown petroleum | Petroleum | 0 G | 0 G | SW, |

## POTENTIAL SPILLERS

| COMPANY | ADDRESS | CONTACT |
|---|---|---|
| WAINSCOTT SAND & GRAVEL | MONTAUK HIGHWAY WAINSCOTT NY | |

| Tank No. | Tank Size | Material | Cause | Source | Test Method | Leak Rate | Gross Failure |
|---|---|---|---|---|---|---|---|

**DEC REMARKS:**

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "HOFMANN FD"
09/12/89: INSPECTED WITH ECO BILLOTTO 2 TANKS ON BARGE ( OLD DREDGE). NOT LEAKING BUT PARTIALLY SUBMERGED.

FILE HAS BEEN DESTROYED ACCORDING TO STATE ARCHIVE AND RECORD ADMINISTRATOR RETENTION/DISPOSAL PROCEDURES

**PIN** **T & A** **COST CENTER**

**CLASS:** C4 **CLOSE DATE:** 09/12/1989 **MEETS STANDARDS:** True

Created On: 09/12/1989

Date Printed: 10/26/2020 Last Updated: 10/26/2020

# NYSDEC SPILL REPORT FORM

**DEC REGION:** 1 **SPILL NUMBER:** 9209204

**SPILL NAME:** RESIDENCE **DEC LEAD:** KAKISPER

**SPILL DATE:** 11/05/1992 **SPILL TIME:** 12:00 pm

**CALL RECEIVED DATE:** 11/05/1992 **RECEIVED TIME:** 6:45 pm

## SPILL LOCATION

**PLACE:** RESIDENCE **COUNTY:** Suffolk

**STREET:** BEACH LANE **TOWN/CITY:** East Hampton

**COMMUNITY:** WAINSCOTT

**CONTACT:** **CONTACT PHONE:**

**CONT. FACTOR:** Unknown **SPILL REPORTED BY:** Citizen

**FACILITY TYPE:** Private Dwelling **WATERBODY:**

**CALLER REMARKS:**

CONCERNED CITIZEN DID NOT WANT TO LEAVE NAME,SAID THAT HOUSE IS UNDER RENOVATION & OLD TANK MAYBE LEAKING BECAUSE NEW TANK HAS BEEN DROPPED OFF AT SITE,

| MATERIAL | CLASS | SPILLED | RECOVERED | RESOURCES AFFECTED |
|---|---|---|---|---|
| #2 fuel oil | Petroleum | 0 G | 0 G | GW, |

## POTENTIAL SPILLERS

| COMPANY | ADDRESS | CONTACT |
|---|---|---|
| UNK | ***UPDATE*** ZZ | |

| Tank No. | Tank Size | Material | Cause | Source | Test Method | Leak Rate | Gross Failure |
|---|---|---|---|---|---|---|---|

**DEC REMARKS:**

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KISPERT"
02/12/93: HAND BORING DONE BESIDE TANK, NO NEED FOR FURTHER ACTION.

**PIN** **T & A** **COST CENTER**

**CLASS:** E3 **CLOSE DATE:** 02/12/1993 **MEETS STANDARDS:** True

Created On: 11/10/1992

Date Printed: 10/26/2020 Last Updated: 10/26/2020

# NYSDEC SPILL REPORT FORM

**DEC REGION:** 1 **SPILL NUMBER:** 9301937

**SPILL NAME:** WALT DISNEY IMAGINEERING **DEC LEAD:** T/T/F

**SPILL DATE:** 05/11/1993 **SPILL TIME:** 1:00 pm

**CALL RECEIVED DATE:** 05/11/1993 **RECEIVED TIME:** 2:31 pm

## SPILL LOCATION

**PLACE:** WALT DISNEY IMAGINEERING **COUNTY:** Suffolk

**STREET:** NORTH WEST ROAD **TOWN/CITY:** East Hampton

**COMMUNITY:** WAINSCOTT

**CONTACT:** **CONTACT PHONE:**

**CONT. FACTOR:** Tank Test Failure **SPILL REPORTED BY:** Tank Tester

**FACILITY TYPE:** Commercial/Industrial **WATERBODY:**

**CALLER REMARKS:**

1K FAILED GROSS LEAK,MAINTENANCE PERSONNEL HAD EXPOSED TANK, SYSTEM LEAKING FROM FEED & RETURN LINE NEAR TANK. F&N TO ADD STICK LINE & PUT NEW FITTINGS FOR FEED & RETURN LINE & RETEST SYSTEM

| MATERIAL | CLASS | SPILLED | RECOVERED | RESOURCES AFFECTED |
|---|---|---|---|---|
| #2 fuel oil | Petroleum | 0 G | 0 G | GW, |

## POTENTIAL SPILLERS

| COMPANY | ADDRESS | CONTACT |
|---|---|---|
| WALT DISNEY IMAGINEERING | WAINSCOTT ROAD WAINSCOTT ZZ | (516) 537-4311 |

| Tank No. | Tank Size | Material | Cause | Source | Test Method | Leak Rate | Gross Failure |
|---|---|---|---|---|---|---|---|
| | 0 | #2 fuel oil (on-site | | | 00 | 0.00 | |

**DEC REMARKS:**

RETURN AND FEED LINE FITTINGS REPLACE, NO CONTAMINATION ENCOUNTERED, SYSTEM PASSED RETEST 5/17/93,NO FURTHER ACTION NEEDED AT THIS TIME

**PIN** **T & A** **COST CENTER**

**CLASS:** E4 **CLOSE DATE:** 08/11/1993 **MEETS STANDARDS:** True

# ATTACHMENT F

**Fire Research**

10/21/2020 East Hampton Star, Jun 24, 1943, p. 3 | NewspaperArchive®



## Amagansett

[Mrs. F. Norton Griffing, Corr.]

A son was born to Mr. and Mrs. Harold A. Davis at the Southampton Hospital June 15. Mrs. Downs, before her marriage, was Miss Agnes Clint of Amagansett.

A seven pound son, David Edward, was born Tuesday morning at the Southampton Hospital to Pvt. 1/c and Mrs. A. Golden Jr. Mrs. Golden, before her marriage, was Miss Betty Poirier.

Chief Boatswain's Mate and Mrs. Milton Miller are spending 10 days at their cottage on Meeting House lane, having arrived the first of the week from New Jersey, where he is on duty.

Mrs. George Hamilton visited Mrs. John Smith at Sunnyside, last week.

Mrs. Joseph La Sante and children spent the first of the week with relatives in Flushing.

Mrs. E. E. Bartlett is occupying the Irving Bartlett cottage on the Bluff for the Summer.

Mrs. Jane Poirier had as guests last week her cousin, Raymond Boudreau of Medford, Mass., and Miss Rita Burke of New York City.

Mrs. Magda Merck Sheldon had as her guests last week, her mother, Mrs. George Merck of Llewelyn Park, West Orange, N. J.

Mrs. Robert Cozzens and daughter are visiting Mr. and Mrs. Arthur Cozzens.

Alfred Oxenham returned to Boston last Wednesday to continue his studies at M. I. T.

Robert Klatt of New York City, spent the first of the week with friends here. He will enter Dartmouth College the first of July, having passed the V-12 test.

Mrs. Alfred Oxenham entertained her sister, Mrs. Frank Rehfield of College Point last week.

The Missionary Society will meet with Mrs. Wilson M. Griffing Tuesday afternoon, June 29, at 2:30 o'clock.

The date of the Amagansett Presbyterian Church Fair has been set for Wednesday, August 11.

Mr. and Mrs. Hugh King and son are spending the week with his parents, Mr. and Mrs. A. M. King.

—

**ELEVEN RECEIVE GRADE SCHOOL DIPLOMAS**

Graduation exercises for a class of 11 was held in the Amagansett Grade School Auditorium Friday night. The address of welcome was given by Carl Erickson, others speaking were George Anderson, class president, and Mary Anne Milligan, class vice president. The class will was read by Robert Stolberg.

Charles Rush, chairman of the Board of Education, presented diplomas to the graduates and posthumously to Alice L. Lester.

The medal awarded by the Barnes-Griffin Post, American Legion, was given to Robert Stolberg by Commander A. Golden Sr. Citizenship medals presented by the Albert Harter Post, V. F. W., were awarded by Commander Charles Swenson to Mary Anne Milligan and Clarence Daniels.

Robert Horton, school principal, made a short speech and gave the scholarship award to Mary Anne Milligan.

The school band, under the direction of Kenneth Stowell, furnished the music for the exercises.

Have your eyes examined and properly fitted by M. H. Robinson, Opt. at Waite's Drug Store in East Hampton, every Tuesday, phone for an appointment.—ADV. 27—tf.

## Springs

[Mrs. Stanley Talmage, Corr.]

Pvt. Leonard Miller returned to Camp Maxey, Texas, last Thursday after a short visit with his father, Benjamin Miller, and his sister, Josephine.

Mr. and Mrs. Nelson Van Valkenburg of Brooklyn, have arrived at their cottage at Fireplace for the summer. Their son, William, came with them and is staying for a short time.

Mr. and Mrs. Lawrence Moore have had as their guest this week Mr. Moore's niece, Mrs. John Foster of Greenport.

Mrs. Alfred Pidherney of New York, visited her mother, Mrs. William Bossey, for a few days this week.

Mr. and Mrs. Evans Clark of New York, were at their cottage here over the weekend.

Miss Edith Talmage came from Pelham, N. Y., this week for a month's visit with her parents, Mr. and Mrs. L. Stanley Talmage.

The Chapel Choir will meet in the Chapel at 8 o'clock Friday evening, June 25.

Mrs. Helen See returned to Montclair, N. J., on Monday after a few days' stay with Mrs. Adelaide Purcell at Fireplace Lodge.

Mr. and Mrs. George S. Miller came from Stratford, Conn., on Saturday to spend their second wedding anniversary with Mr. Miller's parents, Mr. and Mrs. George S. Miller Sr.

Mr. and Mrs. Paul Moyers and where he will work in a war plant during the Summer.

The local school closed last Thursday for the summer vacation. On Friday morning the eighth grade graduation exercises were held in the school auditorium. Several selections were rendered by the school Glee Club, and Rev. Francis Kinsler made a short address to the class. Merton H. Edwards of the Board of Education presented the diplomas to the graduates, Mary Schellinger and Purdy La Ferrier.

Corp. Tom Collins returned to Washington, D. C., on Sunday after a weekend visit with his family here.

## Beach Hampton

Miss Alice Harriman and her sister, Miss Lily Honsberg of Elmhurst, L. I., have opened their cottage on Marine Boulevard, and will occupy it for the summer.

Mr. and Mrs. James Fawcett of Huntington, L. I., are spending the week in their cottage on Beach avenue.

Mr. and Mrs. Wilder spent last week in their cottage on Beach avenue.

Miss Helen Seaman, who has a cottage on the beach, is spending the week in Beach Hampton.

Miss Harriet Taylor and her friend, Mrs. Wilkinson, are spending two weeks in Miss Taylor's cottage on Maidstone drive.

Miss Mary Griggs, a property owner in Beach Hampton spent last week with Miss Elizabeth Back in her cottage on Gardiner's drive.

Part of a whale's skeleton was found by Charles Rush on the beach in front of Topping's place at Beach Hampton. Jesse Rodiguez, who is working at Topping's, brought it up on their place. Later he intends planting flowers in it, and using it as a garden ornament.

## Wainscott

[Anna I. Osborn, Corr.]

Miss Betty Gale Barnes of East Hampton, spent a part of last week with her grandparents, Mr. and Mrs. Charles Barnes.

The Bridgehampton fire department was called out last Friday afternoon for a chimney fire in a house owned by G. C. Osborn on Stone road. Little damage was done. The house is occupied for the summer by Mr. and Mrs. Witold Gordon of New York.

E. H. H. Simmons of New York, spent the weekend at his home in Sagaponack.

Miss Rachel Emmett spent a part of last week in New York.

John H. Gordon of New York, spent the weekend at his home here.

Charles Barnes has rented his house on Beach lane for the summer months.

William Abbott of New York, spent the weekend at his bungalow on Division lane.

Mrs. Robert Burgoyne has opened her house in Sagaponack for the summer months.

Bruce Bromley of New York, spent the weekend at his summer home here.

## Bridgehampton

[Anna I. Osborn, Corr.]

Miss Katherine Hennessy of Weehawken, N. J., is visiting at the home of Mrs. Conrad Schenck.

Thomas Marshall, who is in the U. S. Army, has returned to Camp Livingston, La., after enjoying a furlough at his home here.

Joseph McKeon has gone to Albany, N. Y., where he will visit relatives.

Harold Topping has returned from the Southampton Hospital, where he has been receiving treatment.

Morgan DuMois, who is in the U. S. Navy and is stationed at Sampson, N. Y., was a recent guest of Mr. and Mrs. William E. Barnes.

Mr. and Mrs. Roy Baldwin have returned from their wedding trip. They are occupying the former John Sayre house on Montauk highway.

Mrs. Collingwood McKinney is spending several weeks in New York.

Jack Rogers, who is in the U. S. Navy, is visiting his parents, Mr. and Mrs. Charles W. Rogers.

Mrs. Horace N. Pierson of Noyac, was a recent guest at the home of Mr. and Mrs. James Strong.

Mrs. Paul Curt's of Middletown, Conn., has arrived at her home here for the summer.

Mr. and Mrs. Walter Williams and son, David, of Babylon, are visiting Mrs. Williams' parents, Mr. and Mrs. Andrew Acker.

Have your eyes examined and properly fitted by M. H. Robinson, Opt. at White's Drug Store in East Hampton, every Tuesday, phone for an appointment.—ADV. 27—tf.

## THE THEATRE

The war has yielded many thrilling stories for books, stage and screen so far, and there will be many more to come, but one of the most intriguing ideas yet filmed seems to be that contained in Para-

# Along Long Island

By CHARLES J. McDERMOTT JR.

**Farewell for a While**

When the war started we felt pretty guilty about just being what some flatteringly called unessential. We spent a pleasant summer last year working with Mr. Pennypacker in the East Hampton Library and at home on a book about Long Island but we weren't really (except for warden work) helping in the war effort.

We marched down to 90 Church street and found to our great amazement that the Army wasn't particularly enthusiastic about us. "Do you realize," we said firmly to the young recruiting captain, "That Hitler will practically give up when he hears that we've joined up?"

"Hitler" replied the young upstart, "would probably be very happy if the rest of the Army looked like you—skin and bones, big feet and big ears."

Insulted we went home, avoiding all mirrors in the house and got on the phone and secured a job as a weekly newspaper ad man and then editor.

Then we found out what work really is. In fact we've found so much work that we haven't had time to scribble the old column and we hereby apologize to Arnold Rattray, Douglas Gardner, Marion Brett, Jim Cooper and Daizy Swain for failing to keep going.

They've all been swell to us and it is with somewhat of a lump in the throat that we give up the work for a while because of the pressure of other work.

The war isn't over but it will be and one of the unfortunate aspects of the peace for some of you may be the reappearance of Along Long Island. During the past two years and more that we've been writing about the Island we've learned to have a deeper appreciation of it and of its people.

We shall miss the fine letters that some of you kindly have written to us. We shall miss the trips about the Island until gasoline again flows. We shall miss writing this darn old thing.

So, so long.

C. J. M.

## Montauk

Charles Landry of New York, visited friends on the weekend.

A daughter was born to Mr. and Mrs. Albert Martell last Monday at the Southampton Hospital.

Mrs. Rick Hulse and daughter, Barbara, spent the weekend in Brooklyn, with Mr. and Mrs. John Bennett.

Mr. Thon of New Jersey, father of Maurice Thon, returned home after spending some time with his son and family.

Mrs. William Slanee of East Islip, visited with friends on Monday.

Mrs. Marsh arrived this week to open her cottage for the Summer.

Mrs. Elizabeth Lane is entertaining her husband's family from North Carolina.

Harry Standard brought in another swordfish this week.

Tone, delirious from sunstroke, stumbles into what he believes to be a British-controlled hotel only to find that it is about to become staff headquarters for Field Marshal Rommel. He disguises himself as a waiter, with the help of Akim Tamiroff, Egyptian hotel owner, and a little French chambermaid, played by Anne Baxter. When Rommel moves into the hotel with his staff, Tone is amazed to be accepted as one of the Nazis, a trusted advance fifth-columnist.

—

"Coney Island," a technicolor musical, plays Sunday through Tuesday, June 27 to 29. Starring Betty Grable, George Montgomery and Cesar Romero, the picture is reputed to have everything! Songs, dances, an entertaining and lively story, and a top-notch cast headed by Charles Winninger and Phil Silvers.

—

"Mission to Moscow" is a vital film of vast significance, a film calculated to draw closer the bonds uniting America and the Soviet Union in the struggle against a common enemy. The screen version of Former Ambassador to Russia Joseph E. Davies' book is a resounding achievement that will cause a stir wherever it is shown. It accomplishes its mission dramatically, vividly and clearly, leaving no doubt as to where Davies stands on the subject of Soviet Russia. "Mission to Moscow" stars Walter Huston, Ann Harding, Oscar Homolka, George Tobias, Gene Lockhart and Richard Travis and plays at the East Hampton Theater Wednesday and Thursday, June 30 and July 1.

Walter Huston plays the part of Joseph E. Davies, with Ann Harding as his wife. The picture becomes a procession of players portraying famous present day figures: Oscar Homolka as Litvinoff, Gene Lockhart as Molotov, Dudley Field Malone as Churchill, Mannart Kippen as Stalin, among many others.

# Churches

**ST. PHILOMENA'S CHURCH**
**Rev. Raymond A. Clark**
Sunday Masses, 6:30, 8:00, 10:00 a. m.
Weekday Mass at 8:00 a. m.
First Friday Mass 7:30, 8:00 A. M.
Miraculous Medal Novena, Monday, 8 p. m.
Confessions Saturdays, 4:00 and 7:30 p. m.

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**St. Peter's Church, Amagansett**
Sunday Mass, 9 a. m.
Confessions before the Mass.

**Little Flower Church, Montauk**
Sunday Masses, 7.00 a. m. and 9:00 a. m.
Confessions before the masses.

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**THE METHODIST CHURCH**
**Harry D. Robinson Jr., Pastor**
9:45 a. m., Church School.
11:00 a. m., Morning Worship. Guest preacher, the Rev. Charles D. Myers, Director of Christian Education for the New York East Conference.
There will be no evening service Sunday evening.

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**ST LUKE'S EPISCOPAL CHURCH**
**Rev. Samuel Davis, Rector**
Sunday, June 27th:
8:00 a. m., Holy Communion.
9:30 a. m., Church School.
10:45 a. m., Morning Prayer and Sermon.
St. Peter's Day, Tuesday, June 29:
8:00 [illegible]
Wed[illegible]
10:0[illegible]
tion C[illegible]
7:30 p. m., Adult Confirmation Class.
Friday, June 25 there will be a Young People's Party in the Church Barn from 8:00 to 12:00. All invited.

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**FIRST PRESBYTERIAN CHURCH**
**Rev. Francis Kinsler, Minister**
9:30 a. m., Intermediate and Junior Departments of the Sunday School.
10:45 a. m., Primary and Beginners Department of the Sunday School.
10:45 a. m., Morning Worship.
8:00 p. m., Springs' Chapel Worship.
Tuesday, 9:00 a. m., Junior Christian Endeavor Society.
Tuesday, 6:30 p. m., Intermediate Christian Endeavor Society.

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**FIRST PRESBYTERIAN CHURCH AMAGANSETT, N. Y.**
**Rev. C. B. Scoville, Pastor**
Sunday School, 9:45 A. M.
Morning Worship, 11:00 A. M.

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**MONTAUK COMMUNITY CHURCH**
**Rev. John M. Gordon, Pastor**
Sunday School, 10:00 A. M.
Morning Worship, 11:00 A. M.
Evening Service, 8:00 P. M.
Mid-week Meeting Wednesday at 8:15 P. M.

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**CHRISTIAN SCIENCE CHURCH**
**Southampton**
**Corner Cameron and Pine Streets**
First Church of Christ, Scientist, Southampton, N. Y., is a branch of The Mother Church, The First Church of Christ, Scientist, in Boston, Mass.
Sunday Services, 11:00 A. M.
Sunday School 11:00 A. M.
Wednesday Testimony meetings, 1:00 - 2:00 and 8:00 - 9:00 P. M.
Reading Room open Wednesdays from 2:30 to 4:30 P. M. in Church building where authorized Christian Science Literature may be read, borrowed or purchased.
"Christian Science" is the subject of the Lesson-Sermon in all Churches of Christ, Scientist, on Sunday, June 27. The Golden Text is: "Arise, shine; for thy light is come, and the glory of the Lord is risen upon thee" (Isiah 60:1).
Bible references explaining the subject are taken from John 14: 1, 13, 15, 18: "Let not your heart be troubled: ye believe in God, believe also in me . . . And whatsoever ye shall ask in my name, that will I do, that the Father may be glorified in the Son . . . If ye love me, keep my commandments. And I will pray the Father, and he shall give you another Comforter, that he may abide with you forever."
References from "Science and Health with Key to the Scriptures" by Mary Baker Eddy, the Discoverer and Founder of Christian Science, are as follows: "Jesus demonstrated Christ; he proved that Christ is the divine idea of God—the Holy Ghost, or Comforter, revealing the divine Principle, Love, and leading into all truth . . . Truth's immortal idea is sweeping down the centuries, gathering beneath its wings the sick and sinning. My weary hope tries to realize that happy day, when man shall recognize the Science of Christ and love his neighbor as himself, when he shall realize God's omnipotence and the healing power of the divine Love in what it has done and is doing for mankind. The promises will be fulfilled. The time for the reappearing of the divine healing is throughout all time; and whosoever layeth his earthly all on the altar of divine Science, drinketh of Christ's cup now, and is endued with the spirit and power of Christ-

# Mrs. Braem Says:

Here's a good question, "Would I recommend Soybean Curd in place of the regular cottage cheese?" No, I would not unless one were allergic to cow's milk in any form! After all, the 'complete' protein of the cow's milk cottage cheese is as valuable as the protein of the soybean curd and so far as vitamins and minerals are concerned, each cheese offer these constituents in valuable amounts so I see no special advantage in this particular case. What I do suggest, however, is that all homemakers get acquainted as soon as possible with everything which we do get in the food line from the soybean. So the authorities are telling us that even if the war were to end this year, we cannot expect to get back on our regular "food footing" for five or six years and that whether we like it or not, we shall have to change our food habits. Personally, I feel this edict is heaven sent for the younger homemakers! It will be their happy task to feed their little ones much better than they themselves were fed. The babies of today need never know the disadvantages of refined products if their mothers are sincere in caring for the health and stamina of the future generations! The cakes, cookies, pies, gingerbreads, etc., will give the children the same happy thrill if made with one hundred per cent whole wheat flour with the addition of either soybean flour or cottonseed flour and one might easily express this combination as a "super, super" offering so far as nutritional value and flavor are concerned. The soybean oil goes well in town but the soy sauce isn't so popular. I think you'd like its addition to gravies, stews, salad dressings, etc., if you would use more of it. You know it is a dark brown liquid prepared from a mixture of cooked and ground soybeans, roasted and pulverized wheat (barley is sometimes used), salt and water. This mass is inoculated with a culture known as rice ferment and left from 6 to 18 months in vats or casks to ferment. In the Orient this sauce is largely used in cooking, as a relish or condiment to increase the flavor and palatability of the diet, and as an aid in the assimilation of food. And I think we shall have to do some sprouting of the soybeans to keep within our vitamin "C" quota before very long. After all, the sprouts have kept the Orientals from succumbing to the disease, "scurvy" for thousands of years. As a matter of fact, the soybean sprouts are their important source of vitamin "C" and while we do not expect to have to use it alone for that purpose, we shall have to have other sources besides the citrus family which has always given us all we needed.

Here's a recipe of mine for Macaroons which is easy to put together and mighty good to eat:

1 cup of cooked Soy Grits.
1-8 teaspoon salt.
2 egg whites.
1 cup brown sugar.
2 cups whole wheat cereal flakes.
1 teaspoon almond flavoring.

Method:

Add the salt to the egg whites and beat until slightly stiff. Add the sugar, a tablespoon at a time, and beat until stiff. Crush the flake cereal and mix with the mashed grits and gradually fold into the egg whites; add the flavoring. Drop by spoonful on waxed paper and bake in 300 to 325 degree oven for about 25 to 30 minutes, or until delicately brown and well set.

**House Fly Harms Herds**

Production of dairy herds may be lowered as much as 50 per cent when the stable, or biting house-fly, becomes abundant. The most practical means of control is elimination of breeding places. Straw and peanut litter to be used for bedding should be baled or otherwise stored in a dry place. If dry storage space is not available proper stacking in the field at threshing time, and keeping the base of the stack free of loose straw or litter will greatly reduce stable fly breeding. Manure and soiled bedding should be spread on the field at least once weekly or stored in dry bins.

**X-Ray Food**

Relatively little known are X-ray's links with the food industry, yet it is a practical, fast, and remunerative inspection tool. X-ray looks at an orange, or a berry pie, or a box of candy, and tells an immediate and important story. Accurate and shock-proof, the units are built into conveyor systems. The application began with special equipment for a candy manufacturer who was having trouble eliminating foreign materials from his product. Work with citrus fruit growers followed. X-ray quickly shows up crystallization, frost damage, blossom-end decline and puffiness.

**Plant Lice**

Plant lice are probably the most common and destructive vegetable pests. They attack almost all crops, especially turnips, radishes, mustard, cabbage and other similar plants. They may be controlled by using a 5 per cent rotenone-sulphur mixture, or nicotine sulfate, as a spray or dust. Begin as soon as the pests appear and throughly cover the lower surface of the leaves.

# "A Week of the War"

To conserve materials and man-hours, the Office of War Information is discontinuing Last Week in the War with this issue.

A comprehensive summary of war front developments appears each week in Victory Bulletin, the official weekly of the OWI. Victory Bulletin may be obtained by writing to the Superintendent of Documents, Government Printing Office, Washington, D. C. Subscription rates by mail are as follows: 75c for 52 issues; 50c for 26 issues; single copies 5c, payable in advance.

The OWI will continue to supply rural papers upon request with Town and Farm in Wartime, a brief digest of government releases of particular interest to rural communities, and with a weekly package of feature stories, mats, and special articles. Address Town and Farm in Wartime, News Bureau, OWI, Washington, D. C.

On the same day that Pantelleria fell under withering attacks of Africa-based Allied planes (June 11) four-motored bombers of the RAF and USAAF broke a 12-day lull in the offensive over Germany. More than 200 planes took part in devastating raids on German submarine installations at Wilhelmshaven and Cuxhaven.

Two days later, naval installations at Bremen were blasted. Photographs of the damage revealed at least a dozen hits on and around the Atlas Werke shipyards and a heavy concentration of bombs on other shipyards.

In the next few days British and American bombers dropped 5,250 tons of explosives within the Reich, a record-breaking performance.

**Eleven Attacks on Germany**

A recent summary issued by the War Department showed that of 18 heavy bombardment missions by U. S. planes against targets within Germany, 11 have been made since May 14.

Engaged only in daylight high-altitude, precision attacks against enemy industrial centers, naval bases and war plants, the USAAF based in England, flew approximately 1,600 sorties with 4-engine bombers against German targets.

The 18 forays are shown to have been carried out at a cost of 106 American planes, while 571 German planes were shot down, 87 probably destroyed, and 231 damaged in aerial combat.

The first 7 attacks by American bombers against Germany were made in the period of January 7, 1943. United States losses for these missions totaled 40 planes, while 224 German planes were shot down, 78 probably were destroyed and 77 damaged.

In the eight days of May 14 through May 21, seven more attacks were made, with American losses totaling 32 planes and German losses 243 shot down, 69 probably destroyed and 116 damaged.

Attacks against Wilhelmshaven, Cuxhaven, Bremen and Kiel cost 34 American planes, with German losses placed initially at 104 planes destroyed, 40 probably destroyed and 38 damaged.

**Precision Bombing of Pantelleria**

According to Secretary of War Stimson, Allied conquest of the four Italian "nuisance" islands netted approximately 6,000 Axis prisoners, won at the cost of about 40 airmen and a few planes.

Stimson said these operations demonstrated the value of concentrated air power and compared the Allied capture of Pantelleria with the Axis failure to take Malta during a three year siege in which the enemy enjoyed overwhelming air superiority.

While Malta's defenses were probably stronger, Stimson said, the principal reason why Pantelleria fell and Malta held was the manner in which the air attacks were made.

"German and Italian assaults on Malta were sporadic and inaccurate," he said. "Our attacks on Pantelleria were heavy and continuous. Hits on military targets were scored with mathematical precision."

Praising Allied air power Stimson added, "Just as our airplanes and pilots have excelled, now it appears our tactical and strategical employment of air power is superior to the Italian and German."

Three days after the surrender of Pantelleria, British Wellington bombers opened the intensified aerial pounding of Sicily with attacks on the Boccca di Falco, Castelvetrano, Sciacca and Borizzo airdromes.

**Submarine Production Satisfactory**

A more optimistic report on Allied submarine strength was issued last week as Secretary of the Navy Knox announced that American submarine production "is very satisfactory." Knox also reported that "we are building a small number of submarines month by month and they are a steady addition to our navy."

Immediately before Pearl Harbor, the Navy had 111 submarines in service and 73 building. Knox did not give any new figures but presumably the pre-Pearl Harbor total has been considerably increased.

From the South Pacific area, the Navy announced that a fierce battle over Guadalcanal had resulted, on June 6, in the loss of only six American aircraft as against 77 Japanese planes. A communique said that 32 of the enemy planes shot down were bombers and 45 were Zero fighters.

# New York, U. S. Antiques Center, Fills Increased Wartime Demand

New York State, metropolitan New York in particular, is the center of the nation's antiques trade, a business that yearly involves many millions of dollars. At the nation's largest antiques show, the fifteenth Eastern States Antiques Fair, held recently at the Westchester County Center in White Plains, more than 100 dealers from eleven of these states, 44 of them from New York State, exhibited some 40,000 or more items valued at about a quarter of a million dollars. While the attendance during the six days of the show was somewhat less than normal for the semi-annual event, the volume of sales was well above normal.

Among the fine old things in displays covering, some two-thirds of an acre at the Center, were many items of glassware and furniture, old clocks, maps, books, prints and paintings. The items ranged in value from a few cents to thousands of dollars.

Collectors from many parts of the country come to this fair not only in person but by telephone. Some, too far away to reach it easily, especially under war conditions, decided as to the trip only after telephoning to find out whether certain items are to be shown and on sale. There are also the many described by Mrs. C. J. Nuttall, who manages the show. "Antiques collectors," she points out, "are a thoughtful lot, and frequently have a hard time deciding about purchases. So they often return home to discuss a purchase before making it.

One of many fine exhibits at Eastern States Antiques Fair. Left: Civil War surrey gives visitors at show a free ride.

Then a call to the fair asks that the item be held or shipped."

Such cases, plus the many information inquiries and the numerous details of management, explain why the Center's telephones are so busy during the event.

In the spirit of the times was the fair's official "taxi," a horse-drawn surrey of Civil War vintage, which gave visitors a free ride from the nearby railroad station to the Center.

Inaugurated about eight years ago, each semi-annual Eastern States Fair has attracted on an average from 20,000 to 25,000 visitors. The next show will be held in May.

St. Thomas' Chapel
EPISCOPAL
Amagansett, L. I.
INVITES YOU TO WORSHIP THIS SUMMER
Services begin Sunday, July 4
8:00 A. M. HOLY COMMUNION
10:30 A. M. MORNING SERVICE AND SERMON

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## Montauk

Mrs. Elsa M. George

### Surprise Nor'East Storm Batters Ships at Montauk

At the beginning of real strong winds last Friday noon Montaukers who could get a view of the ocean were tensely watching a drama of staunch and fine seamanship as Capt. Holliday, alone on his boat, the dragger Undine, brought her in along the beach from off Mecox Light where he had been fishing when the storm broke. With skill and seemingly inexhaustible strength, Capt. Holliday rounded the Point before dark before proceeding through the breakwaters into Lake Montauk Harbor. His boat at times listed so far over that onlookers from their cars on shore thought it never could right itself again. However, he tied up at Gosman's dock to the welcome of a host of people in cars and on foot that had watched his battle with the elements. The U. S. Coast Guard was standing by in case of need.

The unheralded storm grew in intensity as the night drew on. No record of actual wind velocity is obtainable but judging from experience of those who have weathered similar storms, it was over 75 miles per hour with gusts reaching 100 mile velocity. At Gosman's dock the telephone booth was ripped from its station and deposited in the back lot. No boats were seriously damaged there though water was five feet above high tide level, washing away the sea wall and catwalks.

Several row boats were smashed and disappeared. At the Montauk Fishing dock where Al Bruin's Ranger and Capt. Leo Burke's Buddy are berthed neither boat was damaged even though water was over the dock and into the store. Of the old time Montauk captains many stayed aboard their craft throughout the storm to tighten, loosen, or replace ropes as the moment demanded, thereby saving serious damage. So, don't think, you anglers, that being a captain and owner of a boat is just all fun. Logs the size of telephone poles were brought into the basin where open boats lay, by the sea.

At McCann's dock damage was slight, Capt. Herbst who had sought refuge for his Lucky Jac in Donny Cove ran into trouble for the wind and sea just hit in there terrifically and the Lucky Jac besides two other craft anchored in the Cove were all sunk. At the west dock near the old Seaplane hangar, the Second Fiddle, also owned by Capt. Herbst, was broken in half. By Duryea's Gravel Pit two light poles were blown down across the road bringing the live wires with them and the water was undermining the road bed. The sea wall at Donny Cove and in front of the Jansen and Raymond properties was destroyed, which indicates worse water damage than from the 1938 hurricane. George Yeandall estimates approximate damage of $5,000 to his dock and sea wall. Water was up over the roads and into parking lots at most of the docks.

At Tuma's dock boats escaped serious damage but taken all in all approximately two-thirds of the boats in the harbor received some damage. The Sportsman suffered a hole in her side (big enough to drive a car through). Two boats that had broken loose and blown ashore were floated again by the U. S. Coast Guard.

Other than damage to docks and boats many buildings lost roofs in part or whole. One might find Montauk shingles scattered far and wide across this end of Long Island. Sandy Acres Motel lost its entire roof; seems to have been lifted right off. The Bay came across these acres right up to the surfaced road leading to the docks. Merry Mermaid also lost a phone booth. Montauk Lake Motel suffered roof damage and water damage to furnishings where the torrential rains came pouring in, as did the new home of Capt. Bob Tuma. At the residence of Fire Chief, Frank Tuma, porch windows blew in and the garage door was torn off. Capt. Plumacher's porch was slightly damaged. The window of Bohler's Custard Shop was also blown in, and the roof of an as yet unoccupied Kings Rancher eaved in from the force of the wind and rain. Water was 18 inches deep across the road leading to Duryea's Ice-Plant and fish market flooding over into Tuthill Pond from where it was still draining back into the Fort Pond Bay on Monday. Throughout this area the estimated damage is approximately $500,000.

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**FISHING NEWS**

Previous to the storm, fishing was excellent last week.

Thirty-seven New York Athletic Club members arrived at the Lake View Hotel on Wednesday evening of last week to take a fling at the exceptionally fine striped bass fishing our waters have recently boasted. They sailed forth early Thursday morning on the following boats: the Cricket II, Capt. Frank Mundus; the Bluefin, Capt. George Potts; the Venture, Capt. Boots Kolas, and a private boat, the Charlee. The catch was good — from 7 to 32 striped beauties per boat with the high hook honor going to Capt. George Potts on his Bluefin which brought in the 32. The party was a contest, with a gift certificate award of first prize of $25, second of $15 and $10 for third prize, all given by Trail and Stream Equipment Co. of New York. A 22-pounder caught by Bud Crossman of New York took first prize. Second was won by C. F. McDonald of Oswego, N. Y. and the third was taken by Herb McCarthy of Bowden Square, Southampton. Committee in charge of the party were Edward Brewer and Frank Tallman, both of New York.

Capt. Gus Pitts in last week's fishing up to Friday, brought in from 37 to 40 stripers per day, weighing up to 46 lbs. a piece.

Capt. George Glas, sailing the Helen, had fine striped bass fishing during the past week.

Capt. Dick Rade fishing from his own boat on Monday brought in between 200 and 300 lbs. of cod caught handlining in local waters.

Beginning on Wednesday of this week, Armistice Day, the 11th, The Viking IV will sail at 7 a.m. daily from the Viking Dock for fishing local waters.

—

The Women's Guild of the Montauk Community Church postponed their monthly business meeting until the second Wednesday of the month which will be the 11th, Armistice Day, at 2 p.m. Last week on Wednesday afternoon the Guild gave a stork shower for Mrs. Robert E. Lewis, one of its members. Twenty members were present and three children. Delicious refreshments of cake and coffee were served by Mrs. Frank Ward, at three o'clock. After all were gathered in the Guild room a loaded bassinet was wheeled in, a complete surprise.

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The newly organized Over Twenty Social Club, with Rev. Ernest Gordon as leader, will meet this Thursday evening at the Montauk Community Church, at 8 p.m., Nov. 12th, and the second Thursday of each month there-after. Couples please attend.

—

The Hallowe'en party held at the Fire House on Hallowe'en eve, for the pupils of the Montauk Public School was very successful and enjoyed by all attending. The Committee in charge of the 3rd and 4th graders were: Mrs. Walter Drobecker and Mrs. Ray Bimson—the group consisted of twenty-one children. They played relay games with prizes given. First prize for girls costume was won by June Martel and for the boys first prize went to Bradley Glas. The committee in charge of the older children (49) were: Mrs. Eine Handrup, Mrs. George Hewitt, Mrs. Robert Byrne, Mrs. James Burke and Mrs. J. F. Jaccarina Jr. This group enjoyed Bingo, ducking for apples and the Bamboo dance. The prize for dance couples went to Eileen Hewitt and Howard Carroll. For costumes, to Carol Macdonald and to Theodore Stevens.

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The Rosary Altar Society at their meeting in the basement of the Church of the Little Flower, last Thursday evening, discussed plans for their Christmas party to be held next month and decided not to have any card party or Bingo until sometime in January.

—

The Montauk Fire Department will hold their annual Turkey Raffle at 7:30 o'clock on the evening of Saturday the 21st, in the basement of the Church of the Little Flower. Besides turkeys for your Thanksgiving dinner, there will be raffled off, hams, suckling pigs, pheasant, and baskets. Proceeds are for the benefit of the Fire Department. Admission is free and a door prize will be given.

—

Alice Fougere, 12 years old on Monday the 9th, brought a few of her schoolmates home from school with her that afternoon to help eat up her birthday cake. The next morning, Tuesday, she entered the Southampton hospital where she underwent some difficult dental extractions.

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Sam Lang and guests, Mr. and Mrs. Scheinbloom of New York drove out late last Thursday night hoping to enjoy some striped bass fishing, but the weather-man dictated otherwise. They returned to the city Saturday afternoon.

—

Mr. and Mrs. R. F. Roberts drove out from the city to spend the week-end at their summer residence.

—

Mr. and Mrs. Harry A. Bruno left on Monday after spending the week-end at their summer home here. They have closed the house for the winter.

—

Mrs. W. J. Gurney is making her usual autumn stay at the Fifth Avenue Hotel, New York.

—

Purnell Curles, in charge of the Ditch Plain Coast Guard station, left

## Springs

Ethel H. Talmage, Corr.

Mr. and Mrs. Raymond Terry have closed their cottage at Maidstone Park and left Tuesday for Stuart, Fla., where they will spend the winter.

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Friends of Frederick Lake, who has been a patient in Southampton Hospital for the last two weeks as a result of a head injury, are glad to hear he is making a good recovery.

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Mr. and Mrs. Jarvis Wood entertained the members of the Christian Endeavor at their home on Tuesday evening.

—

Mrs. Lawrence Miller returned home last week from Southampton Hospital where she has been receiving treatment.

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The regular monthly meeting of the Norris W. Harkness Chapter will be held at the home of Mrs. Jarvis Wood on Wednesday, Nov. 18th at 1:30 p.m. At this time plans will be made for the chapter's annual Christmas party to be held in December.

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The first meeting of the season of the Men's Fellowship of the Presbyterian Church will be held at Ashawagh Hall on Monday evening, Nov. 16th. Supper will be served at 6:30 by the Norris W. Harkness chapter.

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On Tuesday, Nov. 3rd the Springs Chapel Christian Endeavor Society motored to New York with Rev. and Mrs. Paul Bahner. There they visited many points of interest including a tour through the United Nations' building, the Biblical Seminary, St. Bartholomew's Church, St. Patrick's Cathedral, St. Thomas Cathedral and the Jewish Synagogue, Temple Emanuel. They also visited Central Park Zoo. Later in the day they went to Chinatown where they visited Thomas Noonan's Peoples' Mission. Here they were taken on a tour of the Mission building and listened to a lecture by the Mission's pastor on the work being done there. After dinner in a Chinese restaurant they left for home after a most interesting and worthwhile day.

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There will be a Brownie Fly-up Tuesday, Nov. 17th at 7 p.m. in the V.F.W. building, East Hampton. Brownie Troop 20 of Springs whose leaders are Mrs. Mary Alice Sargent and Mrs. George Miller, Jr., and Brownie Troop 2 of East Hampton whose leaders are Mrs. Reginald Conrad and Mrs. Louis Edwards, invite all Brownies and their families and the East Hampton Town Committee to attend.

## Wainscott

Helen M. Dankowski, Corr.

Miss Gale Barnes spent the week-end with her grandmother, Mrs. William Barnes and Mr. Barnes.

—

Mrs. George Westervelt is spending some time with her sister, Mrs. Robert Starr and Mr. Starr in Greenwich, Conn.

—

Mr. and Mrs. Henry Von Meyer of New York have closed their home on Sayre's Path for the winter.

—

Mrs. Tony D'Andrea, who had been in the Southampton Hospital for a few days' observation, returned home on Tuesday.

—

Mrs. Lawrence Gourlay closed her home on Beach Lane recently and is spending the late fall and winter at the Conklin House.

—

Mrs. John Severida and children, Carol Anne, Teresa, and John Jr. of Westhampton, visited Saturday with Mr. and Mrs. Albert Hand.

—

Mr. and Mrs. Morris Ketchum of New York spent the week-end at their home on Main Street.

—

Mrs. Richard Ryan and children of New York with their guest, Miss Diana Walker, are spending some time at their home on Beach Lane.

—

Mr. and Mrs. Paul Kristopowitz of Cutchogue, and Mr. and Mrs. Theodore Trinowski and children of Jamesport, L. I. spent Sunday visiting with Mr. and Mrs. Joseph Kristopowitz.

—

Mr. and Mrs. Fred Herbst spent a few days at their home in Georgica Settlement.

The Bridgehampton Fire Department was called out on Friday night to extinguish a chimney fire at the home of Mr. and Mrs. Dudley Wood on Beach Lane.

Mr. and Mrs. William Abbott have closed their home on Town Line Road and have returned to Washington, D. C. for the winter months.

## Letter to the Editor

**R.R. VIEW OF SAFETY**

October 29, 1953

Editor, Star
Dear Sir:

Accidents to pedestrians or vehicles at highway crossings over railroad tracks protected by automatic flashing signals have some times been reported in the press in a manner to indicate that the warning is not adequate. Yet such indications of inadequacy are not directed against traffic signals at highway and street intersections.

It is difficult to understand why a set of automatic flashing signals at a railroad crossing, whose multiple lights flashing 33 times per minute are considerably brighter and larger than the single unit steady beam of a highway intersection traffic signal, should be considered inadequate under any circumstances.

The chief difficulty lies in the fact that in New York State the law imposes no penalty on motorists or pedestrians who disregard these flashing signals, similar to that imposed for disregard of traffic signals. The only penalty for disregarding them is the possibility of injury or death, and this seems less a deterrent than fear of the police action which may result from disregard of a highway traffic signal at any other location.

No excuse can be offered, in my opinion, for disregard of these warning signals by the operator of a vehicle or by a pedestrian. This view is supported by the action of a Connecticut coroner in absolving a New Haven Railroad engineer of guilt in the death of a prominent clergyman who drove into the path of a train on September 17, 1953, at a crossing on double main track. Among other things, the coroner said:

"There are both flasher signals and a bell protecting the crossing. Both were functioning properly and there was no reason why anyone in full possession of his faculties should not have seen and heard them. Judging by his conduct, deceased apparently did not."

The fact that the flashing signals may continue to operate after one train has passed, indicating the approach of another train, should cause every person with regard for his life and limb to wait until the signals have stopped flashing.

Yours very truly,
J. Frank Doolan
Chief Oper. Officer
L. I. R. R.

[Ed. Note: The above is all very true concerning safety at crossings protected by lights, bells or gates, but what is the defense of the unprotected crossings, without bells or lights, of which there are several on Long Island? There can be no denying, however, that a top heavy burden of responsibility for grade crossing accident prevention has been tossed at railroads all over the country. The pedestrian and the automobile driver, too, have their share of responsibility.]

motored to Holtsville to visit Wilbur Simons Jr.

—

Mrs. William Babinski, Mrs. Charles Kaminski and Mrs. Russell Smith drove to New York on Monday where they spent the day.

—

Mr. and Mrs. Robert Gillham closed their home on Beach Lane on Tuesday and returned to New York for the winter.

**VFW AUXILIARY DANCE**

At a committee meeting of members of the Ladies Auxiliary and Post of the Veterans of Foreign Wars plans were made for the New Year's Eve party to be held at the VFW building. Tickets will be limited and will go on sale in early December.


COAT and SUIT
SALE
AT

NOW GOING ON
Winter Coats
Toppers - Suits
At Great Savings

Extra Special
Winter Suits
Reg. to $29.50 . . . NOW—$15

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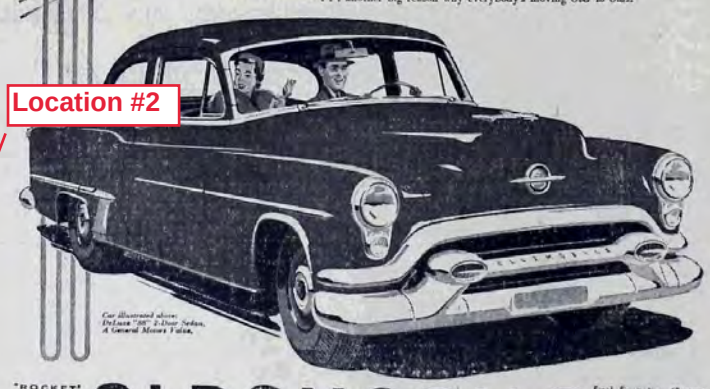
Take the wheel—check the deal . . . and Over to Olds you'll go!

You pay *less* money for *more* car when you buy a "Rocket" Oldsmobile! The surprisingly small figure in the big type above tells what you pay . . . here's what you get: "Rocket" Engine—all the exciting power and economy of this famous power plant! The long, low, graceful beauty of Power Styling! The smartness and luxury of Custom-Lounge interiors in the big, rugged Body by Fisher! All this—and more—is yours in a "Rocket 88"! And don't forget—"Rocket" resale value is top on the market . . . another big reason why everybody's moving *Over to Olds!*




Car illustrated above: Deluxe "88" 2-Door Sedan. A General Motors Value.

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Free! Fascinating 48-page book—"How to Watch Football"—by 13 top coaches. See your Oldsmobile dealer!


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# THE VILLAGES

## Amagansett

AM 7-3477

Purnell Curles left last Thursday for Coinjock, N. C., to attend the funeral of his stepfather, Charles Powers. Mr. Curles was accompanied by Roy Sherman and Mr. Sherman's daughter, Mrs. Peter Reichart, of Springs.

—

Mr. and Mrs. Arthur Dodge and their daughter are in Berkeley, Cal., where Mr. Dodge has begun work toward a master's degree in economics at the University of California. It was incorrectly reported here last week that Mr. Dodge had returned to Yale, from which he was graduated last June.

—

Mrs. E. Vivian Parsons and her niece, Mrs. Anne Carter, are visiting Mr. and Mrs. Edwin Shaw in Esmond, R. I., and are touring New England. Mrs. Carter just returned from a six-week tour of 29 states.

—

A son was born to Mr. and Mrs. Orie Havens at Southampton Hospital on Oct. 15.

—

Eleanor Cote and Annie Brown were admitted to Southampton Hospital this week.

—

Mr. and Mrs. Clement Eichhorn returned home last week from a ten-day trip Upstate, where they visited their daughters, Mrs. William Van Note of Fairport, N. Y., and Mrs. Thomas Mecca of Solvay, N. Y., their husbands, and families. On the way home the Eichhorns also stopped in Binghamton where they visited Mr. and Mrs. Thomas Shott, former residents of this Village.

—

Mr. and Mrs. Allison Fossett returned home last week from a six-week stay at their home in Round Pond, Me.

—

Mr. and Mrs. Fred Smith spent the weekend in Washington, D. C., where they visited their daughter Charlene. She is employed in a government job there.

—

The Devon Yacht Club has been collecting rubble from the old light plant on Napeague Bay for use in reinforcing the wooden jetties at the Club's boat basin. Club officials said that although much of the old structure's walls had been torn down, there was no plan to demolish the chimney, which has stood as a landmark for many years.

—

**AVIS Sets Open Meeting**

A quarterly membership meeting of the Amagansett Village Improvement Society will be held at the Amagansett School, Friday, Oct. 30, at 8 p.m. The meeting was set for Friday night in response to a request from a group of members that meetings be held on weekends.

Reports will be given on what has been done and what is planned for the coming year. It is hoped that members, both old and new, will attend and make suggestions for the improvement of the community.

—

The Amagansett School Board met last night and discussed ways of clearing the corner property of the former Ayles Garage building. The building has been vacated and, according to Harrison Schneider, School principal, no bids were received for its removal by the deadline last Friday.

In other school news, Mr. Schneider said what was definitely the best film shown at an assembly in recent years was shown Tuesday morning. Called "The Restless Sea," it was a comprehensive study of the sea prepared by the Bell Telephone Company. "And there was very little advertising in it, too," Mr. Schneider said.

—

A son, William F. Barrett IV, was born to Mr. and Mrs. William F. Barrett III of Washington, D. C., in the Columbia Hospital for Women on Oct. 15. Mrs. Barrett is the former Joan Good, daughter of Mr. and Mrs. William H. Good of Merrick and Amagansett.

## Sag Harbor

Mrs. Ray Harris, Corr.

725-1909

Seaman Apprentice John C. Trimpin, USN, son of Mr. and Mrs. John C. Trimpin, Main Street, is serving aboard the aircraft carrier Lake Champlain out of Newport, R. I. The Lake Champlain is now engaged in a Canadian-United States anti-submarine exercise in the Atlantic.

—

Mrs. George A. Finckenor of North Haven has returned to her home after spending a week as the guest of Miss Ruth Bowen in Waterbury, Conn.

—

Mr. and Mrs. Angelo Carrion have returned from their New York apartment and are guests of Mrs. Carrion's brother, James Harris, at his Division Street home.

—

Martin Soderlund has returned to his home on High Street after spending two weeks as a patient in Huntington Hospital.

—

Gene Rhodes, has returned from a stay of several weeks in Puerto Rico on a business trip for Rowe Industries.

—

Mr. and Mrs. Henry LaGasse were guests last week of their son Michael, a freshman at State University College at Cortland.

—

Mrs. Frances Trunzo of Madison Street attended the World's Fair last week and won an electric sewing machine at the Japanese Pavilion.

—

Mr. and Mrs. Matthew Curran are the parents of a son, their fourth, born at the Southampton Hospital Oct. 13. Mr. Curran is a former member of the Pierson High School faculty, now employed at Rowe Industries.

—

Dr. and Mrs. Paul E. Elicker of Washington, D. C., were the guests of Mrs. Raymond Harris for several days last week. Mrs. Elicker is the former Elsie Finckenor of Sag Harbor, a cousin of Mrs. Harris.

Dr. Elicker retired several years ago as executive secretary of the National Association of Secondary School Principals. He is still active in educational writing and lecturing. He will address New Hampshire high school principals next week.

—

Mr. and Mrs. William Ewers, High Street, recently visited Bar Harbor, Me., enjoying the fall foliage en route.

—

The Ladies Guild of Christ Church held its first fall meeting Oct. 13 in the Parish House, preceded by a covered-dish supper.

A social hour followed the meeting. The Rev. Roy L. Webber showed pictures taken during his summer vacation in the British Isles and on the Continent.

—

The Women's Association of the Old Whalers Church met Oct. 13 in the Church hall, with 24 women attending. Mrs. Al Heckert was elected president for the coming year.

Other officers chosen were Mrs. J. Parrott, vice president; Mrs. Carl Kluge, secretary; and Mrs. Norman Simms, treasurer.

The guest was Mrs. A. Dickerson of Southold, Long Island Presbyterial treasurer, who showed slides and played a tape recording describ-

## Do-It-Yourself Car Tag a Flop

**1962 PLATE SHOWS through in photo, but at a distance was hard to spot.** Star Photo

Bothered by mounting costs of automobile registration and insurance? Don't try to beat the inevitable the way John E. Price of Cambria Heights, Queens, did — at least not in the Town of East Hampton.

Mr. Price's 1953 Buick sedan was spotted on the Montauk Highway, Amagansett, early Tuesday morning by sharp-eyed Town Police Sergeant Frederick A. Notel. The car's license plate, dated 1962, had been painted to read "64." What gave it away was the dim legend "Empire State" showing through where the "World's Fair" should have been.

Brought before Justice of the Peace Ivan C. Topping, Mr. Price pleaded guilty to a charge of driving an uninsured vehicle, for which he received a $100 fine or 30 days in jail; to a second charge of driving an unregistered vehicle, for which the penalty was $25 or 25 days; and also to a charge of driving an uninspected vehicle, for another $25 or 25 day penalty. He

TO TEACH AT SOUTHAMPTON: Willem de Kooning of Springs and Larry Rivers and Fairfield Porter of Southampton are joining the college faculty, it was reported this week, and not by Grant Wood, either. Ed Sidor Photo

## Three Local Artists Joining Southampton College Faculty

Three well known East End painters, Willem de Kooning of Springs, Fairfield Porter of Southampton, and Larry Rivers of Southampton, are joining the faculty of Southampton College of Long Island University, it was announced this week by Dr. Edward C. Glanz, provost of the College.

Mr. de Kooning, a native of Holland, came to the United States in 1926. He has won many honors in art, including the "Medal of Freedom," presented to him recently by President Lyndon Johnson.

Mr. Rivers has exhibited widely, and is also known as a musician. Mr. Porter is a representational painter, and is also a writer on art.

The three painters took part in a recent series of panel discussions on art at Southampton College. An announcement by college officials reported that Southampton College, "With the rest of Long Island University," was "embarking on a ten-year planning and development program, including the area of the arts along with the total liberal arts program. Willem de Kooning, Fairfield Porter, and Larry Rivers contribute a unique dimension to this planning and development."

In other college news, it was announced this week that Louis E. Dorschel of Sag Harbor had presented the institution with a valuable collection of minerals. The collection includes most of the major minerals found in the eastern United States.

## Bridgehampton

Mrs. Allen Hedges, Corr.

537-1007

The sophomore and senior classes of Bridgehampton went to New York City last Thursday. They visited the Metropolitan Museum of Art and attended two plays, "Oliver" and "Henry VIII."

—

Mrs. George Carey of School Street spent the weekend with her son-in-law and daughter, Mr. and Mrs. John Shea, in Jamesport.

—

Mr. and Mrs. George Ruppel and family, of Chester Street, recently made a trip through Northern New York State and into Vermont.

—

Mrs. Frank Sayre Jr. and Mrs. Lloyd Rogers attended the County meeting of the American Legion Auxiliary at Broncho Charlie's in Oakdale on Oct. 10.

—

Mr. and Mrs. Harry Fahy of Lumber Lane have left for Florida, where they plan to spend the winter.

—

The Bridgehampton Fire Department fought a woods fire near Wainscott on Oct. 13.

—

Mrs. Waldo Burgess was with her son-in-law and daughter, Mr. and Mrs. John Hildreth, Halsey Lane, for a short visit recently.

—

Mr. and Mrs. Fred Guyer Sr. and daughter Mary Ann, of Scuttlehole Road, have been in Washington, D. C., on vacation this week.

—

Mr. and Mrs. James Donahue of Halsey Lane spent last week on a trip to the Poconos. Mr. Donahue was on vacation from his duties as Postmaster.

—

Mrs. James Hubbard of Riverhead spent part of the week with her son-in-law and daughter, Mr. and Mrs. Edwin Hedges of School Street.

—

Matthew P. Chambers was given a third term as president of the Water Mill Village Association at a recent meeting. Chris McKeever was elected first vice president; Richard Maran, second vice president; and Charles H. Borne, secretary and treasurer.

men. Some 5,000, including Mrs. Dickerson, attended.

—

Miss Elizabeth Noon, daughter of Mrs. Mary C. Noon of Noyac Road, is attending freshman classes at Dunbarton College of the Holy Cross in Washington, D. C. She is a 1964 graduate of the Academy of the Sacred Heart of Mary.

—

Mr. and Mrs. Joseph Kelly of Grand Street recently flew to Memphis, Tenn., to visit their son, Dennis R. Kelly, who is serving at Millington Naval Air Station.

—

Mr. and Mrs. John Steinbeck, Mr. and Mrs. Alexander Brook, and Mr. and Mrs. Mark Heming, in conjunction with the local Democratic Club, gave a voters' cocktail party Sunday, Oct. 18, at the Seaside Restaurant, operated by Mr. and Mrs. Tony Remkus. Over 400 people attended.

The honored guests were Con-

## VILLAGE BOARD

Continued From Page 1

son's rights. Mrs. Stevens also pointed out that beachbuggies were unlicensed vehicles and could be outlawed under the ordinance as proposed.

**Grass Through Floorboards**

Mr. Skidmore said, however, enforcement of the ordinance would be based on the question of when such vehicles becam[e] ... said there was at ... the summer colony ... nance was meant ... cars had been left untouched until grass was coming up through the floorboards.

Location #3

Elimination of the word unlicensed was also requested by Mr. Osborne, who reminded the Board that auto dealers never license new cars, which they store outdoors.

Taking opposition to the whole design of the ordinance, Mrs. Edwards asked, "What right have you to go on a man's property?" She said to do so would be an invasion of privacy. "Bit by bit our rights are being taken away from us," she said, "and I don't really see the need for this."

Mr. Skidmore, who was quick to note that he was against "paternalism in government," likened the proposed ordinance, however, to one giving the Board power to have Dutch-elm diseased trees removed from private property and to bill the landowners for the cost. The abandoned-car ordinance, he said, had been taken directly from one in use in Elmsford, N. Y., which, he said, had held up after a court test.

**Ecker Attends**

Supervisor Ecker, in a precedent-setting appearance at a Village hearing, told the members of the Village Board that the Town was watching the Village closely because it "has to take action" on the problem of what to do with what are left abandoned on public beaches or along highways.

"We have collected six or seven off the beach this summer, junk-dealers won't pick them up, and the Town has to pay to tow them to gas stations," Supervisor Ecker said. He pointed out, however, that although the Village seemed to be "taking a step in the right direction," the Town was not primarily concerned with abandoned vehicles on private property.

The letter from the Long Island Cablevision Corporation read Friday night claimed the company had asked the Board for a CATV franchise on April 8, 1963, but had not immediately pursued the matter after learning that 75 per cent of the Village phone and light wires were underground. The letter said, however, that the company was now in a position to install such underground service and claimed that it was at least entitled to the same opportunity that the Bosco Company was asking for.

**Multiple Franchises?**

The letter said Long Island Cablevision had no objection to multiple franchises, indicating that the first applicant for permission to use telephone poles would be the first to ... to the community. ...chise resolution did ... date by which the ...come operational if granted a franchise for the Village. Board members' recollection of the matter was uncertain.

In another move last week, Long Island Cablevision, which already holds franchises for CATV service for Southampton Town, for Sag Harbor and the neighboring East Hampton Town vicinity, and which is operating in Greenport and Southold, announced that it planned to spend $1,500,000 for immediate construction.

The release said towers for Riverhead, Southampton, and Sag Harbor will be ordered this month and that the Sag Harbor and Hamptons system will be ready next summer. The Sag Harbor tower will also serve Bridgehampton and North Haven.

In other Village business Friday night, the Board agreed to transfer $9,500 of accumulated surplus to its parking lot account. Douglas E. Dayton, Village attorney, reminded members that when the final bills were paid and the total cost summed up, the Board would be ready to fix special assessments for those Main Street and Newtown Lane businessmen who are to pay 15 per cent of the total parking lot cost.

They will be assessed on the basis of an average of the front footage and the square foot area of their properties.

**Beach Report**

A year-end Village beach report, showing that the Main Beach, because of bad weather, took in less money in 1964 than in 1963, and a report from Mr. McElroy on needed repairs there also occupied the Board. The operation took in $11,623 this summer, approximately $200 below last year.

William H. Strong, manager, pointed out that there were 17 days when the Main Beach did no business at all, in comparison to only three in 1963. The Board agreed to a number of repairs to the bathhouse, totaling about $1,500, and withdrew to executive session to discuss another bathing beach matter, presumably one involving a major expenditure.

A seasonal Hook Mill report also showed total receipts this summer slightly under last year. The total was $1,006, in comparison to $1,031.

**Board of Review**

In discussing the Board's decision to let the question of establishing a Board of Architectural Review lie dormant, Mr. Dayton reported that the Board had "discussed it at great length one evening." He said the Board felt the soundest objection to the proposal was the difficulty of setting up criteria to guide the proposed three-man panel in making decisions.

"We have a definite sign problem, and the quicker we get that settled, the better we'll be," Mr. Skidmore said. He added that other aspects of the original zoning change proposed had not been entirely dropped, but would not be acted upon unless the public showed general interest.

Among monthly reports made at the meeting, the Village Police Department showed increased activity with 23 vehicle and traffic summonses issued by four officers. Only two of the total were dismissed.

A letter of appreciation from Mrs. Nancy Reutershan for the Board's action in naming the new parking lot in memory of her late husband, Village Trustee Robert G. Reutershan, was read at the meeting. Another tribute to the late Mr. Reutershan was received by the Board from Mr. Strong, who will retire as manager of the Main Beach this year.

"If my operation of the Main Beach during the past several years has been at all successful, it is due in no small measure to the association and guidance of our mutual friend, the late Mr. Robert Reutershan. It seems to me that the Beach will never be the same without him," Mr. Strong wrote.

HAMPTON GALLERY
FINE FURNISHINGS FOR THE HOUSE
Open
Friday and Monday
other times by appointment

## Wainscott

Mrs. Edward C. Ayles, Corr.

EA 4-1365-J

Mrs. Charles H. Bassford left on Wednesday to spend a few days in New York and in Simsbury, Conn. In Simsbury, Mrs. Bassford will visit Mr. and Mrs. Douglas B. Hunter and children and Mr. and Mrs. E. F. Bassford and their children.

—

Mrs. Charles Renson spent a few days last week in New York. While in New York, Mrs. Renson visited the World's Fair.

—

Mr. and Mrs. Kenneth C. Crain of New York spent the weekend in their summer cottage on Town Line Road.

—

Mr. and Mrs. Lee G. Martin and children of New York were at their summer home in the Georgica Association for the weekend.

—

Mr. and Mrs. W. Gamble Woodward have closed their summer home on Main Street and have returned to New York.

—

Mr. and Mrs. William Noble and children of New York were at their summer home in the Georgica Association for the weekend.

—

Mr. and Mrs. Dudley Wood have closed their summer home on Beach Lane and have returned to New York.

—

Thomas Brigance of New York spent the weekend in his summer cottage on Main Street.

—

Mr. and Mrs. Yves-Andre Istel have returned to New York after spending the summer in the Frederick T. Merrill house on Beach Lane.

—

Mr. and Mrs. William Love have closed their cottage on Town Line Road and have returned to West Park, N. Y., for the winter.

—

Mr. and Mrs. Morris Ketchum of New York were at their summer home on Main Street for the weekend.

BE READY WHEN IT COMES
Get Your SNO-BLOWER NOW
GRIMSHAW MOWER SERVICE
Mowers Outboards
*Sales and Service*
Division Street Sag Harbor

## The Springs

Mrs. Ethel H. Talmage, Corr

EA 4-1870-W

Mr. and Mrs. Lewis Miller have been visiting their son and daughter-in-law, Mr. and Mrs. Hiram Miller, in Sioux City, Iowa.

—

At 8 p.m. today there will be a special meeting of the Springs Chapel congregation, to hear the report of the survey committee.

—

Mr. and Mrs. Elwyn Harris and family visited Lebanon Valley College, Annville, Pa., over the weekend.

—

The Springs soccer team beat Sagaponack 3-0 Monday at Springs.

—

Word has been received from the Rev. and Mrs. Peter Pillsbury that they have moved to Kenya, Africa. Rev. Pillsbury is a former student pastor of the Springs Chapel.

Rev. and Mrs. Pillsbury and their two young sons have been living in Geneva, Switzerland, for the past year. In September, they moved to Limuru, Kenya, where Rev. Pillsbury is serving with the Christian Council of Kenya, specializing in teaching.

—

Mr. and Mrs. Richard Talmage had as their weekend guest Dane Taylor of Hastings-on-Hudson.

—

Mr. and Mrs. Jarvis Wood spent Saturday at the World's Fair.

—

Miss Barbara Olsen and Miss Maureen McCallion attended the World's Fair last Saturday. While at the Fair they met Peter Lawford, and his family, and shook hands with Robert Kennedy. Both girls are seniors at East Hampton High School.

**NOTICE TO BIDDERS**

Sealed bids will be received until 10 a.m. on Monday, November 2, 1964, at the office of the Village Clerk, 27 Main Street, East Hampton, New York, for the following equipment:

SPECIFICATIONS FOR TRACTOR

Tractor to be current model manufactured within sixty (60) days and must be manufactured in the U.S.A.

Tractor to be model 2606 International Industrial.

Tractor to be equipped with muffler, fenders, safety starter, fuel gauge, voltage regulator, 12 volt battery system, heavy duty battery, oil pressure gauge, temperature gauge, dry type air cleaner system, deluxe seat with backrest, heavy duty front grille, front PTO coupler, foot accelerator and hand throttle.

Engine — 66 HP at 2,000 RPM, 6 cyl., 221 cu. in. displacement.

Steering — Hydrostatic power steering system, 13:1 overall ratio.

Hydraulic system — 17 GPM. Pump, two auxiliary valves.

Power take off — 540 RPM.

Tires — 7.50 x 16 10 ply front 14.9 x 24 6 ply rear mod. grader type

Rear Hitch — 3 point, category II, single acting, draft controlled hitch with position control. Hitch, actuating hydraulic cylinder, valve and rockshaft built into rear frame cover.

Forward and Reverse Drive — Reverses tractor without shifting transmission gears. Gives 5 speeds forward and 5 speeds in reverse. Speed in reverse is 22% faster than comparable speed forward in any gear.

Tractor must carry a factory warranty of at least 12 months or 1500 hours.

SPECIFICATIONS FOR LOADER

Loader to be International Model 2000.

Lift capacity 2000 lbs.
Max. breakaway 4000 lbs.
Lift cyls 2½ double acting
Dump cyls 2½ double acting
15° bucket roll back
Lift height 12 feet.

SPECIFICATIONS FOR MOWER

Mower to be International Model 110 balanced head mower
5 ft. cutter bar
Hydraulic mower drive independent of tractor PTO
Cutting Angles — vertical to 45° below horizontal
Cutter bar breakaway automatic 45° swingback
Hydraulically operated curb lift — ground to 11"

SPECIFICATIONS ON ALL-WEATHER CAB

Sims Standard cab mounted for use with model 2000 loader, including electric windshield wiper.

SPECIFICATIONS FOR FLAIL MOWER

Mowing width 6 feet
Blades 40
Operating PTO speed 540 RPM
Knives 3/16" thick by 1¾" wide by 7" long
3 point lift type
Adjustable gauge roller.

TRADE IN: 340 International Tractor Bucket Loader and Sickle Bar Mower and Mott Hammer Mower. May be seen at Village Barn, Race Lane.

The right is reserved to reject any and or all bids.

Dated: October 22, 1964.

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# THE VILLAGES

## Sag Harbor

Mrs. Ray Harris, Corr.

725-1909

Mr. and Mrs. Charles Shaw are in Cleveland, Ohio, visiting their daughter and son-in-law, Mr. and Mrs. Douglas Fletcher.

—

Barton Cleveland flew from Los Angeles, Cal., last week to attend a Random House publishing conference at Spring Valley, N. Y. He spent the weekend with his parents, Mr. and Mrs. Arthur Cleveland.

—

Mr. and Mrs. Olan Edwards Jr. left Tuesday for Chicago, Ill., with their granddaughters, Arden and Astrid, so the children could join their parents, Mr. and Mrs. Olan Edwards III, who are living there for a year while Mr. Edwards is studying there.

—

Mrs. Paul Freers, with her niece, Miss Diane Cleveland, drove to Farmingdale to spend the weekend with her sister, Mrs. Frederick Scholtz, and Mr. Scholtz.

—

Mr. and Mrs. Robert Schiavoni have bought the Michael Vacca home on Jermain Avenue.

—

Forty-one members of the local chapter of the American Association of Retired Persons left by bus last Wednesday morning for a day at the World's Fair, returning home by midnight. Members hope to have another trip before the Fair closes. William Farrell was chairman for the trip.

—

Cheryl Meinertzhagen left last Saturday for Germantown, Pa., where she has entered Combs College of Music, to major in voice. Her parents, Mr. and Mrs. Robert Meinertzhagen, accompanied her on the trip.

Linda Olenik, daughter of Mr. and Mrs. Kenneth Olenik, Bridgehampton Turnpike, left last week for Chandler Business and Finishing School for Women in Boston, Mass.

—

Bonnie McCrosson, daughter of Mr. and Mrs. James McCrosson, North Haven, has left for her freshman year at Immaculate College in Washington, D. C.

—

Sharon Pintavalle, daughter of Mr. and Mrs. Salvador Pintavalle, has left to study at White Plains School of Nursing.

—

Nancy Menaik has left for her junior year at State University College at Brockport.

—

Miss Dorothy Simon of Suffolk Street had as recent guests her cousins, Mrs. Mandell and Miss Beatrice Simon, of Patchogue.

—

Gale Cilli, daughter of Mr. and Mrs. Dominic Cilli, is attending the Claremont Secretarial School.

—

Attending the Fenelon-Amundson wedding in Meriden, Conn., Saturday were Mr. and Mrs. Stanley Jacobs, Miss Carolyn Jacobs, Mr. and Mrs. Charles F. Schreier, and Mrs. R. F. Harris, of Sag Harbor; and Mr. and Mrs. Elmer Fenelon, James and Wayne Fenlon, of Amagansett; and Miss Frances Worden of Noyac.

Mr. and Mrs. Schreier and Mrs. Harris spent several days on their trip to New England with Mr. and Mrs. James P. Harris in Attleboro, Mass.

—

A daughter was born Sept. 22 to Mr. and Mrs. Paul Rinaldi. Mr. and Mrs. Frank Bennett are the parents of a son, born Sept. 27.

## The Springs

Mrs. Ethel H. Talmage, Corr.

324-4708

A retreat for members of women's organizations of the Deer Park Presbyterian Church was held in the Springs Chapel last Saturday. Luncheon was served by the ladies of Circle One. The guests were enthusiastic, and talked of making it an annual event.

Rally Day was observed during the morning service in the Chapel Sunday, with the Sunday School attending in a body. Regular classes will resume this Sunday at 10:15 a.m., with John F. Davis as superintendent; Mrs. Stratton Miller as kindergarten teacher; Mrs. George De Clark as primary teacher; Mr. Davis, junior teacher, and Mrs. Roy Miller as junior high teacher.

—

Six young people from Springs are attending the new vocational school in Center Moriches. The girls are taking courses in beauty culture and the boys in auto t[illegible]

The students are [illegible] Barbara Bennett, [illegible] Christina Quackenbush [illegible] nett, and Roger Price.

—

The Rev. Paul Cunkle and daughter Jo Ann, of Deer Park, were weekend guests of Mr. and Mrs. Jarvis Wood.

—

Mr. and Mrs. Frank Pidgeon and Mrs. Cleon Dodge and sons Cleon and Carter took the Long Island Rail Road excursion train Saturday and visited the World's Fair.

—

Mr. and Mrs. Stratton Miller have returned from a trip through New England and New York State. They visited the Howe Caverns and the Finger Lakes.

—

Mr. and Mrs. Ralph W. Neill of Newport News, Va., are spending a week's vacation with Mrs. Neill's mother, Mrs. Tunis Bennett.

—

Mr. and Mrs. John Davis attended the funeral of William R. Smith in Freeport on Monday.

—

Mrs. Marie Rea has returned home from Southampton Hospital and is convalescing from her recent attack of pneumonia at her home on Neck Path.

## Nursing Graduate

Location #4

MISS DIANE Pendola of Wantagh and Springs was graduated from Glen Cove Community Hospital School of Nursing on Sept. 14. She is continuing work at the hospital, and taking a course at Nassau Community College.

## Wainscott

Mrs. Edward C. Ayles, Corr.

324-2089

Mrs. Charles H. Bassford returned home on Tuesday after a trip to Minnesota. She drove there with her daughter, Mrs. Douglas Hunter of Simsbury, Conn., and her granddaughter, Miss Janet Hunter, who entered Carleton College in Northfield, Minn.

They made the trip by way of Buffalo and Canada, crossing Lake Michigan by ferry. They returned to Simsbury on Saturday and Mrs. Bassford returned here by air from Hartford in Stewart Topping's plane, accompanied by Mrs. James M. Dunn.

Mr. and Mrs. John C. Tysen, whose summer home on Beach Lane was recently destroyed by fire, came from New York to spend the weekend in Wainscott.

—

Among the local people who attended the World's Fair on Saturday were: Mr. and Mrs. Joseph Kristopowitz, Mrs. Leroy Osborn, Mrs. Albert C. Hand Sr., Mrs. Charles J. Hall and daughters, the Misses Melodie and Jeanne Hall, John D'Andrea and sons, Tommy and Paul, Miss Kathleen Field, Miss Barbara Wilson and Lee Rauscher.

—

Mr. and Mrs. Hamilton Fish Armstrong had as their house guest for the weekend, Queen Hopla of Sikkim.

—

Mr. and Mrs. Elliot Ogden of New York were at their summer home on Main Street for the weekend.

—

Miss Brenda Walker, a graduate of East Hampton High School, Class of '65, is attending the Collegiate Business Institute in New York. Miss Walker is the daughter of Mr. and Mrs. Henry C. Walker of Sayre's Path.

—

Mr. and Mrs. Poul Fricke of New York spent the weekend in their summer home on Main Street.

—

Mr. and Mrs. William R. Borland of New York were at their summer home on Sayre's Path for the weekend.

—

Mrs. L. Mackay Livingston returned to New York on Monday after spending a few days in her summer home in the Georgica Association.

—

Mr. and Mrs. E. F. Reed returned to Pittsburgh, Pa., on Tuesday after spending a few days in their summer home on Beach Lane.

—

Mr. and Mrs. Edward Mathews of New York spent the weekend in their home on Wainscott Stone Road.

—

Mr. and Mrs. Christian Herter Jr. of New York spent the weekend in their summer home on the Wainscott dunes.

—

Mrs. Gregory Zilboorg and children of New York were at their summer home in the Georgica Association for the weekend.

—

Mr. and Mrs. Victor Frank Jr. of New York spent the weekend in Wainscott.

—

Queen Hopla of Sikkim, the former Hope Cooke of New York, spent the weekend with Mr. and Mrs. Hamilton Fish Armstrong at their home on Wainscott Road.

## Bridgehampton

Mrs. Allen Hedges, Corr.

537-1007

Karen Ruppel, daughter of Mr. and Mrs. George Ruppel, Chester Street, celebrated her eighth birthday Saturday.

—

Mr. and Mrs. Roger Murray, former residents of Noyac, are now occupying the apartment in the Phillip Singer house on Newman Avenue.

—

Frank Sandford is home from the Southampton Hospital, and his daughter, Mrs. Emilio Gerardi of Kings Park, is visiting him at his home on Montauk Highway.

—

Mrs. Howard Hendrickson has gone to Sugar Hill, N. H., for a month.

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# THE VILLAGES

## Sag Harbor

Mrs. Ray Harris, Corr.
725-1909

Seaman Apprentice Robert E. Conrad, USN, 21, son of Mr. and Mrs. Kenneth L. Conrad, Manor Road, has completed nine weeks of basic training at Great Lakes, Ill.

—

Mr. and Mrs. Redfield Wright have returned home after a trip to Virginia, where they visited Williamsburg and Monticello. Their son-in-law and daughter, Dr. and Mrs. Thomas Engster of Troy, accompanied them.

—

Mr. and Mrs. Robert Espach and son Steven recently visited relatives in Texas. En route, they stopped in Tulsa, Okla., with the Rev. and Mrs. C. Roger Nelson and family, formerly of the Presbyterian Church here.

—

Mr. and Mrs. Alfred C. Bates have returned to their North Haven home after spending the winter in Deerfield Beach, Fla.

—

Attending the all-day meeting of the Long Island Presbyterial Society in Southold last week were Mrs. Lester Burns, Mrs. R. F. Harris, Mrs. Edward Smith, and Mrs. Roland Smith.

—

A son, Edwin Jr., was born to Mr. and Mrs. Edwin Bill of San Jose, Cal., on April 16. He is the great-grandson of Mr. and Mrs. George T. Bill of Sag Harbor.

—

The Couples Club of the Presbyterian Church met April 29 in the church hall, with Mrs. Elizabeth Ivans presiding. Plans were made for a luncheon for 160 young people from the Moriches area, who are to visit Sag Harbor on June 6.

Richard Hendrickson of Bridgehampton, Cooperative Weather Observer, spoke on conservation and the weather.

—

Mr. and Mrs. Adrian Kennedy returned to their Bay Point home last week after spending the winter in St. Petersburg Beach, Fla.

—

**VFW Elects**

The local Veterans of Foreign Wars Post met April 24 and elected Cecil A. Bill as commander for the coming year. Senior vice commander will be William L. Brooks.

Other officers include Ronald Stinson, junior vice commander, a veteran of the Vietnam war; Benjamin S. Fisher, quartermaster; Robert Fordham, another Vietnam veteran, chaplain; Fred Thiele, advocate; Peter McLaughlin, also a Vietnam veteran, surgeon; and Harry G. Bailey, trustee.

The officers will be installed May 19 by Mr. Fisher. At the April 24 meeting, plans were made for the annual Memorial Day ceremonies at the Civil War monument on Main Street.

The Post commander, John E. Schoen, welcomed the Vietnam veterans, and offered them the first year's dues free.

—

The Rt. Rev. Monsigner Julian Zebrowski, formerly of St. Andrew's Church, now of St. Hyacinth's Church, Glen Cove, is observing his 50th anniversary as a priest this year.

St. Andrew's was his first pastorate, and he served here until 1948.

—

The Pierson High School seniors, under the direction of Al Heckert, presented their play, "The Girls in 509," to full houses Friday and Saturday nights at the school gym.

The attendance was record-breaking. The leading roles were played by Paula Kruger, Denise Holder, Donna Green, William Jones, and Dennis Rozzi. After the Saturday night performance, the cast and staff were entertained at the home of William Jones, son of Town Clerk and Mrs. Claude Jones.

**NOTICE OF PUBLIC HEARING**

NOTICE IS HEREBY GIVEN that the Zoning Board of Appeals of the Village of East Hampton will hold a public hearing at the Village Hall, 27 Main Street, East Hampton, New York, on the 17 day of May, 1968, at 11:30 A.M. o'clock, for the purpose of hearing an application of Daniel Rattiner for a variance to construct a sun deck on the rear of a single family dwelling situated on the Montauk Highway on a lot which is non-conforming in area, width, side yards, etc., and which itself was the subject of a previous variance by this Board.

Said Zoning Board of Appeals will at said time and place hear all persons who wish to be heard in connection with this application. Interested parties may appear in person or by agent.

Dated May 7, 1968

Zoning Board of Appeals,
Village of East Hampton

34-2

**NOTICE OF PUBLIC HEARING**

NOTICE IS HEREBY GIVEN that a public hearing will be held by the Planning Board of the Village of East Hampton, Suffolk County, New York, at the Village Hall, 27 Main Street, East Hampton, New York, on the 17th day of May, 1968, at 7:00 P.M. o'clock, for the purpose of considering the application of Robert C. Osborne, Esq., attorney for Waldorf Equity Research, Inc., of 277 Park Avenue, New York City, New York, the owner and developer of "Egypt Close," for reduction of performance bond on the basis of road, drainage, and other work completed to date.

A copy of the above mentioned subdivision plat, engineer's report, and other data is available for inspection at the office of the Village Clerk of the Village of East Hampton, New York.

Said Planning Board will at said time and place hear all persons who wish to be heard in connection with this application. Interested parties may appear in person or by agent.

Dated May 7, 1968

Planning Board,
Village of East Hampton

## Bridgehampton

Mrs. Evelyne Rodriguez, Corr.
537-0318

A rummage sale from 9 a.m. to 5 p.m. Saturday at the Shelter Club on Pond Lane, Southampton, will benefit the Hampton Animal Shelter on Brickkiln Road here.

Old and new furniture, bric-a-brac, clothing, and china will be sold. Donations of articles may be made at the Club afternoons after 3:30 p.m.

—

Chris Foster of Deerfield Road, Water Mill, attended a convention of the Amway Corporation April 24-27 in Grand Rapids, Mich. He is local distributor for the cleaning products firm.

—

Mrs. Richard G. Hendrickson is the chairman of this year's local Cancer Crusade, and contributions to the American Cancer Society may be sent to her.

—

The Bridgehampton kindergarten class went to the Wildlife Refuge in Quogue on Tuesday with their teacher, Mrs. Ruth Elliston, and several parents.

—

Patients at the Southampton Hospital this week include Ralph Sayre, Montauk Highway; William DePetris Jr., Main Street; and Sherri Egan, School Street.

—

The Fire Department was called out Sunday afternoon to extinguish a small brush fire in the rear of the G & I garage on the Montauk Highway in Wainscott.

—

**At The School**

The annual spring concert and exhibit will be held at the Bridgehampton School at 7:30 p.m. Friday, May 17. The doors will open at 7 p.m.

The concert will include selections by the junior band, directed by Pierson Hildreth, and the High School Glee Club and band, directed by Charles Mockler. Parents and friends have been invited.

Registration for next September's kindergarten class will be held on May 23, when this year's classes will present a program in the morning. Testing for next year's class will be scheduled in the afternoon.

If a child will be five by Dec. 1, his parents should have been notified. If not, they have been asked to call the School. Parents must bring proof of the child's age and proof of polio immunization to the registration session.

## Headed for College

**MARTHA ANN Myers, daughter of Mr. and Mrs. James M. Myers of Cozzens Lane, Amagansett, has been accepted for entrance at Villa Maria College, Erie, Pa. She is now attending the Academy of the Sacred Heart in Sag Harbor.**

## Wainscott

Mrs. Helen Ayles, Corr.
324-2089

Mr. and Mrs. William C. Klenk Jr. returned to their home in the Georgica Association last week after having spent the winter in the Bahama Islands.

—

Mr. and Mrs. Edward L. Barlow of New York were at their home on Sayre's Path for the weekend.

—

Mr. and Mrs. William F. Draper returned to New York on Tuesday after spending a few days in their home on Main Street.

—

Mr. and Mrs. Fred W. Wilson of Manhasset spent the weekend in their home on Main Street.

—

Mrs. Francis O. Noble of New York spent a few days last week in her home in the Georgica Association.

—

Mrs. Charles H. Bassford will leave Saturday for a two-week visit with relatives in Simsbury, Conn.

—

Mr. and Mrs. Arthur T. Whitney of New York were in their home in the Georgica Association for the weekend.

—

Mr. and Mrs. James DeCamp Wise of New York spent the weekend in their home on Beach Lane.

—

Davis Allen of New York is at his home on Beach Lane for the weekend.

—

Mrs. Mary Bailey Gimbel of New York spent the weekend in her home on Town Line Road.

—

Mr. and Mrs. Christian Herter Jr. of New York were at their home on the Wainscott dunes for the weekend.

—

Mr. and Mrs. Edward Mathews of New York spent a few days recently in their home on Wainscott Stone Road.

—

Mrs. Eleanor Preston of New York was at her home on Sayre's Path for the weekend.

—

Dudley P. K. Wood of New York spent the weekend in his home on Beach Lane.

—

Mr. and Mrs. Robert S. Gillham returned to New York on Monday after spending a few days in their home on Beach Lane.

—

Judge and Mrs. Bruce Bromley of New York were at their home in the Georgica Association for the weekend.

Location #5

## Amagansett

267-3477

A son was born on May 1 in San Diego, Cal., to Lieutenant David H. Hoffman, USN, and Mrs. Hoffman, who is the former Miss Mary Burkhardt, daughter of Captain John Burkhardt, USN and Mrs. Burkhardt of the Great Lakes Naval Training Center in Illinois, and Cranberry Hole Road, Amagansett.

The infant will be called David Edward. Mrs. Burkhardt is spending several weeks in San Diego with her son-in-law and daughter.

**Community Center Proposal**

Mrs. Virginia Beadle of Schellinger Road announced this week the formation of a citizens' committee to organize a fund drive for the purchase of the Hampton Gallery on Main Street as an Amagansett community center. Persons interested in working with the committee or with other ideas on the community's needs have been asked to phone or write her at P.O. Box 547.

The kind of project that might be offered at such a center, a young people's class in beginning photography, will get a head start on the proposed center itself this Saturday, when Thomas E. Mahnken Jr. of Indian Wells Highway offers the first of a series of classes at his home in beginning photography at 9:30 a.m.

Mr. Mahnken is on the staff of the Famous Photographers School in Westport, Conn. A nominal fee will be charged and all fees will be donated to the proposed center.

Mr. and Mrs. Purnell Curles have arrived in Amagansett after spending the winter in Coinjock, N. C.

—

Mrs. Steve DiSunno, who is a patient in Southampton Hospital, has been reported improving.

—

The State Department of Transportation this week installed three catch basins to correct drainage conditions in the vicinity of the Amagansett Post Office. One basin, the largest, went in front of the Post Office building, the other two on adjacent land on either side.

—

The Rev. and Mrs. Braun and their children, formerly of the Amagansett Presbyterian Church, who now live in Levittown, Pa., visited Dr. and Mrs. Lucien Capobianco this week.

—

Mrs. Eugene Loper entertained the Wednesday Afternoon Bridge Club at her home on Devon Road

—

Mrs Ivan C. Topping of Lindenville, Vt., and her children are spending the week visiting Amagansett, stopping at the Sea Breeze Inn.

—

Mrs. Lillian Baird of Syosset is visiting her sister, Mrs. Malcolm Clark of Meeting House Lane this week.

—

Mr. and Mrs. Ascher Opler have opened their house on Bluff Road for the season.

—

A daughter, Kristine Marie, was born at the Southampton Hospital on April 25 to Sergeant Robert Fennell, Special Forces, and Mrs. Fennell, who is the former Miss Kathy McMahon, daughter of Mr. and Mrs. Harold McMahon.

The infant will return home from the hospital this weekend. Sergeant Fennell, who was in Vietnam for 18 months and is now stationed at Fort Bragg, N. C., is here for a month's leave.

—

Amagansett School's Wesley Payne gave up five hits in a 7-to-4 loss to the Springs School on Monday in a baseball game. The Amagansett team travels to Montauk tomorrow for a game there.

# ZBA Reaches Two Compromises

Compromise solutions were reached by the East Hampton Town Zoning Board of Appeals in two applications for variances involving property in the Amagansett East area. In the first, it was ruled that three houses, rather than the possible four, could be built after the division of a parcel.

In the second case, permission for the building of an open deck on an existing house was granted after the owner scaled-down the requested size.

Sonya C. Ackerson had applied for permission to divide a parcel at Surf Drive, Central Avenue, and Wyandanch Lane, into four lots. None would conform to the zone B minimum area of 20,000 square feet, and two would be non-conforming as to width at the building line.

**Objection**

Existing houses would be on two of the parcels. George Balasses, representing the Amagansett East Association, objected to the possible issuance of two more building permits.

After some discussion, the Board ruled that "having three houses on 46,000 square feet would not be out of the general character of the neighborhood," and granted the variance as rearranged to allow this only.

In the other action, Richard E. and Roseclaire Lynn applied for a variance which would allow them to build a deck to within ten feet of their side boundary at their house on Gardiner Drive, in zone B, where a 15-foot setback is required.

**Modified Request**

The deck would join an existing deck, and would provide an outdoor eating area. James A. Ecklund and Frank Beilin, neighboring owners, registered objections through Saul Wolf, their attorney.

Mr. Balasses also registered objections. Mr. Lynn then spoke, and proposed a modification, reducing the size of the deck so that it could be built up to within 13 feet of the property line. The lot in question is only 60 feet wide.

The variance as modified was granted, subject to certain conditions, including a stipulation that the deck not be roofed.

## The Springs

Mrs. Fred Fanning, Corr.
324-4705

Mrs. Cho Miller and her young daughter Ronnie recently arrived from Korea to join Mrs. Miller's husband, Milton, of Woodbine Drive, Sunny Dell Acres.

—

Mr. and Mrs. Douglas Tikkanen, Mrs. David Wiggins, and Mr. and Mrs. Walter Tikkanen were called to New Milford, N. J., recently upon the death of a friend.

—

Elwyn Harris is recuperating in the Southampton Hospital after suffering a broken hip when he fell off a ladder at work.

—

Bruce Greene, USMC, son of Mr. and Mrs. Connie Greene, has been promoted to Lance Corporal. He is to be stationed in North Carolina.

—

Circles One and Two of the Presbyterian Church will meet at the Chapel at 9:30 a.m. next Wednesday, to spring-clean. Members have been asked to bring their own lunches; dessert will be furnished.

—

Baseball season has started for the Springs School team, which lost to Tuckahoe 11-1 last Wednesday. On Friday, Springs downed Montauk 13-1 on the Montauk diamond.

Amagansett came to Springs Monday and lost 7-4. Tuckahoe will play at Springs tomorrow.

—

Mr. and Mrs. Robert Eichhorn, Three Mile Harbor, are the parents of a daughter, born last Thursday at the Southampton Hospital.

—

This Saturday, the Cub Scouts will start a door-to-door bottle collection to help with their Vietnam project. The public has been invited to leave bottles at the Springs Chapel that morning.

The Cubs are also selling Tootsie Rolls, for the same project. In the "Pinewood Derby" model auto race Sunday, Jimmy Loper, Den Three, had the fastest car, and Bruce Herrlin, Den Three, the best looking. Den Three members have been making Mothers' Day gifts.

—

Mme. Auguste Chardenet of Valley Stream, who spends summers here with her son-in-law and daughter, Mr. and Mrs. Pierre Franey, underwent an operation last Friday at Mercy Hospital, Rockville Centre, and is making a good recovery.

—

Mrs. Linda Dittmeier of Brunswick, Ga., and her two children Michael and Jeff, are visiting her parents, Mr. and Mrs. Albert Price, 787 Accabonac Road.

The Prices' son, Roger, is aboard the transport John Pope heading from Oakland, Cal. for South Vietnam. Specialist Fourth Class Price is assigned to the 132nd Aviation Company of the Army.

**ZONING**

Continued From Page 1

health, safety, morals or general welfare of the community as required by Section 261 of the Town Law of the State of New York nor are the regulations uniform with respect to each class or kind of building as required by Section 262."

**"Piecemeal" Amendment**

The ordinance, the Gurney's attorneys say, was not adopted to represent a comprehensive plan, but rather has been amended "piecemeal" since its adoption in September, 1957.

Concerning Gurney's case itself, the attorneys allege that the inclusion of that property into a residence A zone by the Town was arbitrary. They go on to take issue with the parking-area and coverage requirements as unjustified.

## At Sheriff's Luncheon

MAYOR JAMES SKIDMORE, left, of East Hampton, and Mayor Arthur Levine of Greenport were among the guests of Sheriff Frank A. Gross May 2 at a luncheon for East End Police Chiefs, Mayors and Supervisors.

## Musings of an Innkeeper

I wonder how many people realize the extent of the contribution Gurney's Inn makes to the tax rolls of the Township of East Hampton? For the year 1967, we paid in excess of $15,000.00 to the Town of East Hampton in real estate taxes. Based on a calculated yearly tax average of $300.00 per household, it would take 50 private homes to equal this contribution. Fifty homes—if we assume an average of four persons per household—would be equivalent to 200 persons. Can you picture 50 homes and 200 people concentrated on the area that Gurney's occupies? And some folks are concerned about population density!

Now-assuming that these 50 private homes have one child of school age—how many additional classrooms would be needed? How many additional school buses would be needed? How much of an additional burden would this create on our educational budget? How much of a drain would these 200 people in these 50 private homes create on the Police Department, the Fire Department, the Road Department and so on? If our application for a variance to create an addition to Gurney's Inn had not thus far been so effectively blocked, our $15,000.00 tax contribution to the community would have been even larger by a considerable amount. Many townspeople are already criticizing the high taxes imposed on them. With increasing services, taxes can be expected to rise in proportion. Wouldn't it be a nice thing to have an organization pick up a good part of this tax bite without asking or demanding any returns in Town Services?

Gurney's Inn is almost completely self-sufficient and thereby makes little demand on the general public services. We have our own Water and Sanitation System. We have our own Fire Department. We don't ask for any schools. We don't ask for any classrooms. We don't ask for buses to transport children to and from school. We don't have anybody on Welfare. The people who come to Gurney's do nothing but bring money INTO the Town, never out.

Maybe the foregoing will give some food for thought to people who are so concerned about creating a better image of the Village of Montauk—and they'll realize that the lame excuse of population density to block our variance request has actually not even one leg to stand on.

I wonder how hard you really have to look to see areas and homes that are somewhat less than esthetic beauties, and I am talking not only of areas and homes that were built prior to our adopted Zoning Ordinance in 1957, but homes and areas that have been built and developed since the inception of this Ordinance. In point of fact, areas and homes that have been built and developed in the last four

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# THE VILLAGES

## The Springs

Mrs. Pauline Hamill, Corr.
267-3617

Pierre Franey returned to his home in Valley Stream on Tuesday after spending a few weeks in Europe. His mother, Mrs. Charlotte Franey of Tonniere, France, returned here with him.

—

Craig Claiborne is returning to New York today on the S.S. France of the French Line after a trip to the Far East, the Middle East, and Paris.

—

Paul Peters of Glade Road has been transferred from the Southampton area to the Springs area as agent for the Metropolitan Life Insurance Company.

—

Mrs. Freston Anderson Sr. and Mrs. Lawrence Hamill and daughters of Stone Highway spent Saturday in New York.

—

A Christmas dance was held last Friday for seventh and eighth grade students at Ashawagh Hall.

—

The Springs School will close for Christmas vacation on Friday at 11:40 a.m. and will reopen Monday, Jan. 6.

—

Kevin Liberti, son of Mr. and Mrs. Angelo Liberti of Copeces Lane, was a patient at the Southampton Hospital from Sunday to Tuesday.

—

Cub Scout Pack 298 held a Christmas party for their parents Monday evening. Ronnie Bennett, son of Mr. and Mrs. Robert Bennett of Neck Path Road was the Santa Claus.

The boys gave presents to the parents of gifts they had made at Den meetings. Christmas carols were sung and the new Dens were awarded their Bob Cat Pins. Refreshments were served and Cadette Troop members were guests.

—

There will be a St. Peter's Chapel Sunday School Christmas party at 7 p.m. Friday at St. Peter's.

—

There will be an open house at Frank's Service Station Saturday from 4 to 6 p.m.

## Sag Harbor

Mrs. Ray Harris, Corr.
725-1909

Jay Babcock, USN, is spending a Christmas leave with his parents, Mr. and Mrs. Paul Babcock, Division Street. He is stationed at Lamoore, Cal. His brother Paul is with the Air Force in Vietnam.

—

William Brannock, USN, is visiting his parents, Mr. and Mrs. Howard Brannock, Maidson Street. He has been at Great Lakes Naval Training Center, Illinois.

—

Mrs. Redfield Wright has returned from a visit to Troy, N. Y., with her daughter, Mrs. Thomas Engster, and family. While there she was hospitalized after a fall. She is recovering at her home on Cove Terrace.

—

Miss Delores Zebrowski is vacationing in Portugal from her duties at the Southampton Hospital.

—

William Poate is undergoing tests at Columbia Medical Center, New York.

—

Mr. and Mrs. Peter J. Wade and their infant son have moved into their new home, the former Dutcher house, on Main Street.

—

Police Chief John Harrington has warned that no all-night parking will be allowed on Village streets until next March 15.

—

Schools will be closing tomorrow for the Christmas recess. Pierson School will be closed until Jan. 6, and St. Andrew's School until Jan. 2.

—

Mrs. Horace Klenk of Noyac has gone to Wheaton, Ill., to spend the winter with her son and his family.

—

The Community Bible Church of Noyac held a family night Sunday, with a 6 p.m. supper, followed by games and a film. The Ladies' Auxiliary held a Christmas luncheon Dec. 11.

—

A bridal shower was held Dec. 7 at the home of Mrs. Joseph Nolan, Howard Street, for Susan Hallock, and given by Karen Babula, Mrs. Nolan's daughter. Twenty guests attended, including the bride-to-be's mother, Mrs. Robert Hallock of Bridgehampton.

Miss Hallock married Theodore Babula on Dec. 14, becoming Mrs.

American Association of Retired Persons held its annual Christmas party Dec. 12 at 8 p.m. in the American Legion Hall. One hundred and fifty attended, and were entertained by the Whalers Chorus barbershop singers and the Sweet Adelines.

—

A testimonial dinner was held Dec. 11 at Baron's Cove Inn for James Durning, who is retiring from the Bulova Company's Sag Harbor Division after 50 years of service. One hundred and fifty guests attended. Mr. Durning was presented with a portable bar, and Mrs. Durning was given a box of roses.

—

**Holiday Services**

A candlelight service was held Sunday evening in the Presbyterian Church, with the Revs. LeRoy Zavadil of Christ Church, John Drab of St. Andrew's Church, and H. B. Barrow of the Presbyterian Church, taking part, as did Sister Jeanne Marie of the Order of the Sacred Heart of Mary.

There was special music by the junior and senior choirs, directed by Fred Hines, with Mrs. Jane Fletcher at the organ, and six soloists.

There will be Christmas Eve carol-singing at 11:30 p.m. at St. Andrew's Church, followed by mass at midnight.

At the Methodist Church, the young people will take part in the 11 a.m. service Sunday, reading and presenting a tableau of the Christmas story. The annual Christmas party will follow in the Sunday School rooms.

There will be a service at 7:30 p.m. Christmas Eve, with carol-singing and a reading of the Christmas story.

The annual Christmas program of the Community Bible Church, Noyac, will be presented Sunday, followed by refreshments and a social hour.

The eucharist will be celebrated at Christ Church at 11 p.m. Christmas Eve, and at 11 a.m. Christmas Day. The Church School Christmas party will be held Dec. 29, at 7 p.m. in the Parish House, with movies, refreshments, and gifts.

At the Presbyterian Church, the service Sunday morning will include lesson-readings with the various organizations taking part. There will be a short service at 9:30 a.m. Christmas Day.

## Wainscott

Mrs. Helen Ayles, Corr.
324-2089

Mrs. John Emmett left by plane on Sunday for El Paso, Tex., where she will spend the remainder of the winter with her son and daughter-in-law, Dr. and Mrs. John Emmett Jr., and their children.

—

Andy Babinski arrived home on Sunday from the University of Vermont in Burlington where he is a first-year student, to spend the Christmas holidays with his mother, Mrs. William Babinski, and sister, Jane.

—

Mr. and Mrs. Elliott Ogden and children of New York were at their home in the Georgica Association for the weekend.

—

Victor Whitlock of New York spent a few days last week in his home on Town Line Road.

—

Mrs. Francis O. Noble of New York spent the weekend in her home in the Georgica Association.

—

Mr. and Mrs. John Nagel of New York spent the weekend in their home on Beach Lane.

—

Robert N. Kreidler and Roger H. Steldon of New York spent the weekend in their home on Town Line Road.

—

Charles Benedict of New York was at his home in the Georgica Association for a short stay last week.

—

Mrs. Natalie Dubassoff of New York spent a few days last week in her home on Town Line Road.

# Interrupted Conversation

Who, Us? Larry Hotchkiss-Stony Hill Stable

## Bridgehampton

More than 150 people attended the two-hour Bridgehampton Lions Club cocktail party at Philip's Saloon on Dec. 7. Hors d'oeuvres were prepared by wives of members, and the event was called "a huge success" by Walter Buchholz, president of the Club.

—

Junior Girl Scout Troop 154 met last Thursday in the Presbyterian Church parlors, and separated into two groups after the flag ceremony. One group worked on table decorations for a nursing home and on picture-books for the Child Care Center, and the other group on items for a "wildlife Christmas tree."

Brownie Troop 36 members made popcorn balls, and helped the Girl Scouts trim a tree.

—

The Bridgehampton High School has issued the honors list for the second marking period. On the Regents group first honors, with an average of 90 or better, were Donna Hildreth, Marsha Tureski, Gloria Danowski, Betty Musnicki, Joy Tureski, Betsy Ludlow, Carrie Thayer, Ruth Danowski, and Barbara Skretch.

Cathleen Hoinski was listed for first honors in the non-Regents group. In addition, 29 students were listed for second honors, and 31 for perfect attendance. Girls were in the majority in each category.

—

Elmer S. Hand Jr. whose parents live on Murray Place, was promoted to Army Specialist Fifth Class on Nov. 22, while serving with the 73rd Signal Battalion near Cam Ranh Bay, Vietnam. He is a graduate of Bridgehampton High School and City College of New York.

—

**At The School**

Classes at the Bridgehampton School will recess for the Christmas holidays at the end of the school day Friday, and at 7:30 p.m. Friday there will be a concert, open to the public, at the School.

The High School and Junior High School bands will play, and the Junior Glee Club will sing. Charles Mockler and Pierson Hildreth will direct.

—

The Bridgehampton Fire Department was called out at 2:30 a.m. Sunday to extinguish a fire in the storage barns at Henry Schwenk's farm on the Montauk Highway near Wainscott. The blaze, which apparently started in wiring inside a false wall, was a stubborn one, and had broken through the roof when the firemen arrived.

The fire was contained, however, and extinguished despite the high winds blowing at the time.

## Amagansett

267-3477

Mr. and Mrs. Donald P. Gordon left this week to spend the winter in Florida.

—

Santa Claus will make his annual visit to the children of the Amagansett Fire District on Saturday at the Fire House between 2 and 4 p.m. The members of the Fire Department have arranged the event and ladies of the Auxiliary will assist.

—

A program of films for children will be given free at the Amagansett Library at 11 a.m. Saturday.

—

**School May Get Professional Study**

A professional study of the program and space problems of the Amagansett School may be conducted in the near future, Marvin Kuhn, chairman of the School's advisory committee, announced this week.

According to Mr. Kuhn, the Amagansett School Board and School principal Harrison G. Schneider have agreed to request such a survey from a group of educational consultants associated with the College of the City of New York. Mr. Schneider and a Board member met with representatives of the group in New York on Dec. 4.

Mr. Kuhn reported that the study had been recommended to the Board by the advisory committee earlier in the fall, after the committee had done some studying of its own of the Amagansett School's program, space requirements, and of the possibility of sending older pupils to East Hampton for schooling, without coming to any conclusions.

The cost of the study had not yet been established, Mr. Kuhn said, but he added that committee members felt it would be "nominal" considering the importance of the questions involved.

The advisory committee was established by the Board last spring and given a broad mandate to study the School's problems. The Board also presented the committee with a tentative construction plan for an addition that Board members felt would best solve space problems.

The School will close for its holiday vacation at 11:45 a.m. tomorrow. This afternoon at 1:30 p.m. the annual Christmas program is being presented for parents and friends.

# Four Youths Arrested

East Hampton Town Police Patrolman Charles Morici arrested four youths in Montauk on Friday morning after the Department had received a call from a person who said flood lamps were being taken from the vicinity of Ping's Restaurant and the Stop 27 motel.

Patrolman Morici, when he arrived at the Montauk Plaza, reported that he saw three youths get out of a Ford Mustang, which then sped off on Montauk Highway heading east. The Patrolman followed the car and arrested its driver, identified as Thomas J. Hurley, 19, of Bay Street, Sag Harbor. Hurley admitted that he and the other three had taken the lights, the police said.

Patrolman Morici returned to the Plaza and arrested the others, who were identified as William R. Hamilton, 19, Jermain Street, Sag Harbor; John C. Hedberg, 17, of Division Street, Sag Harbor; and Peter J. Digerolamo, 20, of Madison Street, Sag Harbor.

**Two Fined**

They were charged with loitering and brought before Justice R. Thomas Strong the next morning. Hurley and Hamilton were each fined $10, and the disposition of Hedberg and Digerolamo's cases was postponed until Monday.

Robert R. Spiess, 26, of 81 Northern Parkway, Plainview, escaped serious injury on Tuesday at 8:44 a.m. when the 1965 Chevrolet Corvette he was driving spun off the Montauk Highway on Napeague Beach when the driver swerved to avoid a deer.

Police said the car had been going at a high rate of speed in an easterly direction when the deer cut across its path. The car went off the road to the south, hit several signs, sideswiped a telephone pole, flipped and rolled over several times, ending up on its roof 460 feet from the place it left the road.

**Total Loss**

Mr. Spiess was taken to the East Hampton Medical Group for treatment of face lacerations and bruises. His car was a total loss.

Last Wednesday, at 7:45 p.m., a 1965 Chevrolet suburban driven by Bruce R. Caine, 18, of 52 Old Stone Highway, Springs, rolled off Two Holes of Water Road near Swamp Road and struck a tree.

The driver was taken to the East Hampton Medical Group for treatment of facial cuts.

Christmas Greetings

John Ecker

668-3030 South Euclid Ave., Montauk 324-1639

Greetings of the Season

Mr. and Mrs. Bob Roberts

The Irving Garage

Southampton, L. I.

Location #6

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# THE VILLAGES

## Bridgehampton

The 1967 Cancer Crusade will be held here during April. The local chairmen are Mrs. Richard G. Hendrickson of Lumber Lane and Mrs. Merrall T. Hildreth of Main Street, Sagaponack.

—

Mrs. Marie Reimann will open a public stenography office in Water Mill, on April 14, in the Carolyn Rose building on Montauk Highway.

—

The Cadette Scouts will hold a food sale in front of the Thayer Hardware Store on Saturday, at 9 a.m.

—

### With The Firemen

The Fire Chiefs' Association of East Hampton, Southampton and Shelter Island Townships met at the Bridgehampton Fire House March 30. Dinner was followed by a business meeting. About 100 firemen attended.

The election of officers of the Department will be held tonight at headquarters. The hours of voting will be from 7 to 10 p.m. There will be a department drill on Monday night, at 7:30 p.m., including a demonstration by the Long Island Lighting Company.

Firemen responded to an alarm on Saturday, at 9:30 a.m., for a brush fire along the railroad tracks, from the old Bridgehampton dump to the Sag Harbor Turnpike. Chief John Skonieczny said it was apparently started by sparks from the engine of the 8 a.m. train, which was having engine trouble.

Bridgehampton firemen also responded to two calls on Monday. One call was at 2 p.m. for a brush and woods fire on the Matthews Estate on Wainscott Stone Road. Chief Skonieczny said the fire was started by someone burning leaves and rubbish. Only four trucks responded.

The other call, at 5:40 p.m. was for a fire in the home of Jessie Johnson on Sag Harbor Turnpike. The fire was largely confined to the kitchen, which was gutted, but firemen said there was smoke damage and scorching from the heat throughout the other three rooms.

Firemen speculated that it had been started by a kerosene stove. All the equipment responded, and it returned at 6:30 p.m.

—

Mr. and Mrs. Gordon Thompson returned from Florida March 30. They spent two and a half months at Riviera Beach, on Singer Island.

—

Miss Diane Gorodnitzki, daughter of Mr. and Mrs. Sascha Gorodnitzki of Sag Main Street, Sagaponack, gave an open party at Bridgehampton Community House Saturday night.

About 80 teen-agers attended, and danced to music provided by the Hustlers, a local rock and roll group.

Miss Gorodnitzki is a graduate of the Walden School in New York. She expects to study photography at the Maryland Institute's College of Art in Baltimore, Md., next fall. She is spending the year between high school and college pursuing her hobby, which is photography.

She has her own dark room at home and goes to New York twice a week, and studies photography at the New School, under Joseph Breitenbach. She also receives some instruction from John Reed of the Lighthouse, in East Hampton.

Miss Gorodnitzki said that she started giving open parties last summer at the Chicken Coop, which is a place in back of her home. She said she arrived at the idea because "churches and schools do not provide activities for the kids."

She said she hoped to open a teen-age discotheque where the teen-agers could get together and dance and drink sodas, and where no one under 21 could get in.

—

Flotilla 18-4 of the Coast Guard Auxiliary, Hampton Bays, will start its fourth Young Boatman's Safety Course on Saturday. The course will be held at the Southampton High School on four successive Saturday mornings, from 9 to 11 a.m.

All boys and girls in this area, age 10 to 14, can register for the course on Friday, from 7:30 to 9 p.m. in room 115 of the School. Those who successfully complete the course will receive a certificate approved by the State of New York, enabling them legally to operate a boat.

—

### Society Meeting

The April meeting of the Bridgehampton Historical Society will be held at the Presbyterian Church Parlors tomorrow, at 8 p.m. Hostesses for the evening will be the Cadette Troop of the Girl Scouts.

A film will be shown on Theodore Roosevelt, and memorabilia of the Roosevelt era will be on display. The research library of the Society has requested that those who wish to donate the books listed two weeks ago bring them to the meeting.

Skretch and honorary members, Mrs. Ernest Dredge and Mrs. Roger Skinner.

—

Stafford Whitaker Interiors, a branch of Hampton Bays Department Store, has rented its premises in the former Volkswagen dealership, from Griffon Sales and Service Corporation, not from Frank Brill, as was reported in last week's Star.

—

Family Forum will hold its monthly meeting at the Bridgehampton Public Library on Wednesday, at 8 p.m. Miss Kathleen Sheehan, children's consultant of the Suffolk Co-operative Library System, will speak on "Books Children Shouldn't Miss." The public has been invited.

—

Four victims of Dutch elm disease have had to be removed from the property of the Presbyterian Church. The trees were over 60 feet tall and probably 90 or 100 years old, according to Carroll Rogers.

They outlined the Church property. Some new planting has been agreed to, he said.

—

Women of the Bridgehampton Presbyterian Church are taking part in the United Clothing Appeal of Church World Service, and are seeking good used clothing, particularly light weight clothing for use in Vietnamese refugee camps, and blankets. The drive will be conducted April 23-29 and the Presbyterian Church here will be a collection center.

## The Springs

Mrs. John F. Davis, Corr.
324-2459

Mrs. Henry Nichols of Flaggy Hole Road visited her mother in New York for two days last week.

—

Boy Scout Troop 298 spent last weekend camping at Norwesca. They were accompanied by their Scoutmaster, Patrick O'Sullivan Jr.

—

Michelle Jewett, daughter of Mr. and Mrs. Lincoln Jewett of Maidstone Park, has completed her schooling at Fleet Business School in Annapolis, Md., and is at home until August, when she will enter an airline stewardess school.

—

There will be square dancing at Ashawagh Hall this Saturday, beginning at 9 p.m. Charles Meyer of East Hampton will be the caller.

—

Miss Alice King of Amagansett was honored at a bridal shower on April 1, given by her bridesmaids in the Springs Chapel recreation hall. Miss King will be married in June.

—

Richard Harris, son of Mr. and Mrs. Elwyn Harris of School Street, spent spring vacation with a classmate in Jacksonville, Fla. Richard is a sophomore at Baker College in Baldwin City, Kan.

—

Mr. and Mrs. Charles F. Brunke and six children of Central Islip, spent last Saturday as the guests of Mr. and Mrs. John Davis and Robert.

—

William Brickerd, son of Mrs. Barbara Loper of Fireplace Road, is home on a 30 day furlough. Bill has been stationed at Hill Air Force Base in Utah.

—

Mr. and Mrs. William H. Baum of Port Washington are spending a month at their cottage on Gerard Drive.

—

Eugene Shaw, USN, is home on leave from California.

—

Rudolph Chapski Sr. of Clearwater Beach was taken to Southampton Hospital by ambulance on March 30. Mr. Chapski is making a satisfactory recovery from surgery.

—

Mr. and Mrs. Thomas Collins Jr. are the parents of a son, Andrew Thomas, born March 27 at Huntington Hospital. He is the Collins' second child.

—

Mr. and Mrs. Paul Kahkonen of the Springs and Roslyn spent their spring holiday on Jamaica in the West Indies.

—

Meredith Gangeme of Highwood, Barnes Landing, gave a pajama party on March 31 in honor of Cindy Dunham.

—

Mrs. Tunis Bennett and daughter Diane, of Louse Point Road, spent last week with Mrs. Bennett's daughter, Mrs. Ralph Neil, and Mr. Neil in Port Washington.

—

Mr. and Mrs. Bedford Osburne of Copeces Lane have just returned from a month's visit with Mrs. Osburne's mother in Esslingen, Neckar, Germany.

## Sag Harbor

Mrs. Ray Harris, Corr.
725-1909

Arthur Cleveland is recuperating at home after returning from Southampton Hospital last Friday.

—

The Rev. C. Harold Dever, former pastor of the Methodist Church, is a patient in Southampton Hospital, where he is recovering from an emergency appendectomy.

—

Eileen McPartlin of Garden Street has returned home after a vacation visit with Margaret Abelman in Ann Arbor, Mich. Miss Abelman is formerly of this Village.

—

Miss Louise Tucker has returned to her duties at Mattituck High School, after spending Easter vacation at her home in Noyac.

—

Mrs. John Novak, with her son, John, and Jack Ruth of Scarsdale, N. Y., visited with Mr. and Mrs. Robert Molyneux of Hampton Street during the weekend.

—

Shirley Ruppel was home on vacation from Adelphi College and entertained a guest, Miss Laura Rocco of East Northport.

—

Mr. and Mrs. Lloyd Fenelon of [illegible] a short visit [illegible] home during [illegible]ted their sister-in-law, Mrs. Elmer J. Fenelon, and family in Amagansett.

—

Mr. and Mrs. Wade French of North Haven spent Easter in Alexandria, Va., visiting their son-in-law and daughter, Mr. and Mrs. Benjamin Achenbach.

—

Mrs. J. Henry Neale of North Haven had as her Easter guests her son, J. H. Neale, and family of Larchmont, N. Y.

—

Mrs. Harold W. Dingee of North Haven entertained the Supper Club on March 27 and served a Chinese dinner to the guests.

—

Cindy MacAvoy, a Pierson High School senior, recently received a nursing scholarship and is planning to enter St. Luke's Hospital for training in September.

—

Among the students who have returned to their colleges following a spring recess are Ursula Wood, St. Lawrence University, Canton, N. Y.; Robert Kehnan, Middlebury College, Middlebury, Vt.; James MacAvoy, RCA Institute, New York; William Stokes, Tom Archibald and Sandra Lattanzio, State University of New York at Stony Brook.

—

The WLNG Live Five played their last basketball game of the season on March 31, at the Pierson gymnasium. They were the victors over the South Fork Police Team, with a score of 65 to 47.

—

The Ladies' Village Improvement Society will hold a dessert-buffet and card party tonight, at 7:30 p.m., at the American Legion Hall. The proceeds will go toward a scholarship to be awarded to a Pierson senior.

—

An "Evening of Negro Drama and Songs," sponsored by the St. David's A.M.E. Zion Church, Eastville Avenue, will be held on Friday at 8:15 p.m.

Mrs. Vivian Jones of Bridgehampton and the Rev. Kenneth Nelson of the Church will be featured on the program. An offering will be taken to benefit the building fund.

—

Anthony Kulczycki has sold his Superette Market, on the corner of Elizabeth and Hampton Streets. Tony inherited the business from his father, John Kulczycki, and has been a part of it for 43 years, since he was 12 years old.

For the past 22 years he has also been a rural mail carrier in this area, assisted by his wife, Rose. The Kulczyckis are planning to build a new home on North Haven.

The new owners of the Superette are Mr. and Mrs. Wolfgang H. Steoerk, who formerly lived in Medford. They have two daughters, Trudie and Suzy, who will help carry on the traditions of the neighborhood store.

—

There will be a meeting of church women from the Methodist, Episcopal, Presbyterian, St. David's A.M.E. Zion and Noyac Community Churches on Tuesday, at 6:15 p.m. in Christ Church Parish Hall.

The meeting will be a follow-up of the meeting held in May, 1966, at the Presbyterian Church in an effort to form a united group of church women, to find ways and means to serve the community.

Mrs. Agnes Youngs of Riverhead,

---

Accabonac Highway, completed a five-week aircraft maintenance course at the Army Aviation School, Fort Rucker, Ala., on March 29.

the area chairman for United Church Women, will be the speaker of the evening. She will explain how the United Church Women, which is a national organization, works in other towns and how it might be useful for Sag Harbor.

The Ladies' Guild of Christ Church will be hostesses and all women have been invited to attend.

—

Airman Second Class John T. Krajewski, son of Mrs. Katherine Krajewski and the late Mr. Krajewski of Sag Harbor Turnpike, is on duty at Nha Trang Air Base in Viet-nam. Airman Krajewski is a communications specialist. He was previously stationed at Lockbourne Air Force Base in Ohio. Airman Krajewski is a graduate of Pierson High School.

## Amagansett

267-3477

Mrs. Harry Deckow entertained at a luncheon and card party at her Devon Road home on Tuesday. Mrs. Andrew Yockers of East Hampton won first prize at cards.

—

John Rush of Atlanta, Ga., who had been spending the weekend in Stony Brook with his cousin, Daniel Rush, came to Amagansett Saturday to visit his uncle and aunt, Mr. and Mrs. Charles W. Rush.

—

Frank Gross Jr. of Sayville spent the weekend here with his grandparents, Mr. and Mrs. Vernon Kelsey.

—

Nicholas Muhall of New York was a guest last weekend of his first cousin, Eugene Loper, and Mrs. Loper.

—

Mrs. George Eichhorn was hostess today at her home on Meeting House Lane to the Alpha Gamma Group of the Amagansett Presbyterian Church.

—

Mrs. Robert Tulp of Brooklyn Heights and her children Luke, Evan, and Matthew, spent spring school vacation at their home here on Gansett Lane, with Mr. Tulp joining them during the weekends.

—

Mr. and Mrs. Joseph Onisko and their children, Richard and Tom, spent the spring vacation at Myrtle Beach, S. C.

—

Work began Tuesday on the construction of two wells for the Amagansett Water Company on property off Cross Highway at Devon. The C. W. Laumann Company of Bethpage is doing the work.

—

A meeting of the Women's Guild of the Amagansett Presbyterian Church will be held at the Parish House at 8 p.m. Monday.

—

Morley H. Schellinger is at home visiting his parents, Mr. and Mrs. Morley L. Schellinger of Abraham's Path, on a two-week leave, after having completed basic training with the Navy at the Great Lakes Naval Station, Ill.

He will go to Whidbey Island, Oak Harbor, Wash., where he will begin training as an aviation mechanic, with emphasis on helicopter repair, on April 15.

—

Films will be shown at the Amagansett Library Saturday morning in a program for children under nine. The showing is scheduled for 10 a.m.

—

A public hearing for final approval of a subdivision of property owned by James Tyson off Further Lane will be held before the Town Planning Board at 8:15 p.m. Wednesday, at Town Hall.

—

A Boy Scouts' organizational meeting will be held at the Amagansett School Tuesday, at 7:45 p.m. Boys who wish to register must be accompanied by a parent. District Boy Scout representative, Basil Bristow, will be the speaker. The purpose of the meeting, besides registering interested boys, will be to discuss plans and answer questions concerning organization.

Also present at the meeting will be members of St. Michael's Boy Scout troop committee: Samuel Merrit, chairman; Blanchard Specht; Alfred Dellgren; Robert Hartzog; Henry Flohr Jr., Scoutmaster; and the Rev. Leonard Torcello.

—

Paul Montgomery of Bluff Road, a Guild Hall trustee, is represented in the juried 100th annual American Watercolor Society exhibition at the National Academy of Design in New York, from April 6 to 23, for the fifth year. He was elected to the Society last year.

—

Miss Lesley Hornby and her fiance, Nigel Davies, of London, England, were guests last weekend at Stony Hill Farm.

—

Mr. and Mrs. George Gibson will open their summer home in Amagansett East this weekend.

—

Mrs. Herbert N. Edwards Sr., who has been ill in the Southampton

of Mr. and Mrs. Hugh King of Devon Road last weekend were Mrs. Herman Zah, Frederick H. Zah of Rochester, Mrs. Anthony Mostriana, Mrs. Joseph Rafter and Mrs. Pat Cipriana of Brooklyn.

—

Mr. and Mrs. E. Vivian Parsons have returned from the West Coast after spending several weeks with Ralph M. Parsons in Los Angeles, Cal. They spent Easter week aboard Mr. Parsons' yacht Argo, on a cruise to Catalina Island and Ensenada, Mexico. They toured Catalina and went inland at Ensenada.

—

Daniel J. Brengel and Hank Horowitz of Bluff Road have recently returned from a three-month stay in Florida and New Orleans. They both plan to make Amagansett their permanent home starting this year.

—

Coast Guard Cadet Second Class Norman C. Edwards Jr., son of Mr. and Mrs. Norman C. Edwards of Atlantic Avenue, recently visited the Air Force Academy at Colorado Springs, Col., as part of the annual exchange weekend program among the Nation's four service academies.

## PLANNING BOARD

Continued From Page 1

cial loss by pointing out that the land had not yet been developed.

### Question

"Why does not this Board have a right to approve modification of this map?" was asked of the Board in many different ways.

"We can't even approve modification of our own maps after they have been approved and filed," Mr. Vetault answered.

"Do you or don't you like this plan if we can use it?" the Montauk representatives asked apparently assuming that the Town Board or Zoning Board of Appeals would grant a variance "because of what we feel our equities are."

Mr. Vetault replied, "I don't think anything said at this meeting would be worth anything to you."

Round and round it went. Finally the Board expressed the hope that the Montauk Improvement Company developers would come in with the new map and follow standard developing procedures and the subject was changed.

Mr. McCarthy then gave a brief progress report on the Montauk Improvement Company's proposed 33-lot development at Culloden Point. The proposal was submitted to the Planning Board last January, at which time there was a question of road access to the property since the access roads through Culloden Shores One and Two which the developers proposed to use are currently in litigation.

Mr. McCarthy reported that the Improvement Company has now taken title to a strip connecting with Flemming Road which would allow access to the property.

George L. Brady, engineer for the developers, was advised that his presentation had to show a tie-in with a public highway.

### Confusion

The Board found itself involved in another go-round of confusion as it reopened a discussion of the "old Grimshaw Map" at Wireless and Cove Hollow Roads, presently owned by Fred Wharten of East Hampton and presumably to be sold in part to Dr. Frank F. Holmberg, also of East Hampton.

Douglas E. Dayton, attorney for Dr. Holmberg, asked in a letter of Feb. 7 whether or not realignment and division of lots in the map constituted a subdivision so far as the Planning Board was concerned, even though no new street were created.

Seven lots are involved in the realignment, it was reported. Since no new map could be filed, a committee was appointed to inspect the property and recommend what drainage and other improvements should be required, if any, resulting from the realignment and division of lots.

At this meeting the Board indicated that it was still puzzled as to why the question had been brought before it. Robert C. Osborne, an East Hampton attorney who represents Mr. Wharten, but who was present at the meeting on other business, shed some light on the problem by reminding the Board that the owner of the property had not questioned coming before the Board.

"A contract conditioned on whether Dr. Holmberg can get a building permit if he buys a lot has nothing to do with Mr. Wharten," he submitted.

"Have you any idea why he has come to this Board on that?" Mr. Lamb asked Mr. Osborne.

"I wouldn't undertake to explain his thinking — no," Mr. Osborne replied.

"On this note of confusion —" Mr. Lamb's comment faded out as the discussion which he thought was ending continued.

### Conclusion

After another 20 minutes of conjecture the Board seemed to take a cue, from Mr. Whelan, that it consider the sale of one lot acceptable without further concern. Mr. Osborne concluded the discussion by asking

East development in Northwest. It recommended to Mr. Brady that a lot on Alewive Brook Road abutting the reserved area be moved to the Hand's Creek Road side of the narrowing tip of the proposed subdivision to create a more clearly defined reserved area at its entrance.

In other business Mr. Brady requested an informal discussion of two layouts, labelled Scheme One and Scheme Two, of Proximar, Incorporated, a 21-2-acre parcel in Montauk overlooking Reed Pond.

Scheme One was basically the same as one submitted to the Board at an earlier meeting, containing 20 lots averaging 42,700 square feet with no reserved area. This was the plan preferred by the owners, Mr. Brady said. Scheme Two indicated 24 lots averaging 30,500 square feet with a two-acre reserved area.

Berton Roueche, a Planning Board member, noted that the positioning of the proposed reserved area in Scheme Two seemed arbitrary. With the road touching its border only in one small area the reserved appeared to be going to serve only those few lot owners whose land would abut it, he complained.

### Village Green

Mr. Vetault agreed that the reserved area looked like a "big lot" with little significance to the rest of the subdivision. He suggested if the area were turned around in such a way that the road could go around it, it would assume the significance it deserved within the subdivision. He likened the idea to the East Hampton Village Green.

The Planning Board passed a resolution to schedule a public hearing for Wednesday, April 12, at 8:15 p.m., to consider application for final approval of a subdivision to be known as "Map for Premises Owned by James Tyson," off Further Lane, East Hampton.

It was reported that a bond would be required to cover the changing of a non-conforming road already in existence should a lot be sold in the future. The road, Mr. Lamb explained, is well-made and would be adequate for access to the existing structures on the property at the present time and that no change will be required until and if lots are sold in the future.

In other business, six months' extension of final approved was granted the developers of the Devon Woods subdivision, to expire July 3, 1967.

The Planning Board also granted six months' tentative approval, to expire Sept. 29, 1967, to Settlers' Landing Section Two subject to the following:

1) Approval of the drainage scheme. 2) Approval of the Suffolk County Health Department. 3) The reserved area between lots 237 and 238 must be marked "Reserved for use of property owners" and appropriate declaration recorded providing that the area remain open in perpetuity. 4) Placing of fire wells at appropriate locations must be shown on final map. 5) Provide radius curve at south intersection of Old House Landing and Three Mile Harbor Drive. 6) Approval of road names on final map.

### Town Houses

The Board also passed a resolution granting 12 months' tentative approval, to expire March 29, 1968, to a proposal known as "Proposed Town Houses, Gabriel S. Avallone, Architect, dated January 25, 1967," to be located in Montauk and owned and developed by Richard C. Glennon and John Christophel. Tentative approval was granted subject to the following:

1) Paving of driveways and parking areas in conformance with paving requirements for subdivision streets in Planning Board Rules and Regulations. 2) Surface drainage facilities meeting approval of the Planning Board and the Town Engineer consisting of adequate leeching basins or a possible alternate method if deemed satisfactory. 3) The leaving of existing screening as shown on the plan and planting of the screening as indicated on plan that does not already exist.

4) Structures are limited to 18 town houses, two efficiencies and two two-bedroom units as shown in the plan. 5) Until all requirements in the resolution are met, no certificate of occupancy will be issued.

"Any comments?" Mr. Lamb asked Mr. Glennon, who was present at the meeting.

"Delighted!" was his only remark.

In less usual business, the Board resolved to refuse the application for tentative approval received from Clarence B. Squires of East Hampton on Fox Hollow Estates located at the Sag Harbor Turnpike and Stephen Hand's Path. The application was refused, members said, for the following reasons:

1) Fails to meet the requirements in Section 305 and 305.1 (regarding preliminary layout and drawing). 2) Fails to meet requirements in Section 305.2, items d, f, g, j and k (regarding Title Block and Notations). 3) Fails to meet requirements in Section 305.3, items (a) one through seven and (b) one through eight (regarding "The Plan").

4) No reserved area of ten per cent shown. 5) Required turn-arounds not shown on deadends. 6) The design is a gridiron pattern which is contrary to good planning. 7) Layout shows 20 foot corridor strips which are generally not allowed by the Planning Board.

8) Layout shows many lots having their only access onto Town highways. 9) The two pre-existing houses and lots for which building permits have been issued should not be included in the proposed subdivision.

It was further resolved that the developers redesign the layout in conformance with the Rules and Regulations of the Planning Board. In its recommendation the Board urged that the developers "not feel confined by preliminary work that they have done on this subdivision without the knowledge of or the permission of this Board."

### Check Returned

Further, it was resolved that the application and check be returned to the applicant with a request that they be resubmitted in accordance with the provisions of the resolution.

The Planning Board received a request from John DiGate for a bond reduction on the Off Cedar Road Development, since approximately one-third of the work has been completed. Mr. Lamb appointed a three-man committee to inspect the area and report to the Board.

In a Board of Review action regarding premises located at right of way off Old Montauk Highway, Montauk, owned by William L. Curry and Jeffrey Foxx, the Planning Board said it will require the clearing, grading and widening of the right of way to a full 15 feet width to 20 feet beyond the near property line, beginning at the intersection, a distance of approximately 300 feet.

The owners will be required to provide a driveway with side slopes no greater than one on two on the Town right of way in accordance with specific directions from the Board.

The Planning Board received a letter from A. Louis Tengzelius of the Springs Brokerage, Inc., of East Hampton requesting public clarification of the definition of a subdivision as given in the Board's Rules and Regulations. Article 1, Section 100 states: "Any division into five (5) or more lots . . . is a subdivision," the letter noted.

### Interpretation

It went on to say, "It is present practice and common interpretation of the rules that if a parcel can be divided into four lots, each of which conforms with zoning requirements with regard to area, road frontage and width at building line, no appearance before the Planning Board is required.

"A public statement specifying with respect to division of a parcel into four lots would save embarrassment, time and money for individuals such as brokers, lawyers and engineers."

Mr. Brady said a similar letter he had written to the Board was coincidental.

"I think it is perfectly clear," Mr. Vetault said of the definition. "If you clarify you'll have to clarify the clarification." He went on to suggest that if the wording were to be changed at all, "let's say any division is a subdivision and has to come before this Board. It's more work but in the long run it would save things from becoming a terrible mishmash. People divide piece by piece."

Mr. Lamb appointed a committee to look into "the feasibility and practicability of redefining what a subdivision is."

Finally, the Planning Board approved a check list to be used as a guide in granting approval to apartment layouts. The list includes: 1) Placement of buildings 2) Size and capacity of buildings 3) Parking areas 4) Driveways 5) Coverage 6) Screening 7) Drainage 8) Paving of parking areas and driveways to conform to Planning Board road construction requirements in Section 707.

When all requirements of the resolution of tentative approval are met, a resolution of final approval will be granted, it was reported, and no certificate of occupancy is to be issued until the resolution of final approval is granted. By withholding a certificate of occupancy there should be no necessity for a performance bond, it was noted.

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THE NEW YORK OBSERVER

# THE EAST HAMPTON STAR
SHINES FOR ALL

VOL. CXX NO. 4 THURSDAY, AUGUST 23, 2007

WAINSCOTT

## A Heater Is Blamed For Blaze

### Three fire departments respond; cars diverted

By Taylor K. Vecsey

Inadequate maintenance of a pool heater most likely caused a fire Tuesday at 75 Wainscott-Northwest Road in Wainscott, just a short distance from the traffic light on Montauk Highway. It led to a backup of cars for several hours as traffic was diverted away from the plume of black smoke. No one was injured in the fire, which members of the Bridgehampton Fire Department responded to at 12:31 p.m.

Just hours after the blaze charred a quarter of the house and left smoke and water damage throughout the rest of it, Thomas Baker, an East Hampton Town fire marshal, said his office was "comfortable" with concluding that the heater had malfunctioned, probably because it wasn't properly maintained. He also said the heater was "very close" to the house, but wouldn't say if it was too close.

Roman Adler, an owner of the house, and his wife were about to leave it, Mr. Baker said, when a passer-by alerted them to smoke that could be seen from the road. The house sits on the southwest corner of the intersection.

"The fire traveled up the outside of

Continued on A15

On a rainy Tuesday afternoon, kids found some fun at East Hampton Bowl. *Morgan McGivern*

## District Plans Not to Okay Trips Abroad

### Citing liability, school board says go on your own

By Kate Maier

At the advice of the district's legal counsel, Robert Sapir, the East Hampton School Board on Tuesday announced a decision not to sanction international travel, as it had in the past, due to possible liability.

"I'd like to clarify that at no point did the board ever say that we are going to cancel international trips," said Mike Tracey, the school board president, at a meeting Tuesday night. "Those trips will still go ahead as long as students and teachers want to take them."

But for Priscilla Campbell, a social studies teacher at the high school who has organized and chaperoned the trips for 15 years — most recently to places including France, Italy, Ecuador, and Japan — the board's decision not to back the program represented something far more ominous.

"Legal advice can only go so far in terms of understanding a school district," she said in her office after the meeting adjourned. Lawyers "give advice, and it's up to the administration and the board to interpret that advice . . . they say yea or nay."

Without the blanket coverage of the school's liability insurance, Ms. Campbell feared she would be putting her own house and family on the line by continuing to chaperone the trips — something she could not afford to do. She said the school is already handling more than one multimillion-dollar lawsuit pertaining to incidents on school grounds that the insurance policy would potentially have to cover, and that so far not one lawsuit has resulted from the international travel program.

"Students are more at risk strolling down the street in Manhattan than they are on the street in Beijing, Rome, or Paris," she stated at the meeting in a letter she and Arthur Goldman, the chairman of the social studies department, had signed. Mr. Goldman is also an international travel program chaperone.

When the district sponsors a trip, "the school rules are followed and they are held accountable," she said of the students, recalling a time three years ago when a group was caught drinking on a visit to Italy. They were sent home immediately, she said, with one of four chaperones, and had to answer to the rules of the school when they returned.

If she were to take them on a self-organized "vacation" trip, she said, there would be no such accountability if stu-

Continued on A11

## Spridgehampton High?

### *Springs students may have long ride in 2008*

By Kate Maier

Administrators, staff, and parents from the Springs and Bridgehampton School Districts met on Aug. 15 to discuss the possibility of sending the ninth-grade class from Springs to the Bridgehampton School in the fall of 2008.

After its present tuition contracts expire at the end of this school year, East Hampton plans to adopt a new formula that would effectively raise tuition for over 300 high school students from Springs who attend East Hampton High School by about $10,000 each. The Springs School Board has been looking into other options since last year, even forming an "alternative high school" committee.

Dianne Youngblood, the superintendent at Bridgehampton, whose kindergarten through 12th-grade school had only about 150 students last year, said her board had not yet agreed on a tuition figure for Springs students, but that she was confident her district would be able to offer Springs a significantly lower rate than East Hampton's.

"I just left feeling such a good energy in the room," Dr. Youngblood said of last week's meeting. "People were speaking openly, listening carefully, and there was a nice exchange of ideas, and also an exchange of concerns. I just left feeling very optimistic."

At the meeting, representatives of the Bridgehampton School, including the athletic director, principal, guidance counselor, history chairman, and several school board members, attempted to sell their school to the alternative high school committee, touting Bridgehampton's small class size and intimate atmosphere again and again.

"We basically have an individualized education plan for every student in the school," said Jack Pryor, Bridgehampton's principal, referring to an educational road map usually reserved for students with special needs.

This was music to the ears of Springs administrators, who have been working fervently over the past year to set up individualized education plans for the roughly 600 Springs students as well.

Even so, there were still some concerns, paramount among them that Bridgehampton's very selling point would be lost with an influx of 70 ninth graders from Springs.

Space needs are also a potential concern. According to Mr. Pryor, who led a tour of the Bridgehampton School's second floor on Tuesday, several of the 12 classrooms there, which have traditionally been designated for about 70 students in grades 7 though 12, were cut in half because class sizes have been so low.

A computer lab, art room, and library are situated in some of the larger classrooms on the second floor. "That wall would have to come down," Mr. Pryor

Continued on A11

MONTAUK

## Pinned Under Toyota

### Car plows into women, one pregnant, at picnic table

By Janis Hewitt and Taylor K. Vecsey

The quiet of a summer morning was shattered on Monday when a car plowed into a picnic area behind Herb's Montauk Market on Montauk Highway, injuring two female employees, one of whom was pregnant, who were enjoying their first break of what turned out to be a very long day.

Gloria Suquisupa, who is 35 and four months pregnant, was pinned under the 2003 Toyota, which jumped the curb and slammed into an aluminum and wood picnic table, for about 20 minutes. Hilva Cabrera, 42, had visible tire marks on one leg, according to Brian Coen, a Montauk contractor, who, along with John Drobecker, an emergency medical technician with the Montauk Fire Department, was one of the first people on the scene.

A large crowd gathered while waiting for the Montauk Fire Department to arrive, some wondering aloud why they couldn't just lift the car off Ms. Suquisupa.

Mr. Coen saw the accident unfold as he walked out the back door of the market a little after 9 a.m. He said he watched as John J. Geraghty, 84, of Bronxville, N.Y., pulled his car into the parking lot, behind Johnny's Tackle Shop, and swerved south toward a parking space. "But the car didn't stop. It kept going and mounted the grass. The women were screaming; they saw it heading right at them," Mr. Coen said.

East Hampton Town Police Chief Todd Sarris said that Mr. Geraghty was attempting to park when his foot slipped off the brake and onto the gas pedal, causing the car to jump the curb. Anne Geraghty, 83, was the only passenger in the Toyota, which hit Ms. Cabrera first, knocking her over, then hit the picnic table, knocking Ms. Suquisupa to the ground.

As Mr. Geraghty realized the car was jumping the curb, he continued to try to put his foot on the brake, Chief Sarris said, but continued to hit the gas. When the first emergency volunteers arrived, "the tires were smoking on the asphalt," the chief said. The Toyota was resting on top of the table with Ms. Suquisupa underneath.

"A few good things happened for her," Chief Sarris said. She fell into "a sunken area" or an indentation in the ground after the car hit the picnic table.

Continued on A17

★ INSIDE ★

**If I Could Turn Back Time**
A night to recall the glory days of Club Swamp
**A3**

**Wet Paint Did Not Deter**
Chevy Suburban makes sudden stop at church
**A10**

**Artists Prevailed On Saturday**
Annual summer clash left writers scribbling
**D1**

Index

*Arts*.....C1
*Business*.....B12
*Calendar*.....A18, C13
*Classifieds*.....D6
*Letters*.....B3
*Galleries*.....C6
*On the Water*.....D17
*Police*.....A15
*Schools*.....A11
*Sports*.....D1

## Sag Harbor Shaken by Girl's Death

### Pierson's High's 2005 salutatorian killed in car crash on North Haven

By Timothy Small

Cassidy Taryn Hagerman came in to work at Blue and Cream in East Hampton on Friday, her day off, to help unload a shipment of new inventory. "She wasn't just the manager of my store," Jeff Goldstein, the owner of Blue and Cream, said on Tuesday. "She ran my company, and she was able to get girls her own age to work harder. She could take her surroundings, question them, and make them better."

Later that night, just before 11:30 p.m., the 19-year-old girl from Sag Harbor was killed in a single-car accident when the 1998 BMW she was driving north on Route 114 in North Haven, about a quarter of a mile south of Sunset Avenue, struck two trees on the east side of the road.

Ms. Hagerman, who lived on Laurel Lane, was driving alone, according to Southampton Town police, who believe her cousin was following her in a separate car. The teen was pronounced dead on the scene by the Suffolk County Medical Examiner's Office, police said. The cause of the accident is still being investigated.

"She was a wonderful, lovely, bright, and well-loved child, and she's going to be hideously missed," Christie Hagerman, her mother, said of her only child on Tuesday. "She was very sensitive, very dedicated, very focused, just a joy, a bright shining sweet child."

Ms. Hagerman was Pierson High School's salutatorian in 2005, and was about to begin her junior year at New York University, where she was studying a diverse range of subjects, including psychology, metropolitan studies, social and cultural analysis, and French literature in translation. She was planning to study abroad in Prague during the spring semester.

Throughout the summer, Ms. Hagerman had worked as a manager at Blue and Cream, coming in at 9 a.m. every morning and staying until 10 p.m. if she had too, her boss said. "She loved working there," said her mother. "She liked the fact that she was appreciated, and she liked the responsibility and challenge. She was always moving and shaking."

"One day I said to her, in passing, 'Let's create a spreadsheet tracking all our expenses and shipping orders,' just in passing," Mr. Goldstein said. "When I came in on Saturday, every order, every shipment, every payment was logged on the computer. She was not just a man-

Continued on A15

Friends of Cassidy Hagerman have left pictures, poems, and flowers at the spot on Route 114 on North Haven where she died in a car accident last Thursday. *Timothy Small*

ASSIGNED RISK

## Our Hot Potato Policies

### Insurance companies jilt South Fork homeowners

By Jennifer Landes

For 20 years, Jerry Kremer has been paying premiums to the Travelers insurance company to cover his car, New York City apartment, professional liability, umbrella policy, and a house in Sagaponack, all without a claim, even after two minor hurricanes. This spring, without warning, the company dropped the house, citing increased hurricane risk.

The former state assemblyman, who said his house at Old Farm Road is about 3.9 miles from the ocean, now finds himself branded an "assigned risk," with few coverage options available and only at double the previous cost.

Although many of the announcements were made over a year ago, the intention of insurance companies to drop large numbers of homeowners on the East End because of a perceived hurricane risk has come home to roost. Notices that policies will not be renewed have been appearing in post boxes all over the South Fork.

The issue has attracted the attention of both local and national politicians. State Assemblyman Fred W. Thiele Jr. and State Senator Kenneth P. LaValle are planning a hearing in Riverhead in September. United States Senator Hillary Clinton sent a letter to Allstate's chief executive officer last week asking the company to reconsider its policy of not writing new homeowners coverage and not renewing a large portion of its existing coverage in New York City, Long Island, and Westchester County.

"It is my understanding that your decision was based on a 'hurricane risk management strategy' that your company implemented last year," she wrote. "However, it is still not clear how the perceived risk justified your sudden decision to deny coverage to your customers in New York."

George Yates, president of the Dayton Osborne insurance brokerage in East Hampton, estimates that Allstate has dropped 30,000 policies downstate so far. Allstate would not confirm that

Continued on A14

## We're Going To Pre-K!

By Kate Maier

The East Hampton School Board was about to pass a superintendent's recommendation revoking "policy changes regarding age of entry" without public discussion on Tuesday night when Stephen Talmage, a board member, asked the district superintendent, Raymond D. Gualtieri, to explain what it meant.

"About two years ago, based on a yearlong curriculum study," it was recommended to change the enrollment cutoff date from Dec. 1 to Sept. 1 for kindergarten and prekindergarten entrance, he quickly explained.

After a flurry of discontent among parents who only recently learned that their children would be held back according to the policy, and some question regarding its legality, the board decided to reverse its decision. According to New York Board of Regents policy and the state ed-

Continued on A11

# Attachment B ENVIRONMENTAL INVESTIGATION REPORT – SOUTH FORK WIND EXPORT CABLE

Proactive by Design

# ENVIRONMENTAL INVESTIGATION REPORT
# South Fork Wind Export Cable

## Deepwater Wind South Fork, LLC
## East Hampton, New York

Revised April 2021
File No. 41.0162804.02

**PREPARED FOR:**
Deepwater Wind South Fork, LLC

**GZA GeoEnvironmental of New York**
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Revised April 1, 2021
File No. 41.016804.02

Mr. Vincent Montemurro, P.E.
Burns and McDonnell
Project Manager
108 Leigus Road
Wallingford, CT 06492

Re: Environmental Investigation Report
South Fork Wind Export Cable
East Hampton, New York

Dear Mr. Montemurro:

GZA GeoEnvironmental of New York (GZA) is pleased to provide this Environmental Investigation Report for the South Fork Wind Export Cable Project, located in East Hampton, New York. This work was conducted on behalf of Eversource Energy in accordance with our executed proposal dated December 3, 2020 and in accordance with the *Initial Hazardous Waste and Petroleum Work Plan – Environmental Sampling Scope of Work, Version 1 South Fork Export Cable* (HWPWP), dated November 16, 2020 and prepared by Stantec Consulting Services, Inc.

We trust that this information fulfills your present needs. If you have questions, please call Rick Carlone at (401) 639-0985 or Edward Summerly at (401) 374-2314, or email at richard.carlone@gza.com or edward.summerly@gza.com.

Very truly yours,

GZA GEOENVIRONMENTAL OF NEW YORK.

Richard A. Carlone, P.E.
Senior Project Manager

Stephen M. Kline, P.E.
Project Reviewer

Edward A. Summerly, P.G.
District Office Manager / Principal

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**1.0 INTRODUCTION ..... 1**

**2.0 SOIL BORING AND MONITORING WELL INSTALLATION ..... 1**

2.1 SUBSURFACE OBSERVATIONS ..... 1

2.2 FIELD SCREENING AND DECONTAMINATION ..... 2

2.3 SOIL SAMPLING ..... 2

2.4 WELL INSTALLATION ..... 4

**3.0 MONITORING WELL DEVELOPMENT AND SAMPLING ..... 4**

3.1 GROUNDWATER SAMPLING ..... 5

3.2 INVESTIGATION DERIVED WASTE ..... 6

**4.0 SOIL AND GROUNDWATER LABORATORY RESULTS ..... 6**

4.1 LIRR RIGHT OF WAY ..... 6

4.2 TOWN ROADS ..... 7

4.3 PROPOSED SUBSTATION ..... 8

**TABLES**

TABLE 1-LIRR VOC SOIL RESULTS

TABLE 2-LIRR COMPOSITE SOIL SAMPLE RESULTS

TABLE 3-LIRR PFAS SOIL RESULTS

TABLE 4-LIRR SOIL QA/QC SAMPLE RESULTS

TABLE 5-LIRR GROUNDWATER RESULTS

TABLE 6-TOWN ROAD VOC SOIL RESULTS

TABLE 7-TOWN ROAD COMPOSITE SOIL SAMPLE RESULTS

TABLE 8-TOWN ROAD PFAS SOIL RESULTS

TABLE 9-TOWN ROAD SOIL QA/QC SAMPLE RESULTS

TABLE 10-TOWN ROAD GROUNDWATER RESULTS

TABLE 11-SUBSTATION VOC SOIL RESULTS

TABLE 12-SUBSTATION COMPOSITE SOIL SAMPLE RESULTS

TABLE 13-SUBSTATION SOIL QA/QC SAMPLE RESULTS

TABLE 14-SUBSTATION GROUNDWATER RESULTS

**FIGURES**

FIGURE 1: EXPLORATION LOCATION PLAN (PART 1 OF 2)

FIGURE 2: EXPLORATION LOCATION PLAN (PART 2 OF 2)

**APPENDICES**

APPENDIX A: LIMITATIONS

APPENDIX B: GZA PFAS SAMPLING SOP

APPENDIX C: BORING/WELL LOGS

APPENDIX D: GROUNDWATER SCREENING PARAMETERS AND LOW FLOW LOGS

APPENDIX E: LABORATORY CERTIFICATES

## 1.0 INTRODUCTION

GZA GeoEnvironmental of New York (GZA) has prepared this *Environmental Investigation Report* on behalf of our Client, Eversource Energy, in accordance with our executed proposal dated December 3, 2020 for the South Fork Wind Export Cable Project, located in East Hampton, New York. This report, our findings, and opinions are subject to the limitations provided in **Appendix A**.

The project involves the construction of a new electrical substation and approximately 4 miles of underground transmission line in East Hampton, New York. The substation and transmission line will service the proposed South Fork Wind Farm, which is a 130 MW offshore wind farm located about 25 miles southeast of Montauk, New York. The underground transmission line will be located along Beach Lane, North Main Street, Sayre's Path, Wainscott Stone Road, and Wainscott Northwest Road (referred to collectively as Town Roads) before running along the Long Island Railroad (LIRR) right-of-way to a proposed electrical substation. The sampling and analytical testing described in this report was conducted in accordance with the November 16, 2020 *Initial Hazardous Waste and Petroleum Work Plan – Environmental Sampling Scope of Work, Version 1 South Fork Export Cable* (Work Plan) prepared by Stantec Consulting Services, Inc. (Stantec); modifications to the Work Plan are described in the following sections. Additional investigations may be required as the design is advanced.

## 2.0 SOIL BORING AND MONITORING WELL INSTALLATION

In December 2020 and January 2021, GZA observed and documented the completion of 70 borings (SB-1A through SB-12B and SB-14A through SB-35C) by Aquifer Drilling and Testing (ADT) of Mineola, New York either using a Geoprobe® rig equipped with single use five-foot Lexan® liners, via direct push techniques, or using a 4-inch diameter hand auger . Borings were advanced to depths of between 5 and 50 feet below ground surface (bgs). A GZA field engineer was present during the exploration activities to coordinate and document the program, classify soils, prepare boring logs, field-screen soil samples and oversee drilling equipment decontamination in between boreholes. The boring locations are shown on the attached Exploration Location Plans (see **Figure 1** for the Town Roads locations, and **Figure 2** for the LIRR and Substation locations). Borings were conducted as proposed in the Work Plan with the following exceptions:

- Locations SB-13A and SB-13B, proposed within Montauk Highway, which is a State right-of-way were excluded; and
- SB-34C and SB-35C were relocated from within the existing National Grid substation at 3 Cove Hollow Road to the northern portion of the proposed substation, as shown on **Figure 2.**

Where boring/well locations differed significantly from the proposed locations, the locations were surveyed with a GPS unit and are shown on Figures 1 and 2 with all other boring/well locations.

### 2.1 SUBSURFACE OBSERVATIONS

Soil samples recovered along the Town Roads (SB-1A through SB-18B) were observed to generally consist of 5 to 10 inches of asphalt underlain by either native fine to medium sand or by a sandy fill underlain by native fine to medium sand. The fill material, where present, was observed to depths ranging between approximately 2.5 to 5 feet bgs.

Soil samples recovered along the LIRR and within the proposed substation footprint (SB-19B through SB-35C) were observed to generally consist of 2 to 6 inches of topsoil underlain by native fine to medium sand. At boring location SB-

19A, approximately 1 foot of railroad ballast (3-inch stone) was observed. The railroad ballast was underlain by approximately 6 inches of fill and native fine to medium sand.

Silt was encountered in substation borings in the following substation borings, at the following depths:

- SB-32B (7 to 12 feet bgs);
- SB-33A (0.5 to 9 feet bgs);
- SB-33B (4 to 7 feet bgs);
- SB-35B (4 to 5 feet bgs); and
- SB-35C (6 to 10 feet bgs).

## 2.2 FIELD SCREENING AND DECONTAMINATION

Soil samples were field screened for total volatile organic compounds (TVOC) using an Ion Science Tiger Photoionization Detector (PID) equipped with a 10.6 eV lamp and calibrated to 100 parts per million (ppm) isobutylene in air standard; the TVOC readings were low (i.e., below 1 ppm).

Soil samples were collected, and equipment decontaminated in accordance with the Work Plan, NYSDEC's Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances Guidance dated January 2021 and GZA's per- and polyfluoroalkyl substance (PFAS) sampling *Standard Operating Procedure* (SOP), provided as **Appendix B**. GZA sampling personnel also followed an extensive list of pre-sampling protocols necessary to avoid false positive PFAS results, as described in the SOP, because many common products still in use contain PFAS compounds, which can contaminate samples if appropriate precautions are not taken.

Non-dedicated equipment (hand auger, drill-head, stainless-steel bowls) was decontaminated between boreholes with a potable water/Alconox detergent mix and rinsed with PFAS free water provided by the Eurofins Laboratory. Decontamination water was containerized in steel drums stored at the National Grid Substation for offsite disposal.

## 2.3 SOIL SAMPLING

Soil samples were collected at the depths specified in the Work Plan, as shown on the analytical tables discussed below. Soil samples for volatile organic compound (VOC) and PFAS analyses were collected as grab samples and the remaining parameters were collected as composite samples. Grab sample depths were selected based on observed impacts and PID field screening results; where no impacts or elevated PID screening results were observed, VOC and PFAS grab samples were selected to target the approximate center of the sampling intervals listed in the Work Plan. Samples were composite by mixing in a stainless-steel bowl. Rather than collecting five individual aliquots for composite samples, as described in the Work Plan, the entire recovered soil cores (beyond what was required for field screening and grab sample collection) were used to develop the composite samples. As the soils observed in individual borings were generally homogeneous, and no elevated PID screening results or visual impacts were observed, we do not believe this is a deviation from the intent of the Work Plan. Topsoil, where present, was excluded from composite samples.

Where fill was encountered in Town Road borings, it was similar to underlying native material except for a higher silt content, contained no debris and did not have elevated PID readings/visual impacts. As such, this material was composited with the underlying native material, where present. Again, we believe this is consistent with the program objectives established in the Work Plan.

The top one foot of boring SB-19A consisted of railroad ballast (3-inch stone) and was not included with the soil samples at this location. The underlying one foot of dark brown sand fill in this boring did not exhibit any impacts/elevated PID

readings and was similar to the underlying sand, except for a higher silt content; as such it was composited with the underlying native material for composite sampling purposes.

Samples were collected in clean containers, preserved as appropriate, packed in ice and transported under chain-of-custody protocol to the Eurofins Laboratory of North Kingstown, Rhode Island for the following analysis, in accordance with the Work Plan:

Grab Samples

- VOCs via EPA Method 8260; and
- PFAS via EPA Method 537M (select samples only).

Composite Samples

- Semi-volatile organic compounds (SVOCs) via EPA Method 8270;
- Extractable Petroleum Hydrocarbons (EPH) via New Jersey Department of Environmental Protection (NJDEP) Method 3546 (note that some samples were also tested for EPH via Massachusetts Department of Environment Protection Methods);
- Pesticides via EPA Method 8081;
- Polychlorinated Biphenyls (PCBs) via EPA Method 8082A;
- Target analyte list (TAL) Metals via EPA Methods 6010C/7471B;
- Total Cyanide via EPA Method 9012B;
- Hexavalent chromium via EPA Method 7196 with trivalent chromium calculation;
- 1,4-dioxane via EPA Method 8270 selective ion monitoring (SIM, select samples from the LIRR right-of-way and proposed substation only);
- Full toxicity characteristic leaching procedure (TCLP);
- RCRA hazardous characteristics (reactive cyanide/sulfide, corrosivity, free liquids, oxidation reduction potential and ignitibility);
- Herbicides via USEPA Method 8151A (select samples from the LIRR right-of-way and proposed substation only); and
- DEET, Dichlorvos, Didealkylatrazine, Imidachloprid, Aldicarb, Dacthal, and Simazine monitoring (select samples from the LIRR right-of-way and proposed substation only), analyzed by Environmental Micro Analysis, Inc. of Woodland, California. These results were not available at time of this report and will be provided in a report addendum.

Quality Assurance/Quality Control (QA/QC) samples included the following, in accordance with the Work Plan:

- One equipment blank was collected from non-dedicated equipment for the full range of compounds listed above, and on each day that PFAS soil samples were collected an equipment blank was collected for PFAS testing via EPA method 537M;
- Trip blanks were tested for VOCs via EPA Method 8260;
- PFAS field blanks were collected, consisting of laboratory provided PFAS water poured into a laboratory provided container, was tested for PFAS via EPA Method 537M; and
- Blind duplicate samples were collected at a frequency of 1 blind duplicate per 20 samples.

Sample results are discussed in **Section 4.0**. Analysis was conducted in accordance with the Work Plan, except for the following minor deviations:

- 1,4 dioxane results were run outside of hold time for samples soil samples COMP-21, COMP-26 and COMP-28;
- Soil samples COMP-32, COMP-34 and COMP-35 were also tested for herbicides and 1,4 dioxane (this analysis was not included in the Work Plan); and
- The blind duplicate of sample SB-26A-1 was tested for TCLP VOC (sample SB-26A-1 was not tested for TCLP VOCs).

### 2.4 WELL INSTALLATION

Nineteen soil boring locations (MW-1B, MW-2A, MW-3A, MW-4A, MW-4B, MW-5B, MW-6A, MW-6B, MW-7A, MW-8A, MW-8B, MW-10A, MW-12A, MW-15A, MW-18B, MW-21A, MW-26A, MW-28A, and MW-32A) were completed as groundwater monitoring wells consisting of a 0.10-inch factory slotted nominal 2-inch inside diameter, flush joint, threaded Schedule 40 PVC well screen with solid PVC riser. The well screens were placed such that they span the top of the observed groundwater table. A sand filter pack was installed in the annular space around the screened portion of the well, and a two-foot bentonite seal was installed a minimum of 1-foot above the top of screen. Native soil and/or additional filter sand was used to backfill from the top of the bentonite seal to the ground surface. Excess drill spoils at the LIRR right-of-way and proposed substation were spread in the vicinity of the borings. Each well was finished with a steel road box cemented in place flush with grade, except at the substation where each well was finished with a steel standpipe cemented in place. Excess drill spoils from the Town Roads borings were drummed for off-site disposal and stored at the National Grid substation at 3 Cove Hollow Road. Copies of the boring logs with well installation details are provided in **Appendix C**.

## 3.0 MONITORING WELL DEVELOPMENT AND SAMPLING

Following installation, the 19 newly installed wells were developed in general accordance with the Work Plan. Wells were generally developed a minimum of 48 hours following installation and a minimum of three well volumes were removed from each well as part of well development. The volume removed from each well as part of development is included in **Appendix D**. As wells were installed by direct push, no fluids were used during drilling. Wells were developed using a polyethylene bailer, except for well MW-32A which was developed with a decontaminated stainless-steel submersible pump. All samples from MW-32A were collected following development. Well development water was containerized in stainless-steel drums and stored at the National Grid substation for offsite disposal. Where non-dedicated equipment was utilized, equipment was decontaminated between wells with a potable water/Alconox detergent and rinsed with PFAS free water provided by Eurofins Laboratory.

Between December 30, 2020 and January 15, 2021, groundwater samples were collected from the 19 newly installed wells and nine existing wells installed as part of the previous geotechnical study (HDD-02, BH-01, BH-02, BH-03, BH-04, BH-05, SUB-05, SUB-08 and SUB-10) located along the underground transmission line route.

Prior to sampling, each well was gauged for light and dense non-aqueous phase liquids (LNAPL and DNAPL) with a membrane interface probe; no LNAPL or DNAPL was detected in any of the wells. No sheens or odors were observed during well development or sampling. Groundwater sampling was conducted in general accordance with EPA low flow procedures, GZA's PFAS sampling SOP and the Work Plan. During low flow sampling, a variable speed peristaltic pump was utilized to control the rate of purging and limit the drawdown caused by this operation, except for wells MW-32A, SUB-05, SUB-08 and SUB-10. These four wells were sampled using a stainless-steel submersible pump (Grundfos Rediflo) with a flow controller due to the significant depth to water. Note that since the Grundfos Rediflo is not PFAS free, PFAS samples from wells MW-32A, SUB-05, SUB-08 and SUB-10 were collected with a polyethylene bailer prior to placing the Grundfos pump into the well, i.e., PFAS samples from these wells were collected prior to well purging. Dedicated 1/4-inch

O.D. polyethylene tubing installed in each of the existing wells was utilized as the intake and discharge tubing for the pumps. Pharmaceutical grade tubing was utilized as the pump head tubing.

As part of this sampling methodology, well stabilization was evaluated through the measurement of pH, specific conductance, dissolved oxygen, turbidity, oxidation reduction potential (ORP) and temperature recorded during the purging process. GZA sampling personnel also followed an extensive list of pre-sampling protocols necessary to avoid false positive PFAS results, as described in the SOP, because many common products still in use contain PFAS compounds which can contaminate samples if appropriate precautions are not taken. Where non-dedicated equipment was utilized, equipment was decontaminated between wells with a potable water/Alconox detergent mix and rinsed with PFAS free water provided by Eurofins Laboratory. Decontamination water was containerized in steel drums and stored at the National Grid substation for offsite disposal.

Results of field screening measured at the time the groundwater samples were collected and groundwater sampling logs are provided in **Appendix D**. All stabilized turbidity readings were below 50 nephelometric turbidity units (NTU) except in wells SUB-05 and SUB-10. As described below, dissolved metals, in addition to total metals were analyzed in these two wells due to the elevated turbidity; dissolved metals samples were filtered by the laboratory.

## 3.1 GROUNDWATER SAMPLING

Samples were collected in clean containers, preserved as appropriate, packed in ice and transported under chain-of-custody protocol to the Eurofins Laboratory of North Kingstown, Rhode Island for the following analysis, in accordance with the Work Plan:

- Purgeable organics, methyl tert-butyl ether (MTBE) and naphthalene via EPA Method 8260;
- SVOCs via EPA Method 8270;
- Pesticides via EPA Method 8081;
- PCBs via EPA Method 8082;
- TAL Metals via EPA Methods 6010/7470;
- Total Cyanide via USEPA Method 9012;
- Hexavalent chromium via USEPA Method 7196 with trivalent chromium calculation;
- 1,4-dioxane via EPA Method 8270 by SIM;
- PFAS via EPA Method 537M;
- Herbicides by USEPA Method 8151A (wells MW-21A, MW-26A, MW-28A, MW-32A, SUB-05, SUB-08 and SUB-10 along the right-of-way and at the proposed substation);
- DEET, Dichlorvos, Didealkylatrazine, Imidachloprid, Aldicarb, Dacthal, and Simazine (wells MW-21A, MW-26A, MW-28A, MW-32A, SUB-05, SUB-08 and SUB-10 along the right-of-way and at the proposed substation), analyzed by Environmental Micro Analysis, Inc. of Woodland, California. These results were not available at time of this report and will be provided in a report addendum.

QA/QC samples included the following, in accordance with the Work Plan:

- Duplicate samples were tested at an approximate frequency of one duplicate per 20 samples;
- PFAS equipment blanks from the polyethylene bailer (which were not dedicated) used to sample only PFAS in wells SUB-05, SUB-08 and SUB-10. A dedicated bailer was used to sample well MW-32A;
- An equipment blank was collected from the Grundfos Rediflo pump used to sample wells MW-32A, SUB-05, SUB-08 and SUB-10 and tested for VOCs, metals, SVOCs and herbicides. The sample volume was not sufficient to analyze for the remaining analysis listed above;

- Trip blanks were tested for VOCs via EPA Method 8260;
- PFAS field blanks, consisting of laboratory provided PFAS free water poured into a laboratory provided container, and tested for PFAS.

Note that beyond the polyethylene bailer and Grundfos Rediflo pump used to sample select wells as described above, no other non-dedicated equipment was used for groundwater sampling, as such no other equipment blanks were collected. Sample results are discussed in **Section 4.0**.

### 3.2 INVESTIGATION DERIVED WASTE

As stated above, excess soil cuttings from the Town Roads, well sampling purge/well development water and decontamination water was containerized for subsequent offsite disposal. Three water drums and one soil drum were generated and will be disposed of offsite by Brookside Environmental of Copiague, New York as non-hazardous waste.

## 4.0 SOIL AND GROUNDWATER LABORATORY RESULTS

Soil and groundwater laboratory results are discussed below by project exploration area; laboratory certificates of analysis are provided in **Appendix E**. Laboratory results have been compared to the following regulatory criteria:

Soil

- Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives (SCOs) from New York State Department of Environmental Conservation (NYSDEC) Part 375-1.8(g)(2)(ii);
- Residential, Restricted-Residential, Commercial, and Industrial Use columns of Table 375-6.8(b);
- NYSDEC, DEC Policy CP-51/Soil Cleanup Objectives, Issued October 2, 2010; and
- NYSDEC's Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances Guidance dated January 2021.

Groundwater

- NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, Re-issued June 1998, January 1999 Errata, April 2000 Addendum, June 2004 Addendum;
- NYSDEC's Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances Guidance dated January 2021;
- EPA's Drinking Water Health Advisory Level for Perfluorooctane Sulfonate (PFOS), Perfluorooctanoic Acid (PFOA), and the sum of the two compounds; and
- New York's 1,4 dioxane 1 ug/L Maximum Contaminant Level (MCL)

### 4.1 LIRR RIGHT OF WAY

Soil results for the proposed LIRR right-of-way are shown in **Tables 1 to 3**, soil equipment blank, field blank and trip blank are shown in **Table 4,** and groundwater results are shown in **Table 5**. The reported analytical results are summarized as follows.

Soil Results

- All VOCs were below the laboratory reporting limits (RLs) except acetone in three samples and methylene chloride in one sample which were all reported at levels well below the SCO;
- All SVOC, EPH, pesticide, PCB and herbicide results were below the laboratory RLs;
- Certain metals/inorganics were detected above the laboratory RLs; all results were below the applicable regulatory criteria except iron, which was detected above the Residential SCO of 2,000 mg/kg in 11 samples;
- TCLP results and RCRA hazardous characteristic results were below EPA's hazardous waste criteria; and
- PFAS were detected in nine samples, generally at estimated concentrations below the laboratory's RLs. All results were below NYSDEC's Unrestricted Use guidance values.

Groundwater Results

- All SVOC, 1,4 dioxane, pesticide, PCB and herbicide results were below the laboratory RL;
- The only VOC detected above the laboratory RL was chloroform which was reported at a concentration well below the NYSDEC Ambient Water Quality Standards (AWQS) in well MW-26A;
- Certain metals/inorganics were detected above the laboratory RLs; all results were below the NYSDEC AWQS except iron and manganese in samples from two wells (MW-21A and MW-26A); and
- PFAS were detected at estimated levels below the laboratory RL and above the method detection limit in each well. All results were below NYSDEC's Ambient Water Quality Criteria Guidance Values and EPA's Drinking Water Health Advisory Level for PFOS, PFOA, and the sum of the two compounds.

QA/QC Sample Results

- All results from equipment blanks, field blanks and trip blanks were below the laboratory RLs; and
- The relative percent difference (RPD) for blind duplicate samples (soil samples SB-21A-1, SB-21A-2, SB-23A, SB-26A-1 SB-29B-1 and COMP-21, and groundwater sample MW-26A) were below general QA/QC guidelines (30% for groundwater and 50% for soil), except for the following, which in our opinion do not impact data quality:
    - Soil-acetone in SB-29B-1 and zinc in COMP-21; and
    - Groundwater-chloroform, iron and aluminum in MW-26A.

## 4.2 TOWN ROADS

Soil results for the proposed Town Road utility corridor are shown in **Tables 6 to 8**, equipment blank, field blank and trip blank sample results are shown in **Table 9,** and groundwater results are shown in **Table 10**. The reported analytical results are summarized as follows.

Soil Results

- All VOC results were below the laboratory RL except:
    - Acetone in eight samples, all at levels well below the Unrestricted SCOs;
    - Toluene in two samples at levels well below the SCO; and
    - m-Xylene and p-Xylene at estimated concentrations below the laboratory's RL in two samples, and at levels well below the SCO;
- EPH was detected at levels between 8.1 and 130 mg/kg in seven samples;
- All SVOCs were below the laboratory RL except pentachlorophenol in one sample, detected at levels well below the SCOs;

- Pesticide and PCB results were below the laboratory RL;
- Certain metals/inorganics were detected above the laboratory RLs; all results were below the applicable regulatory criteria except iron which was detected above the Residential SCO of 2,000 mg/kg in 16 samples;
- TCLP results and RCRA hazardous characteristic results were below EPA's hazardous waste criteria; and
- PFAS were detected in 11 samples, generally at estimated concentrations below the laboratory's RL. All results were below NYSDEC guidance values.

Groundwater Results

- All SVOC, pesticide and PCB results were below the laboratory RL;
- 1,4 dioxane was detected in three wells at estimated concentrations below the laboratory's RL;
- The only VOCs detected above the laboratory RL were acetone (a common laboratory contaminant) in a sample from one well at a concentration below the AWQS, and chloroform in samples from three wells, with one well (BH-03) slightly above the AWQS;
- Certain metals/inorganics were detected above the laboratory RLs; all results were below the AWQS except iron in 15 wells, manganese in three wells and sodium in 10 wells. Sodium results may be influenced by salt-water intrusion; and
- PFAS were detected in samples from 20 wells; levels of PFOA and PFOS exceeded NYSDEC's Ambient Water Quality Criteria Guidance Values in one well each (MW-4A and MW-15A, respectively).

QA/QC Sample Results

- All results from equipment blanks, field blanks and trip blanks were below the laboratory RLs, except PFAS N-ethylperfluorooctanesulfonamidoacetic acid (NEtF) which was detected at an estimated concentration in an equipment blank from a non-dedicated bailer used for well development. This compound was not detected in any of the groundwater samples associated with the equipment blank;
- The RPD for blind duplicate samples (soil samples SB-1A, SB-1B-2, SB-7A-2, SB-10B, SB-15B and COMP-2, and groundwater sample MW-4B) were below general QA/QC guidelines (30% for groundwater and 50% for soil).

## 4.3 PROPOSED SUBSTATION

Soil results for the proposed substation are shown in **Tables 11 and 12**, soil equipment blank, field blank and trip blank sample results are shown in **Table 13,** and the groundwater results are shown in **Table 14**. The reported analytical results are summarized as follows.

Soil Results

- All VOC results were below the laboratory RLs except:
    - Acetone in eight samples, with seven above the Unrestricted SCO of 50 ug/kg. The concentrations above the SCO ranged between 180 ug/kg and 670 ug/kg; the trip blanks associated with these samples had acetone levels between 370 and 1,100 ug/l. Based on discussions with the laboratory, this contamination appears to have been present in other trip blanks from the laboratory. As such, these results are suspect and are likely due to laboratory contamination;
    - 4-Methyl-2-pentanone (MIBK) in two samples at estimated values below the RL and above the method detection limit, but well below the Unrestricted SCO;
    - Benzene in one sample at an estimated value, well below the SCO;
    - 2-Butanone (MEK) in one sample at a concentration well below the SCO;

  - Toluene in nine samples at levels well below the SCO. The trip blanks associated with these samples had low levels of toluene and these results may be due to sample contamination;
  - Xylenes in three samples at estimated values, well below the SCO.
- All EPH results were below the laboratory RL;
- All SVOCs were below the laboratory RL except 1,4 dioxane in two samples, pentachlorophenol in one sample and benzoic acid in one sample, all detected at levels well below the SCOs;
- Herbicide, pesticide and PCB results were below the laboratory RL, except for the pesticide 4,4'-DDE in one soil sample (COMP-35) at a concentration above the Unrestricted SCO of 3.3 mg/kg and below the Residential and Protection of Groundwater SCOs;
- Certain metals/inorganics were detected above the laboratory RLs; all results were below the applicable regulatory criteria except iron, which was detected above the Residential SCO of 2,000 mg/kg in seven samples; and
- TCLP results and RCRA hazardous characteristic results were below EPA's hazardous waste criteria.

<u>Groundwater Results</u>

- All SVOC, herbicide, pesticide and PCB results were below the laboratory RL;
- 1,4 dioxane was detected in two wells at low concentrations below the AWQC;
- All VOC results were below the RL except chloroform, which was detected in samples from three wells, with results above the AWQS in one well (SUB-8);
- Excluding well SUB-10 Certain metals/inorganics were detected above the laboratory RLs; all results were below the AWQS except for iron in three wells. A number of metals were detected above the AWQS in the unfiltered sample for well SUB-10, which had a turbidity of 410 NTU. Dissolved (field filtered) metals were also analyzed in SUB-05 and SUB-10 and all results were below the AWQS except for sodium in both wells. Based on the dissolved metals results the elevated total metals results in SUB-10 were presumably due to elevated particulate levels in the sample; and
- PFAS were detected in four wells at concentrations below NYSDEC's Ambient Water Quality Criteria Guidance Values. The PFAS compound 1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2) was detected at 331 ng/L in one well, SUB-8.

<u>QA/QC Sample Results</u>

- All results from equipment blanks, field blanks and trip blanks were below the RLs, except:
  - PFOS which was detected at an estimated value in an equipment blank from a non-dedicated bailer, and
  - Acetone and toluene were detected in two trip blanks associated with certain soil samples, as discussed above;
- The RPD for blind duplicate samples (soil samples SB-33B and COMP-33) were below general QA/QC guidelines (30% for groundwater and 50% for soil).

# TABLES

**Table 1-Volatile Organic Compound Results**
**South Fork Export Cable-LIRR**
**GZA Job No. 41.0162804.02**

| Lab ID: | | | | | | | | SC60331-16 | SC60331-14 | SC60331-15 | SC60331-12 | SC60331-11 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **PARAMETERS** | **UNITS** | **NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives** | **NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives** | **NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives** | **NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives** | **NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives** | **NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives** | **SB-19A** | **SB-19B-1** | **SB-19B-2** | **SB-20A** | **SB-20B** |
| **Matrix:** | | | | | | | | **Grab Soil** | **Grab Soil** | **Grab Soil** | **Grab Soil** | **Grab Soil** |
| **Sample Depth:** | | **Residential** | **Restricted Residential** | **Commercial** | **Industrial** | **Unrestricted** | **Protection of GW** | **3 ft** | **2 ft** | **4 ft** | **3 ft** | **3 ft** |
| **Sample Date:** | | | | | | | | **12/23/2020** | **12/23/2020** | **12/23/2020** | **12/23/2020** | **12/23/2020** |
| **TCLP Volatile Organic Compounds (SW846 1311/8260C)** | | | | | | | | | | | | |
| Benzene | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | < 10.0 |
| 2-Butanone (MEK) | µg/L | NE | NE | NE | NE | NE | NE | NT | < 20.0 | NT | NT | < 20.0 |
| Carbon tetrachloride | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | < 10.0 |
| Chlorobenzene | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | < 10.0 |
| Chloroform | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | < 10.0 |
| 1,2-Dichloroethane | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | < 10.0 |
| 1,1-Dichloroethene | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | < 10.0 |
| Tetrachloroethene | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | < 10.0 |
| Trichloroethene | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | < 10.0 |
| Vinyl chloride | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | < 10.0 |
| **Volatile Organic Compounds (SW846 8260D)** | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | ug/kg | 100000 | 100000 | 500000 | 1000000 | 680 | 680 | < 6.07 | < 5.22 | < 8.61 | < 5.57 | < 5.15 |
| 1,1,2,2-Tetrachloroethane | ug/kg | 35000 | NE | NE | NE | NE | 600 | < 6.07 | < 5.22 | < 8.61 | < 5.57 | < 5.15 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon) | ug/kg | 100000 | NE | NE | NE | NE | 6000 | < 6.07 | < 5.22 | < 8.61 | < 5.57 | < 5.15 |
| 1,1,2-Trichloroethane | ug/kg | NE | NE | NE | NE | NE | NE | < 6.07 | < 5.22 | < 8.61 | < 5.57 | < 5.15 |
| 1,1-Dichloroethane | ug/kg | 19000 | 26000 | 240000 | 480000 | 270 | 270 | < 6.07 | < 5.22 | < 8.61 | < 5.57 | < 5.15 |
| 1,1-Dichloroethene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 330 | 330 | < 6.07 | < 5.22 | < 8.61 | < 5.57 | < 5.15 |
| 1,2,3-Trichlorobenzene | ug/kg | NE | NE | NE | NE | NE | NE | < 6.07 | < 5.22 | < 8.61 | < 5.57 | < 5.15 |
| 1,2,4-Trichlorobenzene | ug/kg | NE | NE | NE | NE | NE | 3400 | < 6.07 | < 5.22 | < 8.61 | < 5.57 | < 5.15 |
| 1,2,4-Trimethylbenzene | ug/kg | 47000 | 52000 | 190000 | 380000 | 3600 | 3600 | < 6.07 | < 5.22 | < 8.61 | < 5.57 | < 5.15 |
| 1,2-Dibromo-3-Chloropropane | ug/kg | NE | NE | NE | NE | NE | NE | < 12.1 | < 10.4 | < 17.2 | < 11.1 | < 10.3 |
| 1,2-Dichlorobenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 1100 | 1100 | < 6.07 | < 5.22 | < 8.61 | < 5.57 | < 5.15 |
| 1,2-Dichloroethane | ug/kg | 2300 | 3100 | 30000 | 60000 | 20 | 20 | < 6.07 | < 5.22 | < 8.61 | < 5.57 | < 5.15 |
| 1,2-Dichloropropane | ug/kg | NE | NE | NE | NE | NE | NE | < 6.07 | < 5.22 | < 8.61 | < 5.57 | < 5.15 |
| 1,3,5-Trimethylbenzene | ug/kg | 47000 | 52000 | 190000 | 380000 | 8400 | 8400 | < 6.07 | < 5.22 | < 8.61 | < 5.57 | < 5.15 |
| 1,3-Dichlorobenzene | ug/kg | 17000 | 49000 | 280000 | 560000 | 2400 | 2400 | < 6.07 | < 5.22 | < 8.61 | < 5.57 | < 5.15 |
| 1,4-Dichlorobenzene | ug/kg | 9800 | 13000 | 130000 | 250000 | 1800 | 1800 | < 6.07 | < 5.22 | < 8.61 | < 5.57 | < 5.15 |
| 2-Butanone (MEK) | ug/kg | 100000 | 100000 | 500000 | 1000000 | 120 | 120 | < 12.1 | < 10.4 | < 17.2 | < 11.1 | < 10.3 |
| 2-Hexanone | ug/kg | NE | NE | NE | NE | NE | NE | < 12.1 | < 10.4 | < 17.2 | < 11.1 | < 10.3 |
| 4-Isopropyltoluene | ug/kg | NE | NE | NE | NE | NE | 10000 | < 6.07 | < 5.22 | < 8.61 | < 5.57 | < 5.15 |
| 4-Methyl-2-pentanone (MIBK) | ug/kg | NE | NE | NE | NE | NE | 1000 | < 12.1 | < 10.4 | < 17.2 | < 11.1 | < 10.3 |
| Acetone | ug/kg | 100000 | 100000 | 500000 | 1000000 | 50 | 50 | < 60.7 | < 52.2 | < 86.1 | < 55.7 | < 51.5 |
| Benzene | ug/kg | 2900 | 4800 | 44000 | 89000 | 60 | 60 | < 6.07 | < 5.22 | < 8.61 | < 5.57 | < 5.15 |
| Bromoform | ug/kg | NE | NE | NE | NE | NE | NE | < 6.07 | < 5.22 | < 8.61 | < 5.57 | < 5.15 |
| Bromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 12.1 | < 10.4 | < 17.2 | < 11.1 | < 10.3 |
| Carbon disulfide | ug/kg | 100000 | NE | NE | NE | NE | 2700 | < 12.1 | < 10.4 | < 17.2 | < 11.1 | < 10.3 |
| Carbon tetrachloride | ug/kg | 1400 | 2400 | 22000 | 44000 | 760 | 760 | < 6.07 | < 5.22 | < 8.61 | < 5.57 | < 5.15 |
| Chlorobenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 1100 | 1100 | < 6.07 | < 5.22 | < 8.61 | < 5.57 | < 5.15 |
| Chlorobromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 6.07 | < 5.22 | < 8.61 | < 5.57 | < 5.15 |
| Chlorodibromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 6.07 | < 5.22 | < 8.61 | < 5.57 | < 5.15 |
| Chloroethane | ug/kg | NE | NE | NE | NE | NE | 1900 | < 12.1 | < 10.4 | < 17.2 | < 11.1 | < 10.3 |
| Chloroform | ug/kg | 10000 | 49000 | 350000 | 700000 | 370 | 370 | < 6.07 | < 5.22 | < 8.61 | < 5.57 | < 5.15 |
| Chloromethane | ug/kg | NE | NE | NE | NE | NE | NE | < 12.1 | < 10.4 | **23.1** | < 11.1 | < 10.3 |
| cis-1,2-Dichloroethene | ug/kg | 59000 | 100000 | 500000 | 1000000 | 250 | 250 | < 6.07 | < 5.22 | < 8.61 | < 5.57 | < 5.15 |
| cis-1,3-Dichloropropene | ug/kg | NE | NE | NE | NE | NE | NE | < 6.07 | < 5.22 | < 8.61 | < 5.57 | < 5.15 |
| Cyclohexane | ug/kg | NE | NE | NE | NE | NE | NE | < 30.3 | < 26.1 | < 43.0 | < 27.8 | < 25.7 |
| Dichlorobromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 6.07 | < 5.22 | < 8.61 | < 5.57 | < 5.15 |
| Dichlorodifluoromethane | ug/kg | NE | NE | NE | NE | NE | NE | < 12.1 | < 10.4 | < 17.2 | < 11.1 | < 10.3 |
| Ethylbenzene | ug/kg | 30000 | 41000 | 390000 | 780000 | 1000 | 1000 | < 6.07 | < 5.22 | < 8.61 | < 5.57 | < 5.15 |
| Ethylene Dibromide (1,2-Dibromoethane, EDB) | ug/kg | NE | NE | NE | NE | NE | NE | < 6.07 | < 5.22 | < 8.61 | < 5.57 | < 5.15 |
| Isopropylbenzene | ug/kg | 100000 | NE | NE | NE | NE | 2300 | < 6.07 | < 5.22 | < 8.61 | < 5.57 | < 5.15 |
| Methyl acetate | ug/kg | NE | NE | NE | NE | NE | NE | < 12.1 | < 10.4 | < 17.2 | < 11.1 | < 10.3 |
| Methyl tert-butyl ether | ug/kg | 62000 | 100000 | 500000 | 1000000 | 930 | 930 | < 12.1 | < 10.4 | < 17.2 | < 11.1 | < 10.3 |
| Methylcyclohexane | ug/kg | NE | NE | NE | NE | NE | NE | < 30.3 | < 26.1 | < 43.0 | < 27.8 | < 25.7 |
| Methylene Chloride | ug/kg | 51000 | 100000 | 500000 | 1000000 | 50 | 50 | < 6.07 | < 5.22 | < 8.61 | < 5.57 | < 5.15 |
| m-Xylene & p-Xylene | ug/kg | NE | NE | NE | NE | NE | NE | < 6.07 | < 5.22 | < 8.61 | < 5.57 | < 5.15 |
| **Volatile Organic Compounds (SW846 8260D)** | | | | | | | | | | | | |
| Naphthalene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 12000 | NE | < 6.07 | < 5.22 | < 8.61 | < 5.57 | < 5.15 |
| n-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 12000 | 12000 | < 6.07 | < 5.22 | < 8.61 | < 5.57 | < 5.15 |
| N-Propylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 3900 | 3900 | < 6.07 | < 5.22 | < 8.61 | < 5.57 | < 5.15 |
| o-Xylene | ug/kg | NE | NE | NE | NE | NE | NE | < 30.3 | < 26.1 | < 43.0 | < 27.8 | < 25.7 |
| sec-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 11000 | 11000 | < 6.07 | < 5.22 | < 8.61 | < 5.57 | < 5.15 |
| Styrene | ug/kg | NE | NE | NE | NE | NE | NE | < 6.07 | < 5.22 | < 8.61 | < 5.57 | < 5.15 |
| tert-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 5900 | 5900 | < 6.07 | < 5.22 | < 8.61 | < 5.57 | < 5.15 |
| Tetrachloroethene | ug/kg | 5500 | 19000 | 150000 | 300000 | 1300 | 1300 | < 6.07 | < 5.22 | < 8.61 | < 5.57 | < 5.15 |
| Toluene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 700 | 700 | < 6.07 | < 5.22 | < 8.61 | < 5.57 | < 5.15 |
| trans-1,2-Dichloroethene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 190 | 190 | < 6.07 | < 5.22 | < 8.61 | < 5.57 | < 5.15 |
| trans-1,3-Dichloropropene | ug/kg | NE | NE | NE | NE | NE | NE | < 6.07 | < 5.22 | < 8.61 | < 5.57 | < 5.15 |
| Trichloroethene | ug/kg | 10000 | 21000 | 200000 | 400000 | 470 | 470 | < 6.07 | < 5.22 | < 8.61 | < 5.57 | < 5.15 |
| Trichlorofluoromethane | ug/kg | NE | NE | NE | NE | NE | NE | < 6.07 | < 5.22 | < 8.61 | < 5.57 | < 5.15 |
| Vinyl chloride | ug/kg | 210 | 900 | 13000 | 27000 | 20 | 20 | < 12.1 | < 10.4 | < 17.2 | < 11.1 | < 10.3 |
| Xylenes, Total | ug/kg | 100000 | 100000 | 500000 | 1000000 | 260 | 1600 | NT | NT | NT | NT | NT |

Notes
1. "<" indicates the parameter is not detected.
2."NE" indicates a standard for the parameter is not established.
3. "NT" indicates that the parameter was not tested for.
4. "BD" indicates the soil sample is a blind duplicate sample.
5. Bold values indicate the consituent was detected above the laboratory reporting limit.

**Table 1-Volatile Organic Compound Results**
**South Fork Export Cable-LIRR**
**GZA Job No. 41.0162804.02**

| Lab ID: | | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | SC60331-01 | SC60331-02 | SC60331-03 | SC60331-04 | SC60331-08 | SC60359-01 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **PARAMETERS** | **UNITS** | | | | | | **SB-21A-1** | | **SB-21A-2** | | **SB-21B** | **SB-22A** |
| **Matrix:** | | | | | | | **Grab Soil** | **Grab Soil - BD** | **Grab Soil** | **Grab Soil - BD** | **Grab Soil** | **Grab Soil** |
| **Sample Depth:** | | **Residential** | **Restricted Residential** | **Commercial** | **Industrial** | **Unrestricted** | **6 ft** | **6 ft** | **12 ft** | **12 ft** | **4 ft** | **3 ft** |
| **Sample Date:** | | | | | | | **12/23/2020** | **12/23/2020** | **12/23/2020** | **12/23/2020** | **12/23/2020** | **12/29/2020** |
| **TCLP Volatile Organic Compounds (SW846 1311/8260C)** | | | | | | | | | | | | |
| Benzene | µg/L | NE | NE | NE | NE | NE | NT | NT | < 10.0 | < 10.0 | NT | NT |
| 2-Butanone (MEK) | µg/L | NE | NE | NE | NE | NE | NT | NT | < 20.0 | < 20.0 | NT | NT |
| Carbon tetrachloride | µg/L | NE | NE | NE | NE | NE | NT | NT | < 10.0 | < 10.0 | NT | NT |
| Chlorobenzene | µg/L | NE | NE | NE | NE | NE | NT | NT | < 10.0 | < 10.0 | NT | NT |
| Chloroform | µg/L | NE | NE | NE | NE | NE | NT | NT | < 10.0 | < 10.0 | NT | NT |
| 1,2-Dichloroethane | µg/L | NE | NE | NE | NE | NE | NT | NT | < 10.0 | < 10.0 | NT | NT |
| 1,1-Dichloroethene | µg/L | NE | NE | NE | NE | NE | NT | NT | < 10.0 | < 10.0 | NT | NT |
| Tetrachloroethene | µg/L | NE | NE | NE | NE | NE | NT | NT | < 10.0 | < 10.0 | NT | NT |
| Trichloroethene | µg/L | NE | NE | NE | NE | NE | NT | NT | < 10.0 | < 10.0 | NT | NT |
| Vinyl chloride | µg/L | NE | NE | NE | NE | NE | NT | NT | < 10.0 | < 10.0 | NT | NT |
| **Volatile Organic Compounds (SW846 8260D)** | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | ug/kg | 100000 | 100000 | 500000 | 1000000 | 680 | < 5.27 | < 5.00 | < 5.76 | NT | < 5.35 | < 0.87 |
| 1,1,2,2-Tetrachloroethane | ug/kg | 35000 | NE | NE | NE | NE | < 5.27 | < 5.00 | < 5.76 | NT | < 5.35 | < 0.87 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon) | ug/kg | 100000 | NE | NE | NE | NE | < 5.27 | < 5.00 | < 5.76 | NT | < 5.35 | < 0.87 |
| 1,1,2-Trichloroethane | ug/kg | NE | NE | NE | NE | NE | < 5.27 | < 5.00 | < 5.76 | NT | < 5.35 | < 0.87 |
| 1,1-Dichloroethane | ug/kg | 19000 | 26000 | 240000 | 480000 | 270 | < 5.27 | < 5.00 | < 5.76 | NT | < 5.35 | < 0.87 |
| 1,1-Dichloroethene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 330 | < 5.27 | < 5.00 | < 5.76 | NT | < 5.35 | < 0.87 |
| 1,2,3-Trichlorobenzene | ug/kg | NE | NE | NE | NE | NE | < 5.27 | < 5.00 | < 5.76 | NT | < 5.35 | < 0.87 |
| 1,2,4-Trichlorobenzene | ug/kg | NE | NE | NE | NE | NE | < 5.27 | < 5.00 | < 5.76 | NT | < 5.35 | < 0.87 |
| 1,2,4-Trimethylbenzene | ug/kg | 47000 | 52000 | 190000 | 380000 | 3600 | < 5.27 | < 5.00 | < 5.76 | NT | < 5.35 | < 0.87 |
| 1,2-Dibromo-3-Chloropropane | ug/kg | NE | NE | NE | NE | NE | < 10.5 | < 10.0 | < 11.5 | NT | < 10.7 | < 0.87 |
| 1,2-Dichlorobenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 1100 | < 5.27 | < 5.00 | < 5.76 | NT | < 5.35 | < 0.87 |
| 1,2-Dichloroethane | ug/kg | 2300 | 3100 | 30000 | 60000 | 20 | < 5.27 | < 5.00 | < 5.76 | NT | < 5.35 | < 0.87 |
| 1,2-Dichloropropane | ug/kg | NE | NE | NE | NE | NE | < 5.27 | < 5.00 | < 5.76 | NT | < 5.35 | < 0.87 |
| 1,3,5-Trimethylbenzene | ug/kg | 47000 | 52000 | 190000 | 380000 | 8400 | < 5.27 | < 5.00 | < 5.76 | NT | < 5.35 | < 0.87 |
| 1,3-Dichlorobenzene | ug/kg | 17000 | 49000 | 280000 | 560000 | 2400 | < 5.27 | < 5.00 | < 5.76 | NT | < 5.35 | < 0.87 |
| 1,4-Dichlorobenzene | ug/kg | 9800 | 13000 | 130000 | 250000 | 1800 | < 5.27 | < 5.00 | < 5.76 | NT | < 5.35 | < 0.87 |
| 2-Butanone (MEK) | ug/kg | 100000 | 100000 | 500000 | 1000000 | 120 | < 10.5 | < 10.0 | < 11.5 | NT | < 10.7 | < 4.4 |
| 2-Hexanone | ug/kg | NE | NE | NE | NE | NE | < 10.5 | < 10.0 | < 11.5 | NT | < 10.7 | < 4.4 |
| 4-Isopropyltoluene | ug/kg | NE | NE | NE | NE | NE | < 5.27 | < 5.00 | < 5.76 | NT | < 5.35 | < 0.87 |
| 4-Methyl-2-pentanone (MIBK) | ug/kg | NE | NE | NE | NE | NE | < 10.5 | < 10.0 | < 11.5 | NT | < 10.7 | < 4.4 |
| Acetone | ug/kg | 100000 | 100000 | 500000 | 1000000 | 50 | < 52.7 | < 50.0 | < 57.6 | NT | < 53.5 | < 5.2 |
| Benzene | ug/kg | 2900 | 4800 | 44000 | 89000 | 60 | < 5.27 | < 5.00 | < 5.76 | NT | < 5.35 | < 0.87 |
| Bromoform | ug/kg | NE | NE | NE | NE | NE | < 5.27 | < 5.00 | < 5.76 | NT | < 5.35 | < 0.87 |
| Bromomethane | ug/kg | NE | NE | NE | NE | NE | < 10.5 | < 10.0 | < 11.5 | NT | < 10.7 | < 1.7 |
| Carbon disulfide | ug/kg | 100000 | NE | NE | NE | NE | < 10.5 | < 10.0 | < 11.5 | NT | < 10.7 | < 0.87 |
| Carbon tetrachloride | ug/kg | 1400 | 2400 | 22000 | 44000 | 760 | < 5.27 | < 5.00 | < 5.76 | NT | < 5.35 | < 0.87 |
| Chlorobenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 1100 | < 5.27 | < 5.00 | < 5.76 | NT | < 5.35 | < 0.87 |
| Chlorobromomethane | ug/kg | NE | NE | NE | NE | NE | < 5.27 | < 5.00 | < 5.76 | NT | < 5.35 | < 0.87 |
| Chlorodibromomethane | ug/kg | NE | NE | NE | NE | NE | < 5.27 | < 5.00 | < 5.76 | NT | < 5.35 | < 0.87 |
| Chloroethane | ug/kg | NE | NE | NE | NE | NE | < 10.5 | < 10.0 | < 11.5 | NT | < 10.7 | < 0.87 |
| Chloroform | ug/kg | 10000 | 49000 | 350000 | 700000 | 370 | < 5.27 | < 5.00 | < 5.76 | NT | < 5.35 | < 0.87 |
| Chloromethane | ug/kg | NE | NE | NE | NE | NE | < 10.5 | < 10.0 | < 11.5 | NT | < 10.7 | < 0.87 |
| cis-1,2-Dichloroethene | ug/kg | 59000 | 100000 | 500000 | 1000000 | 250 | < 5.27 | < 5.00 | < 5.76 | NT | < 5.35 | < 0.87 |
| cis-1,3-Dichloropropene | ug/kg | NE | NE | NE | NE | NE | < 5.27 | < 5.00 | < 5.76 | NT | < 5.35 | < 0.87 |
| Cyclohexane | ug/kg | NE | NE | NE | NE | NE | < 26.3 | < 25.0 | < 28.8 | NT | < 26.7 | < 0.87 |
| Dichlorobromomethane | ug/kg | NE | NE | NE | NE | NE | < 5.27 | < 5.00 | < 5.76 | NT | < 5.35 | < 0.87 |
| Dichlorodifluoromethane | ug/kg | NE | NE | NE | NE | NE | < 10.5 | < 10.0 | < 11.5 | NT | < 10.7 | < 0.87 |
| Ethylbenzene | ug/kg | 30000 | 41000 | 390000 | 780000 | 1000 | < 5.27 | < 5.00 | < 5.76 | NT | < 5.35 | < 0.87 |
| Ethylene Dibromide (1,2-Dibromoethane, EDB) | ug/kg | NE | NE | NE | NE | NE | < 5.27 | < 5.00 | < 5.76 | NT | < 5.35 | < 0.87 |
| Isopropylbenzene | ug/kg | 100000 | NE | NE | NE | NE | < 5.27 | < 5.00 | < 5.76 | NT | < 5.35 | < 0.87 |
| Methyl acetate | ug/kg | NE | NE | NE | NE | NE | < 10.5 | < 10.0 | < 11.5 | NT | < 10.7 | < 4.4 |
| Methyl tert-butyl ether | ug/kg | 62000 | 100000 | 500000 | 1000000 | 930 | < 10.5 | < 10.0 | < 11.5 | NT | < 10.7 | < 0.87 |
| Methylcyclohexane | ug/kg | NE | NE | NE | NE | NE | < 26.3 | < 25.0 | < 28.8 | NT | < 26.7 | < 0.87 |
| Methylene Chloride | ug/kg | 51000 | 100000 | 500000 | 1000000 | 50 | < 5.27 | < 5.00 | < 5.76 | NT | < 5.35 | **2.8** |
| m-Xylene & p-Xylene | ug/kg | NE | NE | NE | NE | NE | < 5.27 | < 5.00 | < 5.76 | NT | < 5.35 | < 0.87 |
| **Volatile Organic Compounds (SW846 8260D)** | | | | | | | | | | | | |
| Naphthalene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 12000 | < 5.27 | < 5.00 | < 5.76 | NT | < 5.35 | < 1.3 |
| n-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 12000 | < 5.27 | < 5.00 | < 5.76 | NT | < 5.35 | < 0.87 |
| N-Propylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 3900 | < 5.27 | < 5.00 | < 5.76 | NT | < 5.35 | < 0.87 |
| o-Xylene | ug/kg | NE | NE | NE | NE | NE | < 26.3 | < 25.0 | < 28.8 | NT | < 26.7 | < 0.87 |
| sec-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 11000 | < 5.27 | < 5.00 | < 5.76 | NT | < 5.35 | < 0.87 |
| Styrene | ug/kg | NE | NE | NE | NE | NE | < 5.27 | < 5.00 | < 5.76 | NT | < 5.35 | < 0.87 |
| tert-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 5900 | < 5.27 | < 5.00 | < 5.76 | NT | < 5.35 | < 0.87 |
| Tetrachloroethene | ug/kg | 5500 | 19000 | 150000 | 300000 | 1300 | < 5.27 | < 5.00 | < 5.76 | NT | < 5.35 | < 0.87 |
| Toluene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 700 | < 5.27 | < 5.00 | < 5.76 | NT | < 5.35 | < 0.87 |
| trans-1,2-Dichloroethene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 190 | < 5.27 | < 5.00 | < 5.76 | NT | < 5.35 | < 0.87 |
| trans-1,3-Dichloropropene | ug/kg | NE | NE | NE | NE | NE | < 5.27 | < 5.00 | < 5.76 | NT | < 5.35 | < 0.87 |
| Trichloroethene | ug/kg | 10000 | 21000 | 200000 | 400000 | 470 | < 5.27 | < 5.00 | < 5.76 | NT | < 5.35 | < 0.87 |
| Trichlorofluoromethane | ug/kg | NE | NE | NE | NE | NE | < 5.27 | < 5.00 | < 5.76 | NT | < 5.35 | < 0.87 |
| Vinyl chloride | ug/kg | 210 | 900 | 13000 | 27000 | 20 | < 10.5 | < 10.0 | < 11.5 | NT | < 10.7 | < 0.87 |
| Xylenes, Total | ug/kg | 100000 | 100000 | 500000 | 1000000 | 260 | NT | NT | NT | NT | NT | < 1.7 |

Notes
1. "<" indicates the parameter is not detected.
2."NE" indicates a standard for the parameter is not established.
3. "NT" indicates that the parameter was not tested for.
4. "BD" indicates the soil sample is a blind duplicate sample.
5. Bold values indicate the consituent was detected above the laboratory reporting limit.

**Table 1-Volatile Organic Compound Results**
**South Fork Export Cable-LIRR**
**GZA Job No. 41.0162804.02**

| Lab ID: | | | | | | | SC60359-02 | SC60359-03 | SC60345-05 | SC60345-06 | SC60345-07 | SC60345-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | UNITS | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | SB-22B-1 | SB-22B-2 | SB23A | | SB23B | SB24A |
| Matrix: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | Grab Soil | Grab Soil | Grab Soil | Grab Soil - BD | Grab Soil | Grab Soil |
| Sample Depth: | | | | | | | 2 ft | 4 ft | 3 ft | 3 ft | 3 ft | 3 ft |
| Sample Date: | | | | | | | 12/29/2020 | 12/29/2020 | 12/28/2020 | 12/28/2020 | 12/28/2020 | 12/28/2020 |
| **TCLP Volatile Organic Compounds (SW846 1311/8260C)** | | | | | | | | | | | | |
| Benzene | µg/L | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | NT | NT | NT |
| 2-Butanone (MEK) | µg/L | NE | NE | NE | NE | NE | < 20.0 | NT | < 20.0 | NT | NT | NT |
| Carbon tetrachloride | µg/L | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | NT | NT | NT |
| Chlorobenzene | µg/L | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | NT | NT | NT |
| Chloroform | µg/L | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | NT | NT | NT |
| 1,2-Dichloroethane | µg/L | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | NT | NT | NT |
| 1,1-Dichloroethene | µg/L | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | NT | NT | NT |
| Tetrachloroethene | µg/L | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | NT | NT | NT |
| Trichloroethene | µg/L | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | NT | NT | NT |
| Vinyl chloride | µg/L | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | NT | NT | NT |
| **Volatile Organic Compounds (SW846 8260D)** | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | ug/kg | 100000 | 100000 | 500000 | 1000000 | 680 | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| 1,1,2,2-Tetrachloroethane | ug/kg | 35000 | NE | NE | NE | NE | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon) | ug/kg | 100000 | NE | NE | NE | NE | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| 1,1,2-Trichloroethane | ug/kg | NE | NE | NE | NE | NE | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| 1,1-Dichloroethane | ug/kg | 19000 | 26000 | 240000 | 480000 | 270 | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| 1,1-Dichloroethene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 330 | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| 1,2,3-Trichlorobenzene | ug/kg | NE | NE | NE | NE | NE | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| 1,2,4-Trichlorobenzene | ug/kg | NE | NE | NE | NE | NE | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| 1,2,4-Trimethylbenzene | ug/kg | 47000 | 52000 | 190000 | 380000 | 3600 | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| 1,2-Dibromo-3-Chloropropane | ug/kg | NE | NE | NE | NE | NE | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| 1,2-Dichlorobenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 1100 | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| 1,2-Dichloroethane | ug/kg | 2300 | 3100 | 30000 | 60000 | 20 | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| 1,2-Dichloropropane | ug/kg | NE | NE | NE | NE | NE | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| 1,3,5-Trimethylbenzene | ug/kg | 47000 | 52000 | 190000 | 380000 | 8400 | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| 1,3-Dichlorobenzene | ug/kg | 17000 | 49000 | 280000 | 560000 | 2400 | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| 1,4-Dichlorobenzene | ug/kg | 9800 | 13000 | 130000 | 250000 | 1800 | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| 2-Butanone (MEK) | ug/kg | 100000 | 100000 | 500000 | 1000000 | 120 | < 5.0 | < 5.5 | < 4.6 | < 5.4 | < 4.3 | < 1.4 |
| 2-Hexanone | ug/kg | NE | NE | NE | NE | NE | < 5.0 | < 5.5 | < 4.6 | < 5.4 | < 4.3 | < 1.4 |
| 4-Isopropyltoluene | ug/kg | NE | NE | NE | NE | NE | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| 4-Methyl-2-pentanone (MIBK) | ug/kg | NE | NE | NE | NE | NE | < 5.0 | < 5.5 | < 4.6 | < 5.4 | < 4.3 | < 1.4 |
| Acetone | ug/kg | 100000 | 100000 | 500000 | 1000000 | 50 | < 6.0 | **8.6** | < 5.5 | < 6.5 | < 5.2 | < 1.7 |
| Benzene | ug/kg | 2900 | 4800 | 44000 | 89000 | 60 | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| Bromoform | ug/kg | NE | NE | NE | NE | NE | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| Bromomethane | ug/kg | NE | NE | NE | NE | NE | < 2.0 | < 2.2 | < 1.8 | < 2.2 | < 1.7 | < 0.58 |
| Carbon disulfide | ug/kg | 100000 | NE | NE | NE | NE | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| Carbon tetrachloride | ug/kg | 1400 | 2400 | 22000 | 44000 | 760 | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| Chlorobenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 1100 | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| Chlorobromomethane | ug/kg | NE | NE | NE | NE | NE | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| Chlorodibromomethane | ug/kg | NE | NE | NE | NE | NE | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| Chloroethane | ug/kg | NE | NE | NE | NE | NE | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| Chloroform | ug/kg | 10000 | 49000 | 350000 | 700000 | 370 | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| Chloromethane | ug/kg | NE | NE | NE | NE | NE | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| cis-1,2-Dichloroethene | ug/kg | 59000 | 100000 | 500000 | 1000000 | 250 | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| cis-1,3-Dichloropropene | ug/kg | NE | NE | NE | NE | NE | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| Cyclohexane | ug/kg | NE | NE | NE | NE | NE | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| Dichlorobromomethane | ug/kg | NE | NE | NE | NE | NE | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| Dichlorodifluoromethane | ug/kg | NE | NE | NE | NE | NE | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| Ethylbenzene | ug/kg | 30000 | 41000 | 390000 | 780000 | 1000 | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| Ethylene Dibromide (1,2-Dibromoethane, EDB) | ug/kg | NE | NE | NE | NE | NE | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| Isopropylbenzene | ug/kg | 100000 | NE | NE | NE | NE | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| Methyl acetate | ug/kg | NE | NE | NE | NE | NE | < 5.0 | < 5.5 | < 4.6 | < 5.4 | < 4.3 | < 1.4 |
| Methyl tert-butyl ether | ug/kg | 62000 | 100000 | 500000 | 1000000 | 930 | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| Methylcyclohexane | ug/kg | NE | NE | NE | NE | NE | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| Methylene Chloride | ug/kg | 51000 | 100000 | 500000 | 1000000 | 50 | < 2.0 | < 2.2 | < 1.8 | < 2.2 | < 1.7 | < 0.58 |
| m-Xylene & p-Xylene | ug/kg | NE | NE | NE | NE | NE | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| **Volatile Organic Compounds (SW846 8260D)** | | | | | | | | | | | | |
| Naphthalene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 12000 | < 1.5 | < 1.6 | < 1.4 | < 1.6 | < 1.3 | < 0.43 |
| n-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 12000 | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| N-Propylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 3900 | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| o-Xylene | ug/kg | NE | NE | NE | NE | NE | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| sec-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 11000 | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| Styrene | ug/kg | NE | NE | NE | NE | NE | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| tert-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 5900 | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| Tetrachloroethene | ug/kg | 5500 | 19000 | 150000 | 300000 | 1300 | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| Toluene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 700 | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| trans-1,2-Dichloroethene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 190 | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| trans-1,3-Dichloropropene | ug/kg | NE | NE | NE | NE | NE | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| Trichloroethene | ug/kg | 10000 | 21000 | 200000 | 400000 | 470 | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| Trichlorofluoromethane | ug/kg | NE | NE | NE | NE | NE | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| Vinyl chloride | ug/kg | 210 | 900 | 13000 | 27000 | 20 | < 1.0 | < 1.1 | < 0.92 | < 1.1 | < 0.86 | < 0.29 |
| Xylenes, Total | ug/kg | 100000 | 100000 | 500000 | 1000000 | 260 | < 2.0 | < 2.2 | < 1.8 | < 2.2 | < 1.7 | < 0.58 |

Notes
1. "<" indicates the parameter is not detected.
2."NE" indicates a standard for the parameter is not established.
3. "NT" indicates that the parameter was not tested for.
4. "BD" indicates the soil sample is a blind duplicate sample.
5. Bold values indicate the consituent was detected above the laboratory reporting limit.

**Table 1-Volatile Organic Compound Results**
**South Fork Export Cable-LIRR**
**GZA Job No. 41.0162804.02**

| Lab ID: | | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | SC60345-10 | SC60345-11 | SC60359-05 | SC60359-06 | SC60313-02 | SC60313-05 | SC60313-03 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **PARAMETERS** | **UNITS** | | | | | | **SB-24B-1** | **SB-24B-2** | **SB-25A** | **SB-25B** | **SB-26A-1** | | **SB-26A-2** |
| **Matrix:** | | **Residential** | **Restricted Residential** | **Commercial** | **Industrial** | **Unrestricted** | **Grab Soil** | **Grab Soil** | **Grab Soil** | **Grab Soil** | **Grab Soil** | **Grab Soil - BD** | **Grab Soil** |
| **Sample Depth:** | | | | | | | **2 ft** | **4 ft** | **3 ft** | **3 ft** | **6 ft** | **6 ft** | **12 ft** |
| **Sample Date:** | | | | | | | **12/28/2020** | **12/28/2020** | **12/29/2020** | **12/29/2020** | **12/22/2020** | **12/22/2020** | **12/22/2020** |
| **TCLP Volatile Organic Compounds (SW846 1311/8260C)** | | | | | | | | | | | | | |
| Benzene | µg/L | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | < 10.0 | NT | < 10.0 | < 10.0 |
| 2-Butanone (MEK) | µg/L | NE | NE | NE | NE | NE | < 20.0 | NT | < 20.0 | < 20.0 | NT | < 20.0 | < 20.0 |
| Carbon tetrachloride | µg/L | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | < 10.0 | NT | < 10.0 | < 10.0 |
| Chlorobenzene | µg/L | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | < 10.0 | NT | < 10.0 | < 10.0 |
| Chloroform | µg/L | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | < 10.0 | NT | < 10.0 | < 10.0 |
| 1,2-Dichloroethane | µg/L | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | < 10.0 | NT | < 10.0 | < 10.0 |
| 1,1-Dichloroethene | µg/L | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | < 10.0 | NT | < 10.0 | < 10.0 |
| Tetrachloroethene | µg/L | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | < 10.0 | NT | < 10.0 | < 10.0 |
| Trichloroethene | µg/L | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | < 10.0 | NT | < 10.0 | < 10.0 |
| Vinyl chloride | µg/L | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | < 10.0 | NT | < 10.0 | < 10.0 |
| **Volatile Organic Compounds (SW846 8260D)** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | ug/kg | 100000 | 100000 | 500000 | 1000000 | 680 | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| 1,1,2,2-Tetrachloroethane | ug/kg | 35000 | NE | NE | NE | NE | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon) | ug/kg | 100000 | NE | NE | NE | NE | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| 1,1,2-Trichloroethane | ug/kg | NE | NE | NE | NE | NE | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| 1,1-Dichloroethane | ug/kg | 19000 | 26000 | 240000 | 480000 | 270 | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| 1,1-Dichloroethene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 330 | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| 1,2,3-Trichlorobenzene | ug/kg | NE | NE | NE | NE | NE | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| 1,2,4-Trichlorobenzene | ug/kg | NE | NE | NE | NE | NE | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| 1,2,4-Trimethylbenzene | ug/kg | 47000 | 52000 | 190000 | 380000 | 3600 | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| 1,2-Dibromo-3-Chloropropane | ug/kg | NE | NE | NE | NE | NE | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| 1,2-Dichlorobenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 1100 | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| 1,2-Dichloroethane | ug/kg | 2300 | 3100 | 30000 | 60000 | 20 | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| 1,2-Dichloropropane | ug/kg | NE | NE | NE | NE | NE | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| 1,3,5-Trimethylbenzene | ug/kg | 47000 | 52000 | 190000 | 380000 | 8400 | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| 1,3-Dichlorobenzene | ug/kg | 17000 | 49000 | 280000 | 560000 | 2400 | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| 1,4-Dichlorobenzene | ug/kg | 9800 | 13000 | 130000 | 250000 | 1800 | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| 2-Butanone (MEK) | ug/kg | 100000 | 100000 | 500000 | 1000000 | 120 | < 5.5 | < 5.1 | < 6.1 | < 5.1 | < 5.0 | < 5.4 | < 4.6 |
| 2-Hexanone | ug/kg | NE | NE | NE | NE | NE | < 5.5 | < 5.1 | < 6.1 | < 5.1 | < 5.0 | < 5.4 | < 4.6 |
| 4-Isopropyltoluene | ug/kg | NE | NE | NE | NE | NE | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| 4-Methyl-2-pentanone (MIBK) | ug/kg | NE | NE | NE | NE | NE | < 5.5 | < 5.1 | < 6.1 | < 5.1 | < 5.0 | < 5.4 | < 4.6 |
| Acetone | ug/kg | 100000 | 100000 | 500000 | 1000000 | 50 | < 6.6 | < 6.2 | < 7.3 | **7.7** | < 6.0 | < 6.5 | < 5.5 |
| Benzene | ug/kg | 2900 | 4800 | 44000 | 89000 | 60 | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| Bromoform | ug/kg | NE | NE | NE | NE | NE | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| Bromomethane | ug/kg | NE | NE | NE | NE | NE | < 2.2 | < 2.1 | < 2.4 | < 2.0 | < 2.0 | < 2.2 | < 1.8 |
| Carbon disulfide | ug/kg | 100000 | NE | NE | NE | NE | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| Carbon tetrachloride | ug/kg | 1400 | 2400 | 22000 | 44000 | 760 | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| Chlorobenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 1100 | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| Chlorobromomethane | ug/kg | NE | NE | NE | NE | NE | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| Chlorodibromomethane | ug/kg | NE | NE | NE | NE | NE | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| Chloroethane | ug/kg | NE | NE | NE | NE | NE | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| Chloroform | ug/kg | 10000 | 49000 | 350000 | 700000 | 370 | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| Chloromethane | ug/kg | NE | NE | NE | NE | NE | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| cis-1,2-Dichloroethene | ug/kg | 59000 | 100000 | 500000 | 1000000 | 250 | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| cis-1,3-Dichloropropene | ug/kg | NE | NE | NE | NE | NE | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| Cyclohexane | ug/kg | NE | NE | NE | NE | NE | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| Dichlorobromomethane | ug/kg | NE | NE | NE | NE | NE | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| Dichlorodifluoromethane | ug/kg | NE | NE | NE | NE | NE | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| Ethylbenzene | ug/kg | 30000 | 41000 | 390000 | 780000 | 1000 | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| Ethylene Dibromide (1,2-Dibromoethane, EDB) | ug/kg | NE | NE | NE | NE | NE | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| Isopropylbenzene | ug/kg | 100000 | NE | NE | NE | NE | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| Methyl acetate | ug/kg | NE | NE | NE | NE | NE | < 5.5 | < 5.1 | < 6.1 | < 5.1 | < 5.0 | < 5.4 | < 4.6 |
| Methyl tert-butyl ether | ug/kg | 62000 | 100000 | 500000 | 1000000 | 930 | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| Methylcyclohexane | ug/kg | NE | NE | NE | NE | NE | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| Methylene Chloride | ug/kg | 51000 | 100000 | 500000 | 1000000 | 50 | < 2.2 | < 2.1 | < 2.4 | < 2.0 | < 2.0 | < 2.2 | < 1.8 |
| m-Xylene & p-Xylene | ug/kg | NE | NE | NE | NE | NE | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| **Volatile Organic Compounds (SW846 8260D)** | | | | | | | | | | | | | |
| Naphthalene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 12000 | < 1.6 | < 1.5 | < 1.8 | < 1.5 | < 1.5 | < 1.6 | < 1.4 |
| n-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 12000 | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| N-Propylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 3900 | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| o-Xylene | ug/kg | NE | NE | NE | NE | NE | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| sec-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 11000 | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| Styrene | ug/kg | NE | NE | NE | NE | NE | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| tert-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 5900 | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| Tetrachloroethene | ug/kg | 5500 | 19000 | 150000 | 300000 | 1300 | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| Toluene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 700 | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| trans-1,2-Dichloroethene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 190 | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| trans-1,3-Dichloropropene | ug/kg | NE | NE | NE | NE | NE | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| Trichloroethene | ug/kg | 10000 | 21000 | 200000 | 400000 | 470 | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| Trichlorofluoromethane | ug/kg | NE | NE | NE | NE | NE | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| Vinyl chloride | ug/kg | 210 | 900 | 13000 | 27000 | 20 | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.0 | < 1.1 | < 0.92 |
| Xylenes, Total | ug/kg | 100000 | 100000 | 500000 | 1000000 | 260 | < 2.2 | < 2.1 | < 2.4 | < 2.0 | < 2.0 | < 2.2 | < 1.8 |

Notes
1. "<" indicates the parameter is not detected.
2."NE" indicates a standard for the parameter is not established.
3. "NT" indicates that the parameter was not tested for.
4. "BD" indicates the soil sample is a blind duplicate sample.
5. Bold values indicate the consituent was detected above the laboratory reporting limit.

**Table 1-Volatile Organic Compound Results**
**South Fork Export Cable-LIRR**
**GZA Job No. 41.0162804.02**

| Lab ID: | | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | SC60313-01 | SC60313-11 | SC60313-08 | SC60313-09 | SC60345-01 | SC60313-07 | SC60313-06 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **PARAMETERS** | **UNITS** | | | | | | **SB-26B** | **SB-27A** | **SB-27B-1** | **SB-27B-2** | **SB-28A-1** | **SB-28A-2** | **SB-28B** |
| **Matrix:** | | | | | | | **Grab Soil** | **Grab Soil** | **Grab Soil** | **Grab Soil** | **Grab Soil** | **Grab Soil** | **Grab Soil** |
| **Sample Depth:** | | **Residential** | **Restricted Residential** | **Commercial** | **Industrial** | **Unrestricted** | **4 ft** | **3 ft** | **2 ft** | **4 ft** | **6 ft** | **12 ft** | **4 ft** |
| **Sample Date:** | | | | | | | **12/22/2020** | **12/22/2020** | **12/22/2020** | **12/22/2020** | **12/28/2020** | **12/22/2020** | **12/22/2020** |
| **TCLP Volatile Organic Compounds (SW846 1311/8260C)** | | | | | | | | | | | | | |
| Benzene | µg/L | NE | NE | NE | NE | NE | NT | NT | < 10.0 | NT | NT | < 10.0 | NT |
| 2-Butanone (MEK) | µg/L | NE | NE | NE | NE | NE | NT | NT | < 20.0 | NT | NT | < 20.0 | NT |
| Carbon tetrachloride | µg/L | NE | NE | NE | NE | NE | NT | NT | < 10.0 | NT | NT | < 10.0 | NT |
| Chlorobenzene | µg/L | NE | NE | NE | NE | NE | NT | NT | < 10.0 | NT | NT | < 10.0 | NT |
| Chloroform | µg/L | NE | NE | NE | NE | NE | NT | NT | < 10.0 | NT | NT | < 10.0 | NT |
| 1,2-Dichloroethane | µg/L | NE | NE | NE | NE | NE | NT | NT | < 10.0 | NT | NT | < 10.0 | NT |
| 1,1-Dichloroethene | µg/L | NE | NE | NE | NE | NE | NT | NT | < 10.0 | NT | NT | < 10.0 | NT |
| Tetrachloroethene | µg/L | NE | NE | NE | NE | NE | NT | NT | < 10.0 | NT | NT | < 10.0 | NT |
| Trichloroethene | µg/L | NE | NE | NE | NE | NE | NT | NT | < 10.0 | NT | NT | < 10.0 | NT |
| Vinyl chloride | µg/L | NE | NE | NE | NE | NE | NT | NT | < 10.0 | NT | NT | < 10.0 | NT |
| **Volatile Organic Compounds (SW846 8260D)** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | ug/kg | 100000 | 100000 | 500000 | 1000000 | 680 | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| 1,1,2,2-Tetrachloroethane | ug/kg | 35000 | NE | NE | NE | NE | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon) | ug/kg | 100000 | NE | NE | NE | NE | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| 1,1,2-Trichloroethane | ug/kg | NE | NE | NE | NE | NE | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| 1,1-Dichloroethane | ug/kg | 19000 | 26000 | 240000 | 480000 | 270 | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| 1,1-Dichloroethene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 330 | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| 1,2,3-Trichlorobenzene | ug/kg | NE | NE | NE | NE | NE | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| 1,2,4-Trichlorobenzene | ug/kg | NE | NE | NE | NE | NE | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| 1,2,4-Trimethylbenzene | ug/kg | 47000 | 52000 | 190000 | 380000 | 3600 | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| 1,2-Dibromo-3-Chloropropane | ug/kg | NE | NE | NE | NE | NE | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| 1,2-Dichlorobenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 1100 | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| 1,2-Dichloroethane | ug/kg | 2300 | 3100 | 30000 | 60000 | 20 | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| 1,2-Dichloropropane | ug/kg | NE | NE | NE | NE | NE | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| 1,3,5-Trimethylbenzene | ug/kg | 47000 | 52000 | 190000 | 380000 | 8400 | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| 1,3-Dichlorobenzene | ug/kg | 17000 | 49000 | 280000 | 560000 | 2400 | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| 1,4-Dichlorobenzene | ug/kg | 9800 | 13000 | 130000 | 250000 | 1800 | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| 2-Butanone (MEK) | ug/kg | 100000 | 100000 | 500000 | 1000000 | 120 | < 5.2 | < 5.7 | < 7.6 | < 4.9 | < 4.6 | < 5.6 | < 5.5 |
| 2-Hexanone | ug/kg | NE | NE | NE | NE | NE | < 5.2 | < 5.7 | < 7.6 | < 4.9 | < 4.6 | < 5.6 | < 5.5 |
| 4-Isopropyltoluene | ug/kg | NE | NE | NE | NE | NE | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| 4-Methyl-2-pentanone (MIBK) | ug/kg | NE | NE | NE | NE | NE | < 5.2 | < 5.7 | < 7.6 | < 4.9 | < 4.6 | < 5.6 | < 5.5 |
| Acetone | ug/kg | 100000 | 100000 | 500000 | 1000000 | 50 | < 6.3 | < 6.9 | < 9.1 | < 5.9 | < 5.5 | < 6.7 | < 6.7 |
| Benzene | ug/kg | 2900 | 4800 | 44000 | 89000 | 60 | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| Bromoform | ug/kg | NE | NE | NE | NE | NE | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| Bromomethane | ug/kg | NE | NE | NE | NE | NE | < 2.1 | < 2.3 | < 3.0 | < 2.0 | < 1.8 | < 2.2 | < 2.2 |
| Carbon disulfide | ug/kg | 100000 | NE | NE | NE | NE | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| Carbon tetrachloride | ug/kg | 1400 | 2400 | 22000 | 44000 | 760 | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| Chlorobenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 1100 | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| Chlorobromomethane | ug/kg | NE | NE | NE | NE | NE | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| Chlorodibromomethane | ug/kg | NE | NE | NE | NE | NE | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| Chloroethane | ug/kg | NE | NE | NE | NE | NE | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| Chloroform | ug/kg | 10000 | 49000 | 350000 | 700000 | 370 | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| Chloromethane | ug/kg | NE | NE | NE | NE | NE | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| cis-1,2-Dichloroethene | ug/kg | 59000 | 100000 | 500000 | 1000000 | 250 | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| cis-1,3-Dichloropropene | ug/kg | NE | NE | NE | NE | NE | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| Cyclohexane | ug/kg | NE | NE | NE | NE | NE | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| Dichlorobromomethane | ug/kg | NE | NE | NE | NE | NE | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| Dichlorodifluoromethane | ug/kg | NE | NE | NE | NE | NE | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| Ethylbenzene | ug/kg | 30000 | 41000 | 390000 | 780000 | 1000 | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| Ethylene Dibromide (1,2-Dibromoethane, EDB) | ug/kg | NE | NE | NE | NE | NE | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| Isopropylbenzene | ug/kg | 100000 | NE | NE | NE | NE | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| Methyl acetate | ug/kg | NE | NE | NE | NE | NE | < 5.2 | < 5.7 | < 7.6 | < 4.9 | < 4.6 | < 5.6 | < 5.5 |
| Methyl tert-butyl ether | ug/kg | 62000 | 100000 | 500000 | 1000000 | 930 | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| Methylcyclohexane | ug/kg | NE | NE | NE | NE | NE | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| Methylene Chloride | ug/kg | 51000 | 100000 | 500000 | 1000000 | 50 | < 2.1 | < 2.3 | < 3.0 | < 2.0 | < 1.8 | < 2.2 | < 2.2 |
| m-Xylene & p-Xylene | ug/kg | NE | NE | NE | NE | NE | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| **Volatile Organic Compounds (SW846 8260D)** | | | | | | | | | | | | | |
| Naphthalene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 12000 | < 1.6 | < 1.7 | < 2.3 | < 1.5 | < 1.4 | < 1.7 | < 1.7 |
| n-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 12000 | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| N-Propylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 3900 | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| o-Xylene | ug/kg | NE | NE | NE | NE | NE | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| sec-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 11000 | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| Styrene | ug/kg | NE | NE | NE | NE | NE | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| tert-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 5900 | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| Tetrachloroethene | ug/kg | 5500 | 19000 | 150000 | 300000 | 1300 | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| Toluene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 700 | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| trans-1,2-Dichloroethene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 190 | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| trans-1,3-Dichloropropene | ug/kg | NE | NE | NE | NE | NE | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| Trichloroethene | ug/kg | 10000 | 21000 | 200000 | 400000 | 470 | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| Trichlorofluoromethane | ug/kg | NE | NE | NE | NE | NE | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| Vinyl chloride | ug/kg | 210 | 900 | 13000 | 27000 | 20 | < 1.0 | < 1.1 | < 1.5 | < 0.99 | < 0.92 | < 1.1 | < 1.1 |
| Xylenes, Total | ug/kg | 100000 | 100000 | 500000 | 1000000 | 260 | < 2.1 | < 2.3 | < 3.0 | < 2.0 | < 1.8 | < 2.2 | < 2.2 |

Notes
1. "<" indicates the parameter is not detected.
2."NE" indicates a standard for the parameter is not established.
3. "NT" indicates that the parameter was not tested for.
4. "BD" indicates the soil sample is a blind duplicate sample.
5. Bold values indicate the consituent was detected above the laboratory reporting limit.

**Table 1-Volatile Organic Compound Results**
**South Fork Export Cable-LIRR**
**GZA Job No. 41.0162804.02**

| Lab ID: | | | | | | | SC60359-09 | SC60359-13 | SC60359-12 | SC60359-10 | SC60345-13 | SC60345-14 | SC60345-16 | SC60345-17 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | UNITS | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | SB-29A | SB-29B-1 | | SB-29B-2 | SB30A | SB30B | SB31A | SB31B |
| Matrix: | | | | | | | Grab Soil | Grab Soil | Grab Soil - BD | Grab Soil | Grab Soil | Grab Soil | Grab Soil | Grab Soil |
| Sample Depth: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | 3ft | 2 ft | 2 ft | 4 ft | 3 ft | 3 ft | 3 ft | 3 ft |
| Sample Date: | | | | | | | 12/29/2020 | 12/29/2020 | 12/29/2020 | 12/29/2020 | 12/28/2020 | 12/28/2020 | 12/28/2020 | 12/28/2020 |
| **TCLP Volatile Organic Compounds (SW846 1311/8260C)** | | | | | | | | | | | | | | |
| Benzene | µg/L | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | < 10.0 | NT | < 10.0 | NT |
| 2-Butanone (MEK) | µg/L | NE | NE | NE | NE | NE | NT | < 20.0 | NT | NT | < 20.0 | NT | < 20.0 | NT |
| Carbon tetrachloride | µg/L | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | < 10.0 | NT | < 10.0 | NT |
| Chlorobenzene | µg/L | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | < 10.0 | NT | < 10.0 | NT |
| Chloroform | µg/L | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | < 10.0 | NT | < 10.0 | NT |
| 1,2-Dichloroethane | µg/L | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | < 10.0 | NT | < 10.0 | NT |
| 1,1-Dichloroethene | µg/L | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | < 10.0 | NT | < 10.0 | NT |
| Tetrachloroethene | µg/L | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | < 10.0 | NT | < 10.0 | NT |
| Trichloroethene | µg/L | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | < 10.0 | NT | < 10.0 | NT |
| Vinyl chloride | µg/L | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | < 10.0 | NT | < 10.0 | NT |
| **Volatile Organic Compounds (SW846 8260D)** | | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | ug/kg | 100000 | 100000 | 500000 | 1000000 | 680 | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| 1,1,2,2-Tetrachloroethane | ug/kg | 35000 | NE | NE | NE | NE | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon) | ug/kg | 100000 | NE | NE | NE | NE | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| 1,1,2-Trichloroethane | ug/kg | NE | NE | NE | NE | NE | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| 1,1-Dichloroethane | ug/kg | 19000 | 26000 | 240000 | 480000 | 270 | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| 1,1-Dichloroethene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 330 | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| 1,2,3-Trichlorobenzene | ug/kg | NE | NE | NE | NE | NE | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| 1,2,4-Trichlorobenzene | ug/kg | NE | NE | NE | NE | NE | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| 1,2,4-Trimethylbenzene | ug/kg | 47000 | 52000 | 190000 | 380000 | 3600 | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| 1,2-Dibromo-3-Chloropropane | ug/kg | NE | NE | NE | NE | NE | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| 1,2-Dichlorobenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 1100 | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| 1,2-Dichloroethane | ug/kg | 2300 | 3100 | 30000 | 60000 | 20 | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| 1,2-Dichloropropane | ug/kg | NE | NE | NE | NE | NE | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| 1,3,5-Trimethylbenzene | ug/kg | 47000 | 52000 | 190000 | 380000 | 8400 | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| 1,3-Dichlorobenzene | ug/kg | 17000 | 49000 | 280000 | 560000 | 2400 | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| 1,4-Dichlorobenzene | ug/kg | 9800 | 13000 | 130000 | 250000 | 1800 | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| 2-Butanone (MEK) | ug/kg | 100000 | 100000 | 500000 | 1000000 | 120 | < 4.7 | < 6.2 | < 4.6 | < 5.3 | < 3.5 | < 5.2 | < 5.0 | < 5.7 |
| 2-Hexanone | ug/kg | NE | NE | NE | NE | NE | < 4.7 | < 6.2 | < 4.6 | < 5.3 | < 3.5 | < 5.2 | < 5.0 | < 5.7 |
| 4-Isopropyltoluene | ug/kg | NE | NE | NE | NE | NE | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| 4-Methyl-2-pentanone (MIBK) | ug/kg | NE | NE | NE | NE | NE | < 4.7 | < 6.2 | < 4.6 | < 5.3 | < 3.5 | < 5.2 | < 5.0 | < 5.7 |
| Acetone | ug/kg | 100000 | 100000 | 500000 | 1000000 | 50 | **12** | **13** | **5.8** | **11** | < 4.2 | < 6.2 | < 6.0 | < 6.8 |
| Benzene | ug/kg | 2900 | 4800 | 44000 | 89000 | 60 | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| Bromoform | ug/kg | NE | NE | NE | NE | NE | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| Bromomethane | ug/kg | NE | NE | NE | NE | NE | < 1.9 | < 2.5 | < 1.8 | < 2.1 | < 1.4 | < 2.1 | < 2.0 | < 2.3 |
| Carbon disulfide | ug/kg | 100000 | NE | NE | NE | NE | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| Carbon tetrachloride | ug/kg | 1400 | 2400 | 22000 | 44000 | 760 | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| Chlorobenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 1100 | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| Chlorobromomethane | ug/kg | NE | NE | NE | NE | NE | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| Chlorodibromomethane | ug/kg | NE | NE | NE | NE | NE | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| Chloroethane | ug/kg | NE | NE | NE | NE | NE | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| Chloroform | ug/kg | 10000 | 49000 | 350000 | 700000 | 370 | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| Chloromethane | ug/kg | NE | NE | NE | NE | NE | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| cis-1,2-Dichloroethene | ug/kg | 59000 | 100000 | 500000 | 1000000 | 250 | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| cis-1,3-Dichloropropene | ug/kg | NE | NE | NE | NE | NE | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| Cyclohexane | ug/kg | NE | NE | NE | NE | NE | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| Dichlorobromomethane | ug/kg | NE | NE | NE | NE | NE | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| Dichlorodifluoromethane | ug/kg | NE | NE | NE | NE | NE | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| Ethylbenzene | ug/kg | 30000 | 41000 | 390000 | 780000 | 1000 | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| Ethylene Dibromide (1,2-Dibromoethane, EDB) | ug/kg | NE | NE | NE | NE | NE | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| Isopropylbenzene | ug/kg | 100000 | NE | NE | NE | NE | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| Methyl acetate | ug/kg | NE | NE | NE | NE | NE | < 4.7 | < 6.2 | < 4.6 | < 5.3 | < 3.5 | < 5.2 | < 5.0 | < 5.7 |
| Methyl tert-butyl ether | ug/kg | 62000 | 100000 | 500000 | 1000000 | 930 | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| Methylcyclohexane | ug/kg | NE | NE | NE | NE | NE | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| Methylene Chloride | ug/kg | 51000 | 100000 | 500000 | 1000000 | 50 | < 1.9 | < 2.5 | **4.2** | < 2.1 | < 1.4 | < 2.1 | < 2.0 | < 2.3 |
| m-Xylene & p-Xylene | ug/kg | NE | NE | NE | NE | NE | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| **Volatile Organic Compounds (SW846 8260D)** | | | | | | | | | | | | | | |
| Naphthalene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 12000 | < 1.4 | < 1.9 | < 1.4 | < 1.6 | < 1.1 | < 1.6 | < 1.5 | < 1.7 |
| n-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 12000 | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| N-Propylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 3900 | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| o-Xylene | ug/kg | NE | NE | NE | NE | NE | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| sec-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 11000 | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| Styrene | ug/kg | NE | NE | NE | NE | NE | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| tert-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 5900 | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| Tetrachloroethene | ug/kg | 5500 | 19000 | 150000 | 300000 | 1300 | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| Toluene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 700 | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| trans-1,2-Dichloroethene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 190 | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| trans-1,3-Dichloropropene | ug/kg | NE | NE | NE | NE | NE | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| Trichloroethene | ug/kg | 10000 | 21000 | 200000 | 400000 | 470 | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| Trichlorofluoromethane | ug/kg | NE | NE | NE | NE | NE | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| Vinyl chloride | ug/kg | 210 | 900 | 13000 | 27000 | 20 | < 0.93 | < 1.2 | < 0.91 | < 1.1 | < 0.71 | < 1.0 | < 1.0 | < 1.1 |
| Xylenes, Total | ug/kg | 100000 | 100000 | 500000 | 1000000 | 260 | < 1.9 | < 2.5 | < 1.8 | < 2.1 | < 1.4 | < 2.1 | < 2.0 | < 2.3 |

Notes
1. "<" indicates the parameter is not detected.
2."NE" indicates a standard for the parameter is not established.
3. "NT" indicates that the parameter was not tested for.
4. "BD" indicates the soil sample is a blind duplicate sample.
5. Bold values indicate the consituent was detected above the laboratory reporting limit.

**Table 2-Composite Sample Results**
**South Fork Export Cable-LIRR**
**GZA Job No. 41.0162804.02**

| Lab ID: | | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | SC60331-17 | SC60331-13 | SC60331-09 | SC60331-10 | SC60359-04 | SC60345-08 | SC60345-12 | SC60359-07 | SC60359-08 | SC60313-04 | SC60313-10 | SC60313-13 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | UNITS | | | | | | | COMP-19 | COMP-20 | COMP-21 | | COMP-22 | COMP-23 | COMP-24 | COMP-25-1 | COMP-25-2 | COMP-26 | COMP-27 | COMP-28 |
| Matrix: | | | | | | | | Composite Soil | Composite Soil | Composite Soil | Composite Soil - BD | Composite Soil | Composite Soil | Composite Soil | Composite Soil | Composite Soil | Composite Soil | Composite Soil | Composite Soil |
| Sample Location: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | Protection of GW | SB-19A/SB-19B | SB-20A/SB-20B | SB-21A/SB-21B | SB-21A/SB-21B | SB-22A/SB-22B | SB-23A/SB-23B | SB-24A/SB-24B | SB-25A/SB-25B | SB-25A/SB-25B | SB-26A/SB-26B | SB-27A/SB-27B | SB-28A/SB-28B |
| Sample Depth: | | | | | | | | 0-5 ft | 0-5 ft | 0-12 ft | 0-12 ft | 0-5 ft | 0-5 ft | 0-5 ft | 0-5 ft | 0-5 ft | 0-12 ft | 0-5 ft | 0-12 feet |
| Sample Date: | | | | | | | | 12/23/2020 | 12/23/2020 | 12/23/2020 | 12/23/2020 | 12/29/2020 | 12/28/2020 | 12/28/2020 | 12/29/2020 | 12/29/2020 | 12/22/2020 | 12/22/2020 | 12/22/2020 |
| **Extractable Petroleum Hydrocarbons (NJDEP 3546)** | | | | | | | | | | | | | | | | | | | |
| C12-C16 Aliphatics | mg/kg | NE | NE | NE | NE | NE | NE | < 2.1 | < 2.4 | < 2.4 | < 2.2 | < 2.1 | < 2.1 | < 2.2 | < 2.1 | < 2.1 | < 2.2 | < 2.1 | < 2.1 |
| C16-C21 Aliphatics | mg/kg | NE | NE | NE | NE | NE | NE | < 2.1 | < 2.4 | < 2.4 | < 2.2 | < 2.1 | < 2.1 | < 2.2 | < 2.1 | < 2.1 | < 2.2 | < 2.1 | < 2.1 |
| C21-C40 Aliphatics | mg/kg | NE | NE | NE | NE | NE | NE | < 2.1 | < 2.4 | < 2.4 | < 2.2 | < 2.1 | < 2.1 | < 2.2 | < 2.1 | < 2.1 | < 2.2 | < 2.1 | < 2.1 |
| C9-C12 Aliphatics | mg/kg | NE | NE | NE | NE | NE | NE | < 2.1 | < 2.4 | < 2.4 | < 2.2 | < 2.1 | < 2.1 | < 2.2 | < 2.1 | < 2.1 | < 2.2 | < 2.1 | < 2.1 |
| Total Aliphatics | mg/kg | NE | NE | NE | NE | NE | NE | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 |
| Total Aromatics | mg/kg | NE | NE | NE | NE | NE | NE | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 |
| Total EPH | mg/kg | NE | NE | NE | NE | NE | NE | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 |
| **TCLP Metals (SW846 1311/6010C/1311/7470A)** | | | | | | | | | | | | | | | | | | | |
| Arsenic | mg/L | NE | NE | NE | NE | NE | NE | < 0.0320 | < 0.0320 | < 0.0320 | < 0.0320 | < 0.0300 | < 0.0200 | < 0.0200 | < 0.0300 | < 0.0300 | < 0.0320 | < 0.0320 | < 0.0320 |
| Cadmium | mg/L | NE | NE | NE | NE | NE | NE | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 |
| Chromium | mg/L | NE | NE | NE | NE | NE | NE | **0.0574** | **0.0503** | **0.0134** | **0.0746** | **0.0195** | **0.0249** | **0.023** | **0.0234** | **0.0236** | **0.0898** | **0.0477** | **0.0492** |
| Lead | mg/L | NE | NE | NE | NE | NE | NE | **0.0379** | **0.0352** | < 0.0150 | **0.0226** | < 0.0150 | < 0.0300 | < 0.0300 | **0.0256** | **0.021** | **0.026** | **0.0303** | **0.0306** |
| Selenium | mg/L | NE | NE | NE | NE | NE | NE | < 0.0300 | < 0.0300 | < 0.0300 | < 0.0300 | < 0.0300 | < 0.0300 | < 0.0300 | < 0.0300 | < 0.0300 | < 0.0300 | < 0.0300 | < 0.0300 |
| Silver | mg/L | NE | NE | NE | NE | NE | NE | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 |
| Barium | mg/L | NE | NE | NE | NE | NE | NE | **0.14** | **0.185** | **0.228** | **0.204** | **0.112** | **0.109** | **0.13** | < 0.100 | < 0.100 | **0.186** | **0.132** | **0.156** |
| Mercury | mg/L | NE | NE | NE | NE | NE | NE | < 0.00040 | < 0.00040 | < 0.00040 | < 0.00040 | < 0.00040 | < 0.00050 | < 0.00050 | < 0.00040 | < 0.00040 | < 0.00020 | < 0.00020 | < 0.00020 |
| **TCLP Pesticides (SW846 1311/8081B)** | | | | | | | | | | | | | | | | | | | |
| gamma-BHC (Lindane) | µg/L | NE | NE | NE | NE | NE | NE | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| Heptachlor | µg/L | NE | NE | NE | NE | NE | NE | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| Heptachlor epoxide | µg/L | NE | NE | NE | NE | NE | NE | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| Dieldrin | µg/L | NE | NE | NE | NE | NE | NE | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| 4,4'-DDE (p,p') | µg/L | NE | NE | NE | NE | NE | NE | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| Endrin | µg/L | NE | NE | NE | NE | NE | NE | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 |
| 4,4'-DDD (p,p') | µg/L | NE | NE | NE | NE | NE | NE | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 |
| 4,4'-DDT (p,p') | µg/L | NE | NE | NE | NE | NE | NE | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 |
| Methoxychlor | µg/L | NE | NE | NE | NE | NE | NE | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 |
| Endrin ketone | µg/L | NE | NE | NE | NE | NE | NE | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 |
| Endrin aldehyde | µg/L | NE | NE | NE | NE | NE | NE | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 |
| Toxaphene | µg/L | NE | NE | NE | NE | NE | NE | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Chlordane | µg/L | NE | NE | NE | NE | NE | NE | < 2.50 | < 2.50 | < 2.50 | < 2.50 | < 2.50 | < 2.50 | < 2.50 | < 2.50 | < 2.50 | < 2.50 | < 2.50 | < 2.50 |
| **TCLP Semi-Volatile Organic Carbons (SW846 1311/8270D)** | | | | | | | | | | | | | | | | | | | |
| 1,4-Dichlorobenzene | µg/L | NE | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| 2,4-Dinitrotoluene | µg/L | NE | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| Hexachlorobenzene | µg/L | NE | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| Hexachlorobutadiene | µg/L | NE | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| Hexachloroethane | µg/L | NE | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| 2-Methylphenol | µg/L | NE | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| 3 & 4-Methylphenol | µg/L | NE | NE | NE | NE | NE | NE | < 100 | < 100 | < 100 | < 100 | < 100 | < 100 | < 100 | < 100 | < 100 | < 100 | < 100 | < 100 |
| Nitrobenzene | µg/L | NE | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| Pentachlorophenol | µg/L | NE | NE | NE | NE | NE | NE | < 200 | < 200 | < 200 | < 200 | < 200 | < 200 | < 200 | < 200 | < 200 | < 200 | < 200 | < 200 |
| Pyridine | µg/L | NE | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| 2,4,5-Trichlorophenol | µg/L | NE | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| 2,4,6-Trichlorophenol | µg/L | NE | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| **Metals (SW846 6010C/6010D/7196A/7471B)** | | | | | | | | | | | | | | | | | | | |
| Potassium | mg/kg | NE | NE | NE | NE | NE | NE | **70.5** | **93.7** | **122** | **153** | **109** | **114** | < 54.7 | **85.6** | **83.7** | **86.7** | **98.6** | **75.8** |
| Sodium | mg/kg | NE | NE | NE | NE | NE | NE | < 81.1 | < 85.9 | < 81.0 | < 87.7 | < 80.8 | < 82.1 | < 82.1 | < 75.5 | < 76.0 | < 62.5 | < 99.3 | < 95.4 |
| Manganese | mg/kg | 2000 | 2000 | 10000 | 10000 | 1600 | 2000 | **10.9** | **48.7** | **35** | **37.6** | **45.1** | **63.2** | **48.2** | **19.9** | **18.5** | **57** | **53.3** | **25.8** |
| Aluminum | mg/kg | NE | NE | NE | NE | NE | NE | **2,260** | **3,220** | **1,860** | **2,010** | **1,330** | **2,940** | **3,080** | **2,480** | **2,380** | **1,920** | **1,720** | **1,820** |
| Antimony | mg/kg | NE | NE | NE | NE | NE | NE | < 5.41 | < 5.72 | < 5.40 | < 5.84 | < 5.39 | < 5.48 | < 5.47 | < 5.04 | < 5.07 | < 4.16 | < 6.62 | < 6.36 |
| Arsenic | mg/kg | 16 | 16 | 16 | 16 | 13 | 16 | < 1.68 | < 1.68 | < 1.58 | < 1.74 | < 1.62 | < 1.64 | < 1.64 | < 1.51 | < 1.52 | < 1.25 | < 1.99 | < 1.91 |
| Beryllium | mg/kg | 14 | 72 | 590 | 2700 | 7.2 | 47 | < 0.541 | < 0.572 | < 0.540 | < 0.584 | < 0.539 | < 0.548 | < 0.547 | < 0.504 | < 0.507 | < 0.416 | < 0.662 | < 0.636 |
| Cadmium | mg/kg | 2.5 | 4.3 | 9.3 | 60 | 2.5 | 7.5 | < 0.541 | < 0.572 | < 0.540 | < 0.584 | < 0.539 | < 0.548 | < 0.547 | < 0.504 | < 0.507 | < 0.416 | < 0.662 | < 0.636 |
| Calcium | mg/kg | NE | NE | NE | NE | NE | NE | < 27.9 | **39.7** | **49** | **40.5** | < 26.9 | **36.7** | **43.4** | < 25.2 | **25.7** | **54.6** | **36.7** | **37.2** |
| Chromium | mg/kg | NE | NE | NE | NE | NE | NE | **2.38** | **2.29** | **3.82** | **3.29** | **1.12** | **2.58** | **2.89** | **1.73** | **1.6** | **5.04** | **2.18** | **3.38** |
| Cobalt | mg/kg | 30 | NE | NE | NE | NE | NE | < 1.08 | < 1.14 | < 1.08 | < 1.17 | < 1.08 | **1.24** | < 1.09 | < 1.01 | < 1.01 | **0.883** | < 1.32 | < 1.27 |
| Copper | mg/kg | 270 | 270 | 270 | 10000 | 50 | 1720 | **1.34** | **4.87** | **2.03** | **1.88** | **1.42** | **1.61** | **1.53** | **2.08** | **1.58** | **1.57** | **2.05** | **1.75** |
| Iron | mg/kg | 2000 | NE | NE | NE | NE | NE | **2,040** | **2,770** | **2,770** | **2,120** | **1,630** | **3,310** | **2,900** | **1,730** | **1,540** | **3,870** | **2,530** | **2,410** |
| Lead | mg/kg | 400 | 400 | 1000 | 3900 | 63 | 450 | < 1.62 | < 1.72 | < 1.62 | < 1.75 | < 1.62 | **1.82** | < 1.64 | < 1.51 | < 1.52 | < 1.25 | **2.84** | < 1.91 |
| Magnesium | mg/kg | NE | NE | NE | NE | NE | NE | **128** | **524** | **191** | **240** | **202** | **265** | **469** | **209** | **167** | **203** | **231** | **180** |
| Nickel | mg/kg | 140 | 310 | 310 | 10000 | 30 | 130 | **1.16** | **2.4** | **1.58** | **1.76** | < 1.08 | **1.86** | **2.06** | **1.27** | **1.15** | **1.47** | **1.46** | **1.44** |
| Selenium | mg/kg | 36 | 180 | 1500 | 6800 | 3.9 | 4 | < 1.68 | < 1.68 | < 1.58 | < 1.74 | < 1.62 | < 1.64 | < 1.64 | < 1.51 | < 1.52 | < 1.25 | < 1.99 | < 1.91 |
| Silver | mg/kg | 36 | 180 | 1500 | 6800 | 2 | 8.3 | < 1.62 | < 1.72 | < 1.62 | < 1.75 | < 1.62 | < 1.64 | < 1.64 | < 1.51 | < 1.52 | < 1.25 | < 1.99 | < 1.91 |
| Thallium | mg/kg | NE | NE | NE | NE | NE | NE | < 3.25 | < 3.43 | < 3.24 | < 3.51 | < 3.23 | < 3.29 | < 3.28 | < 3.02 | < 3.04 | < 2.50 | < 3.97 | < 3.82 |
| Vanadium | mg/kg | 100 | NE | NE | NE | NE | NE | **3.82** | **5.27** | **3.72** | **3.69** | **2.56** | **5.52** | **5.87** | **3.43** | **2.91** | **4.16** | **3.24** | **3.74** |
| Zinc | mg/kg | 2200 | 10000 | 10000 | 10000 | 109 | 2480 | < 3.25 | **6.1** | **14.2** | **5.18** | < 3.23 | **4.06** | **4.6** | **3.69** | **3.33** | **3.69** | **4.09** | < 3.82 |
| Barium | mg/kg | 350 | 400 | 400 | 10000 | 350 | 820 | **2.37** | **3.8** | **4.25** | **4.45** | **3.07** | **4.18** | **6.17** | **3.07** | **2.71** | **3.26** | **2.67** | **2.61** |
| Cr (VI) | mg/kg | 22 | 110 | 400 | 800 | 1 | 19 | < 2.1 | < 2.4 | < 2.5 | < 2.2 | < 2.1 | < 2.2 | < 2.2 | < 2.1 | < 2.0 | < 2.2 | < 2.1 | < 2.1 |
| Trivalent Chromium | mg/kg | 36 | 180 | 1500 | 6800 | 30 | NE | **2.38** | **2.29** | **3.82** | **3.29** | **1.12** | **2.58** | **2.89** | **1.73** | **1.6** | **5.04** | **2.18** | **3.38** |
| Mercury | mg/kg | 0.81 | 0.81 | 2.8 | 5.7 | 0.18 | 0.73 | < 0.0302 | < 0.0292 | < 0.0321 | < 0.0343 | < 0.0312 | < 0.0348 | < 0.0378 | < 0.0308 | < 0.0323 | < 0.0243 | < 0.0332 | < 0.0377 |
| **Pesticides (SW846 8081B)** | | | | | | | | | | | | | | | | | | | |
| alpha-BHC | µg/kg | 97 | 480 | 3400 | 6800 | 20 | 20 | < 5.01 | < 5.43 | < 5.16 | < 5.09 | < 5.10 | < 5.25 | < 5.33 | < 5.00 | < 5.16 | < 5.48 | < 6.12 | < 5.81 |
| beta-BHC | µg/kg | 72 | 360 | 3000 | 14000 | 36 | 90 | < 5.01 | < 5.43 | < 5.16 | < 5.09 | < 5.10 | < 5.25 | < 5.33 | < 5.00 | < 5.16 | < 5.48 | < 6.12 | < 5.81 |
| delta-BHC | µg/kg | 100000 | 100000 | 500000 | 1000000 | 40 | 250 | < 5.01 | < 5.43 | < 5.16 | < 5.09 | < 5.10 | < 5.25 | < 5.33 | < 5.00 | < 5.16 | < 5.48 | < 6.12 | < 5.81 |
| gamma-BHC (Lindane) | µg/kg | 280 | 1300 | 9200 | 23000 | 100 | 100 | < 5.01 | < 5.43 | < 5.16 | < 5.09 | < 3.06 | < 3.15 | < 3.20 | < 3.00 | < 3.10 | < 5.48 | < 6.12 | < 5.81 |
| Heptachlor | µg/kg | 420 | 2100 | 15000 | 29000 | 42 | 380 | < 5.01 | < 5.43 | < 5.16 | < 5.09 | < 5.10 | < 5.25 | < 5.33 | < 5.00 | < 5.16 | < 5.48 | < 6.12 | < 5.81 |
| Aldrin | µg/kg | 19 | 97 | 680 | 1400 | 5 | 190 | < 5.01 | < 5.43 | < 5.16 | < 5.09 | < 5.10 | < 5.25 | < 5.33 | < 5.00 | < 5.16 | < 5.48 | < 6.12 | < 5.81 |
| Heptachlor epoxide | µg/kg | 77 | NE | NE | NE | NE | 20 | < 5.01 | < 5.43 | < 5.16 | < 5.09 | < 5.10 | < 5.25 | < 5.33 | < 5.00 | < 5.16 | < 5.48 | < 6.12 | < 5.81 |
| Endosulfan I | µg/kg | 4800 | 24000 | 200000 | 920000 | 2400 | 102000 | < 5.01 | < 5.43 | < 5.16 | < 5.09 | < 5.10 | < 5.25 | < 5.33 | < 5.00 | < 5.16 | < 5.48 | < 6.12 | < 5.81 |
| Dieldrin | µg/kg | 39 | 200 | 1400 | 2800 | 5 | 100 | < 5.01 | < 5.43 | < 5.16 | < 5.09 | < 5.10 | < 5.25 | < 5.33 | < 5.00 | < 5.16 | < 5.48 | < 6.12 | < 5.81 |
| 4,4'-DDE (p,p') | µg/kg | 1800 | 8900 | 62000 | 120000 | 3.3 | 17000 | < 5.01 | < 5.43 | < 5.16 | < 5.09 | < 5.10 | < 5.25 | < 5.33 | < 5.00 | < 5.16 | < 5.48 | < 6.12 | < 5.81 |
| Endrin | µg/kg | 2200 | 11000 | 89000 | 410000 | 14 | 60 | < 5.01 | < 5.43 | < 5.16 | < 5.09 | < 8.16 | < 8.39 | < 8.53 | < 8.00 | < 8.25 | < 5.48 | < 6.12 | < 5.81 |
| Endosulfan II | µg/kg | 4800 | 24000 | 200000 | 920000 | 2400 | 102000 | < 5.01 | < 5.43 | < 5.16 | < 5.09 | < 8.16 | < 8.39 | < 8.53 | < 8.00 | < 8.25 | < 5.48 | < 6.12 | < 5.81 |
| 4,4'-DDD (p,p') | µg/kg | 2600 | 13000 | 92000 | 180000 | 3.3 | 14000 | < 5.01 | < 5.43 | < 5.16 | < 5.09 | < 8.16 | < 8.39 | < 8.53 | < 8.00 | < 8.25 | < 5.48 | < 6.12 | < 5.81 |

**Table 2-Composite Sample Results**
**South Fork Export Cable-LIRR**
**GZA Job No. 41.0162804.02**

| Lab ID: | | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | SC60331-17 | SC60331-13 | SC60331-09 | SC60331-10 | SC60359-04 | SC60345-08 | SC60345-12 | SC60359-07 | SC60359-08 | SC60313-04 | SC60313-10 | SC60313-13 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | UNITS | | | | | | | COMP-19 | COMP-20 | COMP-21 | | COMP-22 | COMP-23 | COMP-24 | COMP-25-1 | COMP-25-2 | COMP-26 | COMP-27 | COMP-28 |
| Matrix: | | | | | | | | Composite Soil | Composite Soil | Composite Soil | Composite Soil - BD | Composite Soil | Composite Soil | Composite Soil | Composite Soil | Composite Soil | Composite Soil | Composite Soil | Composite Soil |
| Sample Location: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | Protection of GW | SB-19A/SB-19B | SB-20A/SB-20B | SB-21A/SB-21B | SB-21A/SB-21B | SB-22A/SB-22B | SB-23A/SB-23B | SB-24A/SB-24B | SB-25A/SB-25B | SB-25A/SB-25B | SB-26A/SB-26B | SB-27A/SB-27B | SB-28A/SB-28B |
| Sample Depth: | | | | | | | | 0-5 ft | 0-5 ft | 0-12 ft | 0-12 ft | 0-5 ft | 0-5 ft | 0-5 ft | 0-5 ft | 0-5 ft | 0-12 ft | 0-5 ft | 0-12 feet |
| Sample Date: | | | | | | | | 12/23/2020 | 12/23/2020 | 12/23/2020 | 12/23/2020 | 12/29/2020 | 12/28/2020 | 12/28/2020 | 12/29/2020 | 12/29/2020 | 12/22/2020 | 12/22/2020 | 12/22/2020 |
| Endosulfan sulfate | µg/kg | 4800 | 24000 | 200000 | 920000 | 2400 | 1000000 | < 5.01 | < 5.43 | < 5.16 | < 5.09 | < 8.16 | < 8.39 | < 8.53 | < 8.00 | < 8.25 | < 5.48 | < 6.12 | < 5.81 |
| 4,4'-DDT (p,p') | µg/kg | 1700 | 7900 | 47000 | 94000 | 3.3 | 136000 | < 5.01 | < 5.43 | < 5.16 | < 5.09 | < 8.16 | < 8.39 | < 8.53 | < 8.00 | < 8.25 | < 5.48 | < 6.12 | < 5.81 |
| Methoxychlor | µg/kg | 100000 | NE | NE | NE | NE | 900000 | < 8.01 | < 8.68 | < 8.25 | < 8.14 | < 8.16 | < 8.39 | < 8.53 | < 8.00 | < 8.25 | < 8.76 | < 9.80 | < 9.30 |
| Endrin ketone | µg/kg | NE | NE | NE | NE | NE | NE | < 5.01 | < 5.43 | < 5.16 | < 5.09 | < 8.16 | < 8.39 | < 8.53 | < 8.00 | < 8.25 | < 5.48 | < 6.12 | < 5.81 |
| Endrin aldehyde | µg/kg | NE | NE | NE | NE | NE | NE | < 5.01 | < 5.43 | < 5.16 | < 5.09 | < 8.16 | < 8.39 | < 8.53 | < 8.00 | < 8.25 | < 5.48 | < 6.12 | < 5.81 |
| alpha-Chlordane | µg/kg | 910 | 4200 | 24000 | 47000 | 94 | 2900 | < 5.01 | < 5.43 | < 5.16 | < 5.09 | < 5.10 | < 5.25 | < 5.33 | < 5.00 | < 5.16 | < 5.48 | < 6.12 | < 5.81 |
| gamma-Chlordane | µg/kg | 540 | NE | NE | NE | NE | 14000 | < 5.01 | < 5.43 | < 5.16 | < 5.09 | < 5.10 | < 5.25 | < 5.33 | < 5.00 | < 5.16 | < 5.48 | < 6.12 | < 5.81 |
| Toxaphene | µg/kg | NE | NE | NE | NE | NE | NE | < 100 | < 109 | < 103 | < 102 | < 102 | < 105 | < 107 | < 100 | < 103 | < 110 | < 122 | < 116 |
| Chlordane | µg/kg | NE | NE | NE | NE | NE | NE | < 20.0 | < 21.7 | < 20.6 | < 20.3 | < 20.4 | < 21.0 | < 21.3 | < 20.0 | < 20.6 | < 21.9 | < 24.5 | < 23.2 |
| Alachlor | µg/kg | NE | NE | NE | NE | NE | NE | < 5.01 | < 5.43 | < 5.16 | < 5.09 | < 5.10 | < 5.25 | < 5.33 | < 5.00 | < 5.16 | < 5.48 | < 6.12 | < 5.81 |
| **Polychlorinated Biphenyls (SW846 8082A)** | | | | | | | | | | | | | | | | | | | |
| Aroclor-1016 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | 3200 | < 20.0 | < 21.7 | < 20.6 | < 20.3 | < 20.4 | < 20.6 | < 21.7 | < 20.0 | < 20.6 | < 21.9 | < 24.5 | < 23.2 |
| Aroclor-1221 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | 3200 | < 20.0 | < 21.7 | < 20.6 | < 20.3 | < 20.4 | < 20.6 | < 21.7 | < 20.0 | < 20.6 | < 21.9 | < 24.5 | < 23.2 |
| Aroclor-1232 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | 3200 | < 20.0 | < 21.7 | < 20.6 | < 20.3 | < 20.4 | < 20.6 | < 21.7 | < 20.0 | < 20.6 | < 21.9 | < 24.5 | < 23.2 |
| Aroclor-1242 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | 3200 | < 20.0 | < 21.7 | < 20.6 | < 20.3 | < 20.4 | < 20.6 | < 21.7 | < 20.0 | < 20.6 | < 21.9 | < 24.5 | < 23.2 |
| Aroclor-1248 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | 3200 | < 20.0 | < 21.7 | < 20.6 | < 20.3 | < 20.4 | < 20.6 | < 21.7 | < 20.0 | < 20.6 | < 21.9 | < 24.5 | < 23.2 |
| Aroclor-1254 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | 3200 | < 20.0 | < 21.7 | < 20.6 | < 20.3 | < 20.4 | < 20.6 | < 21.7 | < 20.0 | < 20.6 | < 21.9 | < 24.5 | < 23.2 |
| Aroclor-1260 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | 3200 | < 20.0 | < 21.7 | < 20.6 | < 20.3 | < 20.4 | < 20.6 | < 21.7 | < 20.0 | < 20.6 | < 21.9 | < 24.5 | < 23.2 |
| Aroclor-1262 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | 3200 | < 20.0 | < 21.7 | < 20.6 | < 20.3 | < 20.4 | < 20.6 | < 21.7 | < 20.0 | < 20.6 | < 21.9 | < 24.5 | < 23.2 |
| Aroclor-1268 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | 3200 | < 20.0 | < 21.7 | < 20.6 | < 20.3 | < 20.4 | < 20.6 | < 21.7 | < 20.0 | < 20.6 | < 21.9 | < 24.5 | < 23.2 |
| **Herbicides (SW846 8151A)** | | | | | | | | | | | | | | | | | | | |
| 2,4,5-T | µg/kg | 100000 | NE | NE | NE | NE | 1900 | NT | NT | < 41 | < 36 | NT | NT | NT | NT | NT | < 36 | NT | < 35 |
| 2,4-D | µg/kg | 100000 | NE | NE | NE | NE | 500 | NT | NT | < 41 | < 36 | NT | NT | NT | NT | NT | < 36 | NT | < 35 |
| Silvex (2,4,5-TP) | µg/kg | 58000 | 100000 | 500000 | 1000000 | 3800 | 3800 | NT | NT | < 41 | < 36 | NT | NT | NT | NT | NT | < 36 | NT | < 35 |
| **TCLP Herbicides (SW846 8151A)** | | | | | | | | | | | | | | | | | | | |
| 2,4,5-T | mg/L | NE | NE | NE | NE | NE | NE | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 |
| 2,4-D | mg/L | NE | NE | NE | NE | NE | NE | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 |
| Silvex (2,4,5-TP) | mg/L | NE | NE | NE | NE | NE | NE | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 |
| **Semi-Volatile Organic Compounds (SW846 8270D/8270E)** | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 20000 | 98000 | < 69.2 | < 75.4 | < 70.1 | < 69.7 | < 70.0 | < 67.7 | < 71.1 | < 69.4 | < 68.8 | < 73.7 | < 84.8 | < 75.6 |
| Acenaphthylene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 100000 | 107000 | < 69.2 | < 75.4 | < 70.1 | < 69.7 | < 70.0 | < 67.7 | < 71.1 | < 69.4 | < 68.8 | < 73.7 | < 84.8 | < 75.6 |
| Aniline | µg/kg | 48000 | 100000 | 500000 | 1000000 | NE | 330 | < 343 | < 373 | < 347 | < 345 | < 347 | < 335 | < 352 | < 343 | < 340 | < 365 | < 420 | < 374 |
| Anthracene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 100000 | 1000000 | < 69.2 | < 75.4 | < 70.1 | < 69.7 | < 70.0 | < 67.7 | < 71.1 | < 69.4 | < 68.8 | < 73.7 | < 84.8 | < 75.6 |
| Azobenzene/Diphenyldiazene | µg/kg | NE | NE | NE | NE | NE | NE | < 343 | < 373 | < 347 | < 345 | < 347 | < 335 | < 352 | < 343 | < 340 | < 365 | < 420 | < 374 |
| Benzidine | µg/kg | NE | NE | NE | NE | NE | NE | < 685 | < 746 | < 694 | < 690 | < 693 | < 670 | < 704 | < 687 | < 680 | < 729 | < 839 | < 748 |
| Benzo (a) anthracene | µg/kg | 1000 | 1000 | 5600 | 11000 | 1000 | 1000 | < 69.2 | < 75.4 | < 70.1 | < 69.7 | < 70.0 | < 67.7 | < 71.1 | < 69.4 | < 68.8 | < 73.7 | < 84.8 | < 75.6 |
| Benzo (a) pyrene | µg/kg | 1000 | 1000 | 1000 | 1100 | 1000 | 22000 | < 69.2 | < 75.4 | < 70.1 | < 69.7 | < 70.0 | < 67.7 | < 71.1 | < 69.4 | < 68.8 | < 73.7 | < 84.8 | < 75.6 |
| Benzo (b) fluoranthene | µg/kg | 1000 | 1000 | 5600 | 11000 | 1000 | 1700 | < 69.2 | < 75.4 | < 70.1 | < 69.7 | < 70.0 | < 67.7 | < 71.1 | < 69.4 | < 68.8 | < 73.7 | < 84.8 | < 75.6 |
| Benzo (g,h,i) perylene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 100000 | 1000000 | < 69.2 | < 75.4 | < 70.1 | < 69.7 | < 70.0 | < 67.7 | < 71.1 | < 69.4 | < 68.8 | < 73.7 | < 84.8 | < 75.6 |
| Benzo (k) fluoranthene | µg/kg | 1000 | 3900 | 56000 | 110000 | 800 | 1700 | < 69.2 | < 75.4 | < 70.1 | < 69.7 | < 70.0 | < 67.7 | < 71.1 | < 69.4 | < 68.8 | < 73.7 | < 84.8 | < 75.6 |
| Benzoic acid | µg/kg | 100000 | NE | NE | NE | NE | 2700 | < 343 | < 373 | < 347 | < 345 | < 347 | < 335 | < 352 | < 343 | < 340 | < 365 | < 420 | < 374 |
| Benzyl alcohol | µg/kg | NE | NE | NE | NE | NE | NE | < 343 | < 373 | < 347 | < 345 | < 347 | < 335 | < 352 | < 343 | < 340 | < 365 | < 420 | < 374 |
| Bis(2-chloroethoxy)methane | µg/kg | NE | NE | NE | NE | NE | NE | < 343 | < 373 | < 347 | < 345 | < 347 | < 335 | < 352 | < 343 | < 340 | < 365 | < 420 | < 374 |
| Bis(2-chloroethyl)ether | µg/kg | NE | NE | NE | NE | NE | NE | < 173 | < 189 | < 176 | < 175 | < 175 | < 170 | < 178 | < 174 | < 172 | < 184 | < 212 | < 189 |
| Bis(2-chloroisopropyl)ether | µg/kg | NE | NE | NE | NE | NE | NE | < 173 | < 189 | < 176 | < 175 | < 175 | < 170 | < 178 | < 174 | < 172 | < 184 | < 212 | < 189 |
| Bis(2-ethylhexyl)phthalate | µg/kg | 50000 | NE | NE | NE | NE | 435000 | < 173 | < 189 | < 176 | < 175 | < 175 | < 170 | < 178 | < 174 | < 172 | < 184 | < 212 | < 189 |
| 4-Bromophenyl phenyl ether | µg/kg | NE | NE | NE | NE | NE | NE | < 343 | < 373 | < 347 | < 345 | < 347 | < 335 | < 352 | < 343 | < 340 | < 365 | < 420 | < 374 |
| Butyl benzyl phthalate | µg/kg | 100000 | NE | NE | NE | NE | 122000 | < 343 | < 373 | < 347 | < 345 | < 347 | < 335 | < 352 | < 343 | < 340 | < 365 | < 420 | < 374 |
| Carbazole | µg/kg | NE | NE | NE | NE | NE | NE | < 173 | < 189 | < 176 | < 175 | < 175 | < 170 | < 178 | < 174 | < 172 | < 184 | < 212 | < 189 |
| 4-Chloro-3-methylphenol | µg/kg | NE | NE | NE | NE | NE | NE | < 343 | < 373 | < 347 | < 345 | < 347 | < 335 | < 352 | < 343 | < 340 | < 365 | < 420 | < 374 |
| 4-Chloroaniline | µg/kg | 100000 | NE | NE | NE | NE | 220 | < 173 | < 189 | < 176 | < 175 | < 175 | < 170 | < 178 | < 174 | < 172 | < 184 | < 212 | < 189 |
| 2-Chloronaphthalene | µg/kg | NE | NE | NE | NE | NE | NE | < 343 | < 373 | < 347 | < 345 | < 347 | < 335 | < 352 | < 343 | < 340 | < 365 | < 420 | < 374 |
| 2-Chlorophenol | µg/kg | 100000 | NE | NE | NE | NE | NE | < 173 | < 189 | < 176 | < 175 | < 175 | < 170 | < 178 | < 174 | < 172 | < 184 | < 212 | < 189 |
| 4-Chlorophenyl phenyl ether | µg/kg | NE | NE | NE | NE | NE | NE | < 343 | < 373 | < 347 | < 345 | < 347 | < 335 | < 352 | < 343 | < 340 | < 365 | < 420 | < 374 |
| Chrysene | µg/kg | 1000 | 3900 | 56000 | 110000 | 1000 | 1000 | < 69.2 | < 75.4 | < 70.1 | < 69.7 | < 70.0 | < 67.7 | < 71.1 | < 69.4 | < 68.8 | < 73.7 | < 84.8 | < 75.6 |
| Dibenzo (a,h) anthracene | µg/kg | 330 | 330 | 560 | 1100 | 330 | 1000000 | < 69.2 | < 75.4 | < 70.1 | < 69.7 | < 70.0 | < 67.7 | < 71.1 | < 69.4 | < 68.8 | < 73.7 | < 84.8 | < 75.6 |
| Dibenzofuran | µg/kg | 14000 | 59000 | 350000 | 1000000 | 7000 | 6200 | < 173 | < 189 | < 176 | < 175 | < 175 | < 170 | < 178 | < 174 | < 172 | < 184 | < 212 | < 189 |
| 1,2-Dichlorobenzene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 1100 | NE | < 343 | < 373 | < 347 | < 345 | < 347 | < 335 | < 352 | < 343 | < 340 | < 365 | < 420 | < 374 |
| 1,3-Dichlorobenzene | µg/kg | 17000 | 49000 | 280000 | 560000 | 2400 | NE | < 343 | < 373 | < 347 | < 345 | < 347 | < 335 | < 352 | < 343 | < 340 | < 365 | < 420 | < 374 |
| 1,4-Dichlorobenzene | µg/kg | 9800 | 13000 | 130000 | 250000 | 1800 | NE | < 343 | < 373 | < 347 | < 345 | < 347 | < 335 | < 352 | < 343 | < 340 | < 365 | < 420 | < 374 |
| 3,3'-Dichlorobenzidine | µg/kg | NE | NE | NE | NE | NE | NE | < 343 | < 373 | < 347 | < 345 | < 347 | < 335 | < 352 | < 343 | < 340 | < 365 | < 420 | < 374 |
| 2,4-Dichlorophenol | µg/kg | 100000 | NE | NE | NE | NE | 400 | < 173 | < 189 | < 176 | < 175 | < 175 | < 170 | < 178 | < 174 | < 172 | < 184 | < 212 | < 189 |
| Diethyl phthalate | µg/kg | 100000 | NE | NE | NE | NE | 7100 | < 343 | < 373 | < 347 | < 345 | < 347 | < 335 | < 352 | < 343 | < 340 | < 365 | < 420 | < 374 |
| Dimethyl phthalate | µg/kg | 100000 | NE | NE | NE | NE | 27000 | < 343 | < 373 | < 347 | < 345 | < 347 | < 335 | < 352 | < 343 | < 340 | < 365 | < 420 | < 374 |
| 2,4-Dimethylphenol | µg/kg | NE | NE | NE | NE | NE | NE | < 343 | < 373 | < 347 | < 345 | < 347 | < 335 | < 352 | < 343 | < 340 | < 365 | < 420 | < 374 |
| Di-n-butyl phthalate | µg/kg | 100000 | NE | NE | NE | NE | 8100 | < 343 | < 373 | < 347 | < 345 | < 347 | < 335 | < 352 | < 343 | < 340 | < 365 | < 420 | < 374 |
| **Semi-Volatile Organic Compounds (SW846 8270D/8270E)** | | | | | | | | | | | | | | | | | | | |
| 4,6-Dinitro-2-methylphenol | µg/kg | NE | NE | NE | NE | NE | NE | < 343 | < 373 | < 347 | < 345 | < 347 | < 335 | < 352 | < 343 | < 340 | < 365 | < 420 | < 374 |
| 2,4-Dinitrophenol | µg/kg | 100000 | NE | NE | NE | NE | 200 | < 343 | < 373 | < 347 | < 345 | < 347 | < 335 | < 352 | < 343 | < 340 | < 365 | < 420 | < 374 |
| 2,4-Dinitrotoluene | µg/kg | NE | NE | NE | NE | NE | NE | < 173 | < 189 | < 176 | < 175 | < 175 | < 170 | < 178 | < 174 | < 172 | < 184 | < 212 | < 189 |
| 2,6-Dinitrotoluene | µg/kg | 1030 | NE | NE | NE | NE | 1000 | < 173 | < 189 | < 176 | < 175 | < 175 | < 170 | < 178 | < 174 | < 172 | < 184 | < 212 | < 189 |
| Di-n-octyl phthalate | µg/kg | 100000 | NE | NE | NE | NE | 120000 | < 343 | < 373 | < 347 | < 345 | < 347 | < 335 | < 352 | < 343 | < 340 | < 365 | < 420 | < 374 |
| Fluoranthene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 100000 | 1000000 | < 69.2 | < 75.4 | < 70.1 | < 69.7 | < 70.0 | < 67.7 | < 71.1 | < 69.4 | < 68.8 | < 73.7 | < 84.8 | < 75.6 |
| Fluorene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 30000 | 386000 | < 69.2 | < 75.4 | < 70.1 | < 69.7 | < 70.0 | < 67.7 | < 71.1 | < 69.4 | < 68.8 | < 73.7 | < 84.8 | < 75.6 |
| Hexachlorobenzene | µg/kg | 330/410 | 1200 | 6000 | 12000 | 330 | 1400 | < 173 | < 189 | < 176 | < 175 | < 175 | < 170 | < 178 | < 174 | < 172 | < 184 | < 212 | < 189 |
| Hexachlorobutadiene | µg/kg | NE | NE | NE | NE | NE | NE | < 173 | < 189 | < 176 | < 175 | < 175 | < 170 | < 178 | < 174 | < 172 | < 184 | < 212 | < 189 |
| Hexachlorocyclopentadiene | µg/kg | NE | NE | NE | NE | NE | NE | < 173 | < 189 | < 176 | < 175 | < 175 | < 170 | < 178 | < 174 | < 172 | < 184 | < 212 | < 189 |
| Hexachloroethane | µg/kg | NE | NE | NE | NE | NE | NE | < 173 | < 189 | < 176 | < 175 | < 175 | < 170 | < 178 | < 174 | < 172 | < 184 | < 212 | < 189 |
| Indeno (1,2,3-cd) pyrene | µg/kg | 500 | 500 | 5600 | 11000 | 500 | 8200 | < 69.2 | < 75.4 | < 70.1 | < 69.7 | < 70.0 | < 67.7 | < 71.1 | < 69.4 | < 68.8 | < 73.7 | < 84.8 | < 75.6 |
| Isophorone | µg/kg | 100000 | NE | NE | NE | NE | 4400 | < 173 | < 189 | < 176 | < 175 | < 175 | < 170 | < 178 | < 174 | < 172 | < 184 | < 212 | < 189 |
| 2-Methylnaphthalene | µg/kg | 410 | NE | NE | NE | NE | 36400 | < 69.2 | < 75.4 | < 70.1 | < 69.7 | < 70.0 | < 67.7 | < 71.1 | < 69.4 | < 68.8 | < 73.7 | < 84.8 | < 75.6 |
| 2-Methylphenol (o-Cresol) | µg/kg | 100000 | 100000 | 500000 | 1000000 | 330 | 330 | < 343 | < 373 | < 347 | < 345 | < 347 | < 335 | < 352 | < 343 | < 340 | < 365 | < 420 | < 374 |
| 3 & 4-Methylphenol | µg/kg | NE | NE | NE | NE | NE | NE | < 343 | < 373 | < 347 | < 345 | < 347 | < 335 | < 352 | < 343 | < 340 | < 365 | < 420 | < 374 |
| Naphthalene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 12000 | 12000 | < 69.2 | < 75.4 | < 70.1 | < 69.7 | < 70.0 | < 67.7 | < 71.1 | < 69.4 | < 68.8 | < 73.7 | < 84.8 | < 75.6 |

**Table 2-Composite Sample Results**
**South Fork Export Cable-LIRR**
**GZA Job No. 41.0162804.02**

| Lab ID: | | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | SC60331-17 | SC60331-13 | SC60331-09 | SC60331-10 | SC60359-04 | SC60345-08 | SC60345-12 | SC60359-07 | SC60359-08 | SC60313-04 | SC60313-10 | SC60313-13 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | UNITS | | | | | | | COMP-19 | COMP-20 | COMP-21 | | COMP-22 | COMP-23 | COMP-24 | COMP-25-1 | COMP-25-2 | COMP-26 | COMP-27 | COMP-28 |
| Matrix: | | | | | | | | Composite Soil | Composite Soil | Composite Soil | Composite Soil - BD | Composite Soil | Composite Soil | Composite Soil | Composite Soil | Composite Soil | Composite Soil | Composite Soil | Composite Soil |
| Sample Location: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | Protection of GW | SB-19A/SB-19B | SB-20A/SB-20B | SB-21A/SB-21B | SB-21A/SB-21B | SB-22A/SB-22B | SB-23A/SB-23B | SB-24A/SB-24B | SB-25A/SB-25B | SB-25A/SB-25B | SB-26A/SB-26B | SB-27A/SB-27B | SB-28A/SB-28B |
| Sample Depth: | | | | | | | | 0-5 ft | 0-5 ft | 0-12 ft | 0-12 ft | 0-5 ft | 0-5 ft | 0-5 ft | 0-5 ft | 0-5 ft | 0-12 ft | 0-5 ft | 0-12 feet |
| Sample Date: | | | | | | | | 12/23/2020 | 12/23/2020 | 12/23/2020 | 12/23/2020 | 12/29/2020 | 12/28/2020 | 12/28/2020 | 12/29/2020 | 12/29/2020 | 12/22/2020 | 12/22/2020 | 12/22/2020 |
| 2-Nitroaniline | µg/kg | NE | NE | NE | NE | NE | 400 | < 343 | < 373 | < 347 | < 345 | < 347 | < 335 | < 352 | < 343 | < 340 | < 365 | < 420 | < 374 |
| 3-Nitroaniline | µg/kg | NE | NE | NE | NE | NE | 500 | < 343 | < 373 | < 347 | < 345 | < 347 | < 335 | < 352 | < 343 | < 340 | < 365 | < 420 | < 374 |
| 4-Nitroaniline | µg/kg | NE | NE | NE | NE | NE | NE | < 173 | < 189 | < 176 | < 175 | < 175 | < 170 | < 178 | < 174 | < 172 | < 184 | < 212 | < 189 |
| Nitrobenzene | µg/kg | 3700 | 15000 | 69000 | 140000 | NE | 170 | < 173 | < 189 | < 176 | < 175 | < 175 | < 170 | < 178 | < 174 | < 172 | < 184 | < 212 | < 189 |
| 2-Nitrophenol | µg/kg | NE | NE | NE | NE | NE | 300 | < 173 | < 189 | < 176 | < 175 | < 175 | < 170 | < 178 | < 174 | < 172 | < 184 | < 212 | < 189 |
| 4-Nitrophenol | µg/kg | NE | NE | NE | NE | NE | 100 | < 343 | < 373 | < 347 | < 345 | < 347 | < 335 | < 352 | < 343 | < 340 | < 365 | < 420 | < 374 |
| N-Nitrosodimethylamine | µg/kg | NE | NE | NE | NE | NE | NE | < 173 | < 189 | < 176 | < 175 | < 175 | < 170 | < 178 | < 174 | < 172 | < 184 | < 212 | < 189 |
| N-Nitrosodi-n-propylamine | µg/kg | NE | NE | NE | NE | NE | NE | < 173 | < 189 | < 176 | < 175 | < 175 | < 170 | < 178 | < 174 | < 172 | < 184 | < 212 | < 189 |
| N-Nitrosodiphenylamine | µg/kg | NE | NE | NE | NE | NE | NE | < 343 | < 373 | < 347 | < 345 | < 347 | < 335 | < 352 | < 343 | < 340 | < 365 | < 420 | < 374 |
| Pentachlorophenol | µg/kg | 2400 | 6700 | 6700 | 55000 | 800 | 800 | < 343 | < 373 | < 347 | < 345 | < 347 | < 335 | < 352 | < 343 | < 340 | < 365 | < 420 | < 374 |
| Phenanthrene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 100000 | 1000000 | < 69.2 | < 75.4 | < 70.1 | < 69.7 | < 70.0 | < 67.7 | < 71.1 | < 69.4 | < 68.8 | < 73.7 | < 84.8 | < 75.6 |
| Phenol | µg/kg | 100000 | 100000 | 500000 | 1000000 | 330 | 330 | < 343 | < 373 | < 347 | < 345 | < 347 | < 335 | < 352 | < 343 | < 340 | < 365 | < 420 | < 374 |
| Pyrene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 100000 | 1000000 | < 69.2 | < 75.4 | < 70.1 | < 69.7 | < 70.0 | < 67.7 | < 71.1 | < 69.4 | < 68.8 | < 73.7 | < 84.8 | < 75.6 |
| Pyridine | µg/kg | NE | NE | NE | NE | NE | NE | < 343 | < 373 | < 347 | < 345 | < 347 | < 335 | < 352 | < 343 | < 340 | < 365 | < 420 | < 374 |
| 1,2,4-Trichlorobenzene | µg/kg | NE | NE | NE | NE | NE | 3400 | < 343 | < 373 | < 347 | < 345 | < 347 | < 335 | < 352 | < 343 | < 340 | < 365 | < 420 | < 374 |
| 1-Methylnaphthalene | µg/kg | NE | NE | NE | NE | NE | NE | < 69.2 | < 75.4 | < 70.1 | < 69.7 | < 70.0 | < 67.7 | < 71.1 | < 69.4 | < 68.8 | < 73.7 | < 84.8 | < 75.6 |
| 2,4,5-Trichlorophenol | µg/kg | 100000 | NE | NE | NE | NE | 100 | < 343 | < 373 | < 347 | < 345 | < 347 | < 335 | < 352 | < 343 | < 340 | < 365 | < 420 | < 374 |
| 2,4,6-Trichlorophenol | µg/kg | NE | NE | NE | NE | NE | NE | < 173 | < 189 | < 176 | < 175 | < 175 | < 170 | < 178 | < 174 | < 172 | < 184 | < 212 | < 189 |
| Pentachloronitrobenzene | µg/kg | NE | NE | NE | NE | NE | NE | < 343 | < 373 | < 347 | < 345 | < 347 | < 335 | < 352 | < 343 | < 340 | < 365 | < 420 | < 374 |
| 1,2,4,5-Tetrachlorobenzene | µg/kg | NE | NE | NE | NE | NE | NE | < 343 | < 373 | < 347 | < 345 | < 347 | < 335 | < 352 | < 343 | < 340 | < 365 | < 420 | < 374 |
| 1,4-Dioxane (by SW846 8270E SIM) | µg/kg | 9800 | 13000 | 130000 | 250000 | 100 | NE | NT | NT | <2.0 | NT | NT | NT | NT | NT | NT | <1.8 | NT | <1.7 |
| **Classical Chemistry** | | | | | | | | | | | | | | | | | | | |
| Total Cyanide | mg/kg | 27 | 27 | 27 | 10000 | 27 | 40 | < 0.22 | < 0.29 | < 0.29 | < 0.25 | < 0.25 | < 0.25 | < 0.23 | < 0.25 | < 0.25 | **2.4** | < 0.26 | < 0.22 |
| Reactive Cyanide | mg/kg | NE | NE | NE | NE | NE | NE | < 25.0 | < 25.0 | < 25.0 | < 25.0 | < 25.0 | < 25.0 | < 25.0 | < 25.0 | < 25.0 | < 25.0 | < 25.0 | < 25.0 |
| Reactive Sulfide | mg/kg | NE | NE | NE | NE | NE | NE | < 20.0 | < 20.0 | < 20.0 | < 20.0 | < 20.0 | < 20.0 | < 20.0 | < 20.0 | < 20.0 | < 20.0 | < 20.0 | < 20.0 |
| Corrosivity | SU | NE | NE | NE | NE | NE | NE | **6.2** | **6.1** | **6.1** | **6.2** | **5.4** | **5.4** | **5.4** | **5.6** | **5.5** | **6** | **5.7** | **6** |
| Free Liquid | N/A | NE | NE | NE | NE | NE | NE | **Negative** | **Negative** | **Negative** | **Negative** | **Negative** | **Negative** | **Negative** | **Negative** | **Negative** | **Positive** | **Negative** | **Negative** |
| Oxidation Reduction Potential | mV | NE | NE | NE | NE | NE | NE | **527** | **545** | **554** | **542** | **605** | **614** | **623** | **589** | **579** | **552** | **533** | **724** |
| Ignitability by Definition | N/A | NE | NE | NE | NE | NE | NE | **Negative** | **Negative** | **Negative** | **Negative** | **Negative** | **Negative** | **Negative** | **Negative** | **Negative** | **Negative** | **Negative** | **Negative** |

Notes
1. "<" indicates the parameter is not detected.
2."NE" indicates a standard for the parameter is not established.
3. "NT" indicates that the parameter was not tested for.
4. Bold values indicate the constituent was detected above the laboratory reporting limit. Yellow highlight indicates an exceedance of NYDEC's CP-51 Residential Use Cleanup Objective.
5. PCB criteria apply to total PCBs.
6. "BD" indicates the soil sample is a blind duplicate sample.

**Table 2-Composite Sample Results**
**South Fork Export Cable-LIRR**
**GZA Job No. 41.0162804.02**

| Lab ID: | | | | | | | SC60359-11 | SC60345-15 | SC60345-18 |
|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | UNITS | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | COMP-29 | COMP-30 | COMP-31 |
| Matrix: | | | | | | | Composite Soil | Composite Soil | Composite Soil |
| Sample Location: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | SB-29A/SB-29B | SB-30A/SB-30B | SB-31A/SB-31B |
| Sample Depth: | | | | | | | 0-5 ft | 0-5 ft | 0-5 ft |
| Sample Date: | | | | | | | 12/29/2020 | 12/28/2020 | 12/28/2020 |
| **Extractable Petroleum Hydrocarbons (NJDEP 3546)** | | | | | | | | | |
| C12-C16 Aliphatics | mg/kg | NE | NE | NE | NE | NE | < 2.6 | < 2.1 | < 2.4 |
| C16-C21 Aliphatics | mg/kg | NE | NE | NE | NE | NE | < 2.6 | < 2.1 | < 2.4 |
| C21-C40 Aliphatics | mg/kg | NE | NE | NE | NE | NE | < 2.6 | < 2.1 | < 2.4 |
| C9-C12 Aliphatics | mg/kg | NE | NE | NE | NE | NE | < 2.6 | < 2.1 | < 2.4 |
| Total Aliphatics | mg/kg | NE | NE | NE | NE | NE | < 2.0 | < 2.0 | < 2.0 |
| Total Aromatics | mg/kg | NE | NE | NE | NE | NE | < 2.0 | < 2.0 | < 2.0 |
| Total EPH | mg/kg | NE | NE | NE | NE | NE | < 2.0 | < 2.0 | < 2.0 |
| **TCLP Metals (SW846 1311/6010C/1311/7470A)** | | | | | | | | | |
| Arsenic | mg/L | NE | NE | NE | NE | NE | < 0.0300 | < 0.0200 | < 0.0200 |
| Cadmium | mg/L | NE | NE | NE | NE | NE | < 0.0050 | < 0.0050 | < 0.0050 |
| Chromium | mg/L | NE | NE | NE | NE | NE | **0.0172** | **0.0224** | **0.144** |
| Lead | mg/L | NE | NE | NE | NE | NE | **0.0199** | < 0.0300 | **0.231** |
| Selenium | mg/L | NE | NE | NE | NE | NE | < 0.0300 | < 0.0300 | < 0.0300 |
| Silver | mg/L | NE | NE | NE | NE | NE | < 0.0100 | < 0.0100 | < 0.0100 |
| Barium | mg/L | NE | NE | NE | NE | NE | < 0.100 | **0.109** | **0.405** |
| Mercury | mg/L | NE | NE | NE | NE | NE | < 0.00040 | < 0.00050 | < 0.00050 |
| **TCLP Pesticides (SW846 1311/8081B)** | | | | | | | | | |
| gamma-BHC (Lindane) | µg/L | NE | NE | NE | NE | NE | < 0.250 | < 0.250 | < 0.250 |
| Heptachlor | µg/L | NE | NE | NE | NE | NE | < 0.250 | < 0.250 | < 0.250 |
| Heptachlor epoxide | µg/L | NE | NE | NE | NE | NE | < 0.250 | < 0.250 | < 0.250 |
| Dieldrin | µg/L | NE | NE | NE | NE | NE | < 0.250 | < 0.250 | < 0.250 |
| 4,4'-DDE (p,p') | µg/L | NE | NE | NE | NE | NE | < 0.250 | < 0.250 | < 0.250 |
| Endrin | µg/L | NE | NE | NE | NE | NE | < 0.500 | < 0.500 | < 0.500 |
| 4,4'-DDD (p,p') | µg/L | NE | NE | NE | NE | NE | < 0.500 | < 0.500 | < 0.500 |
| 4,4'-DDT (p,p') | µg/L | NE | NE | NE | NE | NE | < 0.500 | < 0.500 | < 0.500 |
| Methoxychlor | µg/L | NE | NE | NE | NE | NE | < 0.500 | < 0.500 | < 0.500 |
| Endrin ketone | µg/L | NE | NE | NE | NE | NE | < 0.500 | < 0.500 | < 0.500 |
| Endrin aldehyde | µg/L | NE | NE | NE | NE | NE | < 0.500 | < 0.500 | < 0.500 |
| Toxaphene | µg/L | NE | NE | NE | NE | NE | < 5.00 | < 5.00 | < 5.00 |
| Chlordane | µg/L | NE | NE | NE | NE | NE | < 2.50 | < 2.50 | < 2.50 |
| **TCLP Semi-Volatile Organic Carbons (SW846 1311/8270D)** | | | | | | | | | |
| 1,4-Dichlorobenzene | µg/L | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 |
| 2,4-Dinitrotoluene | µg/L | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 |
| Hexachlorobenzene | µg/L | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 |
| Hexachlorobutadiene | µg/L | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 |
| Hexachloroethane | µg/L | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 |
| 2-Methylphenol | µg/L | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 |
| 3 & 4-Methylphenol | µg/L | NE | NE | NE | NE | NE | < 100 | < 100 | < 100 |
| Nitrobenzene | µg/L | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 |
| Pentachlorophenol | µg/L | NE | NE | NE | NE | NE | < 200 | < 200 | < 200 |
| Pyridine | µg/L | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 |
| 2,4,5-Trichlorophenol | µg/L | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 |
| 2,4,6-Trichlorophenol | µg/L | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 |
| **Metals (SW846 6010C/6010D/7196A/7471B)** | | | | | | | | | |
| Potassium | mg/kg | NE | NE | NE | NE | NE | **211** | **115** | **321** |
| Sodium | mg/kg | NE | NE | NE | NE | NE | < 80.0 | < 85.6 | < 88.1 |
| Manganese | mg/kg | 2000 | 2000 | 10000 | 10000 | 1600 | **51.9** | **17.7** | **72.4** |
| Aluminum | mg/kg | NE | NE | NE | NE | NE | **3,220** | **2,090** | **7,000** |
| Antimony | mg/kg | NE | NE | NE | NE | NE | < 5.33 | < 5.70 | < 5.87 |
| Arsenic | mg/kg | 16 | 16 | 16 | 16 | 13 | **3.22** | < 1.71 | **3.06** |
| Beryllium | mg/kg | 14 | 72 | 590 | 2700 | 7.2 | < 0.533 | < 0.570 | < 0.587 |
| Cadmium | mg/kg | 2.5 | 4.3 | 9.3 | 60 | 2.5 | < 0.533 | < 0.570 | < 0.587 |
| Calcium | mg/kg | NE | NE | NE | NE | NE | **87.2** | < 28.5 | **175** |
| Chromium | mg/kg | NE | NE | NE | NE | NE | **3.52** | **1.85** | **7.63** |
| Cobalt | mg/kg | 30 | NE | NE | NE | NE | **1.77** | < 1.14 | **2.17** |
| Copper | mg/kg | 270 | 270 | 270 | 10000 | 50 | **2.92** | **1.21** | **5.16** |
| Iron | mg/kg | 2000 | NE | NE | NE | NE | **4,480** | **1,990** | **7,300** |
| Lead | mg/kg | 400 | 400 | 1000 | 3900 | 63 | **2.05** | **1.77** | **4.77** |
| Magnesium | mg/kg | NE | NE | NE | NE | NE | **502** | **234** | **1230** |
| Nickel | mg/kg | 140 | 310 | 310 | 10000 | 30 | **2.52** | **1.62** | **4.88** |
| Selenium | mg/kg | 36 | 180 | 1500 | 6800 | 3.9 | < 1.60 | < 1.71 | < 1.76 |
| Silver | mg/kg | 36 | 180 | 1500 | 6800 | 2 | < 1.60 | < 1.71 | < 1.76 |
| Thallium | mg/kg | NE | NE | NE | NE | NE | < 3.20 | < 3.42 | < 3.52 |
| Vanadium | mg/kg | 100 | NE | NE | NE | NE | **7.65** | **3.33** | **14.9** |
| Zinc | mg/kg | 2200 | 10000 | 10000 | 10000 | 109 | **6.19** | < 3.42 | **13.7** |
| Barium | mg/kg | 350 | 400 | 400 | 10000 | 350 | **6.3** | **3.56** | **12.8** |
| Cr (VI) | mg/kg | 22 | 110 | 400 | 800 | 1 | < 2.6 | < 2.1 | < 2.4 |
| Trivalent Chromium | mg/kg | 36 | 180 | 1500 | 6800 | 30 | **3.52** | **1.85** | **7.63** |
| Mercury | mg/kg | 0.81 | 0.81 | 2.8 | 5.7 | 0.18 | < 0.0355 | < 0.0333 | < 0.0427 |
| **Pesticides (SW846 8081B)** | | | | | | | | | |
| alpha-BHC | µg/kg | 97 | 480 | 3400 | 6800 | 20 | < 5.39 | < 5.24 | < 5.98 |
| beta-BHC | µg/kg | 72 | 360 | 3000 | 14000 | 36 | < 5.39 | < 5.24 | < 5.98 |
| delta-BHC | µg/kg | 100000 | 100000 | 500000 | 1000000 | 40 | < 5.39 | < 5.24 | < 5.98 |
| gamma-BHC (Lindane) | µg/kg | 280 | 1300 | 9200 | 23000 | 100 | < 3.24 | < 3.14 | < 3.59 |
| Heptachlor | µg/kg | 420 | 2100 | 15000 | 29000 | 42 | < 5.39 | < 5.24 | < 5.98 |
| Aldrin | µg/kg | 19 | 97 | 680 | 1400 | 5 | < 5.39 | < 5.24 | < 5.98 |
| Heptachlor epoxide | µg/kg | 77 | NE | NE | NE | NE | < 5.39 | < 5.24 | < 5.98 |
| Endosulfan I | µg/kg | 4800 | 24000 | 200000 | 920000 | 2400 | < 5.39 | < 5.24 | < 5.98 |
| Dieldrin | µg/kg | 39 | 200 | 1400 | 2800 | 5 | < 5.39 | < 5.24 | < 5.98 |
| 4,4'-DDE (p,p') | µg/kg | 1800 | 8900 | 62000 | 120000 | 3.3 | < 5.39 | < 5.24 | < 5.98 |
| Endrin | µg/kg | 2200 | 11000 | 89000 | 410000 | 14 | < 8.63 | < 8.38 | < 9.57 |
| Endosulfan II | µg/kg | 4800 | 24000 | 200000 | 920000 | 2400 | < 8.63 | < 8.38 | < 9.57 |
| 4,4'-DDD (p,p') | µg/kg | 2600 | 13000 | 92000 | 180000 | 3.3 | < 8.63 | < 8.38 | < 9.57 |

**Table 2-Composite Sample Results**
**South Fork Export Cable-LIRR**
**GZA Job No. 41.0162804.02**

| Lab ID: | | | | | | | SC60359-11 | SC60345-15 | SC60345-18 |
|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | UNITS | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | COMP-29 | COMP-30 | COMP-31 |
| Matrix: | | | | | | | Composite Soil | Composite Soil | Composite Soil |
| Sample Location: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | SB-29A/SB-29B | SB-30A/SB-30B | SB-31A/SB-31B |
| Sample Depth: | | | | | | | 0-5 ft | 0-5 ft | 0-5 ft |
| Sample Date: | | | | | | | 12/29/2020 | 12/28/2020 | 12/28/2020 |
| Endosulfan sulfate | µg/kg | 4800 | 24000 | 200000 | 920000 | 2400 | < 8.63 | < 8.38 | < 9.57 |
| 4,4'-DDT (p,p') | µg/kg | 1700 | 7900 | 47000 | 94000 | 3.3 | < 8.63 | < 8.38 | < 9.57 |
| Methoxychlor | µg/kg | 100000 | NE | NE | NE | NE | < 8.63 | < 8.38 | < 9.57 |
| Endrin ketone | µg/kg | NE | NE | NE | NE | NE | < 8.63 | < 8.38 | < 9.57 |
| Endrin aldehyde | µg/kg | NE | NE | NE | NE | NE | < 8.63 | < 8.38 | < 9.57 |
| alpha-Chlordane | µg/kg | 910 | 4200 | 24000 | 47000 | 94 | < 5.39 | < 5.24 | < 5.98 |
| gamma-Chlordane | µg/kg | 540 | NE | NE | NE | NE | < 5.39 | < 5.24 | < 5.98 |
| Toxaphene | µg/kg | NE | NE | NE | NE | NE | < 108 | < 105 | < 120 |
| Chlordane | µg/kg | NE | NE | NE | NE | NE | < 21.6 | < 21.0 | < 23.9 |
| Alachlor | µg/kg | NE | NE | NE | NE | NE | < 5.39 | < 5.24 | < 5.98 |
| **Polychlorinated Biphenyls (SW846 8082A)** | | | | | | | | | |
| Aroclor-1016 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | < 21.6 | < 20.6 | < 23.9 |
| Aroclor-1221 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | < 21.6 | < 20.6 | < 23.9 |
| Aroclor-1232 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | < 21.6 | < 20.6 | < 23.9 |
| Aroclor-1242 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | < 21.6 | < 20.6 | < 23.9 |
| Aroclor-1248 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | < 21.6 | < 20.6 | < 23.9 |
| Aroclor-1254 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | < 21.6 | < 20.6 | < 23.9 |
| Aroclor-1260 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | < 21.6 | < 20.6 | < 23.9 |
| Aroclor-1262 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | < 21.6 | < 20.6 | < 23.9 |
| Aroclor-1268 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | < 21.6 | < 20.6 | < 23.9 |
| **Herbicides (SW846 8151A)** | | | | | | | | | |
| 2,4,5-T | µg/kg | 100000 | NE | NE | NE | NE | NT | NT | NT |
| 2,4-D | µg/kg | 100000 | NE | NE | NE | NE | NT | NT | NT |
| Silvex (2,4,5-TP) | µg/kg | 58000 | 100000 | 500000 | 1000000 | 3800 | NT | NT | NT |
| **TCLP Herbicides (SW846 8151A)** | | | | | | | | | |
| 2,4,5-T | mg/L | NE | NE | NE | NE | NE | < 0.083 | < 0.083 | < 0.083 |
| 2,4-D | mg/L | NE | NE | NE | NE | NE | < 0.083 | < 0.083 | < 0.083 |
| Silvex (2,4,5-TP) | mg/L | NE | NE | NE | NE | NE | < 0.083 | < 0.083 | < 0.083 |
| **Semi-Volatile Organic Compounds (SW846 8270D/8270E)** | | | | | | | | | |
| Acenaphthene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 20000 | < 72.6 | < 68.6 | < 78.4 |
| Acenaphthylene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 100000 | < 72.6 | < 68.6 | < 78.4 |
| Aniline | µg/kg | 48000 | 100000 | 500000 | 1000000 | NE | < 359 | < 340 | < 388 |
| Anthracene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 100000 | < 72.6 | < 68.6 | < 78.4 |
| Azobenzene/Diphenyldiazene | µg/kg | NE | NE | NE | NE | NE | < 359 | < 340 | < 388 |
| Benzidine | µg/kg | NE | NE | NE | NE | NE | < 719 | < 679 | < 776 |
| Benzo (a) anthracene | µg/kg | 1000 | 1000 | 5600 | 11000 | 1000 | < 72.6 | < 68.6 | < 78.4 |
| Benzo (a) pyrene | µg/kg | 1000 | 1000 | 1000 | 1100 | 1000 | < 72.6 | < 68.6 | < 78.4 |
| Benzo (b) fluoranthene | µg/kg | 1000 | 1000 | 5600 | 11000 | 1000 | < 72.6 | < 68.6 | < 78.4 |
| Benzo (g,h,i) perylene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 100000 | < 72.6 | < 68.6 | < 78.4 |
| Benzo (k) fluoranthene | µg/kg | 1000 | 3900 | 56000 | 110000 | 800 | < 72.6 | < 68.6 | < 78.4 |
| Benzoic acid | µg/kg | 100000 | NE | NE | NE | NE | < 359 | < 340 | < 388 |
| Benzyl alcohol | µg/kg | NE | NE | NE | NE | NE | < 359 | < 340 | < 388 |
| Bis(2-chloroethoxy)methane | µg/kg | NE | NE | NE | NE | NE | < 359 | < 340 | < 388 |
| Bis(2-chloroethyl)ether | µg/kg | NE | NE | NE | NE | NE | < 182 | < 172 | < 196 |
| Bis(2-chloroisopropyl)ether | µg/kg | NE | NE | NE | NE | NE | < 182 | < 172 | < 196 |
| Bis(2-ethylhexyl)phthalate | µg/kg | 50000 | NE | NE | NE | NE | < 182 | < 172 | < 196 |
| 4-Bromophenyl phenyl ether | µg/kg | NE | NE | NE | NE | NE | < 359 | < 340 | < 388 |
| Butyl benzyl phthalate | µg/kg | 100000 | NE | NE | NE | NE | < 359 | < 340 | < 388 |
| Carbazole | µg/kg | NE | NE | NE | NE | NE | < 182 | < 172 | < 196 |
| 4-Chloro-3-methylphenol | µg/kg | NE | NE | NE | NE | NE | < 359 | < 340 | < 388 |
| 4-Chloroaniline | µg/kg | 100000 | NE | NE | NE | NE | < 182 | < 172 | < 196 |
| 2-Chloronaphthalene | µg/kg | NE | NE | NE | NE | NE | < 359 | < 340 | < 388 |
| 2-Chlorophenol | µg/kg | 100000 | NE | NE | NE | NE | < 182 | < 172 | < 196 |
| 4-Chlorophenyl phenyl ether | µg/kg | NE | NE | NE | NE | NE | < 359 | < 340 | < 388 |
| Chrysene | µg/kg | 1000 | 3900 | 56000 | 110000 | 1000 | < 72.6 | < 68.6 | < 78.4 |
| Dibenzo (a,h) anthracene | µg/kg | 330 | 330 | 560 | 1100 | 330 | < 72.6 | < 68.6 | < 78.4 |
| Dibenzofuran | µg/kg | 14000 | 59000 | 350000 | 1000000 | 7000 | < 182 | < 172 | < 196 |
| 1,2-Dichlorobenzene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 1100 | < 359 | < 340 | < 388 |
| 1,3-Dichlorobenzene | µg/kg | 17000 | 49000 | 280000 | 560000 | 2400 | < 359 | < 340 | < 388 |
| 1,4-Dichlorobenzene | µg/kg | 9800 | 13000 | 130000 | 250000 | 1800 | < 359 | < 340 | < 388 |
| 3,3´-Dichlorobenzidine | µg/kg | NE | NE | NE | NE | NE | < 359 | < 340 | < 388 |
| 2,4-Dichlorophenol | µg/kg | 100000 | NE | NE | NE | NE | < 182 | < 172 | < 196 |
| Diethyl phthalate | µg/kg | 100000 | NE | NE | NE | NE | < 359 | < 340 | < 388 |
| Dimethyl phthalate | µg/kg | 100000 | NE | NE | NE | NE | < 359 | < 340 | < 388 |
| 2,4-Dimethylphenol | µg/kg | NE | NE | NE | NE | NE | < 359 | < 340 | < 388 |
| Di-n-butyl phthalate | µg/kg | 100000 | NE | NE | NE | NE | < 359 | < 340 | < 388 |
| **Semi-Volatile Organic Compounds (SW846 8270D/8270E)** | | | | | | | | | |
| 4,6-Dinitro-2-methylphenol | µg/kg | NE | NE | NE | NE | NE | < 359 | < 340 | < 388 |
| 2,4-Dinitrophenol | µg/kg | 100000 | NE | NE | NE | NE | < 359 | < 340 | < 388 |
| 2,4-Dinitrotoluene | µg/kg | NE | NE | NE | NE | NE | < 182 | < 172 | < 196 |
| 2,6-Dinitrotoluene | µg/kg | 1030 | NE | NE | NE | NE | < 182 | < 172 | < 196 |
| Di-n-octyl phthalate | µg/kg | 100000 | NE | NE | NE | NE | < 359 | < 340 | < 388 |
| Fluoranthene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 100000 | < 72.6 | < 68.6 | < 78.4 |
| Fluorene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 30000 | < 72.6 | < 68.6 | < 78.4 |
| Hexachlorobenzene | µg/kg | 330/410 | 1200 | 6000 | 12000 | 330 | < 182 | < 172 | < 196 |
| Hexachlorobutadiene | µg/kg | NE | NE | NE | NE | NE | < 182 | < 172 | < 196 |
| Hexachlorocyclopentadiene | µg/kg | NE | NE | NE | NE | NE | < 182 | < 172 | < 196 |
| Hexachloroethane | µg/kg | NE | NE | NE | NE | NE | < 182 | < 172 | < 196 |
| Indeno (1,2,3-cd) pyrene | µg/kg | 500 | 500 | 5600 | 11000 | 500 | < 72.6 | < 68.6 | < 78.4 |
| Isophorone | µg/kg | 100000 | NE | NE | NE | NE | < 182 | < 172 | < 196 |
| 2-Methylnaphthalene | µg/kg | 410 | NE | NE | NE | NE | < 72.6 | < 68.6 | < 78.4 |
| 2-Methylphenol (o-Cresol) | µg/kg | 100000 | 100000 | 500000 | 1000000 | 330 | < 359 | < 340 | < 388 |
| 3 & 4-Methylphenol | µg/kg | NE | NE | NE | NE | NE | < 359 | < 340 | < 388 |
| Naphthalene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 12000 | < 72.6 | < 68.6 | < 78.4 |

**Table 2-Composite Sample Results**
**South Fork Export Cable-LIRR**
**GZA Job No. 41.0162804.02**

| Lab ID: | | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | SC60359-11 | SC60345-15 | SC60345-18 |
|---|---|---|---|---|---|---|---|---|---|
| **PARAMETERS** | **UNITS** | | | | | | **COMP-29** | **COMP-30** | **COMP-31** |
| **Matrix:** | | | | | | | **Composite Soil** | **Composite Soil** | **Composite Soil** |
| **Sample Location:** | | **Residential** | **Restricted Residential** | **Commercial** | **Industrial** | **Unrestricted** | **SB-29A/SB-29B** | **SB-30A/SB-30B** | **SB-31A/SB-31B** |
| **Sample Depth:** | | | | | | | **0-5 ft** | **0-5 ft** | **0-5 ft** |
| **Sample Date:** | | | | | | | **12/29/2020** | **12/28/2020** | **12/28/2020** |
| 2-Nitroaniline | µg/kg | NE | NE | NE | NE | NE | < 359 | < 340 | < 388 |
| 3-Nitroaniline | µg/kg | NE | NE | NE | NE | NE | < 359 | < 340 | < 388 |
| 4-Nitroaniline | µg/kg | NE | NE | NE | NE | NE | < 182 | < 172 | < 196 |
| Nitrobenzene | µg/kg | 3700 | 15000 | 69000 | 140000 | NE | < 182 | < 172 | < 196 |
| 2-Nitrophenol | µg/kg | NE | NE | NE | NE | NE | < 182 | < 172 | < 196 |
| 4-Nitrophenol | µg/kg | NE | NE | NE | NE | NE | < 359 | < 340 | < 388 |
| N-Nitrosodimethylamine | µg/kg | NE | NE | NE | NE | NE | < 182 | < 172 | < 196 |
| N-Nitrosodi-n-propylamine | µg/kg | NE | NE | NE | NE | NE | < 182 | < 172 | < 196 |
| N-Nitrosodiphenylamine | µg/kg | NE | NE | NE | NE | NE | < 359 | < 340 | < 388 |
| Pentachlorophenol | µg/kg | 2400 | 6700 | 6700 | 55000 | 800 | < 359 | < 340 | < 388 |
| Phenanthrene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 100000 | < 72.6 | < 68.6 | < 78.4 |
| Phenol | µg/kg | 100000 | 100000 | 500000 | 1000000 | 330 | < 359 | < 340 | < 388 |
| Pyrene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 100000 | < 72.6 | < 68.6 | < 78.4 |
| Pyridine | µg/kg | NE | NE | NE | NE | NE | < 359 | < 340 | < 388 |
| 1,2,4-Trichlorobenzene | µg/kg | NE | NE | NE | NE | NE | < 359 | < 340 | < 388 |
| 1-Methylnaphthalene | µg/kg | NE | NE | NE | NE | NE | < 72.6 | < 68.6 | < 78.4 |
| 2,4,5-Trichlorophenol | µg/kg | 100000 | NE | NE | NE | NE | < 359 | < 340 | < 388 |
| 2,4,6-Trichlorophenol | µg/kg | NE | NE | NE | NE | NE | < 182 | < 172 | < 196 |
| Pentachloronitrobenzene | µg/kg | NE | NE | NE | NE | NE | < 359 | < 340 | < 388 |
| 1,2,4,5-Tetrachlorobenzene | µg/kg | NE | NE | NE | NE | NE | < 359 | < 340 | < 388 |
| 1,4-Dioxane (by SW846 8270E SIM) | µg/kg | 9800 | 13000 | 130000 | 250000 | 100 | NT | NT | NT |
| **Classical Chemistry** | | | | | | | | | |
| Total Cyanide | mg/kg | 27 | 27 | 27 | 10000 | 27 | < 0.31 | < 0.25 | < 0.28 |
| Reactive Cyanide | mg/kg | NE | NE | NE | NE | NE | < 25.0 | < 25.0 | < 25.0 |
| Reactive Sulfide | mg/kg | NE | NE | NE | NE | NE | < 20.0 | < 20.0 | < 20.0 |
| Corrosivity | SU | NE | NE | NE | NE | NE | **5.2** | **5.4** | **4.9** |
| Free Liquid | N/A | NE | NE | NE | NE | NE | **Negative** | **Negative** | **Negative** |
| Oxidation Reduction Potential | mV | NE | NE | NE | NE | NE | **588** | **583** | **628** |
| Ignitability by Definition | N/A | NE | NE | NE | NE | NE | **Negative** | **Negative** | **Negative** |

Notes
1. "<" indicates the parameter is not detected.
2."NE" indicates a standard for the parameter is not established.
3. "NT" indicates that the parameter was not tested for.
4. Bold values indicate the constituent was detected above the laboratory reporting limit. Yellow highlight indicates an exceedance of NYDEC's CP-51 Residential Use Cleanup
5. PCB criteria apply to total PCBs.
6. "BD" indicates the soil sample is a blind duplicate sample.

**Table 3-PFAS Results**
**South Fork Export Cable-LIRR**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | NYDEC 6 NYCRR Part 375 PFAS Guidance Values | NYDEC 6 NYCRR Part 375 PFAS Guidance Values | NYDEC 6 NYCRR Part 375 PFAS Guidance Values | NYDEC 6 NYCRR Part 375 PFAS Guidance Values | NYDEC 6 NYCRR Part 375 PFAS Guidance Values | NYDEC 6 NYCRR Part 375 PFAS Guidance Values | SC60331-16 | SC60331-15 | SC60331-12 |
|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | | | | | | | | SB-19A | SB-19B-2 | SB-20A |
| Matrix: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | Protection of Groundwater | Grab Soil | Grab Soil | Grab Soil |
| Sample Depth: | | | | | | | | 3 ft | 4 ft | 3 ft |
| Sample Date: | | | | | | | | 12/23/2020 | 12/23/2020 | 12/23/2020 |
| **PFAS (EPA PFC_IDA)** | | | | | | | | | | |
| 1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2) | µg/kg | NE | NE | NE | NE | NE | NE | < 0.031 | < 0.030 | < 0.030 |
| 1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2) | µg/kg | NE | NE | NE | NE | NE | NE | < 0.023 | < 0.023 | < 0.023 |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtF | µg/kg | NE | NE | NE | NE | NE | NE | < 0.032 | < 0.031 | < 0.031 |
| N-methylperfluorooctanesulfonamidoacetic acid (NMe | µg/kg | NE | NE | NE | NE | NE | NE | < 0.036 | < 0.036 | < 0.036 |
| Perfluorobutanesulfonic acid (PFBS) | µg/kg | NE | NE | NE | NE | NE | NE | **0.012 J, B** | < 0.0092 | **0.13 J, B** |
| Perfluorobutanoic acid (PFBA) | µg/kg | NE | NE | NE | NE | NE | NE | < 0.20 | < 0.20 | < 0.20 |
| Perfluorodecanesulfonic acid (PFDS) | µg/kg | NE | NE | NE | NE | NE | NE | < 0.020 | < 0.020 | < 0.020 |
| Perfluorodecanoic acid (PFDA) | µg/kg | NE | NE | NE | NE | NE | NE | < 0.022 | < 0.022 | < 0.022 |
| Perfluorododecanoic acid (PFDoA) | µg/kg | NE | NE | NE | NE | NE | NE | < 0.016 | < 0.016 | < 0.016 |
| Perfluoroheptanesulfonic Acid (PFHpS) | µg/kg | NE | NE | NE | NE | NE | NE | < 0.016 | < 0.016 | < 0.016 |
| Perfluoroheptanoic acid (PFHpA) | µg/kg | NE | NE | NE | NE | NE | NE | **0.025 J** | **0.03 J** | **0.08 J** |
| Perfluorohexanesulfonic acid (PFHxS) | µg/kg | NE | NE | NE | NE | NE | NE | **0.027 J, B** | **0.02 J B** | **0.17 J, B** |
| Perfluorohexanoic acid (PFHxA) | µg/kg | NE | NE | NE | NE | NE | NE | **0.033 J** | **0.03 J** | **0.067 J** |
| Perfluorononanoic acid (PFNA) | µg/kg | NE | NE | NE | NE | NE | NE | **0.055 J** | **0.049 J** | < 0.021 |
| Perfluorooctanesulfonamide (PFOSA) | µg/kg | NE | NE | NE | NE | NE | NE | < 0.0093 | < 0.0092 | < 0.0092 |
| Perfluorooctanesulfonic acid (PFOS) | µg/kg | 8.8 | 44 | 440 | 440 | 0.88 | 3.7 | **0.14 J** | **0.2 J** | **0.096 J** |
| Perfluorooctanoic acid (PFOA) | µg/kg | 6.6 | 33 | 500 | 600 | 0.66 | 1.1 | **0.14 J, B** | **0.2 J, B** | **0.24 B** |
| Perfluoropentanoic acid (PFPeA) | µg/kg | NE | NE | NE | NE | NE | NE | < 0.019 | < 0.019 | **0.026 J** |
| Perfluorotetradecanoic acid (PFTeA) | µg/kg | NE | NE | NE | NE | NE | NE | < 0.020 | < 0.020 | < 0.020 |
| Perfluorotridecanoic acid (PFTriA) | µg/kg | NE | NE | NE | NE | NE | NE | < 0.014 | < 0.014 | < 0.014 |
| Perfluoroundecanoic acid (PFUnA) | µg/kg | NE | NE | NE | NE | NE | NE | < 0.025 | < 0.025 | < 0.025 |

Notes
1. "<" indicates the parameter is not detected.
2. Bold values indicate the consituent was detected above the laboratory reporting limit.
3. "J" indicates the result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
4. "BD" indicates the soil sample is a blind duplicate sample.
5. "NE" indicates a standard for the parameter is not established.
6. "B" indicates the compound was detected in the method blank.

**Table 3-PFAS Results**
**South Fork Export Cable-LIRR**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | NYDEC 6 NYCRR Part 375 PFAS Guidance Values | NYDEC 6 NYCRR Part 375 PFAS Guidance Values | NYDEC 6 NYCRR Part 375 PFAS Guidance Values | NYDEC 6 NYCRR Part 375 PFAS Guidance Values | NYDEC 6 NYCRR Part 375 PFAS Guidance Values | SC60331-01 | SC60331-02 | SC60331-08 | SC60345-07 | SC60345-09 | SC60345-14 | SC60345-17 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | | | | | | | SB-21A-1 | | SB-21B | SB23B | SB24A | SB30B | SB31B |
| Matrix: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | Grab Soil | Grab Soil - BD | Grab Soil | Grab Soil | Soil | Soil | Soil |
| Sample Depth: | | | | | | | 6 ft | 6 ft | 4 ft | 3 ft | 3 ft | 3 ft | 3 ft |
| Sample Date: | | | | | | | 12/23/2020 | 12/23/2020 | 12/23/2020 | 12/28/2020 | 12/28/2020 | 12/28/2020 | 12/28/2020 |
| **PFAS (EPA PFC_IDA)** | | | | | | | | | | | | | |
| 1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2) | µg/kg | NE | NE | NE | NE | NE | < 2.14 | < 2.15 | < 2.08 | < 2.02 | < 2.12 | < 1.96 | < 2.26 |
| 1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2) | µg/kg | NE | NE | NE | NE | NE | < 2.14 | < 2.15 | < 2.08 | < 2.02 | < 2.12 | < 1.96 | < 2.26 |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtF | µg/kg | NE | NE | NE | NE | NE | < 2.14 | < 2.15 | < 2.08 | **0.030 J** | < 2.12 | < 1.96 | < 2.26 |
| N-methylperfluorooctanesulfonamidoacetic acid (NMe | µg/kg | NE | NE | NE | NE | NE | < 2.14 | < 2.15 | < 2.08 | < 2.02 | < 2.12 | < 1.96 | < 2.26 |
| Perfluorobutanesulfonic acid (PFBS) | µg/kg | NE | NE | NE | NE | NE | **0.014 J, B** | < 0.22 | **0.013 J, B** | < 0.20 | < 0.21 | < 0.20 | < 0.23 |
| Perfluorobutanoic acid (PFBA) | µg/kg | NE | NE | NE | NE | NE | **0.26 J** | < 0.54 | < 0.52 | < 0.50 | < 0.53 | < 0.49 | < 0.57 |
| Perfluorodecanesulfonic acid (PFDS) | µg/kg | NE | NE | NE | NE | NE | < 0.21 | < 0.22 | < 0.21 | < 0.20 | < 0.21 | < 0.20 | < 0.23 |
| Perfluorodecanoic acid (PFDA) | µg/kg | NE | NE | NE | NE | NE | < 0.21 | < 0.22 | < 0.21 | < 0.20 | < 0.21 | < 0.20 | < 0.23 |
| Perfluorododecanoic acid (PFDoA) | µg/kg | NE | NE | NE | NE | NE | < 0.21 | < 0.22 | < 0.21 | < 0.20 | < 0.21 | < 0.20 | < 0.23 |
| Perfluoroheptanesulfonic Acid (PFHpS) | µg/kg | NE | NE | NE | NE | NE | < 0.21 | < 0.22 | < 0.21 | < 0.20 | < 0.21 | < 0.20 | < 0.23 |
| Perfluoroheptanoic acid (PFHpA) | µg/kg | NE | NE | NE | NE | NE | **0.24** | **0.047 J** | **0.043 J** | < 0.20 | < 0.21 | < 0.20 | < 0.23 |
| Perfluorohexanesulfonic acid (PFHxS) | µg/kg | NE | NE | NE | NE | NE | **0.021 J, B** | **0.017 J, B** | **0.021 J, B** | < 0.20 | < 0.21 | < 0.20 | < 0.23 |
| Perfluorohexanoic acid (PFHxA) | µg/kg | NE | NE | NE | NE | NE | **0.17 J** | < 0.22 | **0.040 J** | < 0.20 | < 0.21 | < 0.20 | < 0.23 |
| Perfluorononanoic acid (PFNA) | µg/kg | NE | NE | NE | NE | NE | < 0.21 | < 0.22 | **0.057 J** | < 0.20 | < 0.21 | < 0.20 | < 0.23 |
| Perfluorooctanesulfonamide (PFOSA) | µg/kg | NE | NE | NE | NE | NE | < 0.21 | < 0.22 | < 0.21 | < 0.20 | < 0.21 | < 0.20 | < 0.23 |
| Perfluorooctanesulfonic acid (PFOS) | µg/kg | 8.8 | 44 | 440 | 440 | 0.88 | **0.11 J** | < 0.22 | **0.14 J** | **0.094 J** | < 0.21 | < 0.20 | **0.086 J** |
| Perfluorooctanoic acid (PFOA) | µg/kg | 6.6 | 33 | 500 | 600 | 0.66 | **0.53 B** | **0.10 J, B** | **0.18 J B** | **0.017 J, B** | < 0.21 | **0.014 J, B** | < 0.23 |
| Perfluoropentanoic acid (PFPeA) | µg/kg | NE | NE | NE | NE | NE | **0.13 J** | < 0.22 | **0.037 J** | < 0.20 | < 0.21 | **0.022 J** | < 0.23 |
| Perfluorotetradecanoic acid (PFTeA) | µg/kg | NE | NE | NE | NE | NE | < 0.21 | < 0.22 | < 0.21 | < 0.20 | < 0.21 | < 0.20 | < 0.23 |
| Perfluorotridecanoic acid (PFTriA) | µg/kg | NE | NE | NE | NE | NE | < 0.21 | < 0.22 | < 0.21 | < 0.20 | < 0.21 | < 0.20 | < 0.23 |
| Perfluoroundecanoic acid (PFUnA) | µg/kg | NE | NE | NE | NE | NE | < 0.21 | < 0.22 | < 0.21 | < 0.20 | < 0.21 | < 0.20 | < 0.23 |

Notes
1. "<" indicates the parameter is not detected.
2. Bold values indicate the consituent was detected above the laboratory reporting limit.
3. "J" indicates the result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
4. "BD" indicates the soil sample is a blind duplicate sample.
5. "NE" indicates a standard for the parameter is not established.
6. "B" indicates the compound was detected in the method blank.

**Table 4-QAQC Results**
**South Fork Export Cable-LIRR**
**GZA Job No. 41.0162804.02**

| Lab ID: | | SC60331-05 | SC60331-06 | SC60345-03 | SC60345-04 | SC60346-01 | SC60331-07 | SC60345-02 |
|---|---|---|---|---|---|---|---|---|
| PARAMETERS | UNITS | EB122320A (from Hand Auger) | EB122320B (from Stainless Steel Bowl) | EB122820A (from Hand Auger) | EB122820B (from Stainless Steel Bowl) | EB (from Stainless Steel Bowl) | FB122320 | FB122820 |
| Matrix: | | PFAS Free Water | PFAS Free Water | PFAS Free Water | PFAS Free Water | PFAS Free Water | PFAS Free Water | PFAS Free Water |
| Sample Date: | | 12/23/2020 | 12/23/2020 | 12/28/2020 | 12/28/2020 | 12/29/2020 | 12/23/2020 | 12/28/2020 |
| **Volatile Organic Compounds (SW846 8260D)** | | | | | | | | |
| 1,1,1-Trichloroethane | µg/L | NT | NT | NT | NT | < 1.00 | NT | NT |
| 1,1,2,2-Tetrachloroethane | µg/L | NT | NT | NT | NT | < 10.0 | NT | NT |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon) | µg/L | NT | NT | NT | NT | < 1.00 | NT | NT |
| 1,1,2-Trichloroethane | µg/L | NT | NT | NT | NT | < 1.00 | NT | NT |
| 1,1-Dichloroethane | µg/L | NT | NT | NT | NT | < 0.50 | NT | NT |
| 1,1-Dichloroethene | µg/L | NT | NT | NT | NT | < 1.00 | NT | NT |
| 1,2,3-Trichlorobenzene | µg/L | NT | NT | NT | NT | < 2.00 | NT | NT |
| 1,2,4-Trichlorobenzene | µg/L | NT | NT | NT | NT | < 2.00 | NT | NT |
| 1,2,4-Trimethylbenzene | µg/L | NT | NT | NT | NT | < 1.00 | NT | NT |
| 1,2-Dibromo-3-Chloropropane | µg/L | NT | NT | NT | NT | < 1.00 | NT | NT |
| 1,2-Dichlorobenzene | µg/L | NT | NT | NT | NT | < 1.00 | NT | NT |
| 1,2-Dichloroethane | µg/L | NT | NT | NT | NT | < 2.00 | NT | NT |
| 1,2-Dichloropropane | µg/L | NT | NT | NT | NT | < 1.00 | NT | NT |
| 1,3,5-Trimethylbenzene | µg/L | NT | NT | NT | NT | < 1.00 | NT | NT |
| 1,3-Dichlorobenzene | µg/L | NT | NT | NT | NT | < 2.00 | NT | NT |
| 1,4-Dichlorobenzene | µg/L | NT | NT | NT | NT | < 1.00 | NT | NT |
| 1,4-Dioxane | µg/L | NT | NT | NT | NT | < 2.00 | NT | NT |
| 2-Butanone (MEK) | µg/L | NT | NT | NT | NT | < 2.00 | NT | NT |
| 2-Hexanone | µg/L | NT | NT | NT | NT | < 0.50 | NT | NT |
| 4-Isopropyltoluene | µg/L | NT | NT | NT | NT | < 0.50 | NT | NT |
| 4-Methyl-2-pentanone (MIBK) | µg/L | NT | NT | NT | NT | < 1.00 | NT | NT |
| Acetone | µg/L | NT | NT | NT | NT | < 1.00 | NT | NT |
| Benzene | µg/L | NT | NT | NT | NT | < 1.00 | NT | NT |
| Bromoform | µg/L | NT | NT | NT | NT | < 2.00 | NT | NT |
| Bromomethane | µg/L | NT | NT | NT | NT | < 1.00 | NT | NT |
| Carbon disulfide | µg/L | NT | NT | NT | NT | < 1.00 | NT | NT |
| Carbon tetrachloride | µg/L | NT | NT | NT | NT | < 1.00 | NT | NT |
| Chlorobenzene | µg/L | NT | NT | NT | NT | < 1.00 | NT | NT |
| Chlorobromomethane | µg/L | NT | NT | NT | NT | < 1.00 | NT | NT |
| Chlorodibromomethane | µg/L | NT | NT | NT | NT | < 1.00 | NT | NT |
| Chloroethane | µg/L | NT | NT | NT | NT | < 0.50 | NT | NT |
| Chloroform | µg/L | NT | NT | NT | NT | < 0.50 | NT | NT |
| Chloromethane | µg/L | NT | NT | NT | NT | < 1.00 | NT | NT |
| cis-1,2-Dichloroethene | µg/L | NT | NT | NT | NT | < 2.00 | NT | NT |
| cis-1,3-Dichloropropene | µg/L | NT | NT | NT | NT | < 1.00 | NT | NT |
| Cyclohexane | µg/L | NT | NT | NT | NT | < 1.00 | NT | NT |
| Dichlorobromomethane | µg/L | NT | NT | NT | NT | < 1.00 | NT | NT |
| Dichlorodifluoromethane | µg/L | NT | NT | NT | NT | < 2.00 | NT | NT |
| Ethylbenzene | µg/L | NT | NT | NT | NT | < 2.00 | NT | NT |
| Ethylene Dibromide (1,2-Dibromoethane, EDB) | µg/L | NT | NT | NT | NT | < 2.00 | NT | NT |
| Isopropylbenzene | µg/L | NT | NT | NT | NT | < 1.00 | NT | NT |
| Methyl acetate | µg/L | NT | NT | NT | NT | < 1.00 | NT | NT |
| Methyl tert-butyl ether | µg/L | NT | NT | NT | NT | < 0.50 | NT | NT |
| Methylcyclohexane | µg/L | NT | NT | NT | NT | < 1.00 | NT | NT |
| Methylene Chloride | µg/L | NT | NT | NT | NT | < 1.00 | NT | NT |
| m-Xylene & p-Xylene | µg/L | NT | NT | NT | NT | < 1.00 | NT | NT |
| Naphthalene | µg/L | NT | NT | NT | NT | < 1.00 | NT | NT |
| n-Butylbenzene | µg/L | NT | NT | NT | NT | < 1.00 | NT | NT |
| N-Propylbenzene | µg/L | NT | NT | NT | NT | < 1.00 | NT | NT |

**Table 4-QAQC Results**
**South Fork Export Cable-LIRR**
**GZA Job No. 41.0162804.02**

| Lab ID: | | SC60331-05 | SC60331-06 | SC60345-03 | SC60345-04 | SC60346-01 | SC60331-07 | SC60345-02 |
|---|---|---|---|---|---|---|---|---|
| PARAMETERS | UNITS | EB122320A (from Hand Auger) | EB122320B (from Stainless Steel Bowl) | EB122820A (from Hand Auger) | EB122820B (from Stainless Steel Bowl) | EB (from Stainless Steel Bowl) | FB122320 | FB122820 |
| Matrix: | | PFAS Free Water | PFAS Free Water | PFAS Free Water | PFAS Free Water | PFAS Free Water | PFAS Free Water | PFAS Free Water |
| Sample Date: | | 12/23/2020 | 12/23/2020 | 12/28/2020 | 12/28/2020 | 12/29/2020 | 12/23/2020 | 12/28/2020 |
| **Volatile Organic Compounds (SW846 8260D)** | | | | | | | | |
| o-Xylene | µg/L | NT | NT | NT | NT | < 1.00 | NT | NT |
| sec-Butylbenzene | µg/L | NT | NT | NT | NT | < 1.00 | NT | NT |
| Styrene | µg/L | NT | NT | NT | NT | < 1.00 | NT | NT |
| tert-Butylbenzene | µg/L | NT | NT | NT | NT | < 1.00 | NT | NT |
| Tetrachloroethene | µg/L | NT | NT | NT | NT | < 1.00 | NT | NT |
| Toluene | µg/L | NT | NT | NT | NT | < 2.00 | NT | NT |
| trans-1,2-Dichloroethene | µg/L | NT | NT | NT | NT | < 1.00 | NT | NT |
| trans-1,3-Dichloropropene | µg/L | NT | NT | NT | NT | < 50.0 | NT | NT |
| Trichloroethene | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| Trichlorofluoromethane | µg/L | NT | NT | NT | NT | < 10.0 | NT | NT |
| Vinyl chloride | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| Xylenes, Total | µg/L | NT | NT | NT | NT | NT | NT | NT |
| **Extractable Petroleum Hydrocarbons (MADEP 5/2004 R)** | | | | | | | | |
| C9-C18 Aliphatic Hydrocarbons | µg/L | NT | NT | NT | NT | < 100 | NT | NT |
| C19-C36 Aliphatic Hydrocarbons | µg/L | NT | NT | NT | NT | < 100 | NT | NT |
| C11-C22 Aromatic Hydrocarbons | µg/L | NT | NT | NT | NT | < 100 | NT | NT |
| Unadjusted C11-C22 Aromatic Hydrocarbons | µg/L | NT | NT | NT | NT | < 100 | NT | NT |
| **Metals (SW846 6010C/6010D/7196A/7471B)** | | | | | | | | |
| Potassium | mg/L | NT | NT | NT | NT | < 1.00 | NT | NT |
| Sodium | mg/L | NT | NT | NT | NT | < 2.00 | NT | NT |
| Manganese | mg/L | NT | NT | NT | NT | < 0.0100 | NT | NT |
| Aluminum | mg/L | NT | NT | NT | NT | < 0.0500 | NT | NT |
| Antimony | mg/L | NT | NT | NT | NT | < 0.0120 | NT | NT |
| Arsenic | mg/L | NT | NT | NT | NT | < 0.01100 | NT | NT |
| Beryllium | mg/L | NT | NT | NT | NT | < 0.0040 | NT | NT |
| Cadmium | mg/L | NT | NT | NT | NT | < 0.0050 | NT | NT |
| Calcium | mg/L | NT | NT | NT | NT | < 0.500 | NT | NT |
| Chromium | mg/L | NT | NT | NT | NT | < 0.0100 | NT | NT |
| Cobalt | mg/L | NT | NT | NT | NT | < 0.0100 | NT | NT |
| Copper | mg/L | NT | NT | NT | NT | < 0.0100 | NT | NT |
| Iron | mg/L | NT | NT | NT | NT | < 0.100 | NT | NT |
| Lead | mg/L | NT | NT | NT | NT | < 0.0150 | NT | NT |
| Magnesium | mg/L | NT | NT | NT | NT | < 0.0500 | NT | NT |
| Nickel | mg/L | NT | NT | NT | NT | < 0.0100 | NT | NT |
| Selenium | mg/L | NT | NT | NT | NT | < 0.0300 | NT | NT |
| Silver | mg/L | NT | NT | NT | NT | < 0.0100 | NT | NT |
| Thallium | mg/L | NT | NT | NT | NT | < 0.0100 | NT | NT |
| Vanadium | mg/L | NT | NT | NT | NT | < 0.0100 | NT | NT |
| Zinc | mg/L | NT | NT | NT | NT | < 0.0200 | NT | NT |
| Barium | mg/L | NT | NT | NT | NT | < 0.0100 | NT | NT |
| Cr (VI) | µg/L | NT | NT | NT | NT | < 10.0 | NT | NT |
| Mercury | mg/L | NT | NT | NT | NT | < 0.00020 | NT | NT |

**Table 4-QAQC Results**
**South Fork Export Cable-LIRR**
**GZA Job No. 41.0162804.02**

| Lab ID: | | SC60331-05 | SC60331-06 | SC60345-03 | SC60345-04 | SC60346-01 | SC60331-07 | SC60345-02 |
|---|---|---|---|---|---|---|---|---|
| PARAMETERS | UNITS | EB122320A (from Hand Auger) | EB122320B (from Stainless Steel Bowl) | EB122820A (from Hand Auger) | EB122820B (from Stainless Steel Bowl) | EB (from Stainless Steel Bowl) | FB122320 | FB122820 |
| Matrix: | | PFAS Free Water | PFAS Free Water | PFAS Free Water | PFAS Free Water | PFAS Free Water | PFAS Free Water | PFAS Free Water |
| Sample Date: | | 12/23/2020 | 12/23/2020 | 12/28/2020 | 12/28/2020 | 12/29/2020 | 12/23/2020 | 12/28/2020 |
| **Pesticides (SW846 8081B)** | | | | | | | | |
| alpha-BHC | µg/L | NT | NT | NT | NT | < 0.025 | NT | NT |
| beta-BHC | µg/L | NT | NT | NT | NT | < 0.025 | NT | NT |
| delta-BHC | µg/L | NT | NT | NT | NT | < 0.025 | NT | NT |
| gamma-BHC (Lindane) | µg/L | NT | NT | NT | NT | < 0.025 | NT | NT |
| Heptachlor | µg/L | NT | NT | NT | NT | < 0.025 | NT | NT |
| Aldrin | µg/L | NT | NT | NT | NT | < 0.025 | NT | NT |
| Heptachlor epoxide | µg/L | NT | NT | NT | NT | < 0.025 | NT | NT |
| Endosulfan I | µg/L | NT | NT | NT | NT | < 0.025 | NT | NT |
| Dieldrin | µg/L | NT | NT | NT | NT | < 0.025 | NT | NT |
| 4,4'-DDE (p,p') | µg/L | NT | NT | NT | NT | < 0.025 | NT | NT |
| Endrin | µg/L | NT | NT | NT | NT | < 0.050 | NT | NT |
| Endosulfan II | µg/L | NT | NT | NT | NT | < 0.050 | NT | NT |
| 4,4'-DDD (p,p') | µg/L | NT | NT | NT | NT | < 0.050 | NT | NT |
| Endosulfan sulfate | µg/L | NT | NT | NT | NT | < 0.050 | NT | NT |
| 4,4'-DDT (p,p') | µg/L | NT | NT | NT | NT | < 0.050 | NT | NT |
| Methoxychlor | µg/L | NT | NT | NT | NT | < 0.050 | NT | NT |
| Endrin ketone | µg/L | NT | NT | NT | NT | < 0.050 | NT | NT |
| Endrin aldehyde | µg/L | NT | NT | NT | NT | < 0.050 | NT | NT |
| alpha-Chlordane | µg/L | NT | NT | NT | NT | < 0.025 | NT | NT |
| gamma-Chlordane | µg/L | NT | NT | NT | NT | < 0.025 | NT | NT |
| Toxaphene | µg/L | NT | NT | NT | NT | < 0.500 | NT | NT |
| Chlordane | µg/L | NT | NT | NT | NT | < 0.250 | NT | NT |
| Alachlor | µg/L | NT | NT | NT | NT | < 0.025 | NT | NT |
| **Polychlorinated Biphenyls (SW846 8082A)** | | | | | | | | |
| Aroclor-1016 | µg/L | NT | NT | NT | NT | < 0.250 | NT | NT |
| Aroclor-1221 | µg/L | NT | NT | NT | NT | < 0.250 | NT | NT |
| Aroclor-1232 | µg/L | NT | NT | NT | NT | < 0.250 | NT | NT |
| Aroclor-1242 | µg/L | NT | NT | NT | NT | < 0.250 | NT | NT |
| Aroclor-1248 | µg/L | NT | NT | NT | NT | < 0.250 | NT | NT |
| Aroclor-1254 | µg/L | NT | NT | NT | NT | < 0.250 | NT | NT |
| Aroclor-1260 | µg/L | NT | NT | NT | NT | < 0.250 | NT | NT |
| Aroclor-1262 | µg/L | NT | NT | NT | NT | < 0.250 | NT | NT |
| Aroclor-1268 | µg/L | NT | NT | NT | NT | < 0.250 | NT | NT |
| **Herbicides (SW846 8151A)** | | | | | | | | |
| 2,4,5-T | µg/L | NT | NT | NT | NT | < 1.2 | NT | NT |
| 2,4-D | µg/L | NT | NT | NT | NT | < 1.2 | NT | NT |
| Silvex (2,4,5-TP) | µg/L | NT | NT | NT | NT | < 1.2 | NT | NT |
| **Semi-Volatile Organic Compounds (SW846 8270D/8270E)** | | | | | | | | |
| Acenaphthene | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| Acenaphthylene | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| Aniline | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| Anthracene | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| Azobenzene/Diphenyldiazene | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| Benzidine | µg/L | NT | NT | NT | NT | < 10.0 | NT | NT |
| Benzo (a) anthracene | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| Benzo (a) pyrene | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| Benzo (b) fluoranthene | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| Benzo (g,h,i) perylene | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |

**Table 4-QAQC Results**
**South Fork Export Cable-LIRR**
**GZA Job No. 41.0162804.02**

| Lab ID: | | SC60331-05 | SC60331-06 | SC60345-03 | SC60345-04 | SC60346-01 | SC60331-07 | SC60345-02 |
|---|---|---|---|---|---|---|---|---|
| PARAMETERS | UNITS | EB122320A (from Hand Auger) | EB122320B (from Stainless Steel Bowl) | EB122820A (from Hand Auger) | EB122820B (from Stainless Steel Bowl) | EB (from Stainless Steel Bowl) | FB122320 | FB122820 |
| Matrix: | | PFAS Free Water | PFAS Free Water | PFAS Free Water | PFAS Free Water | PFAS Free Water | PFAS Free Water | PFAS Free Water |
| Sample Date: | | 12/23/2020 | 12/23/2020 | 12/28/2020 | 12/28/2020 | 12/29/2020 | 12/23/2020 | 12/28/2020 |
| **Semi-Volatile Organic Compounds (SW846 8270D/8270E)** | | | | | | | | |
| Benzo (k) fluoranthene | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| Benzoic acid | µg/L | NT | NT | NT | NT | < 10.0 | NT | NT |
| Benzyl alcohol | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| Bis(2-chloroethoxy)methane | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| Bis(2-chloroethyl)ether | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| Bis(2-chloroisopropyl)ether | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| Bis(2-ethylhexyl)phthalate | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| 4-Bromophenyl phenyl ether | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| Butyl benzyl phthalate | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| Carbazole | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| 4-Chloro-3-methylphenol | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| 4-Chloroaniline | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| 2-Chloronaphthalene | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| 2-Chlorophenol | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| 4-Chlorophenyl phenyl ether | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| Chrysene | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| Dibenzo (a,h) anthracene | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| Dibenzofuran | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| 1,2-Dichlorobenzene | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| 1,3-Dichlorobenzene | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| 1,4-Dichlorobenzene | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| 3,3´-Dichlorobenzidine | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| 2,4-Dichlorophenol | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| Diethyl phthalate | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| Dimethyl phthalate | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| 2,4-Dimethylphenol | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| Di-n-butyl phthalate | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| 4,6-Dinitro-2-methylphenol | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| 2,4-Dinitrophenol | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| 2,4-Dinitrotoluene | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| 2,6-Dinitrotoluene | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| Di-n-octyl phthalate | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| Fluoranthene | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| Fluorene | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| Hexachlorobenzene | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| Hexachlorobutadiene | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| Hexachlorocyclopentadiene | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| Hexachloroethane | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| Indeno (1,2,3-cd) pyrene | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| Isophorone | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| 2-Methylnaphthalene | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| 2-Methylphenol (o-Cresol) | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| 3 & 4-Methylphenol | µg/L | NT | NT | NT | NT | < 10.0 | NT | NT |
| Naphthalene | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| 2-Nitroaniline | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| 3-Nitroaniline | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| 4-Nitroaniline | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| Nitrobenzene | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |

**Table 4-QAQC Results**
**South Fork Export Cable-LIRR**
**GZA Job No. 41.0162804.02**

| Lab ID: | | SC60331-05 | SC60331-06 | SC60345-03 | SC60345-04 | SC60346-01 | SC60331-07 | SC60345-02 |
|---|---|---|---|---|---|---|---|---|
| PARAMETERS | UNITS | EB122320A (from Hand Auger) | EB122320B (from Stainless Steel Bowl) | EB122820A (from Hand Auger) | EB122820B (from Stainless Steel Bowl) | EB (from Stainless Steel Bowl) | FB122320 | FB122820 |
| Matrix: | | PFAS Free Water | PFAS Free Water | PFAS Free Water | PFAS Free Water | PFAS Free Water | PFAS Free Water | PFAS Free Water |
| Sample Date: | | 12/23/2020 | 12/23/2020 | 12/28/2020 | 12/28/2020 | 12/29/2020 | 12/23/2020 | 12/28/2020 |
| **Semi-Volatile Organic Compounds (SW846 8270D/8270E)** | | | | | | | | |
| 2-Nitrophenol | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| 4-Nitrophenol | µg/L | NT | NT | NT | NT | < 20.0 | NT | NT |
| N-Nitrosodimethylamine | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| N-Nitrosodi-n-propylamine | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| N-Nitrosodiphenylamine | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| Pentachlorophenol | µg/L | NT | NT | NT | NT | < 20.0 | NT | NT |
| Phenanthrene | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| Phenol | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| Pyrene | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| Pyridine | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| 1,2,4-Trichlorobenzene | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| 1-Methylnaphthalene | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| 2,4,5-Trichlorophenol | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| 2,4,6-Trichlorophenol | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| Pentachloronitrobenzene | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| 1,2,4,5-Tetrachlorobenzene | µg/L | NT | NT | NT | NT | < 5.00 | NT | NT |
| 1,4-Dioxane | µg/L | NT | NT | NT | NT | < 0.20 | NT | NT |
| **Classical Chemistry** | | | | | | | | |
| Total Cyanide | mg/L | NT | NT | NT | NT | < 0.010 | NT | NT |
| **PFAS (EPA PFC_IDA)** | | | | | | | | |
| 1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2) | ng/L | < 18.5 | < 18.7 | < 1.77 | < 1.89 | < 1.73 | < 18.4 | < 1.87 |
| 1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2) | ng/L | < 46.4 | < 46.7 | < 4.42 | < 4.73 | < 4.32 | < 45.9 | < 4.68 |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtF | ng/L | < 46.4 | < 46.7 | < 4.42 | < 4.73 | < 4.32 | < 45.9 | < 4.68 |
| N-methylperfluorooctanesulfonamidoacetic acid (NMe | ng/L | < 46.4 | < 46.7 | < 4.42 | < 4.73 | < 4.32 | < 45.9 | < 4.68 |
| Perfluorobutanesulfonic acid (PFBS) | ng/L | < 18.5 | < 18.7 | < 1.77 | < 1.89 | < 1.73 | < 18.4 | < 1.87 |
| Perfluorobutanoic acid (PFBA) | ng/L | < 46.4 | < 46.7 | < 4.42 | < 4.73 | < 4.32 | < 45.9 | < 4.68 |
| Perfluorodecanesulfonic acid (PFDS) | ng/L | < 18.5 | < 18.7 | < 1.77 | < 1.89 | < 1.73 | < 18.4 | < 1.87 |
| Perfluorodecanoic acid (PFDA) | ng/L | < 18.5 | < 18.7 | < 1.77 | < 1.89 | < 1.73 | < 18.4 | < 1.87 |
| Perfluorododecanoic acid (PFDoA) | ng/L | < 18.5 | < 18.7 | < 1.77 | < 1.89 | < 1.73 | < 18.4 | < 1.87 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ng/L | < 18.5 | < 18.7 | < 1.77 | < 1.89 | < 1.73 | < 18.4 | < 1.87 |
| Perfluoroheptanoic acid (PFHpA) | ng/L | < 18.5 | < 18.7 | < 1.77 | < 1.89 | < 1.73 | < 18.4 | < 1.87 |
| Perfluorohexanesulfonic acid (PFHxS) | ng/L | < 18.5 | < 18.7 | < 1.77 | < 1.89 | < 1.73 | < 18.4 | < 1.87 |
| Perfluorohexanoic acid (PFHxA) | ng/L | < 18.5 | < 18.7 | < 1.77 | < 1.89 | < 1.73 | < 18.4 | < 1.87 |
| Perfluorononanoic acid (PFNA) | ng/L | < 18.5 | < 18.7 | < 1.77 | < 1.89 | < 1.73 | < 18.4 | < 1.87 |
| Perfluorooctanesulfonamide (PFOSA) | ng/L | < 18.5 | < 18.7 | < 1.77 | < 1.89 | < 1.73 | < 18.4 | < 1.87 |
| Perfluorooctanesulfonic acid (PFOS) | ng/L | < 18.5 | < 18.7 | < 1.77 | < 1.89 | < 1.73 | < 18.4 | < 1.87 |
| Perfluorooctanoic acid (PFOA) | ng/L | < 18.5 | < 18.7 | < 1.77 | < 1.89 | < 1.73 | < 18.4 | < 1.87 |
| Perfluoropentanoic acid (PFPeA) | ng/L | < 18.5 | < 18.7 | < 1.77 | < 1.89 | < 1.73 | < 18.4 | < 1.87 |
| Perfluorotetradecanoic acid (PFTeA) | ng/L | < 18.5 | < 18.7 | < 1.77 | < 1.89 | < 1.73 | < 18.4 | < 1.87 |
| Perfluorotridecanoic acid (PFTriA) | ng/L | < 18.5 | < 18.7 | < 1.77 | < 1.89 | < 1.73 | < 18.4 | < 1.87 |
| Perfluoroundecanoic acid (PFUnA) | ng/L | < 18.5 | < 18.7 | < 1.77 | < 1.89 | < 1.73 | < 18.4 | < 1.87 |

Notes
1. "<" indicates the parameter is not detected.
2. "NT" indicates that the parameter was not tested for.

**Table 4-QAQC Results**
**South Fork Export Cable-LIRR**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | SC60313-12 | SC60331-18 | SC60345-19 | SC60346-02 |
|---|---|---|---|---|---|
| PARAMETERS | | Trip Blank | Trip Blank | Trip Blank | TB |
| Matrix: | | Trip Blank | Trip Blank | Trip Blank | Trip Blank |
| Sample Date: | | 12/22/2020 | 12/23/2020 | 12/28/2020 | 12/29/2020 |
| **Volatile Organic Compounds (SW846 8260D)** | | | | | |
| 1,1,1-Trichloroethane | µg/L | < 1.0 | < 5.00 | < 1.0 | < 1.00 |
| 1,1,2,2-Tetrachloroethane | µg/L | < 1.0 | < 5.00 | < 1.0 | < 10.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon) | µg/L | < 1.0 | < 5.00 | < 1.0 | < 1.00 |
| 1,1,2-Trichloroethane | µg/L | < 1.0 | < 5.00 | < 1.0 | < 1.00 |
| 1,1-Dichloroethane | µg/L | < 1.0 | < 5.00 | < 1.0 | < 0.50 |
| 1,1-Dichloroethene | µg/L | < 1.0 | < 5.00 | < 1.0 | < 1.00 |
| 1,2,3-Trichlorobenzene | µg/L | < 1.0 | < 5.00 | < 1.0 | < 2.00 |
| 1,2,4-Trichlorobenzene | µg/L | < 1.0 | < 5.00 | < 1.0 | < 2.00 |
| 1,2,4-Trimethylbenzene | µg/L | < 1.0 | < 5.00 | < 1.0 | < 1.00 |
| 1,2-Dibromo-3-Chloropropane | µg/L | < 1.0 | < 10.0 | < 1.0 | < 1.00 |
| 1,2-Dichlorobenzene | µg/L | < 1.0 | < 5.00 | < 1.0 | < 1.00 |
| 1,2-Dichloroethane | µg/L | < 1.0 | < 5.00 | < 1.0 | < 2.00 |
| 1,2-Dichloropropane | µg/L | < 1.0 | < 5.00 | < 1.0 | < 1.00 |
| 1,3,5-Trimethylbenzene | µg/L | < 1.0 | < 5.00 | < 1.0 | < 1.00 |
| 1,3-Dichlorobenzene | µg/L | < 1.0 | < 5.00 | < 1.0 | < 2.00 |
| 1,4-Dichlorobenzene | µg/L | < 1.0 | < 5.00 | < 1.0 | < 1.00 |
| 1,4-Dioxane | µg/L | < 20 | < 100 | < 20 | < 2.00 |
| 2-Butanone (MEK) | µg/L | < 5.0 | < 10.0 | < 5.0 | < 2.00 |
| 2-Hexanone | µg/L | < 5.0 | < 10.0 | < 5.0 | < 0.50 |
| 4-Isopropyltoluene | µg/L | < 1.0 | < 5.00 | < 1.0 | < 0.50 |
| 4-Methyl-2-pentanone (MIBK) | µg/L | < 5.0 | < 10.0 | < 5.0 | < 1.00 |
| Acetone | µg/L | < 6.0 | < 50.0 | < 6.0 | < 1.00 |
| Benzene | µg/L | < 1.0 | < 5.00 | < 1.0 | < 1.00 |
| Bromoform | µg/L | < 1.0 | < 5.00 | < 1.0 | < 2.00 |
| Bromomethane | µg/L | < 2.0 | < 10.0 | < 2.0 | < 1.00 |
| Carbon disulfide | µg/L | < 1.0 | < 10.0 | < 1.0 | < 1.00 |
| Carbon tetrachloride | µg/L | < 1.0 | < 5.00 | < 1.0 | < 1.00 |
| Chlorobenzene | µg/L | < 1.0 | < 5.00 | < 1.0 | < 1.00 |
| Chlorobromomethane | µg/L | < 1.0 | < 5.00 | < 1.0 | < 1.00 |
| Chlorodibromomethane | µg/L | < 1.0 | < 5.00 | < 1.0 | < 1.00 |
| Chloroethane | µg/L | < 1.0 | < 10.0 | < 1.0 | < 0.50 |
| Chloroform | µg/L | < 1.0 | < 5.00 | < 1.0 | < 0.50 |
| Chloromethane | µg/L | < 1.0 | < 10.0 | < 1.0 | < 1.00 |
| cis-1,2-Dichloroethene | µg/L | < 1.0 | < 5.00 | < 1.0 | < 2.00 |
| cis-1,3-Dichloropropene | µg/L | < 1.0 | < 5.00 | < 1.0 | < 1.00 |
| Cyclohexane | µg/L | < 1.0 | < 25.0 | < 1.0 | < 1.00 |
| Dichlorobromomethane | µg/L | < 1.0 | < 5.00 | < 1.0 | < 1.00 |
| Dichlorodifluoromethane | µg/L | < 1.0 | < 10.0 | < 1.0 | < 2.00 |
| Ethylbenzene | µg/L | < 1.0 | < 5.00 | < 1.0 | < 2.00 |
| Ethylene Dibromide (1,2-Dibromoethane, EDB) | µg/L | < 1.0 | < 5.00 | < 1.0 | < 2.00 |
| Isopropylbenzene | µg/L | < 1.0 | < 5.00 | < 1.0 | < 1.00 |
| Methyl acetate | µg/L | < 5.0 | < 25.0 | < 5.0 | < 1.00 |
| Methyl tert-butyl ether | µg/L | < 1.0 | < 5.00 | < 1.0 | < 0.50 |
| Methylcyclohexane | µg/L | < 1.0 | < 25.0 | < 1.0 | < 1.00 |
| Methylene Chloride | µg/L | < 2.0 | < 10.0 | < 2.0 | < 1.00 |
| m-Xylene & p-Xylene | µg/L | < 1.0 | < 10.0 | < 1.0 | < 1.00 |
| Naphthalene | µg/L | < 1.5 | < 5.00 | < 1.5 | < 1.00 |
| n-Butylbenzene | µg/L | < 1.0 | < 10.0 | < 1.0 | < 1.00 |
| N-Propylbenzene | µg/L | < 1.0 | < 5.00 | < 1.0 | < 1.00 |

**Table 4-QAQC Results**
**South Fork Export Cable-LIRR**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | SC60313-12 | SC60331-18 | SC60345-19 | SC60346-02 |
|---|---|---|---|---|---|
| PARAMETERS | | Trip Blank | Trip Blank | Trip Blank | TB |
| Matrix: | | Trip Blank | Trip Blank | Trip Blank | Trip Blank |
| Sample Date: | | 12/22/2020 | 12/23/2020 | 12/28/2020 | 12/29/2020 |
| **Volatile Organic Compounds (SW846 8260D)** | | | | | |
| o-Xylene | µg/L | < 1.0 | < 5.00 | < 1.0 | < 1.00 |
| sec-Butylbenzene | µg/L | < 1.0 | < 5.00 | < 1.0 | < 1.00 |
| Styrene | µg/L | < 1.0 | < 5.00 | < 1.0 | < 1.00 |
| tert-Butylbenzene | µg/L | < 1.0 | < 5.00 | < 1.0 | < 1.00 |
| Tetrachloroethene | µg/L | < 1.0 | < 5.00 | < 1.0 | < 1.00 |
| Toluene | µg/L | < 1.0 | < 5.00 | < 1.0 | < 2.00 |
| trans-1,2-Dichloroethene | µg/L | < 1.0 | < 5.00 | < 1.0 | < 1.00 |
| trans-1,3-Dichloropropene | µg/L | < 1.0 | < 5.00 | < 1.0 | < 50.0 |
| Trichloroethene | µg/L | < 1.0 | < 5.00 | < 1.0 | < 5.00 |
| Trichlorofluoromethane | µg/L | < 1.0 | < 5.00 | < 1.0 | < 10.0 |
| Vinyl chloride | µg/L | < 1.0 | < 5.00 | < 1.0 | < 5.00 |
| Xylenes, Total | µg/L | < 2.0 | NT | < 2.0 | NT |
| **Extractable Petroleum Hydrocarbons (MADEP 5/2004 R)** | | | | | |
| C9-C18 Aliphatic Hydrocarbons | µg/L | NT | NT | NT | NT |
| C19-C36 Aliphatic Hydrocarbons | µg/L | NT | NT | NT | NT |
| C11-C22 Aromatic Hydrocarbons | µg/L | NT | NT | NT | NT |
| Unadjusted C11-C22 Aromatic Hydrocarbons | µg/L | NT | NT | NT | NT |
| **Metals (SW846 6010C/6010D/7196A/7471B)** | | | | | |
| Potassium | mg/L | NT | NT | NT | NT |
| Sodium | mg/L | NT | NT | NT | NT |
| Manganese | mg/L | NT | NT | NT | NT |
| Aluminum | mg/L | NT | NT | NT | NT |
| Antimony | mg/L | NT | NT | NT | NT |
| Arsenic | mg/L | NT | NT | NT | NT |
| Beryllium | mg/L | NT | NT | NT | NT |
| Cadmium | mg/L | NT | NT | NT | NT |
| Calcium | mg/L | NT | NT | NT | NT |
| Chromium | mg/L | NT | NT | NT | NT |
| Cobalt | mg/L | NT | NT | NT | NT |
| Copper | mg/L | NT | NT | NT | NT |
| Iron | mg/L | NT | NT | NT | NT |
| Lead | mg/L | NT | NT | NT | NT |
| Magnesium | mg/L | NT | NT | NT | NT |
| Nickel | mg/L | NT | NT | NT | NT |
| Selenium | mg/L | NT | NT | NT | NT |
| Silver | mg/L | NT | NT | NT | NT |
| Thallium | mg/L | NT | NT | NT | NT |
| Vanadium | mg/L | NT | NT | NT | NT |
| Zinc | mg/L | NT | NT | NT | NT |
| Barium | mg/L | NT | NT | NT | NT |
| Cr (VI) | µg/L | NT | NT | NT | NT |
| Mercury | mg/L | NT | NT | NT | NT |

**Table 4-QAQC Results**
**South Fork Export Cable-LIRR**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | SC60313-12 | SC60331-18 | SC60345-19 | SC60346-02 |
|---|---|---|---|---|---|
| PARAMETERS | | Trip Blank | Trip Blank | Trip Blank | TB |
| Matrix: | | Trip Blank | Trip Blank | Trip Blank | Trip Blank |
| Sample Date: | | 12/22/2020 | 12/23/2020 | 12/28/2020 | 12/29/2020 |
| **Pesticides (SW846 8081B)** | | | | | |
| alpha-BHC | µg/L | NT | NT | NT | NT |
| beta-BHC | µg/L | NT | NT | NT | NT |
| delta-BHC | µg/L | NT | NT | NT | NT |
| gamma-BHC (Lindane) | µg/L | NT | NT | NT | NT |
| Heptachlor | µg/L | NT | NT | NT | NT |
| Aldrin | µg/L | NT | NT | NT | NT |
| Heptachlor epoxide | µg/L | NT | NT | NT | NT |
| Endosulfan I | µg/L | NT | NT | NT | NT |
| Dieldrin | µg/L | NT | NT | NT | NT |
| 4,4'-DDE (p,p') | µg/L | NT | NT | NT | NT |
| Endrin | µg/L | NT | NT | NT | NT |
| Endosulfan II | µg/L | NT | NT | NT | NT |
| 4,4'-DDD (p,p') | µg/L | NT | NT | NT | NT |
| Endosulfan sulfate | µg/L | NT | NT | NT | NT |
| 4,4'-DDT (p,p') | µg/L | NT | NT | NT | NT |
| Methoxychlor | µg/L | NT | NT | NT | NT |
| Endrin ketone | µg/L | NT | NT | NT | NT |
| Endrin aldehyde | µg/L | NT | NT | NT | NT |
| alpha-Chlordane | µg/L | NT | NT | NT | NT |
| gamma-Chlordane | µg/L | NT | NT | NT | NT |
| Toxaphene | µg/L | NT | NT | NT | NT |
| Chlordane | µg/L | NT | NT | NT | NT |
| Alachlor | µg/L | NT | NT | NT | NT |
| **Polychlorinated Biphenyls (SW846 8082A)** | | | | | |
| Aroclor-1016 | µg/L | NT | NT | NT | NT |
| Aroclor-1221 | µg/L | NT | NT | NT | NT |
| Aroclor-1232 | µg/L | NT | NT | NT | NT |
| Aroclor-1242 | µg/L | NT | NT | NT | NT |
| Aroclor-1248 | µg/L | NT | NT | NT | NT |
| Aroclor-1254 | µg/L | NT | NT | NT | NT |
| Aroclor-1260 | µg/L | NT | NT | NT | NT |
| Aroclor-1262 | µg/L | NT | NT | NT | NT |
| Aroclor-1268 | µg/L | NT | NT | NT | NT |
| **Herbicides (SW846 8151A)** | | | | | |
| 2,4,5-T | µg/L | NT | NT | NT | NT |
| 2,4-D | µg/L | NT | NT | NT | NT |
| Silvex (2,4,5-TP) | µg/L | NT | NT | NT | NT |
| **Semi-Volatile Organic Compounds (SW846 8270D/8270E)** | | | | | |
| Acenaphthene | µg/L | NT | NT | NT | NT |
| Acenaphthylene | µg/L | NT | NT | NT | NT |
| Aniline | µg/L | NT | NT | NT | NT |
| Anthracene | µg/L | NT | NT | NT | NT |
| Azobenzene/Diphenyldiazene | µg/L | NT | NT | NT | NT |
| Benzidine | µg/L | NT | NT | NT | NT |
| Benzo (a) anthracene | µg/L | NT | NT | NT | NT |
| Benzo (a) pyrene | µg/L | NT | NT | NT | NT |
| Benzo (b) fluoranthene | µg/L | NT | NT | NT | NT |
| Benzo (g,h,i) perylene | µg/L | NT | NT | NT | NT |

**Table 4-QAQC Results**
**South Fork Export Cable-LIRR**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | SC60313-12 | SC60331-18 | SC60345-19 | SC60346-02 |
|---|---|---|---|---|---|
| PARAMETERS | | Trip Blank | Trip Blank | Trip Blank | TB |
| Matrix: | | Trip Blank | Trip Blank | Trip Blank | Trip Blank |
| Sample Date: | | 12/22/2020 | 12/23/2020 | 12/28/2020 | 12/29/2020 |
| **Semi-Volatile Organic Compounds (SW846 8270D/8270E)** | | | | | |
| Benzo (k) fluoranthene | µg/L | NT | NT | NT | NT |
| Benzoic acid | µg/L | NT | NT | NT | NT |
| Benzyl alcohol | µg/L | NT | NT | NT | NT |
| Bis(2-chloroethoxy)methane | µg/L | NT | NT | NT | NT |
| Bis(2-chloroethyl)ether | µg/L | NT | NT | NT | NT |
| Bis(2-chloroisopropyl)ether | µg/L | NT | NT | NT | NT |
| Bis(2-ethylhexyl)phthalate | µg/L | NT | NT | NT | NT |
| 4-Bromophenyl phenyl ether | µg/L | NT | NT | NT | NT |
| Butyl benzyl phthalate | µg/L | NT | NT | NT | NT |
| Carbazole | µg/L | NT | NT | NT | NT |
| 4-Chloro-3-methylphenol | µg/L | NT | NT | NT | NT |
| 4-Chloroaniline | µg/L | NT | NT | NT | NT |
| 2-Chloronaphthalene | µg/L | NT | NT | NT | NT |
| 2-Chlorophenol | µg/L | NT | NT | NT | NT |
| 4-Chlorophenyl phenyl ether | µg/L | NT | NT | NT | NT |
| Chrysene | µg/L | NT | NT | NT | NT |
| Dibenzo (a,h) anthracene | µg/L | NT | NT | NT | NT |
| Dibenzofuran | µg/L | NT | NT | NT | NT |
| 1,2-Dichlorobenzene | µg/L | NT | NT | NT | NT |
| 1,3-Dichlorobenzene | µg/L | NT | NT | NT | NT |
| 1,4-Dichlorobenzene | µg/L | NT | NT | NT | NT |
| 3,3´-Dichlorobenzidine | µg/L | NT | NT | NT | NT |
| 2,4-Dichlorophenol | µg/L | NT | NT | NT | NT |
| Diethyl phthalate | µg/L | NT | NT | NT | NT |
| Dimethyl phthalate | µg/L | NT | NT | NT | NT |
| 2,4-Dimethylphenol | µg/L | NT | NT | NT | NT |
| Di-n-butyl phthalate | µg/L | NT | NT | NT | NT |
| 4,6-Dinitro-2-methylphenol | µg/L | NT | NT | NT | NT |
| 2,4-Dinitrophenol | µg/L | NT | NT | NT | NT |
| 2,4-Dinitrotoluene | µg/L | NT | NT | NT | NT |
| 2,6-Dinitrotoluene | µg/L | NT | NT | NT | NT |
| Di-n-octyl phthalate | µg/L | NT | NT | NT | NT |
| Fluoranthene | µg/L | NT | NT | NT | NT |
| Fluorene | µg/L | NT | NT | NT | NT |
| Hexachlorobenzene | µg/L | NT | NT | NT | NT |
| Hexachlorobutadiene | µg/L | NT | NT | NT | NT |
| Hexachlorocyclopentadiene | µg/L | NT | NT | NT | NT |
| Hexachloroethane | µg/L | NT | NT | NT | NT |
| Indeno (1,2,3-cd) pyrene | µg/L | NT | NT | NT | NT |
| Isophorone | µg/L | NT | NT | NT | NT |
| 2-Methylnaphthalene | µg/L | NT | NT | NT | NT |
| 2-Methylphenol (o-Cresol) | µg/L | NT | NT | NT | NT |
| 3 & 4-Methylphenol | µg/L | NT | NT | NT | NT |
| Naphthalene | µg/L | NT | NT | NT | NT |
| 2-Nitroaniline | µg/L | NT | NT | NT | NT |
| 3-Nitroaniline | µg/L | NT | NT | NT | NT |
| 4-Nitroaniline | µg/L | NT | NT | NT | NT |
| Nitrobenzene | µg/L | NT | NT | NT | NT |

**Table 4-QAQC Results**
**South Fork Export Cable-LIRR**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | SC60313-12 | SC60331-18 | SC60345-19 | SC60346-02 |
|---|---|---|---|---|---|
| PARAMETERS | | Trip Blank | Trip Blank | Trip Blank | TB |
| Matrix: | | Trip Blank | Trip Blank | Trip Blank | Trip Blank |
| Sample Date: | | 12/22/2020 | 12/23/2020 | 12/28/2020 | 12/29/2020 |
| **Semi-Volatile Organic Compounds (SW846 8270D/8270E)** | | | | | |
| 2-Nitrophenol | µg/L | NT | NT | NT | NT |
| 4-Nitrophenol | µg/L | NT | NT | NT | NT |
| N-Nitrosodimethylamine | µg/L | NT | NT | NT | NT |
| N-Nitrosodi-n-propylamine | µg/L | NT | NT | NT | NT |
| N-Nitrosodiphenylamine | µg/L | NT | NT | NT | NT |
| Pentachlorophenol | µg/L | NT | NT | NT | NT |
| Phenanthrene | µg/L | NT | NT | NT | NT |
| Phenol | µg/L | NT | NT | NT | NT |
| Pyrene | µg/L | NT | NT | NT | NT |
| Pyridine | µg/L | NT | NT | NT | NT |
| 1,2,4-Trichlorobenzene | µg/L | NT | NT | NT | NT |
| 1-Methylnaphthalene | µg/L | NT | NT | NT | NT |
| 2,4,5-Trichlorophenol | µg/L | NT | NT | NT | NT |
| 2,4,6-Trichlorophenol | µg/L | NT | NT | NT | NT |
| Pentachloronitrobenzene | µg/L | NT | NT | NT | NT |
| 1,2,4,5-Tetrachlorobenzene | µg/L | NT | NT | NT | NT |
| 1,4-Dioxane | µg/L | NT | NT | NT | NT |
| **Classical Chemistry** | | | | | |
| Total Cyanide | mg/L | NT | NT | NT | NT |
| **PFAS (EPA PFC_IDA)** | | | | | |
| 1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2) | ng/L | NT | NT | NT | NT |
| 1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2) | ng/L | NT | NT | NT | NT |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtF | ng/L | NT | NT | NT | NT |
| N-methylperfluorooctanesulfonamidoacetic acid (NMe | ng/L | NT | NT | NT | NT |
| Perfluorobutanesulfonic acid (PFBS) | ng/L | NT | NT | NT | NT |
| Perfluorobutanoic acid (PFBA) | ng/L | NT | NT | NT | NT |
| Perfluorodecanesulfonic acid (PFDS) | ng/L | NT | NT | NT | NT |
| Perfluorodecanoic acid (PFDA) | ng/L | NT | NT | NT | NT |
| Perfluorododecanoic acid (PFDoA) | ng/L | NT | NT | NT | NT |
| Perfluoroheptanesulfonic Acid (PFHpS) | ng/L | NT | NT | NT | NT |
| Perfluoroheptanoic acid (PFHpA) | ng/L | NT | NT | NT | NT |
| Perfluorohexanesulfonic acid (PFHxS) | ng/L | NT | NT | NT | NT |
| Perfluorohexanoic acid (PFHxA) | ng/L | NT | NT | NT | NT |
| Perfluorononanoic acid (PFNA) | ng/L | NT | NT | NT | NT |
| Perfluorooctanesulfonamide (PFOSA) | ng/L | NT | NT | NT | NT |
| Perfluorooctanesulfonic acid (PFOS) | ng/L | NT | NT | NT | NT |
| Perfluorooctanoic acid (PFOA) | ng/L | NT | NT | NT | NT |
| Perfluoropentanoic acid (PFPeA) | ng/L | NT | NT | NT | NT |
| Perfluorotetradecanoic acid (PFTeA) | ng/L | NT | NT | NT | NT |
| Perfluorotridecanoic acid (PFTriA) | ng/L | NT | NT | NT | NT |
| Perfluoroundecanoic acid (PFUnA) | ng/L | NT | NT | NT | NT |

Notes
1. "<" indicates the parameter is not detected.
2. "NT" indicates that the parameter was not tested for.

**Table 5-Groundwater Sample Results**
**South Fork Export Cable-LIRR**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | NY Ambient Water Quality Standards and Guidance Values | SC60368-03 | SC60368-02 | SC60368-04 | SC60368-01 | SC60368-05 |
|---|---|---|---|---|---|---|---|
| PARAMETERS | | | MW-21B | MW-26A | | MW-28A | Trip Blank |
| Matrix: | | GA | Ground Water | Ground Water | Ground Water - BD | Ground Water | Trip Blank |
| Well Screen Depth: | | | 9.2-19.2 ft bgs | 4-19 ft bgs | 4-19 ft bgs | 9.8-24.8 ft bgs | |
| Sample Date: | | | 12/30/2020 | 12/30/2020 | 12/30/2020 | 12/30/2020 | 12/30/2020 |
| **Per- and Polyfluoroalkyl Substances (EPA PFC_IDA)** | | | | | | | |
| 1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2) | ng/L | 100 | < 1.69 | < 1.80 | < 1.75 | < 1.83 | NT |
| 1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2) | ng/L | 100 | **1.37 J** | **2.21 J** | **1.0 J** | **1.39 J** | NT |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtF | ng/L | 100 | < 4.23 | < 4.51 | < 4.37 | < 4.57 | NT |
| N-methylperfluorooctanesulfonamidoacetic acid (NMe | ng/L | 100 | < 4.23 | < 4.51 | < 4.37 | < 4.57 | NT |
| Perfluorobutanesulfonic acid (PFBS) | ng/L | 100 | **0.53 J** | < 1.80 | < 1.75 | < 1.83 | NT |
| Perfluorobutanoic acid (PFBA) | ng/L | 100 | < 4.23 | < 4.51 | < 4.37 | < 4.57 | NT |
| Perfluorodecanesulfonic acid (PFDS) | ng/L | 100 | < 1.69 | < 1.80 | < 1.75 | < 1.83 | NT |
| Perfluorodecanoic acid (PFDA) | ng/L | 100 | < 1.69 | < 1.80 | < 1.75 | < 1.83 | NT |
| Perfluorododecanoic acid (PFDoA) | ng/L | 100 | < 1.69 | < 1.80 | < 1.75 | < 1.83 | NT |
| Perfluoroheptanesulfonic Acid (PFHpS) | ng/L | 100 | < 1.69 | < 1.80 | < 1.75 | < 1.83 | NT |
| Perfluoroheptanoic acid (PFHpA) | ng/L | 100 | **0.42 J** | < 1.80 | < 1.75 | < 1.83 | NT |
| Perfluorohexanesulfonic acid (PFHxS) | ng/L | 100 | **0.61 J** | < 1.80 | < 1.75 | < 1.83 | NT |
| Perfluorohexanoic acid (PFHxA) | ng/L | 100 | < 1.69 | < 1.80 | < 1.75 | < 1.83 | NT |
| Perfluorononanoic acid (PFNA) | ng/L | 100 | < 1.69 | < 1.80 | < 1.75 | < 1.83 | NT |
| Perfluorooctanesulfonamide (PFOSA) | ng/L | 100 | < 1.69 | < 1.80 | < 1.75 | < 1.83 | NT |
| Perfluorooctanesulfonic acid (PFOS) | ng/L | 10 | **1.58 J** | < 1.80 | < 1.75 | **0.095 J** | NT |
| Perfluorooctanoic acid (PFOA) | ng/L | 10 | **1.63 J** | < 1.80 | < 1.75 | < 1.83 | NT |
| Perfluoropentanoic acid (PFPeA) | ng/L | 100 | < 1.69 | < 1.80 | < 1.75 | < 1.83 | NT |
| Perfluorotetradecanoic acid (PFTeA) | ng/L | 100 | < 1.69 | < 1.80 | < 1.75 | < 1.83 | NT |
| Perfluorotridecanoic acid (PFTriA) | ng/L | 100 | < 1.69 | < 1.80 | < 1.75 | < 1.83 | NT |
| Perfluoroundecanoic acid (PFUnA) | ng/L | 100 | < 1.69 | < 1.80 | < 1.75 | < 1.83 | NT |
| PFOS and PFOA | ng/L | 70 [8] | **3.21** | 0 | 0 | **0.095** | NT |
| Total PFAS | ng/L | 500 | **6.14** | **2.21** | **1.0** | **1.485** | NT |
| **Metals (SW846 6010C/7196A,EPA 245.1/7470A)** | | | | | | | |
| Iron | mg/L | 0.3 | **2.05** | **1.46** | **0.716** | **0.276** | NT |
| Manganese | mg/L | 0.3 | **0.512** | **1.46** | **1.33** | **0.0398** | NT |
| Potassium | mg/L | NE | **4.33** | < 1.00 | < 1.00 | < 1.00 | NT |
| Sodium | mg/L | 20 | **12.0** | **7.12** | **7.35** | **6.03** | NT |
| Aluminum | mg/L | NE | **1.48** | **0.813** | **0.375** | **0.186** | NT |
| Antimony | mg/L | 0.003 | < 0.0600 | < 0.0600 | < 0.0600 | < 0.0600 | NT |
| Arsenic | mg/L | 0.025 | < 0.00800 | < 0.00800 | < 0.00800 | < 0.00800 | NT |
| Barium | mg/L | 1 | **0.0425** | **0.0314** | **0.0300** | **0.0198** | NT |
| Beryllium | mg/L | 0.003 | < 0.0040 | < 0.0040 | < 0.0040 | < 0.0040 | NT |
| Cadmium | mg/L | 0.005 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | NT |
| Calcium | mg/L | NE | **4.76** | **1.57** | **1.52** | **10.6** | NT |
| Chromium | mg/L | 0.05 | < 0.0200 | < 0.0200 | < 0.0200 | < 0.0200 | NT |
| Cobalt | mg/L | NE | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | NT |
| Copper | mg/L | 0.2 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | NT |
| Lead | mg/L | 0.025 | < 0.0150 | < 0.0150 | < 0.0150 | < 0.0150 | NT |
| Magnesium | mg/L | 35 | **2.12** | **1.07** | **1.03** | **0.978** | NT |
| Nickel | mg/L | 0.1 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | NT |
| Selenium | mg/L | 0.01 | < 0.0300 | < 0.0300 | < 0.0300 | < 0.0300 | NT |
| Silver | mg/L | 0.05 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | NT |
| Thallium | mg/L | 0.0005 | < 0.0110 | < 0.0110 | < 0.0110 | < 0.0110 | NT |
| Vanadium | mg/L | NE | < 0.0270 | < 0.0270 | < 0.0270 | < 0.0270 | NT |
| Zinc | mg/L | 2 | < 0.0200 | < 0.0200 | < 0.0200 | < 0.0200 | NT |
| Cr (VI) | µg/L | 50 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | NT |
| Mercury | mg/L | 0.0007 | < 0.00040 | < 0.00040 | < 0.00040 | < 0.00040 | NT |

**Table 5-Groundwater Sample Results**
**South Fork Export Cable-LIRR**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | NY Ambient Water Quality Standards and Guidance Values | SC60368-03 | SC60368-02 | SC60368-04 | SC60368-01 | SC60368-05 |
|---|---|---|---|---|---|---|---|
| PARAMETERS | | | MW-21B | MW-26A | | MW-28A | Trip Blank |
| Matrix: | | GA | Ground Water | Ground Water | Ground Water - BD | Ground Water | Trip Blank |
| Well Screen Depth: | | | 9.2-19.2 ft bgs | 4-19 ft bgs | 4-19 ft bgs | 9.8-24.8 ft bgs | |
| Sample Date: | | | 12/30/2020 | 12/30/2020 | 12/30/2020 | 12/30/2020 | 12/30/2020 |
| **Pesticides (SW846 8081B)** | | | | | | | |
| alpha-BHC | µg/L | NE | < 0.026 | < 0.026 | < 0.026 | < 0.026 | NT |
| beta-BHC | µg/L | NE | < 0.026 | < 0.026 | < 0.026 | < 0.026 | NT |
| delta-BHC | µg/L | NE | < 0.026 | < 0.026 | < 0.026 | < 0.026 | NT |
| gamma-BHC (Lindane) | µg/L | NE | < 0.026 | < 0.026 | < 0.026 | < 0.026 | NT |
| Heptachlor | µg/L | 0.04 | < 0.026 | < 0.026 | < 0.026 | < 0.026 | NT |
| Aldrin | µg/L | ND | < 0.026 | < 0.026 | < 0.026 | < 0.026 | NT |
| Heptachlor epoxide | µg/L | 0.03 | < 0.026 | < 0.026 | < 0.026 | < 0.026 | NT |
| Endosulfan I | µg/L | NE | < 0.026 | < 0.026 | < 0.026 | < 0.026 | NT |
| Dieldrin | µg/L | 0.004 | < 0.026 | < 0.026 | < 0.026 | < 0.026 | NT |
| 4,4'-DDE (p,p') | µg/L | 0.2 | < 0.026 | < 0.026 | < 0.026 | < 0.026 | NT |
| Endrin | µg/L | ND | < 0.053 | < 0.053 | < 0.053 | < 0.053 | NT |
| Endosulfan II | µg/L | NE | < 0.053 | < 0.053 | < 0.053 | < 0.053 | NT |
| 4,4'-DDD (p,p') | µg/L | 0.3 | < 0.053 | < 0.053 | < 0.053 | < 0.053 | NT |
| Endosulfan sulfate | µg/L | NE | < 0.053 | < 0.053 | < 0.053 | < 0.053 | NT |
| 4,4'-DDT (p,p') | µg/L | 0.2 | < 0.053 | < 0.053 | < 0.053 | < 0.053 | NT |
| Methoxychlor | µg/L | 35 | < 0.053 | < 0.053 | < 0.053 | < 0.053 | NT |
| Endrin ketone | µg/L | 5 | < 0.053 | < 0.053 | < 0.053 | < 0.053 | NT |
| Endrin aldehyde | µg/L | 5 | < 0.053 | < 0.053 | < 0.053 | < 0.053 | NT |
| alpha-Chlordane | µg/L | NE | < 0.026 | < 0.026 | < 0.026 | < 0.026 | NT |
| gamma-Chlordane | µg/L | NE | < 0.026 | < 0.026 | < 0.026 | < 0.026 | NT |
| Toxaphene | µg/L | 0.06 | < 0.526 | < 0.526 | < 0.526 | < 0.526 | NT |
| Chlordane | µg/L | 0.05 | < 0.263 | < 0.263 | < 0.263 | < 0.263 | NT |
| Alachlor | µg/L | 0.5 | < 0.026 | < 0.026 | < 0.026 | < 0.026 | NT |
| **Polychlorinated Biphenyls (SW846 8082A)** | | | | | | | |
| Aroclor-1016 | µg/L | 5 | < 0.263 | < 0.263 | < 0.263 | < 0.263 | NT |
| Aroclor-1221 | µg/L | 5 | < 0.263 | < 0.263 | < 0.263 | < 0.263 | NT |
| Aroclor-1232 | µg/L | 5 | < 0.263 | < 0.263 | < 0.263 | < 0.263 | NT |
| Aroclor-1242 | µg/L | 5 | < 0.263 | < 0.263 | < 0.263 | < 0.263 | NT |
| Aroclor-1248 | µg/L | 5 | < 0.263 | < 0.263 | < 0.263 | < 0.263 | NT |
| Aroclor-1254 | µg/L | 5 | < 0.263 | < 0.263 | < 0.263 | < 0.263 | NT |
| Aroclor-1260 | µg/L | 5 | < 0.263 | < 0.263 | < 0.263 | < 0.263 | NT |
| Aroclor-1262 | µg/L | 5 | < 0.263 | < 0.263 | < 0.263 | < 0.263 | NT |
| Aroclor-1268 | µg/L | 5 | < 0.263 | < 0.263 | < 0.263 | < 0.263 | NT |
| **Herbicides (SW846 8151A)** | | | | | | | |
| 2,4,5-T | µg/L | NE | < 1.2 | < 1.2 | < 1.2 | < 1.2 | NT |
| 2,4-D | µg/L | NE | < 1.2 | < 1.2 | < 1.2 | < 1.2 | NT |
| Silvex (2,4,5-TP) | µg/L | NE | < 1.2 | < 1.2 | < 1.2 | < 1.2 | NT |

**Table 5-Groundwater Sample Results**
**South Fork Export Cable-LIRR**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | NY Ambient Water Quality Standards and Guidance Values | SC60368-03 | SC60368-02 | SC60368-04 | SC60368-01 | SC60368-05 |
|---|---|---|---|---|---|---|---|
| PARAMETERS | | | MW-21B | MW-26A | | MW-28A | Trip Blank |
| Matrix: | | GA | Ground Water | Ground Water | Ground Water - BD | Ground Water | Trip Blank |
| Well Screen Depth: | | | 9.2-19.2 ft bgs | 4-19 ft bgs | 4-19 ft bgs | 9.8-24.8 ft bgs | |
| Sample Date: | | | 12/30/2020 | 12/30/2020 | 12/30/2020 | 12/30/2020 | 12/30/2020 |
| **Volatile Organic Compounds (SW846 8260C)** | | | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | µg/L | NE | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Acetone | µg/L | 50 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 |
| Benzene | µg/L | 1 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Bromochloromethane | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Bromodichloromethane | µg/L | 50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Bromoform | µg/L | 50 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Bromomethane | µg/L | 5 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| 2-Butanone (MEK) | µg/L | 50 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| n-Butylbenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| sec-Butylbenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| tert-Butylbenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Carbon disulfide | µg/L | 60 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| Carbon tetrachloride | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Chlorobenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Chloroethane | µg/L | 5 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| Chloroform | µg/L | 7 | < 1.00 | **1.64** | **2.29** | < 1.00 | < 1.00 |
| Chloromethane | µg/L | NE | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| 1,2-Dibromo-3-chloropropane | µg/L | 0.04 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| Dibromochloromethane | µg/L | 50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| 1,2-Dibromoethane (EDB) | µg/L | 0.0006 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| 1,2-Dichlorobenzene | µg/L | 3 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,3-Dichlorobenzene | µg/L | 3 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,4-Dichlorobenzene | µg/L | 3 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Dichlorodifluoromethane (Freon12) | µg/L | 5 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| 1,1-Dichloroethane | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,2-Dichloroethane | µg/L | 0.6 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,1-Dichloroethene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| cis-1,2-Dichloroethene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| trans-1,2-Dichloroethene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,2-Dichloropropane | µg/L | 1 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| cis-1,3-Dichloropropene | µg/L | NE | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| trans-1,3-Dichloropropene | µg/L | NE | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Ethylbenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 2-Hexanone (MBK) | µg/L | 50 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| Isopropylbenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 4-Isopropyltoluene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Methyl tert-butyl ether | µg/L | 10 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 4-Methyl-2-pentanone (MIBK) | µg/L | NE | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| Methylene chloride | µg/L | 5 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| Naphthalene | µg/L | 10 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| n-Propylbenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Styrene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,1,2,2-Tetrachloroethane | µg/L | 5 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Tetrachloroethene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Toluene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,2,3-Trichlorobenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,2,4-Trichlorobenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,1,1-Trichloroethane | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,1,2-Trichloroethane | µg/L | 1 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Trichloroethene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Trichlorofluoromethane (Freon 11) | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,2,4-Trimethylbenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,3,5-Trimethylbenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Vinyl chloride | µg/L | 2 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| m,p-Xylene | µg/L | 5 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| o-Xylene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Cyclohexane | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Methyl acetate | µg/L | NE | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 |

**Table 5-Groundwater Sample Results**
**South Fork Export Cable-LIRR**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | NY Ambient Water Quality Standards and Guidance Values | SC60368-03 | SC60368-02 | SC60368-04 | SC60368-01 | SC60368-05 |
|---|---|---|---|---|---|---|---|
| PARAMETERS | | | MW-21B | MW-26A | | MW-28A | Trip Blank |
| Matrix: | | GA | Ground Water | Ground Water | Ground Water - BD | Ground Water | Trip Blank |
| Well Screen Depth: | | | 9.2-19.2 ft bgs | 4-19 ft bgs | 4-19 ft bgs | 9.8-24.8 ft bgs | |
| Sample Date: | | | 12/30/2020 | 12/30/2020 | 12/30/2020 | 12/30/2020 | 12/30/2020 |
| **Semi-Volatile Organic Compounds (SW846 8270D/8270E)** | | | | | | | |
| Methylcyclohexane | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Acenaphthene | µg/L | 20 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| Acenaphthylene | µg/L | NE | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| Aniline | µg/L | 5 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| Anthracene | µg/L | 50 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| Azobenzene/Diphenyldiazene | µg/L | 5 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| Benzidine | µg/L | 5 | < 10.5 | < 10.5 | < 10.5 | < 10.5 | NT |
| Benzo (a) anthracene | µg/L | 0.002 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| Benzo (a) pyrene | µg/L | NE | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| Benzo (b) fluoranthene | µg/L | 0.002 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| Benzo (g,h,i) perylene | µg/L | NE | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| Benzo (k) fluoranthene | µg/L | 0.002 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| Benzoic acid | µg/L | NE | < 10.5 | < 10.5 | < 10.5 | < 10.5 | NT |
| Benzyl alcohol | µg/L | NE | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| Bis(2-chloroethoxy)methane | µg/L | 5 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| Bis(2-chloroethyl)ether | µg/L | 1 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| Bis(2-chloroisopropyl)ether | µg/L | NE | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| Bis(2-ethylhexyl)phthalate | µg/L | 5 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| 4-Bromophenyl phenyl ether | µg/L | NE | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| Butyl benzyl phthalate | µg/L | 50 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| Carbazole | µg/L | NE | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| 4-Chloro-3-methylphenol | µg/L | NE | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| 4-Chloroaniline | µg/L | 5 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| 2-Chloronaphthalene | µg/L | 10 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| 2-Chlorophenol | µg/L | NE | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| 4-Chlorophenyl phenyl ether | µg/L | NE | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| Chrysene | µg/L | 0.002 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| Dibenzo (a,h) anthracene | µg/L | NE | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| Dibenzofuran | µg/L | NE | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| 1,2-Dichlorobenzene | µg/L | 3 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| 1,3-Dichlorobenzene | µg/L | 3 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| 1,4-Dichlorobenzene | µg/L | 3 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| 3,3´-Dichlorobenzidine | µg/L | 5 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| 2,4-Dichlorophenol | µg/L | 5 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| Diethyl phthalate | µg/L | 50 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| Dimethyl phthalate | µg/L | 50 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| 2,4-Dimethylphenol | µg/L | 50 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| Di-n-butyl phthalate | µg/L | 50 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| 4,6-Dinitro-2-methylphenol | µg/L | NE | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| 2,4-Dinitrophenol | µg/L | 10 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| 2,4-Dinitrotoluene | µg/L | 5 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| 2,6-Dinitrotoluene | µg/L | 5 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| Di-n-octyl phthalate | µg/L | 50 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| Fluoranthene | µg/L | 50 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| Fluorene | µg/L | 50 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| Hexachlorobenzene | µg/L | 0.04 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| Hexachlorobutadiene | µg/L | 0.5 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| Hexachlorocyclopentadiene | µg/L | 5 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| Hexachloroethane | µg/L | 5 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| Indeno (1,2,3-cd) pyrene | µg/L | 0.002 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| Isophorone | µg/L | 50 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| 2-Methylnaphthalene | µg/L | NE | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| 2-Methylphenol | µg/L | NE | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| 3 & 4-Methylphenol | µg/L | NE | < 10.5 | < 10.5 | < 10.5 | < 10.5 | NT |
| Naphthalene | µg/L | 10 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| 2-Nitroaniline | µg/L | 5 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| 3-Nitroaniline | µg/L | 5 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| 4-Nitroaniline | µg/L | 5 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| Nitrobenzene | µg/L | 0.4 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |

**Table 5-Groundwater Sample Results**
**South Fork Export Cable-LIRR**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | NY Ambient Water Quality Standards and Guidance Values | SC60368-03 | SC60368-02 | SC60368-04 | SC60368-01 | SC60368-05 |
|---|---|---|---|---|---|---|---|
| PARAMETERS | | | MW-21B | MW-26A | | MW-28A | Trip Blank |
| Matrix: | | GA | Ground Water | Ground Water | Ground Water - BD | Ground Water | Trip Blank |
| Well Screen Depth: | | | 9.2-19.2 ft bgs | 4-19 ft bgs | 4-19 ft bgs | 9.8-24.8 ft bgs | |
| Sample Date: | | | 12/30/2020 | 12/30/2020 | 12/30/2020 | 12/30/2020 | 12/30/2020 |
| **Semi-Volatile Organic Compounds (SW846 8270D/8270E)** | | | | | | | |
| 2-Nitrophenol | µg/L | NE | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| 4-Nitrophenol | µg/L | NE | < 21.1 | < 21.1 | < 21.1 | < 21.1 | NT |
| N-Nitrosodimethylamine | µg/L | NE | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| N-Nitrosodi-n-propylamine | µg/L | NE | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| N-Nitrosodiphenylamine | µg/L | NE | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| Pentachlorophenol | µg/L | 1 | < 21.1 | < 21.1 | < 21.1 | < 21.1 | NT |
| Phenanthrene | µg/L | 50 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| Phenol | µg/L | 1 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| Pyrene | µg/L | 50 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| Pyridine | µg/L | 50 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| 1,2,4-Trichlorobenzene | µg/L | 5 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| 1-Methylnaphthalene | µg/L | NE | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| 2,4,5-Trichlorophenol | µg/L | NE | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| 2,4,6-Trichlorophenol | µg/L | NE | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| Pentachloronitrobenzene | µg/L | ND | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| 1,2,4,5-Tetrachlorobenzene | µg/L | 5 | < 5.26 | < 5.26 | < 5.26 | < 5.26 | NT |
| 1,4-Dioxane | µg/L | 1 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | NT |
| **Classical Chemistry (SW846 9012B)** | | | | | | | |
| Cyanide, Total | mg/L | 0.2 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | NT |

Notes
1. "<" indicates the parameter is not detected.
2."NE" indicates a standard for the parameter is not established.
3. "NT" indicates that the parameter was not tested for.
4. Bold values indicate the constituent was detected above the laboratory reporting limit. Yellow highlight indicates an exceedance of NY's GA Ambient Water Quality Standards and Guidance Values.
5. "BD" indicates the soil sample is a blind duplicate sample.
6. "J" indicates the result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
7. Phenolic compound criteria apply to total phenols.
8. NYSDEC Screening Levels and United States Environmental Protection Agency Drinking Water Health Advisory for PFOA and PFAS. A guidance value of 100 ng/L was used for any PFAS compound (excluding PFOS and PFOA) and a guidance value of 500 ng/L was used for total PFAS, as described in NYDEC's Sampling, Analysis and Assessment of Per- and Polyfluoroalkyl Substances (PFAS), dated January 2021.

**Table 6-Volatile Organic Compound Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | | | | | | | | SC60397-01 | SC60406-01 | SC60406-02 | SC60406-03 | SC60397-04 | SC60397-05 | SC60397-06 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | UNITS | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | SB-1A | SB-1B-1 | SB-1B-2 | | SB-2A-1 | SB-2A-2 | SB-2A-3 |
| Matrix: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | Protection of GW | Grab Soil | Grab Soil | Grab Soil | Grab Soil - BD | Grab Soil | Grab Soil | Grab Soil |
| Sample Depth: | | | | | | | | 3 ft | 2 ft | 4 ft | 4 ft | 5 ft | 9 ft | 14 ft |
| Sample Date: | | | | | | | | 1/6/2021 | 1/7/2021 | 1/7/2021 | 1/7/2021 | 1/6/2021 | 1/6/2021 | 1/6/2021 |
| **TCLP Volatile Organic Compounds (SW846 1311/8260C)** | | | | | | | | | | | | | | |
| Benzene | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | < 10.0 | NT | NT |
| 2-Butanone (MEK) | µg/L | NE | NE | NE | NE | NE | NE | NT | < 20.0 | NT | NT | < 20.0 | NT | NT |
| Carbon tetrachloride | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | < 10.0 | NT | NT |
| Chlorobenzene | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | < 10.0 | NT | NT |
| Chloroform | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | < 10.0 | NT | NT |
| 1,2-Dichloroethane | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | < 10.0 | NT | NT |
| 1,1-Dichloroethene | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | < 10.0 | NT | NT |
| Tetrachloroethene | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | < 10.0 | NT | NT |
| Trichloroethene | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | < 10.0 | NT | NT |
| Vinyl chloride | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | < 10.0 | NT | NT |
| **Volatile Organic Compounds (SW846 8260D)** | | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | ug/kg | 100000 | 100000 | 500000 | 1000000 | 680 | 680 | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| 1,1,2,2-Tetrachloroethane | ug/kg | 35000 | NE | NE | NE | NE | 600 | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon) | ug/kg | 100000 | NE | NE | NE | NE | 6000 | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| 1,1,2-Trichloroethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| 1,1-Dichloroethane | ug/kg | 19000 | 26000 | 240000 | 480000 | 270 | 270 | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| 1,1-Dichloroethene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 330 | 330 | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| 1,2,3-Trichlorobenzene | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| 1,2,4-Trichlorobenzene | ug/kg | NE | NE | NE | NE | NE | 3400 | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| 1,2,4-Trimethylbenzene | ug/kg | 47000 | 52000 | 190000 | 380000 | 3600 | 3600 | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| 1,2-Dibromo-3-Chloropropane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| 1,2-Dichlorobenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 1100 | 1100 | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| 1,2-Dichloroethane | ug/kg | 2300 | 3100 | 30000 | 60000 | 20 | 20 | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| 1,2-Dichloropropane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| 1,3,5-Trimethylbenzene | ug/kg | 47000 | 52000 | 190000 | 380000 | 8400 | 8400 | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| 1,3-Dichlorobenzene | ug/kg | 17000 | 49000 | 280000 | 560000 | 2400 | 2400 | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| 1,4-Dichlorobenzene | ug/kg | 9800 | 13000 | 130000 | 250000 | 1800 | 1800 | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| 2-Butanone (MEK) | ug/kg | 100000 | 100000 | 500000 | 1000000 | 120 | 120 | < 5.4 | < 4.9 | < 5.8 | < 6.5 | < 3.6 | < 5.2 | < 4.8 |
| 2-Hexanone | ug/kg | NE | NE | NE | NE | NE | NE | < 5.4 | < 4.9 | < 5.8 | < 6.5 | < 3.6 | < 5.2 | < 4.8 |
| 4-Isopropyltoluene | ug/kg | NE | NE | NE | NE | NE | 10000 | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| 4-Methyl-2-pentanone (MIBK) | ug/kg | NE | NE | NE | NE | NE | 1000 | < 5.4 | < 4.9 | < 5.8 | < 6.5 | < 3.6 | < 5.2 | < 4.8 |
| Acetone | ug/kg | 100000 | 100000 | 500000 | 1000000 | 50 | 50 | **29** | **6.9** | < 6.9 | < 7.8 | **13** | < 6.3 | < 5.8 |
| Benzene | ug/kg | 2900 | 4800 | 44000 | 89000 | 60 | 60 | < 1.1 | < 0.97 | < 1.2 | < 2.4 | < 0.71 | < 1.0 | < 0.96 |
| Bromoform | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| Bromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 2.2 | < 1.9 | < 2.3 | < 2.6 | < 1.4 | < 2.1 | < 1.9 |
| Carbon disulfide | ug/kg | 100000 | NE | NE | NE | NE | 2700 | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| Carbon tetrachloride | ug/kg | 1400 | 2400 | 22000 | 44000 | 760 | 760 | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| Chlorobenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 1100 | 1100 | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| Chlorobromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| Chlorodibromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| Chloroethane | ug/kg | NE | NE | NE | NE | NE | 1900 | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| Chloroform | ug/kg | 10000 | 49000 | 350000 | 700000 | 370 | 370 | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| Chloromethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| cis-1,2-Dichloroethene | ug/kg | 59000 | 100000 | 500000 | 1000000 | 250 | 250 | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| cis-1,3-Dichloropropene | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| Cyclohexane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| Dichlorobromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| Dichlorodifluoromethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| Ethylbenzene | ug/kg | 30000 | 41000 | 390000 | 780000 | 1000 | 1000 | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| Ethylene Dibromide (1,2-Dibromoethane, EDB) | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| Isopropylbenzene | ug/kg | 100000 | NE | NE | NE | NE | 2300 | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| Methyl acetate | ug/kg | NE | NE | NE | NE | NE | NE | < 5.4 | < 4.9 | < 5.8 | < 6.5 | < 3.6 | < 5.2 | < 4.8 |
| Methyl tert-butyl ether | ug/kg | 62000 | 100000 | 500000 | 1000000 | 930 | 930 | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| Methylcyclohexane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| Methylene Chloride | ug/kg | 51000 | 100000 | 500000 | 1000000 | 50 | 50 | < 2.2 | < 1.9 | < 2.3 | < 2.6 | < 1.4 | < 2.1 | < 1.9 |

**Table 6-Volatile Organic Compound Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | | | | | | | | SC60397-01 | SC60406-01 | SC60406-02 | SC60406-03 | SC60397-04 | SC60397-05 | SC60397-06 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | UNITS | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | SB-1A | SB-1B-1 | SB-1B-2 | | SB-2A-1 | SB-2A-2 | SB-2A-3 |
| Matrix: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | Protection of GW | Grab Soil | Grab Soil | Grab Soil | Grab Soil - BD | Grab Soil | Grab Soil | Grab Soil |
| Sample Depth: | | | | | | | | 3 ft | 2 ft | 4 ft | 4 ft | 5 ft | 9 ft | 14 ft |
| Sample Date: | | | | | | | | 1/6/2021 | 1/7/2021 | 1/7/2021 | 1/7/2021 | 1/6/2021 | 1/6/2021 | 1/6/2021 |
| **Volatile Organic Compounds (SW846 8260D)** | | | | | | | | | | | | | | |
| m-Xylene & p-Xylene | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| Naphthalene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 12000 | NE | < 1.6 | < 1.5 | < 1.7 | < 2.0 | < 1.1 | < 1.6 | < 1.4 |
| n-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 12000 | 12000 | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| N-Propylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 3900 | 3900 | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| o-Xylene | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| sec-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 11000 | 11000 | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| Styrene | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| tert-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 5900 | 5900 | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| Tetrachloroethene | ug/kg | 5500 | 19000 | 150000 | 300000 | 1300 | 1300 | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| Toluene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 700 | 700 | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| trans-1,2-Dichloroethene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 190 | 190 | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| trans-1,3-Dichloropropene | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| Trichloroethene | ug/kg | 10000 | 21000 | 200000 | 400000 | 470 | 470 | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| Trichlorofluoromethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| Vinyl chloride | ug/kg | 210 | 900 | 13000 | 27000 | 20 | 20 | < 1.1 | < 0.97 | < 1.2 | < 1.3 | < 0.71 | < 1.0 | < 0.96 |
| Xylenes, Total | ug/kg | 100000 | 100000 | 500000 | 1000000 | 260 | 1600 | < 2.2 | < 1.9 | < 2.3 | < 2.6 | < 1.4 | < 2.1 | < 1.9 |

Notes
1. "<" indicates the parameter is not detected.
2."NE" indicates a standard for the parameter is not established.
3. "NT" indicates that the parameter was not tested for.
4. "BD" indicates the soil sample is a blind duplicate sample.
5. Bold values indicate the consituent was detected above the laboratory reporting limit.
6. "J" indicates the result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

**Table 6-Volatile Organic Compound Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | | | | | | | | SC60397-02 | SC60397-03 | SC60406-04 | SC60406-05 | SC60406-07 | SC60406-09 | SC60406-10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | UNITS | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | SB-2B-1 | SB-2B-2 | SB-3A | SB-3B | SB-4A | SB-4B-1 | SB-4B-2 |
| Matrix: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | Protection of GW | Grab Soil | Grab Soil | Grab Soil | Grab Soil | Grab Soil | Grab Soil | Grab Soil |
| Sample Depth: | | | | | | | | 5 ft | 9 ft | 3 ft | 4 ft | 5 ft | 2 ft | 5 ft |
| Sample Date: | | | | | | | | 1/6/2021 | 1/6/2021 | 1/7/2021 | 1/7/2021 | 1/7/2021 | 1/7/2021 | 1/7/2021 |
| **TCLP Volatile Organic Compounds (SW846 1311/8260C)** | | | | | | | | | | | | | | |
| Benzene | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | < 10.0 | < 10.0 | < 10.0 | NT |
| 2-Butanone (MEK) | µg/L | NE | NE | NE | NE | NE | NE | < 20.0 | NT | < 20.0 | < 20.0 | < 20.0 | < 20.0 | NT |
| Carbon tetrachloride | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | < 10.0 | < 10.0 | < 10.0 | NT |
| Chlorobenzene | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | < 10.0 | < 10.0 | < 10.0 | NT |
| Chloroform | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | < 10.0 | < 10.0 | < 10.0 | NT |
| 1,2-Dichloroethane | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | < 10.0 | < 10.0 | < 10.0 | NT |
| 1,1-Dichloroethene | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | < 10.0 | < 10.0 | < 10.0 | NT |
| Tetrachloroethene | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | < 10.0 | < 10.0 | < 10.0 | NT |
| Trichloroethene | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | < 10.0 | < 10.0 | < 10.0 | NT |
| Vinyl chloride | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | < 10.0 | < 10.0 | < 10.0 | NT |
| **Volatile Organic Compounds (SW846 8260D)** | | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | ug/kg | 100000 | 100000 | 500000 | 1000000 | 680 | 680 | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| 1,1,2,2-Tetrachloroethane | ug/kg | 35000 | NE | NE | NE | NE | 600 | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon) | ug/kg | 100000 | NE | NE | NE | NE | 6000 | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| 1,1,2-Trichloroethane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| 1,1-Dichloroethane | ug/kg | 19000 | 26000 | 240000 | 480000 | 270 | 270 | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| 1,1-Dichloroethene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 330 | 330 | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| 1,2,3-Trichlorobenzene | ug/kg | NE | NE | NE | NE | NE | NE | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| 1,2,4-Trichlorobenzene | ug/kg | NE | NE | NE | NE | NE | 3400 | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| 1,2,4-Trimethylbenzene | ug/kg | 47000 | 52000 | 190000 | 380000 | 3600 | 3600 | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| 1,2-Dibromo-3-Chloropropane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| 1,2-Dichlorobenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 1100 | 1100 | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| 1,2-Dichloroethane | ug/kg | 2300 | 3100 | 30000 | 60000 | 20 | 20 | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| 1,2-Dichloropropane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| 1,3,5-Trimethylbenzene | ug/kg | 47000 | 52000 | 190000 | 380000 | 8400 | 8400 | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| 1,3-Dichlorobenzene | ug/kg | 17000 | 49000 | 280000 | 560000 | 2400 | 2400 | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| 1,4-Dichlorobenzene | ug/kg | 9800 | 13000 | 130000 | 250000 | 1800 | 1800 | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| 2-Butanone (MEK) | ug/kg | 100000 | 100000 | 500000 | 1000000 | 120 | 120 | < 3.9 | < 5.1 | < 5.2 | < 5.2 | < 5.7 | < 5.9 | < 5.3 |
| 2-Hexanone | ug/kg | NE | NE | NE | NE | NE | NE | < 3.9 | < 5.1 | < 5.2 | < 5.2 | < 5.7 | < 5.9 | < 5.3 |
| 4-Isopropyltoluene | ug/kg | NE | NE | NE | NE | NE | 10000 | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| 4-Methyl-2-pentanone (MIBK) | ug/kg | NE | NE | NE | NE | NE | 1000 | < 3.9 | < 5.1 | < 5.2 | < 5.2 | < 5.7 | < 5.9 | < 5.3 |
| Acetone | ug/kg | 100000 | 100000 | 500000 | 1000000 | 50 | 50 | **7.3** | < 6.1 | **19** | < 6.3 | < 6.9 | < 7.0 | < 6.3 |
| Benzene | ug/kg | 2900 | 4800 | 44000 | 89000 | 60 | 60 | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| Bromoform | ug/kg | NE | NE | NE | NE | NE | NE | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| Bromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.6 | < 2.0 | < 2.1 | < 2.1 | < 2.3 | < 2.3 | < 2.1 |
| Carbon disulfide | ug/kg | 100000 | NE | NE | NE | NE | 2700 | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| Carbon tetrachloride | ug/kg | 1400 | 2400 | 22000 | 44000 | 760 | 760 | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| Chlorobenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 1100 | 1100 | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| Chlorobromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| Chlorodibromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| Chloroethane | ug/kg | NE | NE | NE | NE | NE | 1900 | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| Chloroform | ug/kg | 10000 | 49000 | 350000 | 700000 | 370 | 370 | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| Chloromethane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| cis-1,2-Dichloroethene | ug/kg | 59000 | 100000 | 500000 | 1000000 | 250 | 250 | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| cis-1,3-Dichloropropene | ug/kg | NE | NE | NE | NE | NE | NE | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| Cyclohexane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| Dichlorobromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| Dichlorodifluoromethane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| Ethylbenzene | ug/kg | 30000 | 41000 | 390000 | 780000 | 1000 | 1000 | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| Ethylene Dibromide (1,2-Dibromoethane, EDB) | ug/kg | NE | NE | NE | NE | NE | NE | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| Isopropylbenzene | ug/kg | 100000 | NE | NE | NE | NE | 2300 | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| Methyl acetate | ug/kg | NE | NE | NE | NE | NE | NE | < 3.9 | < 5.1 | < 5.2 | < 5.2 | < 5.7 | < 5.9 | < 5.3 |
| Methyl tert-butyl ether | ug/kg | 62000 | 100000 | 500000 | 1000000 | 930 | 930 | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| Methylcyclohexane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| Methylene Chloride | ug/kg | 51000 | 100000 | 500000 | 1000000 | 50 | 50 | < 1.6 | < 2.0 | < 2.1 | < 2.1 | < 2.3 | < 2.3 | < 2.1 |

**Table 6-Volatile Organic Compound Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | SC60397-02 | SC60397-03 | SC60406-04 | SC60406-05 | SC60406-07 | SC60406-09 | SC60406-10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | UNITS | | | | | | | SB-2B-1 | SB-2B-2 | SB-3A | SB-3B | SB-4A | SB-4B-1 | SB-4B-2 |
| Matrix: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | Protection of GW | Grab Soil | Grab Soil | Grab Soil | Grab Soil | Grab Soil | Grab Soil | Grab Soil |
| Sample Depth: | | | | | | | | 5 ft | 9 ft | 3 ft | 4 ft | 5 ft | 2 ft | 5 ft |
| Sample Date: | | | | | | | | 1/6/2021 | 1/6/2021 | 1/7/2021 | 1/7/2021 | 1/7/2021 | 1/7/2021 | 1/7/2021 |
| **Volatile Organic Compounds (SW846 8260D)** | | | | | | | | | | | | | | |
| m-Xylene & p-Xylene | ug/kg | NE | NE | NE | NE | NE | NE | **0.21 J** | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| Naphthalene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 12000 | NE | < 1.2 | < 1.5 | < 1.6 | < 1.6 | < 1.7 | < 1.8 | < 1.6 |
| n-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 12000 | 12000 | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| N-Propylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 3900 | 3900 | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| o-Xylene | ug/kg | NE | NE | NE | NE | NE | NE | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| sec-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 11000 | 11000 | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| Styrene | ug/kg | NE | NE | NE | NE | NE | NE | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| tert-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 5900 | 5900 | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| Tetrachloroethene | ug/kg | 5500 | 19000 | 150000 | 300000 | 1300 | 1300 | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| Toluene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 700 | 700 | **1.9** | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| trans-1,2-Dichloroethene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 190 | 190 | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| trans-1,3-Dichloropropene | ug/kg | NE | NE | NE | NE | NE | NE | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| Trichloroethene | ug/kg | 10000 | 21000 | 200000 | 400000 | 470 | 470 | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| Trichlorofluoromethane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| Vinyl chloride | ug/kg | 210 | 900 | 13000 | 27000 | 20 | 20 | < 0.79 | < 1.0 | < 1.0 | < 1.0 | < 1.1 | < 1.2 | < 1.1 |
| Xylenes, Total | ug/kg | 100000 | 100000 | 500000 | 1000000 | 260 | 1600 | < 1.6 | < 2.0 | < 2.1 | < 2.1 | < 2.3 | < 2.3 | < 2.1 |

Notes
1. "<" indicates the parameter is not detected.
2."NE" indicates a standard for the parameter is not established.
3. "NT" indicates that the parameter was not tested for.
4. "BD" indicates the soil sample is a blind duplicate sample.
5. Bold values indicate the consituent was detected above the laboratory reporting limit.
6. "J" indicates the result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

**Table 6-Volatile Organic Compound Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | | | | | | | | SC60404-06 | SC60404-07 | SC60404-08 | SC60404-13 | SC60404-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | UNITS | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | SB-5A-1 | SB-5A-2 | SB-5B | SB-6A | SB-6B |
| Matrix: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | Protection of GW | Grab Soil | Grab Soil | Grab Soil | Grab Soil | Grab Soil |
| Sample Depth: | | | | | | | | 6 ft | 12 ft | 4 ft | 3 ft | 3 ft |
| Sample Date: | | | | | | | | 1/7/2021 | 1/7/2021 | 1/7/2021 | 1/6/2021 | 1/7/2021 |
| **TCLP Volatile Organic Compounds (SW846 1311/8260C)** | | | | | | | | | | | | |
| Benzene | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | < 10.0 | NT |
| 2-Butanone (MEK) | µg/L | NE | NE | NE | NE | NE | NE | NT | < 20.0 | NT | < 20.0 | NT |
| Carbon tetrachloride | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | < 10.0 | NT |
| Chlorobenzene | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | < 10.0 | NT |
| Chloroform | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | < 10.0 | NT |
| 1,2-Dichloroethane | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | < 10.0 | NT |
| 1,1-Dichloroethene | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | < 10.0 | NT |
| Tetrachloroethene | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | < 10.0 | NT |
| Trichloroethene | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | < 10.0 | NT |
| Vinyl chloride | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | < 10.0 | NT |
| **Volatile Organic Compounds (SW846 8260D)** | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | ug/kg | 100000 | 100000 | 500000 | 1000000 | 680 | 680 | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| 1,1,2,2-Tetrachloroethane | ug/kg | 35000 | NE | NE | NE | NE | 600 | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon) | ug/kg | 100000 | NE | NE | NE | NE | 6000 | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| 1,1,2-Trichloroethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| 1,1-Dichloroethane | ug/kg | 19000 | 26000 | 240000 | 480000 | 270 | 270 | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| 1,1-Dichloroethene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 330 | 330 | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| 1,2,3-Trichlorobenzene | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| 1,2,4-Trichlorobenzene | ug/kg | NE | NE | NE | NE | NE | 3400 | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| 1,2,4-Trimethylbenzene | ug/kg | 47000 | 52000 | 190000 | 380000 | 3600 | 3600 | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| 1,2-Dibromo-3-Chloropropane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| 1,2-Dichlorobenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 1100 | 1100 | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| 1,2-Dichloroethane | ug/kg | 2300 | 3100 | 30000 | 60000 | 20 | 20 | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| 1,2-Dichloropropane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| 1,3,5-Trimethylbenzene | ug/kg | 47000 | 52000 | 190000 | 380000 | 8400 | 8400 | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| 1,3-Dichlorobenzene | ug/kg | 17000 | 49000 | 280000 | 560000 | 2400 | 2400 | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| 1,4-Dichlorobenzene | ug/kg | 9800 | 13000 | 130000 | 250000 | 1800 | 1800 | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| 2-Butanone (MEK) | ug/kg | 100000 | 100000 | 500000 | 1000000 | 120 | 120 | < 5.7 | < 5.8 | < 5.5 | < 5.0 | < 4.5 |
| 2-Hexanone | ug/kg | NE | NE | NE | NE | NE | NE | < 5.7 | < 5.8 | < 5.5 | < 5.0 | < 4.5 |
| 4-Isopropyltoluene | ug/kg | NE | NE | NE | NE | NE | 10000 | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| 4-Methyl-2-pentanone (MIBK) | ug/kg | NE | NE | NE | NE | NE | 1000 | < 5.7 | < 5.8 | < 5.5 | < 5.0 | < 4.5 |
| Acetone | ug/kg | 100000 | 100000 | 500000 | 1000000 | 50 | 50 | < 6.8 | < 7.0 | < 6.6 | < 6.0 | < 5.4 |
| Benzene | ug/kg | 2900 | 4800 | 44000 | 89000 | 60 | 60 | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| Bromoform | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| Bromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 2.3 | < 2.3 | < 2.2 | < 2.0 | < 1.8 |
| Carbon disulfide | ug/kg | 100000 | NE | NE | NE | NE | 2700 | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| Carbon tetrachloride | ug/kg | 1400 | 2400 | 22000 | 44000 | 760 | 760 | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| Chlorobenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 1100 | 1100 | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| Chlorobromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| Chlorodibromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| Chloroethane | ug/kg | NE | NE | NE | NE | NE | 1900 | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| Chloroform | ug/kg | 10000 | 49000 | 350000 | 700000 | 370 | 370 | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| Chloromethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| cis-1,2-Dichloroethene | ug/kg | 59000 | 100000 | 500000 | 1000000 | 250 | 250 | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| cis-1,3-Dichloropropene | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| Cyclohexane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| Dichlorobromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| Dichlorodifluoromethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| Ethylbenzene | ug/kg | 30000 | 41000 | 390000 | 780000 | 1000 | 1000 | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| Ethylene Dibromide (1,2-Dibromoethane, EDB) | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| Isopropylbenzene | ug/kg | 100000 | NE | NE | NE | NE | 2300 | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| Methyl acetate | ug/kg | NE | NE | NE | NE | NE | NE | < 5.7 | < 5.8 | < 5.5 | < 5.0 | < 4.5 |
| Methyl tert-butyl ether | ug/kg | 62000 | 100000 | 500000 | 1000000 | 930 | 930 | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| Methylcyclohexane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| Methylene Chloride | ug/kg | 51000 | 100000 | 500000 | 1000000 | 50 | 50 | < 2.3 | < 2.3 | < 2.2 | < 2.0 | < 1.8 |

**Table 6-Volatile Organic Compound Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | | | | | | | | SC60404-06 | SC60404-07 | SC60404-08 | SC60404-13 | SC60404-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | UNITS | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | SB-5A-1 | SB-5A-2 | SB-5B | SB-6A | SB-6B |
| Matrix: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | Protection of GW | Grab Soil | Grab Soil | Grab Soil | Grab Soil | Grab Soil |
| Sample Depth: | | | | | | | | 6 ft | 12 ft | 4 ft | 3 ft | 3 ft |
| Sample Date: | | | | | | | | 1/7/2021 | 1/7/2021 | 1/7/2021 | 1/6/2021 | 1/7/2021 |
| **Volatile Organic Compounds (SW846 8260D)** | | | | | | | | | | | | |
| m-Xylene & p-Xylene | ug/kg | NE | NE | NE | NE | NE | NE | **0.32 J** | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| Naphthalene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 12000 | NE | < 1.7 | < 1.8 | < 1.7 | < 1.5 | < 1.4 |
| n-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 12000 | 12000 | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| N-Propylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 3900 | 3900 | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| o-Xylene | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| sec-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 11000 | 11000 | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| Styrene | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| tert-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 5900 | 5900 | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| Tetrachloroethene | ug/kg | 5500 | 19000 | 150000 | 300000 | 1300 | 1300 | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| Toluene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 700 | 700 | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| trans-1,2-Dichloroethene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 190 | 190 | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| trans-1,3-Dichloropropene | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| Trichloroethene | ug/kg | 10000 | 21000 | 200000 | 400000 | 470 | 470 | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| Trichlorofluoromethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| Vinyl chloride | ug/kg | 210 | 900 | 13000 | 27000 | 20 | 20 | < 1.1 | < 1.2 | < 1.1 | < 0.99 | < 0.90 |
| Xylenes, Total | ug/kg | 100000 | 100000 | 500000 | 1000000 | 260 | 1600 | < 2.3 | < 2.3 | < 2.2 | < 2.0 | < 1.8 |

Notes
1. "<" indicates the parameter is not detected.
2."NE" indicates a standard for the parameter is not established.
3. "NT" indicates that the parameter was not tested for.
4. "BD" indicates the soil sample is a blind duplicate sample.
5. Bold values indicate the consituent was detected above the laboratory reporting limit.
6. "J" indicates the result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

**Table 6-Volatile Organic Compound Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | | | | | | | | SC60396-02 | SC60396-03 | SC60396-04 | SC60396-01 | SC60413-06 | SC60413-07 | SC60413-08 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | UNITS | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | SB-7A-1 | SB-7A-2 | | SB-7B | SB-8A | SB-8B-1 | SB-8B-2 |
| Matrix: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | Protection of GW | Grab Soil | Grab Soil | Grab Soil - BD | Grab Soil | Grab Soil | Grab Soil | Grab Soil |
| Sample Depth: | | | | | | | | 6 ft | 12 ft | 12 ft | 4 ft | 3 ft | 2 ft | 5 ft |
| Sample Date: | | | | | | | | 1/6/2021 | 1/6/2021 | 1/6/2021 | 1/6/2021 | 1/8/2021 | 1/8/2021 | 1/8/2021 |
| **TCLP Volatile Organic Compounds (SW846 1311/8260C)** | | | | | | | | | | | | | | |
| Benzene | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | NT | < 10.0 | NT |
| 2-Butanone (MEK) | µg/L | NE | NE | NE | NE | NE | NE | NT | < 20.0 | NT | NT | NT | < 20.0 | NT |
| Carbon tetrachloride | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | NT | < 10.0 | NT |
| Chlorobenzene | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | NT | < 10.0 | NT |
| Chloroform | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | NT | < 10.0 | NT |
| 1,2-Dichloroethane | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | NT | < 10.0 | NT |
| 1,1-Dichloroethene | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | NT | < 10.0 | NT |
| Tetrachloroethene | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | NT | < 10.0 | NT |
| Trichloroethene | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | NT | < 10.0 | NT |
| Vinyl chloride | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | NT | < 10.0 | NT |
| **Volatile Organic Compounds (SW846 8260D)** | | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | ug/kg | 100000 | 100000 | 500000 | 1000000 | 680 | 680 | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 5.23 | < 5.31 | < 5.91 |
| 1,1,2,2-Tetrachloroethane | ug/kg | 35000 | NE | NE | NE | NE | 600 | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 5.23 | < 5.31 | < 5.91 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon) | ug/kg | 100000 | NE | NE | NE | NE | 6000 | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 5.23 | < 5.31 | < 5.91 |
| 1,1,2-Trichloroethane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 5.23 | < 5.31 | < 5.91 |
| 1,1-Dichloroethane | ug/kg | 19000 | 26000 | 240000 | 480000 | 270 | 270 | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 5.23 | < 5.31 | < 5.91 |
| 1,1-Dichloroethene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 330 | 330 | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 5.23 | < 5.31 | < 5.91 |
| 1,2,3-Trichlorobenzene | ug/kg | NE | NE | NE | NE | NE | NE | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 5.23 | < 5.31 | < 5.91 |
| 1,2,4-Trichlorobenzene | ug/kg | NE | NE | NE | NE | NE | 3400 | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 5.23 | < 5.31 | < 5.91 |
| 1,2,4-Trimethylbenzene | ug/kg | 47000 | 52000 | 190000 | 380000 | 3600 | 3600 | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 5.23 | < 5.31 | < 5.91 |
| 1,2-Dibromo-3-Chloropropane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 10.5 | < 10.6 | < 11.8 |
| 1,2-Dichlorobenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 1100 | 1100 | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 5.23 | < 5.31 | < 5.91 |
| 1,2-Dichloroethane | ug/kg | 2300 | 3100 | 30000 | 60000 | 20 | 20 | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 5.23 | < 5.31 | < 5.91 |
| 1,2-Dichloropropane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 5.23 | < 5.31 | < 5.91 |
| 1,3,5-Trimethylbenzene | ug/kg | 47000 | 52000 | 190000 | 380000 | 8400 | 8400 | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 5.23 | < 5.31 | < 5.91 |
| 1,3-Dichlorobenzene | ug/kg | 17000 | 49000 | 280000 | 560000 | 2400 | 2400 | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 5.23 | < 5.31 | < 5.91 |
| 1,4-Dichlorobenzene | ug/kg | 9800 | 13000 | 130000 | 250000 | 1800 | 1800 | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 5.23 | < 5.31 | < 5.91 |
| 2-Butanone (MEK) | ug/kg | 100000 | 100000 | 500000 | 1000000 | 120 | 120 | < 4.5 | < 5.6 | < 5.6 | < 5.9 | < 10.5 | < 10.6 | < 11.8 |
| 2-Hexanone | ug/kg | NE | NE | NE | NE | NE | NE | < 4.5 | < 5.6 | < 5.6 | < 5.9 | < 10.5 | < 10.6 | < 11.8 |
| 4-Isopropyltoluene | ug/kg | NE | NE | NE | NE | NE | 10000 | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 5.23 | < 5.31 | < 5.91 |
| 4-Methyl-2-pentanone (MIBK) | ug/kg | NE | NE | NE | NE | NE | 1000 | < 4.5 | < 5.6 | < 5.6 | < 5.9 | < 10.5 | < 10.6 | < 11.8 |
| Acetone | ug/kg | 100000 | 100000 | 500000 | 1000000 | 50 | 50 | < 5.4 | < 6.7 | < 6.7 | < 7.1 | < 52.3 | < 53.1 | < 59.1 |
| Benzene | ug/kg | 2900 | 4800 | 44000 | 89000 | 60 | 60 | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 5.23 | < 5.31 | < 5.91 |
| Bromoform | ug/kg | NE | NE | NE | NE | NE | NE | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 5.23 | < 5.31 | < 5.91 |
| Bromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.8 | < 2.2 | < 2.2 | < 2.4 | < 10.5 | < 10.6 | < 11.8 |
| Carbon disulfide | ug/kg | 100000 | NE | NE | NE | NE | 2700 | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 10.5 | < 10.6 | < 11.8 |
| Carbon tetrachloride | ug/kg | 1400 | 2400 | 22000 | 44000 | 760 | 760 | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 5.23 | < 5.31 | < 5.91 |
| Chlorobenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 1100 | 1100 | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 5.23 | < 5.31 | < 5.91 |
| Chlorobromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 5.23 | < 5.31 | < 5.91 |
| Chlorodibromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 5.23 | < 5.31 | < 5.91 |
| Chloroethane | ug/kg | NE | NE | NE | NE | NE | 1900 | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 10.5 | < 10.6 | < 11.8 |
| Chloroform | ug/kg | 10000 | 49000 | 350000 | 700000 | 370 | 370 | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 5.23 | < 5.31 | < 5.91 |
| Chloromethane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 10.5 | < 10.6 | < 11.8 |
| cis-1,2-Dichloroethene | ug/kg | 59000 | 100000 | 500000 | 1000000 | 250 | 250 | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 5.23 | < 5.31 | < 5.91 |
| cis-1,3-Dichloropropene | ug/kg | NE | NE | NE | NE | NE | NE | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 5.23 | < 5.31 | < 5.91 |
| Cyclohexane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 26.2 | < 26.5 | < 29.5 |
| Dichlorobromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 5.23 | < 5.31 | < 5.91 |
| Dichlorodifluoromethane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 5.23 | < 5.31 | < 5.91 |
| Ethylbenzene | ug/kg | 30000 | 41000 | 390000 | 780000 | 1000 | 1000 | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 5.23 | < 5.31 | < 5.91 |
| Ethylene Dibromide (1,2-Dibromoethane, EDB) | ug/kg | NE | NE | NE | NE | NE | NE | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 5.23 | < 5.31 | < 5.91 |
| Isopropylbenzene | ug/kg | 100000 | NE | NE | NE | NE | 2300 | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 5.23 | < 5.31 | < 5.91 |
| Methyl acetate | ug/kg | NE | NE | NE | NE | NE | NE | < 4.5 | < 5.6 | < 5.6 | < 5.9 | < 26.2 | < 26.5 | < 29.5 |
| Methyl tert-butyl ether | ug/kg | 62000 | 100000 | 500000 | 1000000 | 930 | 930 | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 5.23 | < 5.31 | < 5.91 |
| Methylcyclohexane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 26.2 | < 26.5 | < 29.5 |
| Methylene Chloride | ug/kg | 51000 | 100000 | 500000 | 1000000 | 50 | 50 | < 1.8 | < 2.2 | < 2.2 | < 2.4 | < 10.5 | < 10.6 | < 11.8 |

**Table 6-Volatile Organic Compound Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | | | | | | | | SC60396-02 | SC60396-03 | SC60396-04 | SC60396-01 | SC60413-06 | SC60413-07 | SC60413-08 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | UNITS | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | SB-7A-1 | SB-7A-2 | | SB-7B | SB-8A | SB-8B-1 | SB-8B-2 |
| Matrix: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | Protection of GW | Grab Soil | Grab Soil | Grab Soil - BD | Grab Soil | Grab Soil | Grab Soil | Grab Soil |
| Sample Depth: | | | | | | | | 6 ft | 12 ft | 12 ft | 4 ft | 3 ft | 2 ft | 5 ft |
| Sample Date: | | | | | | | | 1/6/2021 | 1/6/2021 | 1/6/2021 | 1/6/2021 | 1/8/2021 | 1/8/2021 | 1/8/2021 |
| **Volatile Organic Compounds (SW846 8260D)** | | | | | | | | | | | | | | |
| m-Xylene & p-Xylene | ug/kg | NE | NE | NE | NE | NE | NE | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 10.5 | < 10.6 | < 11.8 |
| Naphthalene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 12000 | NE | < 1.3 | < 1.7 | < 1.7 | < 1.8 | < 5.23 | < 5.31 | < 5.91 |
| n-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 12000 | 12000 | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 10.5 | < 10.6 | < 11.8 |
| N-Propylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 3900 | 3900 | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 5.23 | < 5.31 | < 5.91 |
| o-Xylene | ug/kg | NE | NE | NE | NE | NE | NE | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 5.23 | < 5.31 | < 5.91 |
| sec-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 11000 | 11000 | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 5.23 | < 5.31 | < 5.91 |
| Styrene | ug/kg | NE | NE | NE | NE | NE | NE | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 5.23 | < 5.31 | < 5.91 |
| tert-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 5900 | 5900 | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 5.23 | < 5.31 | < 5.91 |
| Tetrachloroethene | ug/kg | 5500 | 19000 | 150000 | 300000 | 1300 | 1300 | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 5.23 | < 5.31 | < 5.91 |
| Toluene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 700 | 700 | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 5.23 | < 5.31 | < 5.91 |
| trans-1,2-Dichloroethene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 190 | 190 | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 5.23 | < 5.31 | < 5.91 |
| trans-1,3-Dichloropropene | ug/kg | NE | NE | NE | NE | NE | NE | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 5.23 | < 5.31 | < 5.91 |
| Trichloroethene | ug/kg | 10000 | 21000 | 200000 | 400000 | 470 | 470 | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 5.23 | < 5.31 | < 5.91 |
| Trichlorofluoromethane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 5.23 | < 5.31 | < 5.91 |
| Vinyl chloride | ug/kg | 210 | 900 | 13000 | 27000 | 20 | 20 | < 0.90 | < 1.1 | < 1.1 | < 1.2 | < 5.23 | < 5.31 | < 5.91 |
| Xylenes, Total | ug/kg | 100000 | 100000 | 500000 | 1000000 | 260 | 1600 | < 1.8 | < 2.2 | < 2.2 | < 2.4 | NT | NT | NT |

Notes
1. "<" indicates the parameter is not detected.
2."NE" indicates a standard for the parameter is not established.
3. "NT" indicates that the parameter was not tested for.
4. "BD" indicates the soil sample is a blind duplicate sample.
5. Bold values indicate the consituent was detected above the laboratory reporting limit.
6. "J" indicates the result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

**Table 6-Volatile Organic Compound Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | | | | | | | | SC60396-06 | SC60396-07 | SC60404-03 | SC60404-04 | SC60404-01 | SC60404-02 | SC60444-01 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | UNITS | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | SB-9A | SB-9B | SB-10A-1 | SB-10A-2 | SB-10B | | SB-11A |
| Matrix: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | Protection of GW | Grab Soil | Grab Soil | Grab Soil | Grab Soil | Grab Soil | Grab Soil - BD | Grab Soil |
| Sample Depth: | | | | | | | | 3 ft | 3 ft | 6 ft | 12 ft | 4 ft | 4 ft | 3 ft |
| Sample Date: | | | | | | | | 1/6/2021 | 1/6/2021 | 1/7/2021 | 1/7/2021 | 1/7/2021 | 1/7/2021 | 1/12/2021 |
| **TCLP Volatile Organic Compounds (SW846 1311/8260C)** | | | | | | | | | | | | | | |
| Benzene | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | < 10.0 | NT | < 10.0 | NT | NT | NT |
| 2-Butanone (MEK) | µg/L | NE | NE | NE | NE | NE | NE | < 20.0 | < 20.0 | NT | < 20.0 | NT | NT | NT |
| Carbon tetrachloride | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | < 10.0 | NT | < 10.0 | NT | NT | NT |
| Chlorobenzene | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | < 10.0 | NT | < 10.0 | NT | NT | NT |
| Chloroform | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | < 10.0 | NT | < 10.0 | NT | NT | NT |
| 1,2-Dichloroethane | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | < 10.0 | NT | < 10.0 | NT | NT | NT |
| 1,1-Dichloroethene | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | < 10.0 | NT | < 10.0 | NT | NT | NT |
| Tetrachloroethene | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | < 10.0 | NT | < 10.0 | NT | NT | NT |
| Trichloroethene | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | < 10.0 | NT | < 10.0 | NT | NT | NT |
| Vinyl chloride | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | < 10.0 | NT | < 10.0 | NT | NT | NT |
| **Volatile Organic Compounds (SW846 8260D)** | | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | ug/kg | 100000 | 100000 | 500000 | 1000000 | 680 | 680 | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| 1,1,2,2-Tetrachloroethane | ug/kg | 35000 | NE | NE | NE | NE | 600 | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon) | ug/kg | 100000 | NE | NE | NE | NE | 6000 | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| 1,1,2-Trichloroethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| 1,1-Dichloroethane | ug/kg | 19000 | 26000 | 240000 | 480000 | 270 | 270 | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| 1,1-Dichloroethene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 330 | 330 | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| 1,2,3-Trichlorobenzene | ug/kg | NE | NE | NE | NE | NE | NE | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| 1,2,4-Trichlorobenzene | ug/kg | NE | NE | NE | NE | NE | 3400 | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| 1,2,4-Trimethylbenzene | ug/kg | 47000 | 52000 | 190000 | 380000 | 3600 | 3600 | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| 1,2-Dibromo-3-Chloropropane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| 1,2-Dichlorobenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 1100 | 1100 | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| 1,2-Dichloroethane | ug/kg | 2300 | 3100 | 30000 | 60000 | 20 | 20 | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| 1,2-Dichloropropane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| 1,3,5-Trimethylbenzene | ug/kg | 47000 | 52000 | 190000 | 380000 | 8400 | 8400 | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| 1,3-Dichlorobenzene | ug/kg | 17000 | 49000 | 280000 | 560000 | 2400 | 2400 | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| 1,4-Dichlorobenzene | ug/kg | 9800 | 13000 | 130000 | 250000 | 1800 | 1800 | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| 2-Butanone (MEK) | ug/kg | 100000 | 100000 | 500000 | 1000000 | 120 | 120 | < 6.3 | < 3.3 | < 5.7 | < 5.7 | < 5.7 | < 6.1 | < 5.6 |
| 2-Hexanone | ug/kg | NE | NE | NE | NE | NE | NE | < 6.3 | < 3.3 | < 5.7 | < 5.7 | < 5.7 | < 6.1 | < 5.6 |
| 4-Isopropyltoluene | ug/kg | NE | NE | NE | NE | NE | 10000 | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| 4-Methyl-2-pentanone (MIBK) | ug/kg | NE | NE | NE | NE | NE | 1000 | < 6.3 | < 3.3 | < 5.7 | < 5.7 | < 5.7 | < 6.1 | < 5.6 |
| Acetone | ug/kg | 100000 | 100000 | 500000 | 1000000 | 50 | 50 | < 7.6 | < 3.9 | < 6.8 | < 6.8 | < 6.9 | < 7.3 | < 6.8 |
| Benzene | ug/kg | 2900 | 4800 | 44000 | 89000 | 60 | 60 | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| Bromoform | ug/kg | NE | NE | NE | NE | NE | NE | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| Bromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 2.5 | < 1.3 | < 2.3 | < 2.3 | < 2.3 | < 2.4 | < 2.3 |
| Carbon disulfide | ug/kg | 100000 | NE | NE | NE | NE | 2700 | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| Carbon tetrachloride | ug/kg | 1400 | 2400 | 22000 | 44000 | 760 | 760 | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| Chlorobenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 1100 | 1100 | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| Chlorobromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| Chlorodibromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| Chloroethane | ug/kg | NE | NE | NE | NE | NE | 1900 | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| Chloroform | ug/kg | 10000 | 49000 | 350000 | 700000 | 370 | 370 | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| Chloromethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| cis-1,2-Dichloroethene | ug/kg | 59000 | 100000 | 500000 | 1000000 | 250 | 250 | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| cis-1,3-Dichloropropene | ug/kg | NE | NE | NE | NE | NE | NE | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| Cyclohexane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| Dichlorobromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| Dichlorodifluoromethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| Ethylbenzene | ug/kg | 30000 | 41000 | 390000 | 780000 | 1000 | 1000 | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| Ethylene Dibromide (1,2-Dibromoethane, EDB) | ug/kg | NE | NE | NE | NE | NE | NE | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| Isopropylbenzene | ug/kg | 100000 | NE | NE | NE | NE | 2300 | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| Methyl acetate | ug/kg | NE | NE | NE | NE | NE | NE | < 6.3 | < 3.3 | < 5.7 | < 5.7 | < 5.7 | < 6.1 | < 5.6 |
| Methyl tert-butyl ether | ug/kg | 62000 | 100000 | 500000 | 1000000 | 930 | 930 | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| Methylcyclohexane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| Methylene Chloride | ug/kg | 51000 | 100000 | 500000 | 1000000 | 50 | 50 | < 2.5 | < 1.3 | < 2.3 | < 2.3 | < 2.3 | < 2.4 | < 2.3 |

**Table 6-Volatile Organic Compound Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | | | | | | | | SC60396-06 | SC60396-07 | SC60404-03 | SC60404-04 | SC60404-01 | SC60404-02 | SC60444-01 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | UNITS | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | SB-9A | SB-9B | SB-10A-1 | SB-10A-2 | SB-10B | | SB-11A |
| Matrix: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | Protection of GW | Grab Soil | Grab Soil | Grab Soil | Grab Soil | Grab Soil | Grab Soil - BD | Grab Soil |
| Sample Depth: | | | | | | | | 3 ft | 3 ft | 6 ft | 12 ft | 4 ft | 4 ft | 3 ft |
| Sample Date: | | | | | | | | 1/6/2021 | 1/6/2021 | 1/7/2021 | 1/7/2021 | 1/7/2021 | 1/7/2021 | 1/12/2021 |
| **Volatile Organic Compounds (SW846 8260D)** | | | | | | | | | | | | | | |
| m-Xylene & p-Xylene | ug/kg | NE | NE | NE | NE | NE | NE | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| Naphthalene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 12000 | NE | < 1.9 | < 0.98 | < 1.7 | < 1.7 | < 1.7 | < 1.8 | < 1.7 |
| n-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 12000 | 12000 | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| N-Propylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 3900 | 3900 | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| o-Xylene | ug/kg | NE | NE | NE | NE | NE | NE | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| sec-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 11000 | 11000 | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| Styrene | ug/kg | NE | NE | NE | NE | NE | NE | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| tert-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 5900 | 5900 | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| Tetrachloroethene | ug/kg | 5500 | 19000 | 150000 | 300000 | 1300 | 1300 | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| Toluene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 700 | 700 | **0.62 J** | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| trans-1,2-Dichloroethene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 190 | 190 | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| trans-1,3-Dichloropropene | ug/kg | NE | NE | NE | NE | NE | NE | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| Trichloroethene | ug/kg | 10000 | 21000 | 200000 | 400000 | 470 | 470 | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| Trichlorofluoromethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| Vinyl chloride | ug/kg | 210 | 900 | 13000 | 27000 | 20 | 20 | < 1.3 | < 0.65 | < 1.1 | < 1.1 | < 1.1 | < 1.2 | < 1.1 |
| Xylenes, Total | ug/kg | 100000 | 100000 | 500000 | 1000000 | 260 | 1600 | < 2.5 | < 1.3 | < 2.3 | < 2.3 | < 2.3 | < 2.4 | < 2.3 |

Notes
1. "<" indicates the parameter is not detected.
2."NE" indicates a standard for the parameter is not established.
3. "NT" indicates that the parameter was not tested for.
4. "BD" indicates the soil sample is a blind duplicate sample.
5. Bold values indicate the consituent was detected above the laboratory reporting limit.
6. "J" indicates the result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

**Table 6-Volatile Organic Compound Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | | | | | | | | SC60444-02 | SC60444-03 | SC60444-04 | SC60444-05 | SC60413-09 | SC60413-10 | SC60421-10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | UNITS | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | SB-11B-1 | SB-11B-2 | SB-12A-1 | SB-12A-2 | SB-12B-1 | SB-12B-2 | SB-14A |
| Matrix: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | Protection of GW | Grab Soil | Grab Soil | Grab Soil | Grab Soil | Grab Soil | Grab Soil | Grab Soil |
| Sample Depth: | | | | | | | | 3 ft | 7 ft | 3 ft | 8 ft | 3 ft | 8 ft | 3 ft |
| Sample Date: | | | | | | | | 1/12/2021 | 1/12/2021 | 1/12/2021 | 1/12/2021 | 1/8/2021 | 1/8/2021 | 1/11/2021 |
| **TCLP Volatile Organic Compounds (SW846 1311/8260C)** | | | | | | | | | | | | | | |
| Benzene | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | NT | NT | NT | NT |
| 2-Butanone (MEK) | µg/L | NE | NE | NE | NE | NE | NE | < 20.0 | NT | < 20.0 | NT | NT | NT | NT |
| Carbon tetrachloride | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | NT | NT | NT | NT |
| Chlorobenzene | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | NT | NT | NT | NT |
| Chloroform | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | NT | NT | NT | NT |
| 1,2-Dichloroethane | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | NT | NT | NT | NT |
| 1,1-Dichloroethene | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | NT | NT | NT | NT |
| Tetrachloroethene | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | NT | NT | NT | NT |
| Trichloroethene | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | NT | NT | NT | NT |
| Vinyl chloride | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | NT | NT | NT | NT |
| **Volatile Organic Compounds (SW846 8260D)** | | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | ug/kg | 100000 | 100000 | 500000 | 1000000 | 680 | 680 | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 3.84 | < 6.71 | < 1.1 |
| 1,1,2,2-Tetrachloroethane | ug/kg | 35000 | NE | NE | NE | NE | 600 | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 3.84 | < 6.71 | < 1.1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon) | ug/kg | 100000 | NE | NE | NE | NE | 6000 | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 3.84 | < 6.71 | < 1.1 |
| 1,1,2-Trichloroethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 3.84 | < 6.71 | < 1.1 |
| 1,1-Dichloroethane | ug/kg | 19000 | 26000 | 240000 | 480000 | 270 | 270 | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 3.84 | < 6.71 | < 1.1 |
| 1,1-Dichloroethene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 330 | 330 | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 3.84 | < 6.71 | < 1.1 |
| 1,2,3-Trichlorobenzene | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 3.84 | < 6.71 | < 1.1 |
| 1,2,4-Trichlorobenzene | ug/kg | NE | NE | NE | NE | NE | 3400 | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 3.84 | < 6.71 | < 1.1 |
| 1,2,4-Trimethylbenzene | ug/kg | 47000 | 52000 | 190000 | 380000 | 3600 | 3600 | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 3.84 | < 6.71 | < 1.1 |
| 1,2-Dibromo-3-Chloropropane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 7.67 | < 13.4 | < 1.1 |
| 1,2-Dichlorobenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 1100 | 1100 | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 3.84 | < 6.71 | < 1.1 |
| 1,2-Dichloroethane | ug/kg | 2300 | 3100 | 30000 | 60000 | 20 | 20 | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 3.84 | < 6.71 | < 1.1 |
| 1,2-Dichloropropane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 3.84 | < 6.71 | < 1.1 |
| 1,3,5-Trimethylbenzene | ug/kg | 47000 | 52000 | 190000 | 380000 | 8400 | 8400 | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 3.84 | < 6.71 | < 1.1 |
| 1,3-Dichlorobenzene | ug/kg | 17000 | 49000 | 280000 | 560000 | 2400 | 2400 | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 3.84 | < 6.71 | < 1.1 |
| 1,4-Dichlorobenzene | ug/kg | 9800 | 13000 | 130000 | 250000 | 1800 | 1800 | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 3.84 | < 6.71 | < 1.1 |
| 2-Butanone (MEK) | ug/kg | 100000 | 100000 | 500000 | 1000000 | 120 | 120 | < 5.7 | < 5.4 | < 4.2 | < 5.7 | < 7.67 | < 13.4 | < 5.6 |
| 2-Hexanone | ug/kg | NE | NE | NE | NE | NE | NE | < 5.7 | < 5.4 | < 4.2 | < 5.7 | < 7.67 | < 13.4 | < 5.6 |
| 4-Isopropyltoluene | ug/kg | NE | NE | NE | NE | NE | 10000 | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 3.84 | < 13.4 | < 1.1 |
| 4-Methyl-2-pentanone (MIBK) | ug/kg | NE | NE | NE | NE | NE | 1000 | < 5.7 | < 5.4 | < 4.2 | < 5.7 | < 7.67 | < 13.4 | < 5.6 |
| Acetone | ug/kg | 100000 | 100000 | 500000 | 1000000 | 50 | 50 | **12** | < 6.5 | < 5.0 | < 6.9 | < 38.4 | < 67.1 | < 6.7 |
| Benzene | ug/kg | 2900 | 4800 | 44000 | 89000 | 60 | 60 | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 3.84 | < 6.71 | < 1.1 |
| Bromoform | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 3.84 | < 6.71 | < 1.1 |
| Bromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 2.3 | < 2.2 | < 1.7 | < 2.3 | < 7.67 | < 13.4 | < 2.2 |
| Carbon disulfide | ug/kg | 100000 | NE | NE | NE | NE | 2700 | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 7.67 | < 13.4 | < 1.1 |
| Carbon tetrachloride | ug/kg | 1400 | 2400 | 22000 | 44000 | 760 | 760 | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 3.84 | < 6.71 | < 1.1 |
| Chlorobenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 1100 | 1100 | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 3.84 | < 6.71 | < 1.1 |
| Chlorobromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 3.84 | < 6.71 | < 1.1 |
| Chlorodibromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 3.84 | < 6.71 | < 1.1 |
| Chloroethane | ug/kg | NE | NE | NE | NE | NE | 1900 | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 7.67 | < 13.4 | < 1.1 |
| Chloroform | ug/kg | 10000 | 49000 | 350000 | 700000 | 370 | 370 | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 3.84 | < 6.71 | < 1.1 |
| Chloromethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 7.67 | < 13.4 | < 1.1 |
| cis-1,2-Dichloroethene | ug/kg | 59000 | 100000 | 500000 | 1000000 | 250 | 250 | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 3.84 | < 6.71 | < 1.1 |
| cis-1,3-Dichloropropene | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 3.84 | < 6.71 | < 1.1 |
| Cyclohexane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 19.2 | < 33.6 | < 1.1 |
| Dichlorobromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 3.84 | < 6.71 | < 1.1 |
| Dichlorodifluoromethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 3.84 | < 6.71 | < 1.1 |
| Ethylbenzene | ug/kg | 30000 | 41000 | 390000 | 780000 | 1000 | 1000 | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 3.84 | < 6.71 | < 1.1 |
| Ethylene Dibromide (1,2-Dibromoethane, EDB) | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 3.84 | < 6.71 | < 1.1 |
| Isopropylbenzene | ug/kg | 100000 | NE | NE | NE | NE | 2300 | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 3.84 | < 6.71 | < 1.1 |
| Methyl acetate | ug/kg | NE | NE | NE | NE | NE | NE | < 5.7 | < 5.4 | < 4.2 | < 5.7 | < 19.2 | < 33.6 | < 5.6 |
| Methyl tert-butyl ether | ug/kg | 62000 | 100000 | 500000 | 1000000 | 930 | 930 | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 3.84 | < 6.71 | < 1.1 |
| Methylcyclohexane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 19.2 | < 33.6 | < 1.1 |
| Methylene Chloride | ug/kg | 51000 | 100000 | 500000 | 1000000 | 50 | 50 | < 2.3 | < 2.2 | < 1.7 | < 2.3 | < 7.67 | < 13.4 | < 2.2 |

**Table 6-Volatile Organic Compound Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | SC60444-02 | SC60444-03 | SC60444-04 | SC60444-05 | SC60413-09 | SC60413-10 | SC60421-10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | UNITS | | | | | | | SB-11B-1 | SB-11B-2 | SB-12A-1 | SB-12A-2 | SB-12B-1 | SB-12B-2 | SB-14A |
| Matrix: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | Protection of GW | Grab Soil | Grab Soil | Grab Soil | Grab Soil | Grab Soil | Grab Soil | Grab Soil |
| Sample Depth: | | | | | | | | 3 ft | 7 ft | 3 ft | 8 ft | 3 ft | 8 ft | 3 ft |
| Sample Date: | | | | | | | | 1/12/2021 | 1/12/2021 | 1/12/2021 | 1/12/2021 | 1/8/2021 | 1/8/2021 | 1/11/2021 |
| **Volatile Organic Compounds (SW846 8260D)** | | | | | | | | | | | | | | |
| m-Xylene & p-Xylene | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 7.67 | < 13.4 | < 1.1 |
| Naphthalene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 12000 | NE | < 1.7 | < 1.6 | < 1.3 | < 1.7 | < 3.84 | < 6.71 | < 1.7 |
| n-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 12000 | 12000 | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 7.67 | < 13.4 | < 1.1 |
| N-Propylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 3900 | 3900 | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 3.84 | < 6.71 | < 1.1 |
| o-Xylene | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 3.84 | < 6.71 | < 1.1 |
| sec-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 11000 | 11000 | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 3.84 | < 6.71 | < 1.1 |
| Styrene | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 3.84 | < 6.71 | < 1.1 |
| tert-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 5900 | 5900 | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 3.84 | < 6.71 | < 1.1 |
| Tetrachloroethene | ug/kg | 5500 | 19000 | 150000 | 300000 | 1300 | 1300 | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 3.84 | < 6.71 | < 1.1 |
| Toluene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 700 | 700 | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 3.84 | < 6.71 | < 1.1 |
| trans-1,2-Dichloroethene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 190 | 190 | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 3.84 | < 6.71 | < 1.1 |
| trans-1,3-Dichloropropene | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 3.84 | < 6.71 | < 1.1 |
| Trichloroethene | ug/kg | 10000 | 21000 | 200000 | 400000 | 470 | 470 | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 3.84 | < 6.71 | < 1.1 |
| Trichlorofluoromethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 3.84 | < 6.71 | < 1.1 |
| Vinyl chloride | ug/kg | 210 | 900 | 13000 | 27000 | 20 | 20 | < 1.1 | < 1.1 | < 0.84 | < 1.1 | < 3.84 | < 6.71 | < 1.1 |
| Xylenes, Total | ug/kg | 100000 | 100000 | 500000 | 1000000 | 260 | 1600 | < 2.3 | < 2.2 | < 1.7 | < 2.3 | NT | NT | < 2.2 |

Notes
1. "<" indicates the parameter is not detected.
2."NE" indicates a standard for the parameter is not established.
3. "NT" indicates that the parameter was not tested for.
4. "BD" indicates the soil sample is a blind duplicate sample.
5. Bold values indicate the consituent was detected above the laboratory reporting limit.
6. "J" indicates the result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

**Table 6-Volatile Organic Compound Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | | | | | | | | SC60421-09 | SC60413-03 | SC60413-04 | SC60413-01 | SC60413-02 | SC60421-08 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | UNITS | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | SB-14B | SB-15A-1 | SB-15A-2 | SB-15B | | SB-16A |
| Matrix: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | Protection of GW | Grab Soil | Grab Soil | Grab Soil | Grab Soil | Grab Soil - BD | Grab Soil |
| Sample Depth: | | | | | | | | 4 ft | 6 ft | 12 ft | 4 ft | 4 ft | 3 ft |
| Sample Date: | | | | | | | | 1/11/2021 | 1/8/2021 | 1/8/2021 | 1/8/2021 | 1/8/2021 | 1/11/2021 |
| **TCLP Volatile Organic Compounds (SW846 1311/8260C)** | | | | | | | | | | | | | |
| Benzene | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | NT | NT | NT |
| 2-Butanone (MEK) | µg/L | NE | NE | NE | NE | NE | NE | < 50.0 | NT | < 20.0 | NT | NT | NT |
| Carbon tetrachloride | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | NT | NT | NT |
| Chlorobenzene | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | NT | NT | NT |
| Chloroform | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | NT | NT | NT |
| 1,2-Dichloroethane | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | NT | NT | NT |
| 1,1-Dichloroethene | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | NT | NT | NT |
| Tetrachloroethene | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | NT | NT | NT |
| Trichloroethene | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | NT | NT | NT |
| Vinyl chloride | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | NT | NT | NT |
| **Volatile Organic Compounds (SW846 8260D)** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | ug/kg | 100000 | 100000 | 500000 | 1000000 | 680 | 680 | < 1.2 | < 5.39 | < 5.44 | < 5.76 | < 5.46 | < 1.0 |
| 1,1,2,2-Tetrachloroethane | ug/kg | 35000 | NE | NE | NE | NE | 600 | < 1.2 | < 5.39 | < 5.44 | < 5.76 | < 5.46 | < 1.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon) | ug/kg | 100000 | NE | NE | NE | NE | 6000 | < 1.2 | < 5.39 | < 5.44 | < 5.76 | < 5.46 | < 1.0 |
| 1,1,2-Trichloroethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.2 | < 5.39 | < 5.44 | < 5.76 | < 5.46 | < 1.0 |
| 1,1-Dichloroethane | ug/kg | 19000 | 26000 | 240000 | 480000 | 270 | 270 | < 1.2 | < 5.39 | < 5.44 | < 5.76 | < 5.46 | < 1.0 |
| 1,1-Dichloroethene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 330 | 330 | < 1.2 | < 5.39 | < 5.44 | < 5.76 | < 5.46 | < 1.0 |
| 1,2,3-Trichlorobenzene | ug/kg | NE | NE | NE | NE | NE | NE | < 1.2 | < 5.39 | < 5.44 | < 5.76 | < 5.46 | < 1.0 |
| 1,2,4-Trichlorobenzene | ug/kg | NE | NE | NE | NE | NE | 3400 | < 1.2 | < 5.39 | < 5.44 | < 5.76 | < 5.46 | < 1.0 |
| 1,2,4-Trimethylbenzene | ug/kg | 47000 | 52000 | 190000 | 380000 | 3600 | 3600 | < 1.2 | < 5.39 | < 5.44 | < 5.76 | < 5.46 | < 1.0 |
| 1,2-Dibromo-3-Chloropropane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.2 | < 10.8 | < 10.9 | < 11.5 | < 10.9 | < 1.0 |
| 1,2-Dichlorobenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 1100 | 1100 | < 1.2 | < 5.39 | < 5.44 | < 5.76 | < 5.46 | < 1.0 |
| 1,2-Dichloroethane | ug/kg | 2300 | 3100 | 30000 | 60000 | 20 | 20 | < 1.2 | < 5.39 | < 5.44 | < 5.76 | < 5.46 | < 1.0 |
| 1,2-Dichloropropane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.2 | < 5.39 | < 5.44 | < 5.76 | < 5.46 | < 1.0 |
| 1,3,5-Trimethylbenzene | ug/kg | 47000 | 52000 | 190000 | 380000 | 8400 | 8400 | < 1.2 | < 5.39 | < 5.44 | < 5.76 | < 5.46 | < 1.0 |
| 1,3-Dichlorobenzene | ug/kg | 17000 | 49000 | 280000 | 560000 | 2400 | 2400 | < 1.2 | < 5.39 | < 5.44 | < 5.76 | < 5.46 | < 1.0 |
| 1,4-Dichlorobenzene | ug/kg | 9800 | 13000 | 130000 | 250000 | 1800 | 1800 | < 1.2 | < 5.39 | < 5.44 | < 5.76 | < 5.46 | < 1.0 |
| 2-Butanone (MEK) | ug/kg | 100000 | 100000 | 500000 | 1000000 | 120 | 120 | < 5.9 | < 10.8 | < 10.9 | < 11.5 | < 10.9 | < 5.1 |
| 2-Hexanone | ug/kg | NE | NE | NE | NE | NE | NE | < 5.9 | < 10.8 | < 10.9 | < 11.5 | < 10.9 | < 5.1 |
| 4-Isopropyltoluene | ug/kg | NE | NE | NE | NE | NE | 10000 | < 1.2 | < 5.39 | < 5.44 | < 5.76 | < 5.46 | < 1.0 |
| 4-Methyl-2-pentanone (MIBK) | ug/kg | NE | NE | NE | NE | NE | 1000 | < 5.9 | <10.8 | < 10.9 | < 11.5 | < 10.9 | < 5.1 |
| Acetone | ug/kg | 100000 | 100000 | 500000 | 1000000 | 50 | 50 | < 7.1 | < 53.9 | < 54.5 | < 57.6 | < 54.6 | < 6.1 |
| Benzene | ug/kg | 2900 | 4800 | 44000 | 89000 | 60 | 60 | < 1.2 | < 5.39 | < 5.44 | < 5.76 | < 5.46 | < 1.0 |
| Bromoform | ug/kg | NE | NE | NE | NE | NE | NE | < 1.2 | < 5.39 | < 5.44 | < 5.76 | < 5.46 | < 1.0 |
| Bromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 2.4 | <10.8 | < 10.9 | < 11.5 | < 10.9 | < 2.0 |
| Carbon disulfide | ug/kg | 100000 | NE | NE | NE | NE | 2700 | < 1.2 | <10.8 | < 10.9 | < 11.5 | < 10.9 | < 1.0 |
| Carbon tetrachloride | ug/kg | 1400 | 2400 | 22000 | 44000 | 760 | 760 | < 1.2 | < 5.39 | < 5.44 | < 5.76 | < 5.46 | < 1.0 |
| Chlorobenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 1100 | 1100 | < 1.2 | < 5.39 | < 5.44 | < 5.76 | < 5.46 | < 1.0 |
| Chlorobromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.2 | < 5.39 | < 5.44 | < 5.76 | < 5.46 | < 1.0 |
| Chlorodibromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.2 | < 5.39 | < 5.44 | < 5.76 | < 5.46 | < 1.0 |
| Chloroethane | ug/kg | NE | NE | NE | NE | NE | 1900 | < 1.2 | <10.8 | < 10.9 | < 11.5 | < 10.9 | < 1.0 |
| Chloroform | ug/kg | 10000 | 49000 | 350000 | 700000 | 370 | 370 | < 1.2 | < 5.39 | < 5.44 | < 5.76 | < 5.46 | < 1.0 |
| Chloromethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.2 | <10.8 | < 10.9 | < 11.5 | < 10.9 | < 1.0 |
| cis-1,2-Dichloroethene | ug/kg | 59000 | 100000 | 500000 | 1000000 | 250 | 250 | < 1.2 | < 5.39 | < 5.44 | < 5.76 | < 5.46 | < 1.0 |
| cis-1,3-Dichloropropene | ug/kg | NE | NE | NE | NE | NE | NE | < 1.2 | < 5.39 | < 5.44 | < 5.76 | < 5.46 | < 1.0 |
| Cyclohexane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.2 | < 26.9 | < 27.2 | < 28.8 | < 27.3 | < 1.0 |
| Dichlorobromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.2 | < 5.39 | < 5.44 | < 5.76 | < 5.46 | < 1.0 |
| Dichlorodifluoromethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.2 | < 5.39 | < 5.44 | < 11.5 | < 5.46 | < 1.0 |
| Ethylbenzene | ug/kg | 30000 | 41000 | 390000 | 780000 | 1000 | 1000 | < 1.2 | < 5.39 | < 5.44 | < 5.76 | < 5.46 | < 1.0 |
| Ethylene Dibromide (1,2-Dibromoethane, EDB) | ug/kg | NE | NE | NE | NE | NE | NE | < 1.2 | < 5.39 | < 5.44 | < 5.76 | < 5.46 | < 1.0 |
| Isopropylbenzene | ug/kg | 100000 | NE | NE | NE | NE | 2300 | < 1.2 | < 5.39 | < 5.44 | < 5.76 | < 5.46 | < 1.0 |
| Methyl acetate | ug/kg | NE | NE | NE | NE | NE | NE | < 5.9 | < 26.9 | < 27.2 | < 28.8 | < 27.3 | < 5.1 |
| Methyl tert-butyl ether | ug/kg | 62000 | 100000 | 500000 | 1000000 | 930 | 930 | < 1.2 | < 5.39 | < 5.44 | < 5.76 | < 5.46 | < 1.0 |
| Methylcyclohexane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.2 | < 26.9 | < 27.2 | < 28.8 | < 27.3 | < 1.0 |
| Methylene Chloride | ug/kg | 51000 | 100000 | 500000 | 1000000 | 50 | 50 | < 2.4 | <10.8 | < 10.9 | < 11.5 | < 10.9 | < 2.0 |

**Table 6-Volatile Organic Compound Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | SC60421-09 | SC60413-03 | SC60413-04 | SC60413-01 | SC60413-02 | SC60421-08 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | | | | | | | | SB-14B | SB-15A-1 | SB-15A-2 | SB-15B | | SB-16A |
| Matrix: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | Protection of GW | Grab Soil | Grab Soil | Grab Soil | Grab Soil | Grab Soil - BD | Grab Soil |
| Sample Depth: | | | | | | | | 4 ft | 6 ft | 12 ft | 4 ft | 4 ft | 3 ft |
| Sample Date: | | | | | | | | 1/11/2021 | 1/8/2021 | 1/8/2021 | 1/8/2021 | 1/8/2021 | 1/11/2021 |
| **Volatile Organic Compounds (SW846 8260D)** | | | | | | | | | | | | | |
| m-Xylene & p-Xylene | ug/kg | NE | NE | NE | NE | NE | NE | < 1.2 | <10.8 | < 10.9 | < 11.5 | < 10.9 | < 1.0 |
| Naphthalene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 12000 | NE | < 1.8 | < 5.39 | < 5.44 | < 5.76 | < 5.46 | < 1.5 |
| n-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 12000 | 12000 | < 1.2 | <10.8 | < 10.9 | < 11.5 | < 10.9 | < 1.0 |
| N-Propylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 3900 | 3900 | < 1.2 | < 5.39 | < 5.44 | < 5.76 | < 5.46 | < 1.0 |
| o-Xylene | ug/kg | NE | NE | NE | NE | NE | NE | < 1.2 | < 5.39 | < 5.44 | < 5.76 | < 5.46 | < 1.0 |
| sec-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 11000 | 11000 | < 1.2 | < 5.39 | < 5.44 | < 5.76 | < 5.46 | < 1.0 |
| Styrene | ug/kg | NE | NE | NE | NE | NE | NE | < 1.2 | < 5.39 | < 5.44 | < 5.76 | < 5.46 | < 1.0 |
| tert-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 5900 | 5900 | < 1.2 | < 5.39 | < 5.44 | < 5.76 | < 5.46 | < 1.0 |
| Tetrachloroethene | ug/kg | 5500 | 19000 | 150000 | 300000 | 1300 | 1300 | < 1.2 | < 5.39 | < 5.44 | < 5.76 | < 5.46 | < 1.0 |
| Toluene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 700 | 700 | < 1.2 | < 5.39 | < 5.44 | < 5.76 | < 5.46 | < 1.0 |
| trans-1,2-Dichloroethene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 190 | 190 | < 1.2 | < 5.39 | < 5.44 | < 5.76 | < 5.46 | < 1.0 |
| trans-1,3-Dichloropropene | ug/kg | NE | NE | NE | NE | NE | NE | < 1.2 | < 5.39 | < 5.44 | < 5.76 | < 5.46 | < 1.0 |
| Trichloroethene | ug/kg | 10000 | 21000 | 200000 | 400000 | 470 | 470 | < 1.2 | < 5.39 | < 5.44 | < 5.76 | < 5.46 | < 1.0 |
| Trichlorofluoromethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.2 | < 5.39 | < 5.44 | < 5.76 | < 5.46 | < 1.0 |
| Vinyl chloride | ug/kg | 210 | 900 | 13000 | 27000 | 20 | 20 | < 1.2 | < 5.39 | < 5.44 | < 5.76 | < 5.46 | < 1.0 |
| Xylenes, Total | ug/kg | 100000 | 100000 | 500000 | 1000000 | 260 | 1600 | < 2.4 | NT | NT | NT | NT | < 2.0 |

Notes
1. "<" indicates the parameter is not detected.
2."NE" indicates a standard for the parameter is not established.
3. "NT" indicates that the parameter was not tested for.
4. "BD" indicates the soil sample is a blind duplicate sample.
5. Bold values indicate the consituent was detected above the laboratory reporting limit.
6. "J" indicates the result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

**Table 6-Volatile Organic Compound Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | | | | | | | | SC60421-06 | SC60421-07 | SC60421-05 | SC60421-04 | SC60421-02 | SC60421-03 | SC60421-01 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | UNITS | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | SB-16B-1 | SB-16B-2 | SB-17A | SB-17B | SB-18A-1 | SB-18A-2 | SB-18B |
| Matrix: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | Protection of GW | Grab Soil | Grab Soil | Grab Soil | Grab Soil | Grab Soil | Grab Soil | Grab Soil |
| Sample Depth: | | | | | | | | 3 ft | 5 ft | 3 ft | 3 ft | 2 ft | 8 ft | 5 ft |
| Sample Date: | | | | | | | | 1/11/2021 | 1/11/2021 | 1/11/2021 | 1/11/2021 | 1/11/2021 | 1/11/2021 | 1/11/2021 |
| **TCLP Volatile Organic Compounds (SW846 1311/8260C)** | | | | | | | | | | | | | | |
| Benzene | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | NT | NT | < 10.0 | NT |
| 2-Butanone (MEK) | µg/L | NE | NE | NE | NE | NE | NE | < 50.0 | NT | < 50.0 | NT | NT | < 50.0 | NT |
| Carbon tetrachloride | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | NT | NT | < 10.0 | NT |
| Chlorobenzene | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | NT | NT | < 10.0 | NT |
| Chloroform | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | NT | NT | < 10.0 | NT |
| 1,2-Dichloroethane | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | NT | NT | < 10.0 | NT |
| 1,1-Dichloroethene | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | NT | NT | < 10.0 | NT |
| Tetrachloroethene | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | NT | NT | < 10.0 | NT |
| Trichloroethene | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | NT | NT | < 10.0 | NT |
| Vinyl chloride | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | < 10.0 | NT | NT | < 10.0 | NT |
| **Volatile Organic Compounds (SW846 8260D)** | | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | ug/kg | 100000 | 100000 | 500000 | 1000000 | 680 | 680 | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| 1,1,2,2-Tetrachloroethane | ug/kg | 35000 | NE | NE | NE | NE | 600 | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon) | ug/kg | 100000 | NE | NE | NE | NE | 6000 | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| 1,1,2-Trichloroethane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| 1,1-Dichloroethane | ug/kg | 19000 | 26000 | 240000 | 480000 | 270 | 270 | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| 1,1-Dichloroethene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 330 | 330 | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| 1,2,3-Trichlorobenzene | ug/kg | NE | NE | NE | NE | NE | NE | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| 1,2,4-Trichlorobenzene | ug/kg | NE | NE | NE | NE | NE | 3400 | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| 1,2,4-Trimethylbenzene | ug/kg | 47000 | 52000 | 190000 | 380000 | 3600 | 3600 | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| 1,2-Dibromo-3-Chloropropane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| 1,2-Dichlorobenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 1100 | 1100 | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| 1,2-Dichloroethane | ug/kg | 2300 | 3100 | 30000 | 60000 | 20 | 20 | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| 1,2-Dichloropropane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| 1,3,5-Trimethylbenzene | ug/kg | 47000 | 52000 | 190000 | 380000 | 8400 | 8400 | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| 1,3-Dichlorobenzene | ug/kg | 17000 | 49000 | 280000 | 560000 | 2400 | 2400 | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| 1,4-Dichlorobenzene | ug/kg | 9800 | 13000 | 130000 | 250000 | 1800 | 1800 | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| 2-Butanone (MEK) | ug/kg | 100000 | 100000 | 500000 | 1000000 | 120 | 120 | < 4.7 | < 5.0 | < 5.1 | < 5.4 | < 4.7 | < 5.3 | < 4.6 |
| 2-Hexanone | ug/kg | NE | NE | NE | NE | NE | NE | < 4.7 | < 5.0 | < 5.1 | < 5.4 | < 4.7 | < 5.3 | < 4.6 |
| 4-Isopropyltoluene | ug/kg | NE | NE | NE | NE | NE | 10000 | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| 4-Methyl-2-pentanone (MIBK) | ug/kg | NE | NE | NE | NE | NE | 1000 | < 4.7 | < 5.0 | < 5.1 | < 5.4 | < 4.7 | < 5.3 | < 4.6 |
| Acetone | ug/kg | 100000 | 100000 | 500000 | 1000000 | 50 | 50 | < 5.7 | < 6.0 | < 6.1 | **6.4** | < 5.6 | **11** | < 5.5 |
| Benzene | ug/kg | 2900 | 4800 | 44000 | 89000 | 60 | 60 | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| Bromoform | ug/kg | NE | NE | NE | NE | NE | NE | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| Bromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.9 | < 2.0 | < 2.0 | < 2.1 | < 1.9 | < 2.1 | < 1.8 |
| Carbon disulfide | ug/kg | 100000 | NE | NE | NE | NE | 2700 | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| Carbon tetrachloride | ug/kg | 1400 | 2400 | 22000 | 44000 | 760 | 760 | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| Chlorobenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 1100 | 1100 | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| Chlorobromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| Chlorodibromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| Chloroethane | ug/kg | NE | NE | NE | NE | NE | 1900 | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| Chloroform | ug/kg | 10000 | 49000 | 350000 | 700000 | 370 | 370 | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| Chloromethane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| cis-1,2-Dichloroethene | ug/kg | 59000 | 100000 | 500000 | 1000000 | 250 | 250 | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| cis-1,3-Dichloropropene | ug/kg | NE | NE | NE | NE | NE | NE | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| Cyclohexane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| Dichlorobromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| Dichlorodifluoromethane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| Ethylbenzene | ug/kg | 30000 | 41000 | 390000 | 780000 | 1000 | 1000 | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| Ethylene Dibromide (1,2-Dibromoethane, EDB) | ug/kg | NE | NE | NE | NE | NE | NE | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| Isopropylbenzene | ug/kg | 100000 | NE | NE | NE | NE | 2300 | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| Methyl acetate | ug/kg | NE | NE | NE | NE | NE | NE | < 4.7 | < 5.0 | < 5.1 | < 5.4 | < 4.7 | < 5.3 | < 4.6 |
| Methyl tert-butyl ether | ug/kg | 62000 | 100000 | 500000 | 1000000 | 930 | 930 | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| Methylcyclohexane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| Methylene Chloride | ug/kg | 51000 | 100000 | 500000 | 1000000 | 50 | 50 | < 1.9 | < 2.0 | < 2.0 | < 2.1 | < 1.9 | < 2.1 | < 1.8 |

**Table 6-Volatile Organic Compound Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | | | | | | | | SC60421-06 | SC60421-07 | SC60421-05 | SC60421-04 | SC60421-02 | SC60421-03 | SC60421-01 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | UNITS | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | SB-16B-1 | SB-16B-2 | SB-17A | SB-17B | SB-18A-1 | SB-18A-2 | SB-18B |
| Matrix: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | Protection of GW | Grab Soil | Grab Soil | Grab Soil | Grab Soil | Grab Soil | Grab Soil | Grab Soil |
| Sample Depth: | | | | | | | | 3 ft | 5 ft | 3 ft | 3 ft | 2 ft | 8 ft | 5 ft |
| Sample Date: | | | | | | | | 1/11/2021 | 1/11/2021 | 1/11/2021 | 1/11/2021 | 1/11/2021 | 1/11/2021 | 1/11/2021 |
| **Volatile Organic Compounds (SW846 8260D)** | | | | | | | | | | | | | | |
| m-Xylene & p-Xylene | ug/kg | NE | NE | NE | NE | NE | NE | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| Naphthalene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 12000 | NE | < 1.4 | < 1.5 | < 1.5 | < 1.6 | < 1.4 | < 1.6 | < 1.4 |
| n-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 12000 | 12000 | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| N-Propylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 3900 | 3900 | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| o-Xylene | ug/kg | NE | NE | NE | NE | NE | NE | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| sec-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 11000 | 11000 | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| Styrene | ug/kg | NE | NE | NE | NE | NE | NE | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| tert-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 5900 | 5900 | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| Tetrachloroethene | ug/kg | 5500 | 19000 | 150000 | 300000 | 1300 | 1300 | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| Toluene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 700 | 700 | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| trans-1,2-Dichloroethene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 190 | 190 | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| trans-1,3-Dichloropropene | ug/kg | NE | NE | NE | NE | NE | NE | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| Trichloroethene | ug/kg | 10000 | 21000 | 200000 | 400000 | 470 | 470 | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| Trichlorofluoromethane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| Vinyl chloride | ug/kg | 210 | 900 | 13000 | 27000 | 20 | 20 | < 0.94 | < 1.0 | < 1.0 | < 1.1 | < 0.94 | < 1.1 | < 0.91 |
| Xylenes, Total | ug/kg | 100000 | 100000 | 500000 | 1000000 | 260 | 1600 | < 1.9 | < 2.0 | < 2.0 | < 2.1 | < 1.9 | < 2.1 | < 1.8 |

Notes
1. "<" indicates the parameter is not detected.
2."NE" indicates a standard for the parameter is not established.
3. "NT" indicates that the parameter was not tested for.
4. "BD" indicates the soil sample is a blind duplicate sample.
5. Bold values indicate the consituent was detected above the laboratory reporting limit.
6. "J" indicates the result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

**Table 7-Composite Sample Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | | | | | | | | SC60406-14 | SC60397-10 | SC60397-111 | SC60406-06 | SC60406-11 | SC60404-09 | SC60404-14 | SC60396-05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | UNITS | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | COMP-1 | COMP-2 | | COMP-3 | COMP-4 | COMP-5 | COMP-6 | COMP-7 |
| Matrix: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | Protection of GW | Composite Soil | Composite Soil | Composite Soil | Composite Soil | Composite Soil | Composite Soil | Composite Soil | Composite Soil |
| Sample Location: | | | | | | | | SB-1A/SB-1B | SB-2A/SB-2B | SB-2A/SB-2B | SB-3A/SB-3B | SB-4A/SB-4B | SB-5A/SB-5B | SB-6A/SB-6B | SB-7A/SB-7B |
| Sample Depth: | | | | | | | | 0-5 ft | 0-7 ft | 7-14 ft | 0-5 ft | 0-5 ft | 0-5 ft | 0-5 ft | 0-12 ft |
| Sample Date: | | | | | | | | 1/7/2021 | 1/6/2021 | 1/6/2021 | 1/7/2021 | 1/7/2021 | 1/7/2021 | 1/7/2021 | 1/6/2021 |
| **Extractable Petroleum Hydrocarbons (NJDEP 3546)** | | | | | | | | | | | | | | | |
| C12-C16 Aliphatics | mg/kg | NE | NE | NE | NE | NE | NE | < 2.1 | < 2.3 | **2.8** | **2.9** | < 2.4 | < 2.1 | < 2.2 | < 2.1 |
| C16-C21 Aliphatics | mg/kg | NE | NE | NE | NE | NE | NE | < 2.1 | **4.2** | **2.7** | **2.4** | < 2.4 | < 2.1 | < 2.2 | < 2.1 |
| C21-C40 Aliphatics | mg/kg | NE | NE | NE | NE | NE | NE | < 2.1 | **78** | **37** | **24** | < 2.4 | < 2.1 | < 2.2 | < 2.1 |
| C9-C12 Aliphatics | mg/kg | NE | NE | NE | NE | NE | NE | < 2.1 | < 2.3 | < 2.3 | < 2.1 | < 2.1 | < 2.1 | < 2.1 | < 2.1 |
| Total Aliphatics | mg/kg | NE | NE | NE | NE | NE | NE | < 2.0 | **82** | **40** | **24** | < 2.0 | < 2.0 | < 2.0 | < 2.0 |
| Total Aromatics | mg/kg | NE | NE | NE | NE | NE | NE | < 2.0 | **51** | **24** | **36** | < 2.0 | < 2.0 | < 2.0 | < 2.0 |
| Total EPH | mg/kg | NE | NE | NE | NE | NE | NE | < 2.0 | **130** | **64** | **61** | < 2.0 | < 2.0 | < 2.0 | < 2.0 |
| **TCLP Metals (SW846 1311/6010C/1311/7470A)** | | | | | | | | | | | | | | | |
| Silver | mg/L | NE | NE | NE | NE | NE | NE | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 |
| Arsenic | mg/L | NE | NE | NE | NE | NE | NE | < 0.0280 | < 0.0300 | < 0.0300 | < 0.0280 | < 0.0280 | < 0.0280 | < 0.0280 | < 0.0300 |
| Barium | mg/L | NE | NE | NE | NE | NE | NE | **0.123** | **0.140** | **0.153** | **0.119** | **0.268** | < 0.100 | **0.134** | < 0.100 |
| Cadmium | mg/L | NE | NE | NE | NE | NE | NE | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 |
| Chromium | mg/L | NE | NE | NE | NE | NE | NE | **0.0114** | **0.0376** | **0.0216** | **0.0208** | **0.0475** | **0.0190** | **0.0110** | **0.0317** |
| Mercury | mg/L | NE | NE | NE | NE | NE | NE | < 0.00040 | < 0.00040 | < 0.00040 | < 0.00040 | < 0.00040 | < 0.00040 | < 0.00040 | < 0.00040 |
| Lead | mg/L | NE | NE | NE | NE | NE | NE | < 0.0150 | **0.0209** | < 0.0150 | **0.0203** | **0.0325** | < 0.0150 | < 0.0150 | **0.0217** |
| Selenium | mg/L | NE | NE | NE | NE | NE | NE | < 0.0300 | < 0.0300 | < 0.0300 | < 0.0300 | < 0.0300 | < 0.0300 | < 0.0300 | < 0.0300 |
| **TCLP Pesticides (SW846 1311/8081B)** | | | | | | | | | | | | | | | |
| gamma-BHC (Lindane) | µg/L | NE | NE | NE | NE | NE | NE | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| Heptachlor | µg/L | NE | NE | NE | NE | NE | NE | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| Heptachlor epoxide | µg/L | NE | NE | NE | NE | NE | NE | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| Dieldrin | µg/L | NE | NE | NE | NE | NE | NE | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| 4,4'-DDE (p,p') | µg/L | NE | NE | NE | NE | NE | NE | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| Endrin | µg/L | NE | NE | NE | NE | NE | NE | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 |
| 4,4'-DDD (p,p') | µg/L | NE | NE | NE | NE | NE | NE | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 |
| 4,4'-DDT (p,p') | µg/L | NE | NE | NE | NE | NE | NE | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 |
| Methoxychlor | µg/L | NE | NE | NE | NE | NE | NE | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 |
| Endrin ketone | µg/L | NE | NE | NE | NE | NE | NE | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 |
| Endrin aldehyde | µg/L | NE | NE | NE | NE | NE | NE | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 |
| Toxaphene | µg/L | NE | NE | NE | NE | NE | NE | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Chlordane | µg/L | NE | NE | NE | NE | NE | NE | < 2.50 | < 2.50 | < 2.50 | < 2.50 | < 2.50 | < 2.50 | < 2.50 | < 2.50 |
| **TCLP Semi-Volatile Organic Carbons (SW846 1311/8270D)** | | | | | | | | | | | | | | | |
| 1,4-Dichlorobenzene | µg/L | NE | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| 2,4-Dinitrotoluene | µg/L | NE | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| Hexachlorobenzene | µg/L | NE | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| Hexachlorobutadiene | µg/L | NE | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| Hexachloroethane | µg/L | NE | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| 2-Methylphenol | µg/L | NE | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| 3 & 4-Methylphenol | µg/L | NE | NE | NE | NE | NE | NE | < 100 | < 100 | < 100 | < 100 | < 100 | < 100 | < 100 | < 100 |
| Nitrobenzene | µg/L | NE | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| Pentachlorophenol | µg/L | NE | NE | NE | NE | NE | NE | < 200 | < 200 | < 200 | < 200 | < 200 | < 200 | < 200 | < 200 |
| Pyridine | µg/L | NE | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| 2,4,5-Trichlorophenol | µg/L | NE | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| 2,4,6-Trichlorophenol | µg/L | NE | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 |

**Table 7-Composite Sample Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | | | | | | | | SC60406-14 | SC60397-10 | SC60397-111 | SC60406-06 | SC60406-11 | SC60404-09 | SC60404-14 | SC60396-05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | UNITS | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | COMP-1 | COMP-2 | | COMP-3 | COMP-4 | COMP-5 | COMP-6 | COMP-7 |
| Matrix: | | | | | | | | Composite Soil | Composite Soil | Composite Soil | Composite Soil | Composite Soil | Composite Soil | Composite Soil | Composite Soil |
| Sample Location: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | Protection of GW | SB-1A/SB-1B | SB-2A/SB-2B | SB-2A/SB-2B | SB-3A/SB-3B | SB-4A/SB-4B | SB-5A/SB-5B | SB-6A/SB-6B | SB-7A/SB-7B |
| Sample Depth: | | | | | | | | 0-5 ft | 0-7 ft | 7-14 ft | 0-5 ft | 0-5 ft | 0-5 ft | 0-5 ft | 0-12 ft |
| Sample Date: | | | | | | | | 1/7/2021 | 1/6/2021 | 1/6/2021 | 1/7/2021 | 1/7/2021 | 1/7/2021 | 1/7/2021 | 1/6/2021 |
| **Metals (SW846 6010C/6010D/7196A/7471B)** | | | | | | | | | | | | | | | |
| Silver | mg/kg | 36 | 180 | 1500 | 6800 | 2 | 8.3 | < 1.73 | < 1.42 | < 1.70 | < 1.46 | < 1.74 | < 1.56 | < 1.62 | < 1.50 |
| Aluminum | mg/kg | NE | NE | NE | NE | NE | NE | **5,130** | **4,690** | **5,710** | **2,710** | **8,750** | **1,260** | **8,130** | **592** |
| Arsenic | mg/kg | 16 | 16 | 16 | 16 | 13 | 16 | < 1.73 | **1.64** | **1.92** | < 1.46 | **2.68** | < 1.56 | 2.15 | < 1.50 |
| Barium | mg/kg | 350 | 400 | 400 | 10000 | 350 | 820 | **9.63** | **9.73** | **12.7** | **4.93** | **16.6** | **4.24** | **12.9** | **4.42** |
| Beryllium | mg/kg | 14 | 72 | 590 | 2700 | 7.2 | 47 | < 0.576 | < 0.474 | < 0.568 | < 0.487 | < 0.579 | < 0.520 | < 0.542 | < 0.499 |
| Calcium | mg/kg | NE | NE | NE | NE | NE | NE | **148** | **279** | **224** | **140** | **228** | **43.0** | **219** | **34.0** |
| Cadmium | mg/kg | 2.5 | 4.3 | 9.3 | 60 | 2.5 | 7.5 | < 0.576 | < 0.474 | < 0.568 | < 0.487 | < 0.579 | < 0.520 | < 0.542 | < 0.499 |
| Cobalt | mg/kg | 30 | NE | NE | NE | NE | NE | **2.46** | **1.69** | **2.19** | < 0.975 | **2.75** | < 1.04 | **1.47** | < 0.997 |
| Chromium | mg/kg | NE | NE | NE | NE | NE | NE | **6.30** | **6.44** | **6.98** | **3.26** | **9.16** | **2.66** | **7.94** | **1.78** |
| Copper | mg/kg | 270 | 270 | 270 | 10000 | 50 | 1720 | **3.40** | **4.60** | **4.18** | **3.25** | **5.35** | **1.80** | **2.96** | < 0.997 |
| Iron | mg/kg | 2000 | NE | NE | NE | NE | NE | **6,700** | **5,860** | **6,640** | **3,390** | **103,000** | **2,790** | **8,490** | **1,260** |
| Mercury | mg/kg | 0.81 | 0.81 | 2.8 | 5.7 | 0.18 | 0.73 | < 0.0310 | < 0.0259 | < 0.0363 | < 0.0306 | < 0.0355 | < 0.335 | < 0.0388 | < 0.0317 |
| Potassium | mg/kg | NE | NE | NE | NE | NE | NE | **276** | **289** | **385** | **149** | **406** | **108** | **271** | **147** |
| Magnesium | mg/kg | NE | NE | NE | NE | NE | NE | **776** | **856** | **1,050** | **390** | **1,430** | **281** | **876** | **142** |
| Manganese | mg/kg | 2000 | 2000 | 10000 | 10000 | 1600 | 2000 | **113** | **56.3** | **65.8** | **44.9** | **93.0** | **28.9** | **71.8** | **22.6** |
| Sodium | mg/kg | NE | NE | NE | NE | NE | NE | < 86.4 | **94.1** | **105** | **< 73.1** | **< 86.8** | < 78.1 | **140** | **75.4** |
| Nickel | mg/kg | 140 | 310 | 310 | 10000 | 30 | 130 | **3.96** | **3.82** | **4.53** | **1.85** | **5.50** | **1.26** | **3.87** | < 0.997 |
| Lead | mg/kg | 400 | 400 | 1000 | 3900 | 63 | 450 | **4.22** | **3.42** | **3.83** | **2.87** | **6.12** | **1.83** | **5.94** | < 1.50 |
| Antimony | mg/kg | NE | NE | NE | NE | NE | NE | < 5.76 | < 4.74 | < 5.68 | < 4.87 | < 5.79 | < 5.20 | < 5.42 | < 4.99 |
| Selenium | mg/kg | 36 | 180 | 1500 | 6800 | 3.9 | 4 | < 1.73 | < 1.42 | < 1.70 | < 1.46 | < 1.74 | < 1.56 | < 1.62 | < 1.50 |
| Thallium | mg/kg | NE | NE | NE | NE | NE | NE | < 3.46 | < 2.84 | < 3.41 | < 2.92 | < 3.47 | < 3.12 | < 3.25 | < 2.99 |
| Vanadium | mg/kg | 100 | NE | NE | NE | NE | NE | **12.6** | **12.7** | **12.9** | **6.78** | **19.1** | **4.71** | **16.1** | **2.58** |
| Zinc | mg/kg | 2200 | 10000 | 10000 | 10000 | 109 | 2480 | **9.52** | **9.68** | **11.3** | **4.69** | **14.5** | **3.16** | **13.6** | < 2.99 |
| Cr (VI) | mg/kg | 22 | 110 | 400 | 800 | 1 | 19 | < 2.1 | < 2.2 | < 2.3 | < 2.1 | < 2.4 | < 2.1 | < 2.3 | < 2.1 |
| Trivalent Chromium | mg/kg | 36 | 180 | 1500 | 6800 | 30 | NE | **6.30** | **6.44** | **6.98** | **3.26** | **9.16** | **2.66** | **7.94** | **1.78** |
| **Pesticides (SW846 8081B)** | | | | | | | | | | | | | | | |
| alpha-BHC | µg/kg | 97 | 480 | 3400 | 6800 | 20 | 20 | < 5.70 | < 5.95 | < 5.69 | < 4.99 | < 5.71 | < 5.00 | < 5.53 | < 5.00 |
| beta-BHC | µg/kg | 72 | 360 | 3000 | 14000 | 36 | 90 | < 5.70 | < 5.95 | < 5.69 | < 4.99 | < 5.71 | < 5.00 | < 5.53 | < 5.00 |
| delta-BHC | µg/kg | 100000 | 100000 | 500000 | 1000000 | 40 | 250 | < 5.70 | < 5.95 | < 5.69 | < 4.99 | < 5.71 | < 5.00 | < 5.53 | < 5.00 |
| gamma-BHC (Lindane) | µg/kg | 280 | 1300 | 9200 | 23000 | 100 | 100 | < 3.42 | < 3.57 | < 3.41 | < 2.99 | < 3.43 | < 3.00 | < 3.32 | < 3.00 |
| Heptachlor | µg/kg | 420 | 2100 | 15000 | 29000 | 42 | 380 | < 5.70 | < 5.95 | < 5.69 | < 4.99 | < 5.71 | < 5.00 | < 5.53 | < 5.00 |
| Aldrin | µg/kg | 19 | 97 | 680 | 1400 | 5 | 190 | < 5.70 | < 5.95 | < 5.69 | < 4.99 | < 5.71 | < 5.00 | < 5.53 | < 5.00 |
| Heptachlor epoxide | µg/kg | 77 | NE | NE | NE | NE | 20 | < 5.70 | < 5.95 | < 5.69 | < 4.99 | < 5.71 | < 5.00 | < 5.53 | < 5.00 |
| Endosulfan I | µg/kg | 4800 | 24000 | 200000 | 920000 | 2400 | 102000 | < 5.70 | < 5.95 | < 5.69 | < 4.99 | < 5.71 | < 5.00 | < 5.53 | < 5.00 |
| Dieldrin | µg/kg | 39 | 200 | 1400 | 2800 | 5 | 100 | < 5.70 | < 5.95 | < 5.69 | < 4.99 | < 5.71 | < 5.00 | < 5.53 | < 5.00 |
| 4,4'-DDE (p,p') | µg/kg | 1800 | 8900 | 62000 | 120000 | 3.3 | 17000 | < 5.70 | < 5.95 | < 5.69 | < 4.99 | < 5.71 | < 5.00 | < 5.53 | < 5.00 |
| Endrin | µg/kg | 2200 | 11000 | 89000 | 410000 | 14 | 60 | < 9.12 | < 9.53 | < 9.10 | < 7.98 | < 9.14 | < 8.01 | < 8.84 | < 8.00 |
| Endosulfan II | µg/kg | 4800 | 24000 | 200000 | 920000 | 2400 | 102000 | < 9.12 | < 9.53 | < 9.10 | < 7.98 | < 9.14 | < 8.01 | < 8.84 | < 8.00 |
| 4,4'-DDD (p,p') | µg/kg | 2600 | 13000 | 92000 | 180000 | 3.3 | 14000 | < 9.12 | < 9.53 | < 9.10 | < 7.98 | < 9.14 | < 8.01 | < 8.84 | < 8.00 |
| Endosulfan sulfate | µg/kg | 4800 | 24000 | 200000 | 920000 | 2400 | 1000000 | < 9.12 | < 9.53 | < 9.10 | < 7.98 | < 9.14 | < 8.01 | < 8.84 | < 8.00 |
| 4,4'-DDT (p,p') | µg/kg | 1700 | 7900 | 47000 | 94000 | 3.3 | 136000 | < 9.12 | < 9.53 | < 9.10 | < 7.98 | < 9.14 | < 8.01 | < 8.84 | < 8.00 |
| Methoxychlor | µg/kg | 100000 | NE | NE | NE | NE | 900000 | < 9.12 | < 9.53 | < 9.10 | < 7.98 | < 9.14 | < 8.01 | < 8.84 | < 8.00 |
| Endrin ketone | µg/kg | NE | NE | NE | NE | NE | NE | < 9.12 | < 9.53 | < 9.10 | < 7.98 | < 9.14 | < 8.01 | < 8.84 | < 8.00 |
| Endrin aldehyde | µg/kg | NE | NE | NE | NE | NE | NE | < 9.12 | < 9.53 | < 9.10 | < 7.98 | < 9.14 | < 8.01 | < 8.84 | < 8.00 |
| alpha-Chlordane | µg/kg | 910 | 4200 | 24000 | 47000 | 94 | 2900 | < 5.70 | < 5.95 | < 5.69 | < 4.99 | <5.71 | < 5.00 | < 5.53 | < 5.00 |
| gamma-Chlordane | µg/kg | 540 | NE | NE | NE | NE | 14000 | < 5.70 | < 5.95 | < 5.69 | < 4.99 | < 5.71 | < 5.00 | < 5.53 | < 5.00 |
| Toxaphene | µg/kg | NE | NE | NE | NE | NE | NE | < 114 | < 119 | < 114 | < 99.8 | < 114 | < 100 | < 111 | < 100 |
| Chlordane | µg/kg | NE | NE | NE | NE | NE | NE | < 22.8 | < 23.8 | < 22.8 | < 20.0 | < 22.9 | < 20.0 | < 22.1 | < 20.0 |
| Alachlor | µg/kg | NE | NE | NE | NE | NE | NE | < 5.70 | < 5.95 | < 5.69 | < 4.99 | < 5.71 | < 5.00 | < 5.53 | < 5.00 |

**Table 7-Composite Sample Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | | | | | | | | SC60406-14 | SC60397-10 | SC60397-111 | SC60406-06 | SC60406-11 | SC60404-09 | SC60404-14 | SC60396-05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | UNITS | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | COMP-1 | COMP-2 | | COMP-3 | COMP-4 | COMP-5 | COMP-6 | COMP-7 |
| Matrix: | | | | | | | | Composite Soil | Composite Soil | Composite Soil | Composite Soil | Composite Soil | Composite Soil | Composite Soil | Composite Soil |
| Sample Location: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | Protection of GW | SB-1A/SB-1B | SB-2A/SB-2B | SB-2A/SB-2B | SB-3A/SB-3B | SB-4A/SB-4B | SB-5A/SB-5B | SB-6A/SB-6B | SB-7A/SB-7B |
| Sample Depth: | | | | | | | | 0-5 ft | 0-7 ft | 7-14 ft | 0-5 ft | 0-5 ft | 0-5 ft | 0-5 ft | 0-12 ft |
| Sample Date: | | | | | | | | 1/7/2021 | 1/6/2021 | 1/6/2021 | 1/7/2021 | 1/7/2021 | 1/7/2021 | 1/7/2021 | 1/6/2021 |
| **Polychlorinated Biphenyls (SW846 8082A)** | | | | | | | | | | | | | | | |
| Aroclor-1016 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | 3200 | < 22.8 | < 23.8 | < 22.8 | < 20.0 | < 22.9 | < 20.0 | < 22.1 | < 20.0 |
| Aroclor-1221 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | 3200 | < 22.8 | < 23.8 | < 22.8 | < 20.0 | < 22.9 | < 20.0 | < 22.1 | < 20.0 |
| Aroclor-1232 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | 3200 | < 22.8 | < 23.8 | < 22.8 | < 20.0 | < 22.9 | < 20.0 | < 22.1 | < 20.0 |
| Aroclor-1242 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | 3200 | < 22.8 | < 23.8 | < 22.8 | < 20.0 | < 22.9 | < 20.0 | < 22.1 | < 20.0 |
| Aroclor-1248 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | 3200 | < 22.8 | < 23.8 | < 22.8 | < 20.0 | < 22.9 | < 20.0 | < 22.1 | < 20.0 |
| Aroclor-1254 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | 3200 | < 22.8 | < 23.8 | < 22.8 | < 20.0 | < 22.9 | < 20.0 | < 22.1 | < 20.0 |
| Aroclor-1260 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | 3200 | < 22.8 | < 23.8 | < 22.8 | < 20.0 | < 22.9 | < 20.0 | < 22.1 | < 20.0 |
| Aroclor-1262 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | 3200 | < 22.8 | < 23.8 | < 22.8 | < 20.0 | < 22.9 | < 20.0 | < 22.1 | < 20.0 |
| Aroclor-1268 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | 3200 | < 22.8 | < 23.8 | < 22.8 | < 20.0 | < 22.9 | < 20.0 | < 22.1 | < 20.0 |
| **TCLP Herbicides (SW846 8151A)** | | | | | | | | | | | | | | | |
| 2,4,5-T | mg/L | NE | NE | NE | NE | NE | 1900 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 |
| 2,4-D | mg/L | NE | NE | NE | NE | NE | 500 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 |
| Silvex (2,4,5-TP) | mg/L | NE | NE | NE | NE | NE | 3800 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 |
| **Semi-Volatile Organic Compounds (SW846 8270D/8270E)** | | | | | | | | | | | | | | | |
| Acenaphthene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 20000 | 98000 | < 77.0 | < 158 | < 156 | < 138 | < 77.6 | < 67.8 | < 74.7 | < 69.5 |
| Acenaphthylene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 100000 | 107000 | < 77.0 | < 158 | < 156 | < 138 | < 77.6 | < 67.8 | < 74.7 | < 69.5 |
| Aniline | µg/kg | 48000 | 100000 | 500000 | 1000000 | NE | 330 | < 381 | < 781 | < 771 | < 681 | < 384 | < 335 | < 370 | < 344 |
| Anthracene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 100000 | 1000000 | < 77.0 | < 158 | < 156 | < 138 | < 77.6 | < 67.8 | < 74.7 | < 69.5 |
| Azobenzene/Diphenyldiazene | µg/kg | NE | NE | NE | NE | NE | NE | < 381 | < 781 | < 771 | < 681 | < 384 | < 335 | < 370 | < 344 |
| Benzidine | µg/kg | NE | NE | NE | NE | NE | NE | < 762 | < 1560 | < 1540 | < 1360 | < 768 | < 671 | < 739 | < 687 |
| Benzo (a) anthracene | µg/kg | 1000 | 1000 | 5600 | 11000 | 1000 | 1000 | < 77.0 | < 158 | < 156 | < 138 | < 77.6 | < 67.8 | < 74.7 | < 69.5 |
| Benzo (a) pyrene | µg/kg | 1000 | 1000 | 1000 | 1100 | 1000 | 22000 | < 77.0 | < 158 | < 156 | < 138 | < 77.6 | < 67.8 | < 74.7 | < 69.5 |
| Benzo (b) fluoranthene | µg/kg | 1000 | 1000 | 5600 | 11000 | 1000 | 1700 | < 77.0 | < 158 | < 156 | < 138 | < 77.6 | < 67.8 | < 74.7 | < 69.5 |
| Benzo (g,h,i) perylene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 100000 | 1000000 | < 77.0 | < 158 | < 156 | < 138 | < 77.6 | < 67.8 | < 74.7 | < 69.5 |
| Benzo (k) fluoranthene | µg/kg | 1000 | 3900 | 56000 | 110000 | 800 | 1700 | < 77.0 | < 158 | < 156 | < 138 | < 77.6 | < 67.8 | < 370 | < 69.5 |
| Benzoic acid | µg/kg | 100000 | NE | NE | NE | NE | 2700 | < 381 | < 781 | < 771 | < 681 | < 384 | < 335 | < 370 | < 344 |
| Benzyl alcohol | µg/kg | NE | NE | NE | NE | NE | NE | < 381 | < 781 | < 771 | < 681 | < 384 | < 335 | < 370 | < 344 |
| Bis(2-chloroethoxy)methane | µg/kg | NE | NE | NE | NE | NE | NE | < 381 | < 781 | < 771 | < 681 | < 384 | < 335 | < 370 | < 344 |
| Bis(2-chloroethyl)ether | µg/kg | NE | NE | NE | NE | NE | NE | < 193 | < 395 | < 390 | < 345 | < 194 | < 170 | < 187 | < 174 |
| Bis(2-chloroisopropyl)ether | µg/kg | NE | NE | NE | NE | NE | NE | < 193 | < 395 | < 390 | < 345 | < 194 | < 170 | < 187 | < 174 |
| Bis(2-ethylhexyl)phthalate | µg/kg | 50000 | NE | NE | NE | NE | 435000 | < 193 | < 395 | < 390 | < 345 | < 194 | < 170 | < 187 | < 174 |
| 4-Bromophenyl phenyl ether | µg/kg | NE | NE | NE | NE | NE | NE | < 381 | < 781 | < 771 | < 681 | < 384 | < 335 | < 370 | < 174 |
| Butyl benzyl phthalate | µg/kg | 100000 | NE | NE | NE | NE | 122000 | < 381 | < 781 | < 771 | < 681 | < 384 | < 335 | < 370 | < 174 |
| Carbazole | µg/kg | NE | NE | NE | NE | NE | NE | < 193 | < 395 | < 390 | < 345 | < 194 | < 170 | < 187 | < 174 |
| 4-Chloro-3-methylphenol | µg/kg | NE | NE | NE | NE | NE | NE | < 381 | < 781 | < 771 | < 681 | < 384 | < 335 | < 370 | < 344 |
| 4-Chloroaniline | µg/kg | 100000 | NE | NE | NE | NE | 220 | < 193 | < 395 | < 390 | < 345 | < 194 | < 170 | < 187 | < 174 |
| 2-Chloronaphthalene | µg/kg | NE | NE | NE | NE | NE | NE | < 381 | < 781 | < 771 | < 681 | < 384 | < 335 | < 370 | < 344 |
| 2-Chlorophenol | µg/kg | 100000 | NE | NE | NE | NE | NE | < 193 | < 395 | < 390 | < 345 | < 194 | < 170 | < 187 | < 174 |
| 4-Chlorophenyl phenyl ether | µg/kg | NE | NE | NE | NE | NE | NE | < 381 | < 781 | < 771 | < 681 | < 384 | < 335 | < 370 | < 344 |
| Chrysene | µg/kg | 1000 | 3900 | 56000 | 110000 | 1000 | 1000 | < 77.0 | < 158 | < 156 | < 138 | < 77.6 | < 67.8 | < 74.7 | < 69.5 |
| Dibenzo (a,h) anthracene | µg/kg | 330 | 330 | 560 | 1100 | 330 | 1000000 | < 77.0 | < 158 | < 156 | < 138 | < 77.6 | < 67.8 | < 74.7 | < 69.5 |
| Dibenzofuran | µg/kg | 14000 | 59000 | 350000 | 1000000 | 7000 | 6200 | < 193 | < 395 | < 390 | < 345 | < 194 | < 170 | < 187 | < 174 |
| 1,2-Dichlorobenzene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 1100 | NE | < 381 | < 781 | < 771 | < 681 | < 384 | < 335 | < 370 | < 344 |
| 1,3-Dichlorobenzene | µg/kg | 17000 | 49000 | 280000 | 560000 | 2400 | NE | < 381 | < 781 | < 771 | < 681 | < 384 | < 335 | < 370 | < 344 |
| 1,4-Dichlorobenzene | µg/kg | 9800 | 13000 | 130000 | 250000 | 1800 | NE | < 381 | < 781 | < 771 | < 681 | < 384 | < 335 | < 370 | < 344 |
| 3,3´-Dichlorobenzidine | µg/kg | NE | NE | NE | NE | NE | NE | < 381 | < 781 | < 771 | < 681 | < 384 | < 335 | < 370 | < 344 |
| 2,4-Dichlorophenol | µg/kg | 100000 | NE | NE | NE | NE | 400 | < 193 | < 395 | < 390 | < 345 | < 194 | < 170 | < 187 | < 174 |
| Diethyl phthalate | µg/kg | 100000 | NE | NE | NE | NE | 7100 | < 381 | < 781 | < 771 | < 681 | < 384 | < 335 | < 370 | < 344 |
| Dimethyl phthalate | µg/kg | 100000 | NE | NE | NE | NE | 27000 | < 381 | < 781 | < 771 | < 681 | < 384 | < 335 | < 370 | < 344 |
| 2,4-Dimethylphenol | µg/kg | NE | NE | NE | NE | NE | NE | < 381 | < 781 | < 771 | < 681 | < 384 | < 335 | < 370 | < 344 |
| Di-n-butyl phthalate | µg/kg | 100000 | NE | NE | NE | NE | 8100 | < 381 | < 781 | < 771 | < 681 | < 384 | < 335 | < 370 | < 344 |
| 4,6-Dinitro-2-methylphenol | µg/kg | NE | NE | NE | NE | NE | NE | < 381 | < 781 | < 771 | < 681 | < 384 | < 335 | < 370 | < 344 |
| 2,4-Dinitrophenol | µg/kg | 100000 | NE | NE | NE | NE | 200 | < 381 | < 781 | < 771 | < 681 | < 384 | < 335 | < 370 | < 344 |
| 2,4-Dinitrotoluene | µg/kg | NE | NE | NE | NE | NE | NE | < 193 | < 395 | < 390 | < 345 | < 194 | < 170 | < 187 | < 174 |
| 2,6-Dinitrotoluene | µg/kg | 1030 | NE | NE | NE | NE | 1000 | < 193 | < 395 | < 390 | < 345 | < 194 | < 170 | < 187 | < 174 |
| **Semi-Volatile Organic Compounds (SW846 8270D/8270E)** | | | | | | | | | | | | | | | |
| Di-n-octyl phthalate | µg/kg | 100000 | NE | NE | NE | NE | 120000 | < 381 | < 781 | < 771 | < 681 | < 384 | < 335 | < 370 | < 344 |
| Fluoranthene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 100000 | 1000000 | < 77.0 | < 158 | < 156 | < 138 | < 77.6 | < 67.8 | < 74.7 | < 69.5 |
| Fluorene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 30000 | 386000 | < 77.0 | < 158 | < 156 | < 138 | < 77.6 | < 67.8 | < 74.7 | < 69.5 |
| Hexachlorobenzene | µg/kg | 330/410 | 1200 | 6000 | 12000 | 330 | 1400 | < 193 | < 395 | < 390 | < 345 | < 194 | < 170 | < 187 | < 174 |
| Hexachlorobutadiene | µg/kg | NE | NE | NE | NE | NE | NE | < 193 | < 395 | < 390 | < 345 | < 194 | < 170 | < 187 | < 174 |
| Hexachlorocyclopentadiene | µg/kg | NE | NE | NE | NE | NE | NE | < 193 | < 395 | < 390 | < 345 | < 194 | < 170 | < 187 | < 174 |
| Hexachloroethane | µg/kg | NE | NE | NE | NE | NE | NE | < 193 | < 395 | < 390 | < 345 | < 194 | < 170 | < 187 | < 174 |
| Indeno (1,2,3-cd) pyrene | µg/kg | 500 | 500 | 5600 | 11000 | 500 | 8200 | < 77.0 | < 158 | < 156 | < 138 | < 77.6 | < 67.8 | < 74.7 | < 69.5 |
| Isophorone | µg/kg | 100000 | NE | NE | NE | NE | 4400 | < 193 | < 395 | < 390 | < 345 | < 194 | < 170 | < 187 | < 174 |
| 2-Methylnaphthalene | µg/kg | 410 | NE | NE | NE | NE | 36400 | < 77.0 | < 158 | < 156 | < 138 | < 77.6 | < 67.8 | < 74.7 | < 69.5 |
| 2-Methylphenol (o-Cresol) | µg/kg | 100000 | 100000 | 500000 | 1000000 | 330 | 330 | < 381 | < 781 | < 771 | < 681 | < 384 | < 335 | < 370 | < 344 |

**Table 7-Composite Sample Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | | | | | | | | SC60406-14 | SC60397-10 | SC60397-111 | SC60406-06 | SC60406-11 | SC60404-09 | SC60404-14 | SC60396-05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | UNITS | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | COMP-1 | COMP-2 | | COMP-3 | COMP-4 | COMP-5 | COMP-6 | COMP-7 |
| Matrix: | | | | | | | | Composite Soil | Composite Soil | Composite Soil | Composite Soil | Composite Soil | Composite Soil | Composite Soil | Composite Soil |
| Sample Location: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | Protection of GW | SB-1A/SB-1B | SB-2A/SB-2B | SB-2A/SB-2B | SB-3A/SB-3B | SB-4A/SB-4B | SB-5A/SB-5B | SB-6A/SB-6B | SB-7A/SB-7B |
| Sample Depth: | | | | | | | | 0-5 ft | 0-7 ft | 7-14 ft | 0-5 ft | 0-5 ft | 0-5 ft | 0-5 ft | 0-12 ft |
| Sample Date: | | | | | | | | 1/7/2021 | 1/6/2021 | 1/6/2021 | 1/7/2021 | 1/7/2021 | 1/7/2021 | 1/7/2021 | 1/6/2021 |
| 3 & 4-Methylphenol | µg/kg | NE | NE | NE | NE | NE | NE | < 381 | < 781 | < 771 | < 681 | < 384 | < 335 | < 370 | < 344 |
| Naphthalene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 12000 | 12000 | < 77.0 | < 158 | < 156 | < 138 | < 77.6 | < 67.8 | < 74.7 | < 69.5 |
| 2-Nitroaniline | µg/kg | NE | NE | NE | NE | NE | 400 | < 381 | < 781 | < 771 | < 681 | < 384 | < 335 | < 370 | < 344 |
| 3-Nitroaniline | µg/kg | NE | NE | NE | NE | NE | 500 | < 381 | < 781 | < 771 | < 681 | < 384 | < 335 | < 370 | < 344 |
| 4-Nitroaniline | µg/kg | NE | NE | NE | NE | NE | NE | < 193 | < 395 | < 390 | < 345 | < 194 | < 170 | < 187 | < 174 |
| Nitrobenzene | µg/kg | 3700 | 15000 | 69000 | 140000 | NE | 170 | < 193 | < 395 | < 390 | < 345 | < 194 | < 170 | < 187 | < 174 |
| 2-Nitrophenol | µg/kg | NE | NE | NE | NE | NE | 300 | < 193 | < 395 | < 390 | < 345 | < 194 | < 170 | < 187 | < 174 |
| 4-Nitrophenol | µg/kg | NE | NE | NE | NE | NE | 100 | < 381 | < 781 | < 771 | < 681 | < 384 | < 335 | < 370 | < 344 |
| N-Nitrosodimethylamine | µg/kg | NE | NE | NE | NE | NE | NE | < 193 | < 395 | < 390 | < 345 | < 194 | < 170 | < 187 | < 174 |
| N-Nitrosodi-n-propylamine | µg/kg | NE | NE | NE | NE | NE | NE | < 193 | < 395 | < 390 | < 345 | < 194 | < 170 | < 187 | < 174 |
| N-Nitrosodiphenylamine | µg/kg | NE | NE | NE | NE | NE | NE | < 381 | < 781 | < 771 | < 681 | < 384 | < 335 | < 370 | < 344 |
| Pentachlorophenol | µg/kg | 2400 | 6700 | 6700 | 55000 | 800 | 800 | < 381 | < 781 | < 771 | < 681 | **419** | < 335 | < 370 | < 344 |
| Phenanthrene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 100000 | 1000000 | < 77.0 | < 158 | < 156 | < 138 | < 77.6 | < 67.8 | < 74.7 | < 69.5 |
| Phenol | µg/kg | 100000 | 100000 | 500000 | 1000000 | 330 | 330 | < 381 | < 781 | < 771 | < 681 | < 384 | < 335 | < 370 | < 344 |
| Pyrene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 100000 | 1000000 | < 77.0 | < 158 | < 156 | < 138 | < 77.6 | < 67.8 | < 74.7 | < 69.5 |
| Pyridine | µg/kg | NE | NE | NE | NE | NE | NE | < 381 | < 781 | < 771 | < 681 | < 384 | <335 | < 370 | < 344 |
| 1,2,4-Trichlorobenzene | µg/kg | NE | NE | NE | NE | NE | 3400 | < 381 | < 158 | < 156 | < 681 | < 384 | < 335 | < 370 | < 344 |
| 1-Methylnaphthalene | µg/kg | NE | NE | NE | NE | NE | NE | < 77.0 | < 158 | < 156 | < 138 | < 77.6 | < 67.8 | < 74.7 | < 69.5 |
| 2,4,5-Trichlorophenol | µg/kg | 100000 | NE | NE | NE | NE | 100 | < 381 | < 781 | < 771 | < 681 | < 384 | < 335 | < 370 | < 344 |
| 2,4,6-Trichlorophenol | µg/kg | NE | NE | NE | NE | NE | NE | < 193 | < 395 | < 390 | < 345 | < 194 | < 170 | < 187 | < 174 |
| Pentachloronitrobenzene | µg/kg | NE | NE | NE | NE | NE | NE | < 381 | < 781 | < 771 | < 681 | < 384 | < 335 | < 370 | < 344 |
| 1,2,4,5-Tetrachlorobenzene | µg/kg | NE | NE | NE | NE | NE | NE | < 381 | < 781 | < 771 | < 681 | < 384 | < 335 | < 370 | < 344 |
| **Classical Chemistry** | | | | | | | | | | | | | | | |
| Total Cyanide | mg/kg | 27 | 27 | 27 | 10000 | 27 | 40 | < 0.26 | < 0.23 | < 0.24 | < 0.21 | < 0.24 | < 0.22 | < 0.27 | < 0.23 |
| Reactive Cyanide | mg/kg | NE | NE | NE | NE | NE | NE | < 25.0 | < 25.0 | < 25.0 | < 25.0 | < 25.0 | < 25.0 | < 25.0 | < 25.0 |
| Reactive Sulfide | mg/kg | NE | NE | NE | NE | NE | NE | < 20.0 | < 20.0 | < 20.0 | < 20.0 | < 20.0 | < 20.0 | < 20.0 | < 20.0 |
| Corrosivity | SU | NE | NE | NE | NE | NE | NE | **5.6** | **6.1** | **6.0** | **6.4** | **6.0** | **6.6** | **5.8** | **7.3** |
| Free Liquid | N/A | NE | NE | NE | NE | NE | NE | **Negative** | **Negative** | **Negative** | **Negative** | **Negative** | **Negative** | **Negative** | **Negative** |
| Oxidation Reduction Potential | mV | NE | NE | NE | NE | NE | NE | **597** | **525** | **517** | **509** | **536** | **479** | **516** | **470** |
| Ignitability by Definition | N/A | NE | NE | NE | NE | NE | NE | **Negative** | **Negative** | **Negative** | **Negative** | **Negative** | **Negative** | **Negative** | **Negative** |

Notes
1. "<" indicates the parameter is not detected.
2."NE" indicates a standard for the parameter is not established.
3. "NT" indicates that the parameter was not tested for.
4. Bold values indicate the constituent was detected above the laboratory reporting limit. Yellow highlight indicates an exceedance of NYDEC's CP-51 Residential Use Cleanup Objective.
5. PCB criteria apply to total PCBs.
6. "BD" indicates the soil sample is a blind duplicate sample.
7. "J" indicates the result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

**Table 7-Composite Sample Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | SC60413-15 | SC60396-08 | SC60396-09 | SC60404-05 | SC60444-06 | SC60444-07 | SC60421-16 | SC60413-05 | SC60421-15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **PARAMETERS** | **UNITS** | | | | | | **COMP-8** | **COMP-9-1** | **COMP-9-2** | **COMP-10** | **COMP-11** | **COMP-12** | **COMP-14** | **COMP-15** | **COMP-16** |
| **Matrix:** | | **Residential** | **Restricted Residential** | **Commercial** | **Industrial** | **Unrestricted** | **Composite Soil** | **Composite Soil** | **Composite Soil** | **Composite Soil** | **Composite Soil** | **Composite Soil** | **Composite Soil** | **Composite Soil** | **Composite Soil** |
| **Sample Location:** | | | | | | | **SB-8A/SB-8B** | **SB-9A/SB-9B** | **SB-9A/SB-9B** | **SB-10A/SB-10B** | **SB-11A/SB-11B** | **SB-12A/SB-12B** | **SB-14A/SB-14B** | **SB-15A/SB-15B** | **SB-16A/SB-16B** |
| **Sample Depth:** | | | | | | | **0-5 ft** | **0-5 ft** | **0-5 ft** | **0-12 ft** | **0-5 ft** | **0-12 ft** | **0-5 ft** | **0-12 ft** | **0-5 ft** |
| **Sample Date:** | | | | | | | **1/8/2021** | **1/6/2021** | **1/6/2021** | **1/7/2021** | **1/12/2021** | **1/12/2021** | **1/11/2021** | **1/8/2021** | **1/11/2021** |
| **Extractable Petroleum Hydrocarbons (NJDEP 3546)** | | | | | | | | | | | | | | | |
| C12-C16 Aliphatics | mg/kg | NE | NE | NE | NE | NE | < 2.2 | < 2.1 | < 2.1 | < 2.1 | < 2.1 | < 2.1 | < 2.1 | < 2.1 | **2.4** |
| C16-C21 Aliphatics | mg/kg | NE | NE | NE | NE | NE | < 2.2 | < 2.1 | < 2.1 | < 2.1 | < 2.1 | < 2.1 | < 2.1 | < 2.1 | < 2.1 |
| C21-C40 Aliphatics | mg/kg | NE | NE | NE | NE | NE | < 2.2 | < 2.1 | < 2.1 | < 2.1 | < 2.1 | **8.1** | **9.5** | < 2.1 | **13** |
| C9-C12 Aliphatics | mg/kg | NE | NE | NE | NE | NE | < 2.1 | < 2.1 | < 2.1 | < 2.1 | < 2.1 | < 2.1 | < 2.1 | < 2.1 | < 2.1 |
| Total Aliphatics | mg/kg | NE | NE | NE | NE | NE | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | **8.1** | **9.5** | < 2.0 | **13** |
| Total Aromatics | mg/kg | NE | NE | NE | NE | NE | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | **18** |
| Total EPH | mg/kg | NE | NE | NE | NE | NE | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | **8.1** | **9.5** | < 2.0 | **31** |
| **TCLP Metals (SW846 1311/6010C/1311/7470A)** | | | | | | | | | | | | | | | |
| Silver | mg/L | NE | NE | NE | NE | NE | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 |
| Arsenic | mg/L | NE | NE | NE | NE | NE | < 0.0300 | < 0.0300 | < 0.0300 | < 0.0280 | < 0.0170 | < 0.0170 | **0.0305** | < 0.0300 | < 0.0300 |
| Barium | mg/L | NE | NE | NE | NE | NE | **0.146** | < 0.100 | **0.117** | < 0.100 | **0.122** | **0.178** | **0.239** | **0.130** | **0.232** |
| Cadmium | mg/L | NE | NE | NE | NE | NE | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 |
| Chromium | mg/L | NE | NE | NE | NE | NE | **0.0547** | **0.0145** | **0.0366** | **0.0410** | < 0.0230 | < 0.0230 | **0.0683** | **0.0561** | **0.0179** |
| Mercury | mg/L | NE | NE | NE | NE | NE | < 0.00040 | < 0.00040 | < 0.00040 | < 0.00040 | < 0.00040 | < 0.00040 | < 0.00030 | < 0.00040 | < 0.00030 |
| Lead | mg/L | NE | NE | NE | NE | NE | **0.118** | < 0.0150 | **0.0275** | **0.0196** | < 0.0150 | **0.0304** | **0.0410** | **0.0226** | **0.0187** |
| Selenium | mg/L | NE | NE | NE | NE | NE | < 0.0300 | < 0.0300 | < 0.0300 | < 0.0300 | < 0.0300 | < 0.0500 | < 0.0300 | < 0.0300 | < 0.0300 |
| **TCLP Pesticides (SW846 1311/8081B)** | | | | | | | | | | | | | | | |
| gamma-BHC (Lindane) | µg/L | NE | NE | NE | NE | NE | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| Heptachlor | µg/L | NE | NE | NE | NE | NE | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| Heptachlor epoxide | µg/L | NE | NE | NE | NE | NE | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| Dieldrin | µg/L | NE | NE | NE | NE | NE | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| 4,4'-DDE (p,p') | µg/L | NE | NE | NE | NE | NE | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| Endrin | µg/L | NE | NE | NE | NE | NE | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 |
| 4,4'-DDD (p,p') | µg/L | NE | NE | NE | NE | NE | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 |
| 4,4'-DDT (p,p') | µg/L | NE | NE | NE | NE | NE | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 |
| Methoxychlor | µg/L | NE | NE | NE | NE | NE | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 |
| Endrin ketone | µg/L | NE | NE | NE | NE | NE | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 |
| Endrin aldehyde | µg/L | NE | NE | NE | NE | NE | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 |
| Toxaphene | µg/L | NE | NE | NE | NE | NE | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Chlordane | µg/L | NE | NE | NE | NE | NE | < 2.50 | < 2.50 | < 2.50 | < 2.50 | < 2.50 | < 2.50 | < 2.50 | < 2.50 | < 2.50 |
| **TCLP Semi-Volatile Organic Carbons (SW846 1311/8270D)** | | | | | | | | | | | | | | | |
| 1,4-Dichlorobenzene | µg/L | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| 2,4-Dinitrotoluene | µg/L | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| Hexachlorobenzene | µg/L | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| Hexachlorobutadiene | µg/L | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| Hexachloroethane | µg/L | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| 2-Methylphenol | µg/L | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| 3 & 4-Methylphenol | µg/L | NE | NE | NE | NE | NE | < 100 | < 100 | < 100 | < 100 | < 100 | < 100 | < 100 | < 100 | < 100 |
| Nitrobenzene | µg/L | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| Pentachlorophenol | µg/L | NE | NE | NE | NE | NE | < 200 | < 200 | < 200 | < 200 | < 200 | < 200 | < 200 | < 200 | < 200 |
| Pyridine | µg/L | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| 2,4,5-Trichlorophenol | µg/L | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| 2,4,6-Trichlorophenol | µg/L | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 |

**Table 7-Composite Sample Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | | | | | | | SC60413-15 | SC60396-08 | SC60396-09 | SC60404-05 | SC60444-06 | SC60444-07 | SC60421-16 | SC60413-05 | SC60421-15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | UNITS | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | COMP-8 | COMP-9-1 | COMP-9-2 | COMP-10 | COMP-11 | COMP-12 | COMP-14 | COMP-15 | COMP-16 |
| Matrix: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | Composite Soil | Composite Soil | Composite Soil | Composite Soil | Composite Soil | Composite Soil | Composite Soil | Composite Soil | Composite Soil |
| Sample Location: | | | | | | | SB-8A/SB-8B | SB-9A/SB-9B | SB-9A/SB-9B | SB-10A/SB-10B | SB-11A/SB-11B | SB-12A/SB-12B | SB-14A/SB-14B | SB-15A/SB-15B | SB-16A/SB-16B |
| Sample Depth: | | | | | | | 0-5 ft | 0-5 ft | 0-5 ft | 0-12 ft | 0-5 ft | 0-12 ft | 0-5 ft | 0-12 ft | 0-5 ft |
| Sample Date: | | | | | | | 1/8/2021 | 1/6/2021 | 1/6/2021 | 1/7/2021 | 1/12/2021 | 1/12/2021 | 1/11/2021 | 1/8/2021 | 1/11/2021 |
| **Metals (SW846 6010C/6010D/7196A/7471B)** | | | | | | | | | | | | | | | |
| Silver | mg/kg | 36 | 180 | 1500 | 6800 | 2 | < 1.48 | < 1.54 | < 1.67 | < 1.60 | < 1.59 | < 1.50 | < 1.55 | < 1.57 | < 1.62 |
| Aluminum | mg/kg | NE | NE | NE | NE | NE | **4,960** | **4,360** | **3,420** | **782** | **4,220** | **3,440** | **5,950** | **1,830** | **3,310** |
| Arsenic | mg/kg | 16 | 16 | 16 | 16 | 13 | < 1.48 | < 1.54 | < 1.67 | < 1.60 | **1.60** | < 1.50 | **1.90** | < 1.57 | < 1.62 |
| Barium | mg/kg | 350 | 400 | 400 | 10000 | 350 | **5.53** | **6.57** | **4.95** | **2.69** | **7.19** | **8.75** | **9.66** | **3.83** | **9.19** |
| Beryllium | mg/kg | 14 | 72 | 590 | 2700 | 7.2 | < 0.494 | < 0.513 | < 0.555 | < 0.533 | < 0.528 | < 0.498 | < 0.518 | < 0.525 | < 0.539 |
| Calcium | mg/kg | NE | NE | NE | NE | NE | **65.2** | **70.1** | **62.0** | < 26.6 | **140** | **1180** | **98.3** | **32.9** | **126** |
| Cadmium | mg/kg | 2.5 | 4.3 | 9.3 | 60 | 2.5 | < 0.494 | < 0.513 | < 0.555 | < 0.533 | < 0.528 | < 0.498 | < 0.518 | < 0.525 | < 0.539 |
| Cobalt | mg/kg | 30 | NE | NE | NE | NE | < 0.988 | < 1.03 | < 1.11 | < 1.07 | **1.35** | **1.21** | **1.33** | < 10.5 | < 1.08 |
| Chromium | mg/kg | NE | NE | NE | NE | NE | **4.18** | **3.56** | **3.40** | **1.75** | **5.68** | **4.69** | **6.29** | **3.72** | **4.81** |
| Copper | mg/kg | 270 | 270 | 270 | 10000 | 50 | **1.74** | **2.07** | **2.23** | **1.26** | **2.63** | **2.87** | **2.58** | **1.67** | **2.59** |
| Iron | mg/kg | 2000 | NE | NE | NE | NE | **4,420** | **4,190** | **3,780** | **1,550** | **4,430** | **4,130** | **6,430** | **2,820** | **3,430** |
| Mercury | mg/kg | 0.81 | 0.81 | 2.8 | 5.7 | 0.18 | < 0.0278 | < 0.0309 | < 0.0308 | < 0.0289 | < 0.0307 | < 0.0334 | < 0.0761 | < 0.0273 | < 0.0766 |
| Potassium | mg/kg | NE | NE | NE | NE | NE | **133** | **126** | **110** | < 53.3 | **175** | **244** | **251** | **101** | **206** |
| Magnesium | mg/kg | NE | NE | NE | NE | NE | **395** | **299** | **247** | **67.6** | **511** | **586** | **543** | **259** | **363** |
| Manganese | mg/kg | 2000 | 2000 | 10000 | 10000 | 1600 | **40.0** | **92.8** | **67.8** | **19.8** | **36.4** | **41.7** | **49.4** | **38.4** | **43.0** |
| Sodium | mg/kg | NE | NE | NE | NE | NE | < 74.1 | **147** | **137** | < 79.9 | **95.7** | **198** | **162** | < 78.7 | **82.0** |
| Nickel | mg/kg | 140 | 310 | 310 | 10000 | 30 | **2.08** | **2.11** | **1.82** | < 1.07 | **2.62** | **2.36** | **3.22** | **1.31** | **2.38** |
| Lead | mg/kg | 400 | 400 | 1000 | 3900 | 63 | **4.48** | **2.84** | **2.75** | **1.60** | **3.34** | **5.16** | **4.06** | **2.05** | **3.33** |
| Antimony | mg/kg | NE | NE | NE | NE | NE | < 4.94 | < 5.13 | < 5.55 | < 5.33 | < 5.28 | < 4.98 | < 5.18 | < 5.25 | < 5.39 |
| Selenium | mg/kg | 36 | 180 | 1500 | 6800 | 3.9 | < 1.48 | < 1.54 | < 1.67 | < 1.60 | < 1.59 | < 1.50 | < 1.55 | < 1.57 | < 1.62 |
| Thallium | mg/kg | NE | NE | NE | NE | NE | < 2.96 | < 3.08 | < 3.33 | < 3.20 | < 3.17 | < 2.99 | < 3.11 | < 3.15 | < 3.23 |
| Vanadium | mg/kg | 100 | NE | NE | NE | NE | **8.80** | **7.12** | **6.23** | **2.39** | **9.61** | **9.31** | **13.4** | **5.57** | **7.9** |
| Zinc | mg/kg | 2200 | 10000 | 10000 | 10000 | 109 | **6.34** | **7.13** | **6.14** | < 3.20 | **7.15** | **8.03** | **7.42** | < 3.15 | **5.72** |
| Cr (VI) | mg/kg | 22 | 110 | 400 | 800 | 1 | < 2.2 | < 2.1 | < 2.1 | < 2.1 | < 2.1 | < 2.1 | < 2.1 | < 2.1 | < 2.1 |
| Trivalent Chromium | mg/kg | 36 | 180 | 1500 | 6800 | 30 | **4.03** | **3.56** | **3.40** | **1.75** | **5.68** | **4.69** | **6.29** | **3.51** | **4.81** |
| **Pesticides (SW846 8081B)** | | | | | | | | | | | | | | | |
| alpha-BHC | µg/kg | 97 | 480 | 3400 | 6800 | 20 | < 5.10 | < 5.23 | < 5.30 | < 5.09 | < 5.06 | < 5.11 | < 5.29 | < 5.29 | < 5.06 |
| beta-BHC | µg/kg | 72 | 360 | 3000 | 14000 | 36 | < 5.10 | < 5.23 | < 5.30 | < 5.09 | < 5.06 | < 5.11 | < 5.29 | < 5.29 | < 5.06 |
| delta-BHC | µg/kg | 100000 | 100000 | 500000 | 1000000 | 40 | < 5.10 | < 5.23 | < 5.30 | < 5.09 | < 5.06 | < 5.11 | < 5.29 | < 5.29 | < 5.06 |
| gamma-BHC (Lindane) | µg/kg | 280 | 1300 | 9200 | 23000 | 100 | < 3.05 | < 3.14 | < 3.18 | < 3.05 | < 3.04 | < 3.07 | < 3.17 | < 3.18 | < 3.04 |
| Heptachlor | µg/kg | 420 | 2100 | 15000 | 29000 | 42 | < 5.10 | < 5.23 | < 5.30 | < 5.09 | < 5.06 | < 5.11 | < 5.29 | < 5.29 | < 5.06 |
| Aldrin | µg/kg | 19 | 97 | 680 | 1400 | 5 | < 5.10 | < 5.23 | < 5.30 | < 5.09 | < 5.06 | < 5.11 | < 5.29 | < 5.29 | < 5.06 |
| Heptachlor epoxide | µg/kg | 77 | NE | NE | NE | NE | < 5.10 | < 5.23 | < 5.30 | < 5.09 | < 5.06 | < 5.11 | < 5.29 | < 5.29 | < 5.06 |
| Endosulfan I | µg/kg | 4800 | 24000 | 200000 | 920000 | 2400 | < 5.10 | < 5.23 | < 5.30 | < 5.09 | < 5.06 | < 5.11 | < 5.29 | < 5.29 | < 5.06 |
| Dieldrin | µg/kg | 39 | 200 | 1400 | 2800 | 5 | < 5.10 | < 5.23 | < 5.30 | < 5.09 | < 5.06 | < 5.11 | < 5.29 | < 5.29 | < 5.06 |
| 4,4'-DDE (p,p') | µg/kg | 1800 | 8900 | 62000 | 120000 | 3.3 | < 5.10 | < 5.23 | < 5.30 | < 5.09 | < 5.06 | < 5.11 | < 5.29 | < 5.29 | < 5.06 |
| Endrin | µg/kg | 2200 | 11000 | 89000 | 410000 | 14 | < 8.16 | < 8.36 | < 8.47 | < 8.14 | < 8.10 | < 8.18 | < 8.46 | < 8.47 | < 8.10 |
| Endosulfan II | µg/kg | 4800 | 24000 | 200000 | 920000 | 2400 | < 8.16 | < 8.36 | < 8.47 | < 8.14 | < 8.10 | < 8.14 | < 8.46 | < 8.47 | < 8.10 |
| 4,4'-DDD (p,p') | µg/kg | 2600 | 13000 | 92000 | 180000 | 3.3 | < 8.16 | < 8.36 | < 8.47 | < 8.14 | < 8.10 | < 8.14 | < 8.46 | < 8.47 | < 8.10 |
| Endosulfan sulfate | µg/kg | 4800 | 24000 | 200000 | 920000 | 2400 | < 8.16 | < 8.36 | < 8.47 | < 8.14 | < 8.10 | < 8.14 | < 8.46 | < 8.47 | < 8.10 |
| 4,4'-DDT (p,p') | µg/kg | 1700 | 7900 | 47000 | 94000 | 3.3 | < 8.16 | < 8.36 | < 8.47 | < 8.14 | < 8.10 | < 8.14 | < 8.46 | < 8.47 | < 8.10 |
| Methoxychlor | µg/kg | 100000 | NE | NE | NE | NE | < 8.16 | < 8.36 | < 8.47 | < 8.14 | < 8.10 | < 8.14 | < 8.46 | < 8.47 | < 8.10 |
| Endrin ketone | µg/kg | NE | NE | NE | NE | NE | < 8.16 | < 8.36 | < 8.47 | < 8.14 | < 8.10 | < 8.14 | < 8.46 | < 8.47 | < 8.10 |
| Endrin aldehyde | µg/kg | NE | NE | NE | NE | NE | < 8.16 | < 8.36 | < 8.47 | < 8.14 | < 8.10 | < 8.14 | < 8.46 | < 8.47 | < 8.10 |
| alpha-Chlordane | µg/kg | 910 | 4200 | 24000 | 47000 | 94 | < 5.10 | < 5.23 | < 5.30 | < 5.09 | < 5.06 | < 5.11 | < 5.29 | < 5.29 | < 5.06 |
| gamma-Chlordane | µg/kg | 540 | NE | NE | NE | NE | < 5.10 | < 5.23 | < 5.30 | < 5.09 | < 5.06 | < 5.11 | < 5.29 | < 5.29 | < 5.06 |
| Toxaphene | µg/kg | NE | NE | NE | NE | NE | < 102 | < 105 | < 106 | < 102 | < 101 | < 102 | < 106 | < 106 | < 101 |
| Chlordane | µg/kg | NE | NE | NE | NE | NE | < 20.4 | < 20.9 | < 21.2 | < 20.4 | < 20.2 | < 20.4 | < 21.2 | < 21.2 | < 20.2 |
| Alachlor | µg/kg | NE | NE | NE | NE | NE | < 5.10 | < 5.23 | < 5.30 | < 5.09 | < 5.06 | < 5.11 | < 5.29 | < 5.29 | < 5.06 |

**Table 7-Composite Sample Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | | | | | | | SC60413-15 | SC60396-08 | SC60396-09 | SC60404-05 | SC60444-06 | SC60444-07 | SC60421-16 | SC60413-05 | SC60421-15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | UNITS | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | COMP-8 | COMP-9-1 | COMP-9-2 | COMP-10 | COMP-11 | COMP-12 | COMP-14 | COMP-15 | COMP-16 |
| Matrix: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | Composite Soil | Composite Soil | Composite Soil | Composite Soil | Composite Soil | Composite Soil | Composite Soil | Composite Soil | Composite Soil |
| Sample Location: | | | | | | | SB-8A/SB-8B | SB-9A/SB-9B | SB-9A/SB-9B | SB-10A/SB-10B | SB-11A/SB-11B | SB-12A/SB-12B | SB-14A/SB-14B | SB-15A/SB-15B | SB-16A/SB-16B |
| Sample Depth: | | | | | | | 0-5 ft | 0-5 ft | 0-5 ft | 0-12 ft | 0-5 ft | 0-12 ft | 0-5 ft | 0-12 ft | 0-5 ft |
| Sample Date: | | | | | | | 1/8/2021 | 1/6/2021 | 1/6/2021 | 1/7/2021 | 1/12/2021 | 1/12/2021 | 1/11/2021 | 1/8/2021 | 1/11/2021 |
| **Polychlorinated Biphenyls (SW846 8082A)** | | | | | | | | | | | | | | | |
| Aroclor-1016 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | < 20.4 | < 20.9 | < 21.2 | < 20.5 | < 20.2 | < 20.4 | < 21.2 | < 21.2 | < 20.2 |
| Aroclor-1221 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | < 20.4 | < 20.9 | < 21.2 | < 20.5 | < 20.2 | < 20.4 | < 21.2 | < 21.2 | < 20.2 |
| Aroclor-1232 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | < 20.4 | < 20.9 | < 21.2 | < 20.5 | < 20.2 | < 20.4 | < 21.2 | < 21.2 | < 20.2 |
| Aroclor-1242 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | < 20.4 | < 20.9 | < 21.2 | < 20.5 | < 20.2 | < 20.4 | < 21.2 | < 21.2 | < 20.2 |
| Aroclor-1248 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | < 20.4 | < 20.9 | < 21.2 | < 20.5 | < 20.2 | < 20.4 | < 21.2 | < 21.2 | < 20.2 |
| Aroclor-1254 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | < 20.4 | < 20.9 | < 21.2 | < 20.5 | < 20.2 | < 20.4 | < 21.2 | < 21.2 | < 20.2 |
| Aroclor-1260 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | < 20.4 | < 20.9 | < 21.2 | < 20.5 | < 20.2 | < 20.4 | < 21.2 | < 21.2 | < 20.2 |
| Aroclor-1262 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | < 20.4 | < 20.9 | < 21.2 | < 20.5 | < 20.2 | < 20.4 | < 21.2 | < 21.2 | < 20.2 |
| Aroclor-1268 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | < 20.4 | < 20.9 | < 21.2 | < 20.5 | < 20.2 | < 20.4 | < 21.2 | < 21.2 | < 20.2 |
| **TCLP Herbicides (SW846 8151A)** | | | | | | | | | | | | | | | |
| 2,4,5-T | mg/L | NE | NE | NE | NE | NE | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 |
| 2,4-D | mg/L | NE | NE | NE | NE | NE | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 |
| Silvex (2,4,5-TP) | mg/L | NE | NE | NE | NE | NE | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 |
| **Semi-Volatile Organic Compounds (SW846 8270D/8270E)** | | | | | | | | | | | | | | | |
| Acenaphthene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 20000 | < 69.0 | < 70.6 | < 73.2 | < 68.4 | < 71.8 | < 69.6 | < 69.9 | < 69.2 | < 69.6 |
| Acenaphthylene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 100000 | < 69.0 | < 70.6 | < 73.2 | < 68.4 | < 71.8 | < 69.6 | < 69.9 | < 69.2 | < 69.6 |
| Aniline | µg/kg | 48000 | 100000 | 500000 | 1000000 | NE | < 342 | < 350 | < 362 | < 338 | < 355 | < 344 | < 346 | < 343 | < 69.6 |
| Anthracene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 100000 | < 69.0 | < 70.6 | < 73.2 | < 68.4 | < 71.8 | < 69.6 | < 69.9 | < 69.2 | < 69.6 |
| Azobenzene/Diphenyldiazene | µg/kg | NE | NE | NE | NE | NE | < 342 | < 350 | < 362 | < 338 | < 355 | < 344 | < 346 | < 343 | < 345 |
| Benzidine | µg/kg | NE | NE | NE | NE | NE | < 683 | < 699 | < 724 | < 676 | < 710 | < 689 | < 692 | < 685 | < 689 |
| Benzo (a) anthracene | µg/kg | 1000 | 1000 | 5600 | 11000 | 1000 | < 69.0 | < 70.6 | < 73.2 | < 68.4 | < 71.8 | < 69.6 | < 69.9 | < 69.2 | < 69.6 |
| Benzo (a) pyrene | µg/kg | 1000 | 1000 | 1000 | 1100 | 1000 | < 69.0 | < 70.6 | < 73.2 | < 68.4 | < 71.8 | < 69.6 | < 69.9 | < 69.2 | < 69.6 |
| Benzo (b) fluoranthene | µg/kg | 1000 | 1000 | 5600 | 11000 | 1000 | < 69.0 | < 70.6 | < 73.2 | < 68.4 | < 71.8 | < 69.6 | < 69.9 | < 69.2 | < 69.6 |
| Benzo (g,h,i) perylene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 100000 | < 69.0 | < 70.6 | < 73.2 | < 68.4 | < 71.8 | < 69.6 | < 69.9 | < 69.2 | < 69.6 |
| Benzo (k) fluoranthene | µg/kg | 1000 | 3900 | 56000 | 110000 | 800 | < 69.0 | < 70.6 | < 73.2 | < 68.4 | < 71.8 | < 69.6 | < 69.9 | < 69.2 | < 69.6 |
| Benzoic acid | µg/kg | 100000 | NE | NE | NE | NE | < 342 | < 350 | < 362 | < 338 | < 355 | < 344 | < 346 | < 343 | < 345 |
| Benzyl alcohol | µg/kg | NE | NE | NE | NE | NE | < 342 | < 350 | < 362 | < 338 | < 355 | < 344 | < 346 | < 343 | < 345 |
| Bis(2-chloroethoxy)methane | µg/kg | NE | NE | NE | NE | NE | < 342 | < 350 | < 362 | < 338 | < 355 | < 344 | < 346 | < 343 | < 345 |
| Bis(2-chloroethyl)ether | µg/kg | NE | NE | NE | NE | NE | < 173 | < 177 | < 183 | < 171 | < 180 | < 174 | < 175 | < 173 | < 174 |
| Bis(2-chloroisopropyl)ether | µg/kg | NE | NE | NE | NE | NE | < 173 | < 177 | < 183 | < 171 | < 180 | < 174 | < 175 | < 173 | < 174 |
| Bis(2-ethylhexyl)phthalate | µg/kg | 50000 | NE | NE | NE | NE | < 173 | < 177 | < 183 | < 171 | < 180 | < 174 | < 175 | < 173 | < 174 |
| 4-Bromophenyl phenyl ether | µg/kg | NE | NE | NE | NE | NE | < 342 | < 350 | < 362 | < 338 | < 355 | < 344 | < 346 | < 343 | < 345 |
| Butyl benzyl phthalate | µg/kg | 100000 | NE | NE | NE | NE | < 342 | < 350 | < 362 | < 338 | < 355 | < 344 | < 346 | < 343 | < 345 |
| Carbazole | µg/kg | NE | NE | NE | NE | NE | < 173 | < 177 | < 183 | < 171 | < 180 | < 174 | < 175 | < 173 | < 174 |
| 4-Chloro-3-methylphenol | µg/kg | NE | NE | NE | NE | NE | < 342 | < 350 | < 362 | < 338 | < 355 | < 344 | < 346 | < 343 | < 345 |
| 4-Chloroaniline | µg/kg | 100000 | NE | NE | NE | NE | < 173 | < 177 | < 183 | < 171 | < 180 | < 174 | < 175 | < 173 | < 174 |
| 2-Chloronaphthalene | µg/kg | NE | NE | NE | NE | NE | < 342 | < 350 | < 362 | < 338 | < 355 | < 344 | < 346 | < 343 | < 345 |
| 2-Chlorophenol | µg/kg | 100000 | NE | NE | NE | NE | < 173 | < 177 | < 183 | < 171 | < 180 | < 174 | < 175 | < 173 | < 174 |
| 4-Chlorophenyl phenyl ether | µg/kg | NE | NE | NE | NE | NE | < 342 | < 350 | < 362 | < 338 | < 355 | < 344 | < 346 | < 343 | < 345 |
| Chrysene | µg/kg | 1000 | 3900 | 56000 | 110000 | 1000 | < 69.0 | < 70.6 | < 73.2 | < 68.4 | < 71.8 | < 69.6 | < 69.9 | < 69.2 | < 69.6 |
| Dibenzo (a,h) anthracene | µg/kg | 330 | 330 | 560 | 1100 | 330 | < 69.0 | < 70.6 | < 73.2 | < 68.4 | < 71.8 | < 69.6 | < 69.9 | < 69.2 | < 69.6 |
| Dibenzofuran | µg/kg | 14000 | 59000 | 350000 | 1000000 | 7000 | < 173 | < 177 | < 183 | < 171 | < 180 | < 174 | < 175 | < 173 | < 174 |
| 1,2-Dichlorobenzene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 1100 | < 342 | < 350 | < 362 | < 338 | < 355 | < 344 | < 346 | < 343 | < 345 |
| 1,3-Dichlorobenzene | µg/kg | 17000 | 49000 | 280000 | 560000 | 2400 | < 342 | < 350 | < 362 | < 338 | < 355 | < 344 | < 346 | < 343 | < 345 |
| 1,4-Dichlorobenzene | µg/kg | 9800 | 13000 | 130000 | 250000 | 1800 | < 342 | < 350 | < 362 | < 338 | < 355 | < 344 | < 346 | < 343 | < 345 |
| 3,3´-Dichlorobenzidine | µg/kg | NE | NE | NE | NE | NE | < 342 | < 350 | < 362 | < 338 | < 355 | < 344 | < 346 | < 343 | < 345 |
| 2,4-Dichlorophenol | µg/kg | 100000 | NE | NE | NE | NE | < 173 | < 177 | < 183 | < 171 | < 180 | < 174 | < 175 | < 173 | < 174 |
| Diethyl phthalate | µg/kg | 100000 | NE | NE | NE | NE | < 342 | < 350 | < 362 | < 338 | < 355 | < 344 | < 346 | < 343 | < 345 |
| Dimethyl phthalate | µg/kg | 100000 | NE | NE | NE | NE | < 342 | < 350 | < 362 | < 338 | < 355 | < 344 | < 346 | < 343 | < 345 |
| 2,4-Dimethylphenol | µg/kg | NE | NE | NE | NE | NE | < 342 | < 350 | < 362 | < 338 | < 355 | < 344 | < 346 | < 343 | < 345 |
| Di-n-butyl phthalate | µg/kg | 100000 | NE | NE | NE | NE | < 342 | < 350 | < 362 | < 338 | < 355 | < 344 | < 346 | < 343 | < 345 |
| 4,6-Dinitro-2-methylphenol | µg/kg | NE | NE | NE | NE | NE | < 342 | < 350 | < 362 | < 338 | < 355 | < 344 | < 346 | < 343 | < 345 |
| 2,4-Dinitrophenol | µg/kg | 100000 | NE | NE | NE | NE | < 342 | < 350 | < 362 | < 338 | < 355 | < 344 | < 346 | < 343 | < 345 |
| 2,4-Dinitrotoluene | µg/kg | NE | NE | NE | NE | NE | < 173 | < 177 | < 183 | < 171 | < 180 | < 174 | < 175 | < 173 | < 174 |
| 2,6-Dinitrotoluene | µg/kg | 1030 | NE | NE | NE | NE | < 173 | < 177 | < 183 | < 171 | < 180 | < 174 | < 175 | < 173 | < 174 |
| **Semi-Volatile Organic Compounds (SW846 8270D/8270E)** | | | | | | | | | | | | | | | |
| Di-n-octyl phthalate | µg/kg | 100000 | NE | NE | NE | NE | < 342 | < 350 | < 362 | < 338 | < 355 | < 338 | < 346 | < 343 | < 345 |
| Fluoranthene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 100000 | < 69.0 | < 70.6 | < 73.2 | < 68.4 | < 71.8 | < 69.6 | < 69.9 | < 69.2 | < 69.6 |
| Fluorene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 30000 | < 69.0 | < 70.6 | < 73.2 | < 68.4 | < 71.8 | < 69.6 | < 69.9 | < 69.2 | < 69.6 |
| Hexachlorobenzene | µg/kg | 330/410 | 1200 | 6000 | 12000 | 330 | < 173 | < 177 | < 183 | < 171 | < 180 | < 174 | < 175 | < 173 | < 174 |
| Hexachlorobutadiene | µg/kg | NE | NE | NE | NE | NE | < 173 | < 177 | < 183 | < 171 | < 180 | < 174 | < 175 | < 173 | < 174 |
| Hexachlorocyclopentadiene | µg/kg | NE | NE | NE | NE | NE | < 173 | < 177 | < 183 | < 171 | < 180 | < 174 | < 175 | < 173 | < 174 |
| Hexachloroethane | µg/kg | NE | NE | NE | NE | NE | < 173 | < 177 | < 183 | < 171 | < 180 | < 174 | < 175 | < 173 | < 174 |
| Indeno (1,2,3-cd) pyrene | µg/kg | 500 | 500 | 5600 | 11000 | 500 | < 69.0 | < 70.6 | < 73.2 | < 68.4 | < 71.8 | < 69.6 | < 69.9 | < 69.2 | < 69.6 |
| Isophorone | µg/kg | 100000 | NE | NE | NE | NE | < 173 | < 177 | < 183 | < 171 | < 180 | < 174 | < 175 | < 173 | < 174 |
| 2-Methylnaphthalene | µg/kg | 410 | NE | NE | NE | NE | < 69.0 | < 70.6 | < 73.2 | < 68.4 | < 71.8 | < 69.6 | < 69.9 | < 69.2 | < 69.6 |
| 2-Methylphenol (o-Cresol) | µg/kg | 100000 | 100000 | 500000 | 1000000 | 330 | < 342 | < 350 | < 362 | < 338 | < 355 | < 344 | < 346 | < 343 | < 345 |

**Table 7-Composite Sample Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | | | | | | | SC60413-15 | SC60396-08 | SC60396-09 | SC60404-05 | SC60444-06 | SC60444-07 | SC60421-16 | SC60413-05 | SC60421-15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **PARAMETERS** | **UNITS** | **NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives** | **NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives** | **NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives** | **NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives** | **NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives** | **COMP-8** | **COMP-9-1** | **COMP-9-2** | **COMP-10** | **COMP-11** | **COMP-12** | **COMP-14** | **COMP-15** | **COMP-16** |
| **Matrix:** | | **Residential** | **Restricted Residential** | **Commercial** | **Industrial** | **Unrestricted** | **Composite Soil** | **Composite Soil** | **Composite Soil** | **Composite Soil** | **Composite Soil** | **Composite Soil** | **Composite Soil** | **Composite Soil** | **Composite Soil** |
| **Sample Location:** | | | | | | | **SB-8A/SB-8B** | **SB-9A/SB-9B** | **SB-9A/SB-9B** | **SB-10A/SB-10B** | **SB-11A/SB-11B** | **SB-12A/SB-12B** | **SB-14A/SB-14B** | **SB-15A/SB-15B** | **SB-16A/SB-16B** |
| **Sample Depth:** | | | | | | | **0-5 ft** | **0-5 ft** | **0-5 ft** | **0-12 ft** | **0-5 ft** | **0-12 ft** | **0-5 ft** | **0-12 ft** | **0-5 ft** |
| **Sample Date:** | | | | | | | **1/8/2021** | **1/6/2021** | **1/6/2021** | **1/7/2021** | **1/12/2021** | **1/12/2021** | **1/11/2021** | **1/8/2021** | **1/11/2021** |
| 3 & 4-Methylphenol | µg/kg | NE | NE | NE | NE | NE | < 342 | < 350 | < 362 | < 338 | < 355 | < 344 | < 346 | < 343 | < 345 |
| Naphthalene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 12000 | < 69.0 | < 70.6 | < 73.2 | < 68.4 | < 71.8 | < 69.6 | < 69.9 | < 69.2 | < 69.6 |
| 2-Nitroaniline | µg/kg | NE | NE | NE | NE | NE | < 342 | < 350 | < 362 | < 338 | < 355 | < 344 | < 346 | < 343 | < 345 |
| 3-Nitroaniline | µg/kg | NE | NE | NE | NE | NE | < 342 | < 350 | < 362 | < 338 | < 355 | < 344 | < 346 | < 343 | < 345 |
| 4-Nitroaniline | µg/kg | NE | NE | NE | NE | NE | < 173 | < 177 | < 183 | < 171 | < 180 | < 174 | < 175 | < 173 | < 174 |
| Nitrobenzene | µg/kg | 3700 | 15000 | 69000 | 140000 | NE | < 173 | < 177 | < 183 | < 171 | < 180 | < 174 | < 175 | < 173 | < 174 |
| 2-Nitrophenol | µg/kg | NE | NE | NE | NE | NE | < 173 | < 177 | < 183 | < 171 | < 180 | < 174 | < 175 | < 173 | < 174 |
| 4-Nitrophenol | µg/kg | NE | NE | NE | NE | NE | < 342 | < 350 | < 362 | < 338 | < 355 | < 344 | < 346 | < 343 | < 345 |
| N-Nitrosodimethylamine | µg/kg | NE | NE | NE | NE | NE | < 173 | < 177 | < 183 | < 171 | < 180 | < 174 | < 175 | < 173 | < 174 |
| N-Nitrosodi-n-propylamine | µg/kg | NE | NE | NE | NE | NE | < 173 | < 177 | < 183 | < 171 | < 180 | < 174 | < 175 | < 173 | < 174 |
| N-Nitrosodiphenylamine | µg/kg | NE | NE | NE | NE | NE | < 342 | < 350 | < 362 | < 338 | < 355 | < 344 | < 346 | < 343 | < 345 |
| Pentachlorophenol | µg/kg | 2400 | 6700 | 6700 | 55000 | 800 | < 342 | < 350 | < 362 | < 338 | < 355 | < 344 | < 346 | < 343 | < 345 |
| Phenanthrene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 100000 | < 69.0 | < 70.6 | < 73.2 | < 68.4 | < 71.8 | < 69.6 | < 69.9 | < 69.2 | < 69.6 |
| Phenol | µg/kg | 100000 | 100000 | 500000 | 1000000 | 330 | < 342 | < 350 | < 362 | < 338 | < 355 | < 344 | < 346 | < 343 | < 345 |
| Pyrene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 100000 | < 69.0 | < 70.6 | < 73.2 | < 68.4 | < 71.8 | < 68.4 | < 69.9 | < 69.2 | < 69.6 |
| Pyridine | µg/kg | NE | NE | NE | NE | NE | < 342 | < 350 | < 362 | < 338 | < 355 | < 344 | < 346 | < 343 | < 345 |
| 1,2,4-Trichlorobenzene | µg/kg | NE | NE | NE | NE | NE | < 342 | < 350 | < 362 | < 338 | < 355 | < 344 | < 346 | < 343 | < 345 |
| 1-Methylnaphthalene | µg/kg | NE | NE | NE | NE | NE | < 69.0 | < 70.6 | < 73.2 | < 68.4 | < 71.8 | < 69.6 | < 69.9 | < 69.2 | < 69.6 |
| 2,4,5-Trichlorophenol | µg/kg | 100000 | NE | NE | NE | NE | < 342 | < 350 | < 362 | < 338 | < 355 | < 344 | < 346 | < 343 | < 345 |
| 2,4,6-Trichlorophenol | µg/kg | NE | NE | NE | NE | NE | < 173 | < 177 | < 183 | < 171 | < 180 | < 174 | < 175 | < 173 | < 174 |
| Pentachloronitrobenzene | µg/kg | NE | NE | NE | NE | NE | < 342 | < 350 | < 362 | < 338 | < 355 | < 344 | < 346 | < 343 | < 345 |
| 1,2,4,5-Tetrachlorobenzene | µg/kg | NE | NE | NE | NE | NE | < 342 | < 350 | < 362 | < 338 | < 355 | < 344 | < 346 | < 343 | < 345 |
| **Classical Chemistry** | | | | | | | | | | | | | | | |
| Total Cyanide | mg/kg | 27 | 27 | 27 | 10000 | 27 | **0.15 J** | < 0.21 | < 0.22 | < 0.21 | **0.18 J** | < 0.25 | < 0.25 | < 0.25 | < 0.25 |
| Reactive Cyanide | mg/kg | NE | NE | NE | NE | NE | < 25.0 | < 25.0 | < 25.0 | < 25.0 | < 25.0 | < 25.0 | < 25.0 | < 25.0 | < 25.0 |
| Reactive Sulfide | mg/kg | NE | NE | NE | NE | NE | < 20.0 | < 20.0 | < 20.0 | < 20.0 | < 20.0 | < 20.0 | < 20.0 | < 20.0 | < 20.0 |
| Corrosivity | SU | NE | NE | NE | NE | NE | **6.2** | **6.4** | **6.5** | **7.0** | **7.2** | **7.9** | **6.1** | **5.6** | **6.7** |
| Free Liquid | N/A | NE | NE | NE | NE | NE | **Negative** | **Negative** | **Negative** | **Negative** | **Negative** | **Negative** | **Negative** | **Negative** | **Negative** |
| Oxidation Reduction Potential | mV | NE | NE | NE | NE | NE | **518** | **472** | **510** | **467** | **523** | **487** | **512** | **530** | **480** |
| Ignitability by Definition | N/A | NE | NE | NE | NE | NE | **Negative** | **Negative** | **Negative** | **Negative** | **Negative** | **Negative** | **Negative** | **Negative** | **Negative** |

Notes
1. "<" indicates the parameter is not detected.
2."NE" indicates a standard for the parameter is not established.
3. "NT" indicates that the parameter was not tested for.
4. Bold values indicate the constituent was detected above the laboratory reporting limit. Yellow highlight indicates an exceedance of NYDEC's CP-51 Residential Use Cleanup Ob
5. PCB criteria apply to total PCBs.
6. "BD" indicates the soil sample is a blind duplicate sample.
7. "J" indicates the result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

**Table 7-Composite Sample Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | SC60421-14 | SC60421-13 |
|---|---|---|---|---|---|---|---|---|
| **PARAMETERS** | | | | | | | **COMP-17** | **COMP-18** |
| **Matrix:** | | | | | | | **Composite Soil** | **Composite Soil** |
| **Sample Location:** | | **Residential** | **Restricted Residential** | **Commercial** | **Industrial** | **Unrestricted** | **SB-17A/SB-17B** | **SB-18A/SB-18B** |
| **Sample Depth:** | | | | | | | **0-5 ft** | **0-12 ft** |
| **Sample Date:** | | | | | | | **1/11/2021** | **1/11/2021** |
| **Extractable Petroleum Hydrocarbons (NJDEP 3546)** | | | | | | | | |
| C12-C16 Aliphatics | mg/kg | NE | NE | NE | NE | NE | < 2.1 | **2.7** |
| C16-C21 Aliphatics | mg/kg | NE | NE | NE | NE | NE | < 2.1 | **2.2** |
| C21-C40 Aliphatics | mg/kg | NE | NE | NE | NE | NE | < 2.1 | **25** |
| C9-C12 Aliphatics | mg/kg | NE | NE | NE | NE | NE | < 2.1 | < 2.1 |
| Total Aliphatics | mg/kg | NE | NE | NE | NE | NE | < 2.0 | **25** |
| Total Aromatics | mg/kg | NE | NE | NE | NE | NE | < 2.0 | **30** |
| Total EPH | mg/kg | NE | NE | NE | NE | NE | < 2.0 | **55** |
| **TCLP Metals (SW846 1311/6010C/1311/7470A)** | | | | | | | | |
| Silver | mg/L | NE | NE | NE | NE | NE | < 0.0100 | < 0.0100 |
| Arsenic | mg/L | NE | NE | NE | NE | NE | < 0.0300 | < 0.0300 |
| Barium | mg/L | NE | NE | NE | NE | NE | **0.138** | **0.151** |
| Cadmium | mg/L | NE | NE | NE | NE | NE | < 0.0050 | < 0.0050 |
| Chromium | mg/L | NE | NE | NE | NE | NE | **0.0369** | **0.0516** |
| Mercury | mg/L | NE | NE | NE | NE | NE | < 0.00030 | < 0.00030 |
| Lead | mg/L | NE | NE | NE | NE | NE | **0.0414** | **0.0315** |
| Selenium | mg/L | NE | NE | NE | NE | NE | < 0.0300 | < 0.0300 |
| **TCLP Pesticides (SW846 1311/8081B)** | | | | | | | | |
| gamma-BHC (Lindane) | µg/L | NE | NE | NE | NE | NE | < 0.250 | < 0.250 |
| Heptachlor | µg/L | NE | NE | NE | NE | NE | < 0.250 | < 0.250 |
| Heptachlor epoxide | µg/L | NE | NE | NE | NE | NE | < 0.250 | < 0.250 |
| Dieldrin | µg/L | NE | NE | NE | NE | NE | < 0.250 | < 0.250 |
| 4,4'-DDE (p,p') | µg/L | NE | NE | NE | NE | NE | < 0.250 | < 0.250 |
| Endrin | µg/L | NE | NE | NE | NE | NE | < 0.500 | < 0.500 |
| 4,4'-DDD (p,p') | µg/L | NE | NE | NE | NE | NE | < 0.500 | < 0.500 |
| 4,4'-DDT (p,p') | µg/L | NE | NE | NE | NE | NE | < 0.500 | < 0.500 |
| Methoxychlor | µg/L | NE | NE | NE | NE | NE | < 0.500 | < 0.500 |
| Endrin ketone | µg/L | NE | NE | NE | NE | NE | < 0.500 | < 0.500 |
| Endrin aldehyde | µg/L | NE | NE | NE | NE | NE | < 0.500 | < 0.500 |
| Toxaphene | µg/L | NE | NE | NE | NE | NE | < 5.00 | < 5.00 |
| Chlordane | µg/L | NE | NE | NE | NE | NE | < 2.50 | < 2.50 |
| **TCLP Semi-Volatile Organic Carbons (SW846 1311/8270D)** | | | | | | | | |
| 1,4-Dichlorobenzene | µg/L | NE | NE | NE | NE | NE | < 50.0 | < 50.0 |
| 2,4-Dinitrotoluene | µg/L | NE | NE | NE | NE | NE | < 50.0 | < 50.0 |
| Hexachlorobenzene | µg/L | NE | NE | NE | NE | NE | < 50.0 | < 50.0 |
| Hexachlorobutadiene | µg/L | NE | NE | NE | NE | NE | < 50.0 | < 50.0 |
| Hexachloroethane | µg/L | NE | NE | NE | NE | NE | < 50.0 | < 50.0 |
| 2-Methylphenol | µg/L | NE | NE | NE | NE | NE | < 50.0 | < 50.0 |
| 3 & 4-Methylphenol | µg/L | NE | NE | NE | NE | NE | < 100 | < 100 |
| Nitrobenzene | µg/L | NE | NE | NE | NE | NE | < 50.0 | < 50.0 |
| Pentachlorophenol | µg/L | NE | NE | NE | NE | NE | < 200 | < 200 |
| Pyridine | µg/L | NE | NE | NE | NE | NE | < 50.0 | < 50.0 |
| 2,4,5-Trichlorophenol | µg/L | NE | NE | NE | NE | NE | < 50.0 | < 50.0 |
| 2,4,6-Trichlorophenol | µg/L | NE | NE | NE | NE | NE | < 50.0 | < 50.0 |

**Table 7-Composite Sample Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | SC60421-14 | SC60421-13 |
|---|---|---|---|---|---|---|---|---|
| PARAMETERS | | | | | | | COMP-17 | COMP-18 |
| Matrix: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | Composite Soil | Composite Soil |
| Sample Location: | | | | | | | SB-17A/SB-17B | SB-18A/SB-18B |
| Sample Depth: | | | | | | | 0-5 ft | 0-12 ft |
| Sample Date: | | | | | | | 1/11/2021 | 1/11/2021 |
| **Metals (SW846 6010C/6010D/7196A/7471B)** | | | | | | | | |
| Silver | mg/kg | 36 | 180 | 1500 | 6800 | 2 | < 1.70 | < 1.43 |
| Aluminum | mg/kg | NE | NE | NE | NE | NE | **2,360** | **2,420** |
| Arsenic | mg/kg | 16 | 16 | 16 | 16 | 13 | < 1.70 | < 1.43 |
| Barium | mg/kg | 350 | 400 | 400 | 10000 | 350 | **3.71** | **5.42** |
| Beryllium | mg/kg | 14 | 72 | 590 | 2700 | 7.2 | < 0.566 | < 0.478 |
| Calcium | mg/kg | NE | NE | NE | NE | NE | **55.6** | **169.0** |
| Cadmium | mg/kg | 2.5 | 4.3 | 9.3 | 60 | 2.5 | < 0.566 | < 0.478 |
| Cobalt | mg/kg | 30 | NE | NE | NE | NE | < 1.3 | **1.23** |
| Chromium | mg/kg | NE | NE | NE | NE | NE | **2.49** | **5.01** |
| Copper | mg/kg | 270 | 270 | 270 | 10000 | 50 | **1.40** | **2.16** |
| Iron | mg/kg | 2000 | NE | NE | NE | NE | **2,120** | **2,810** |
| Mercury | mg/kg | 0.81 | 0.81 | 2.8 | 5.7 | 0.18 | < 0.0918 | < 0.0779 |
| Potassium | mg/kg | NE | NE | NE | NE | NE | **76.7** | **125** |
| Magnesium | mg/kg | NE | NE | NE | NE | NE | **128** | **303** |
| Manganese | mg/kg | 2000 | 2000 | 10000 | 10000 | 1600 | **25.3** | **47.4** |
| Sodium | mg/kg | NE | NE | NE | NE | NE | < 84.9 | < 71.7 |
| Nickel | mg/kg | 140 | 310 | 310 | 10000 | 30 | **1.22** | **1.83** |
| Lead | mg/kg | 400 | 400 | 1000 | 3900 | 63 | **2.27** | **2.40** |
| Antimony | mg/kg | NE | NE | NE | NE | NE | < 5.66 | < 4.78 |
| Selenium | mg/kg | 36 | 180 | 1500 | 6800 | 3.9 | < 1.70 | < 1.43 |
| Thallium | mg/kg | NE | NE | NE | NE | NE | < 3.39 | < 2.87 |
| Vanadium | mg/kg | 100 | NE | NE | NE | NE | **5.07** | **6.47** |
| Zinc | mg/kg | 2200 | 10000 | 10000 | 10000 | 109 | < 3.39 | **3.28** |
| Cr (VI) | mg/kg | 22 | 110 | 400 | 800 | 1 | < 2.1 | < 2.1 |
| Trivalent Chromium | mg/kg | 36 | 180 | 1500 | 6800 | 30 | **2.49** | **5.01** |
| **Pesticides (SW846 8081B)** | | | | | | | | |
| alpha-BHC | µg/kg | 97 | 480 | 3400 | 6800 | 20 | < 5.19 | < 5.14 |
| beta-BHC | µg/kg | 72 | 360 | 3000 | 14000 | 36 | < 5.19 | < 5.14 |
| delta-BHC | µg/kg | 100000 | 100000 | 500000 | 1000000 | 40 | < 5.19 | < 5.14 |
| gamma-BHC (Lindane) | µg/kg | 280 | 1300 | 9200 | 23000 | 100 | < 3.12 | < 3.08 |
| Heptachlor | µg/kg | 420 | 2100 | 15000 | 29000 | 42 | < 5.19 | < 5.14 |
| Aldrin | µg/kg | 19 | 97 | 680 | 1400 | 5 | < 5.19 | < 5.14 |
| Heptachlor epoxide | µg/kg | 77 | NE | NE | NE | NE | < 5.19 | < 5.14 |
| Endosulfan I | µg/kg | 4800 | 24000 | 200000 | 920000 | 2400 | < 5.19 | < 5.14 |
| Dieldrin | µg/kg | 39 | 200 | 1400 | 2800 | 5 | < 5.19 | < 5.14 |
| 4,4'-DDE (p,p') | µg/kg | 1800 | 8900 | 62000 | 120000 | 3.3 | < 5.19 | < 5.14 |
| Endrin | µg/kg | 2200 | 11000 | 89000 | 410000 | 14 | < 8.31 | < 8.22 |
| Endosulfan II | µg/kg | 4800 | 24000 | 200000 | 920000 | 2400 | < 8.31 | < 8.22 |
| 4,4'-DDD (p,p') | µg/kg | 2600 | 13000 | 92000 | 180000 | 3.3 | < 8.31 | < 8.22 |
| Endosulfan sulfate | µg/kg | 4800 | 24000 | 200000 | 920000 | 2400 | < 8.31 | < 8.22 |
| 4,4'-DDT (p,p') | µg/kg | 1700 | 7900 | 47000 | 94000 | 3.3 | < 8.31 | < 8.22 |
| Methoxychlor | µg/kg | 100000 | NE | NE | NE | NE | < 8.31 | < 8.22 |
| Endrin ketone | µg/kg | NE | NE | NE | NE | NE | < 8.31 | < 8.22 |
| Endrin aldehyde | µg/kg | NE | NE | NE | NE | NE | < 8.31 | < 8.22 |
| alpha-Chlordane | µg/kg | 910 | 4200 | 24000 | 47000 | 94 | < 5.19 | < 5.14 |
| gamma-Chlordane | µg/kg | 540 | NE | NE | NE | NE | < 5.19 | < 5.14 |
| Toxaphene | µg/kg | NE | NE | NE | NE | NE | < 104 | < 103 |
| Chlordane | µg/kg | NE | NE | NE | NE | NE | < 20.8 | < 20.5 |
| Alachlor | µg/kg | NE | NE | NE | NE | NE | < 5.19 | < 5.14 |

**Table 7-Composite Sample Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | SC60421-14 | SC60421-13 |
|---|---|---|---|---|---|---|---|---|
| PARAMETERS | | | | | | | COMP-17 | COMP-18 |
| Matrix: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | Composite Soil | Composite Soil |
| Sample Location: | | | | | | | SB-17A/SB-17B | SB-18A/SB-18B |
| Sample Depth: | | | | | | | 0-5 ft | 0-12 ft |
| Sample Date: | | | | | | | 1/11/2021 | 1/11/2021 |
| **Polychlorinated Biphenyls (SW846 8082A)** | | | | | | | | |
| Aroclor-1016 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | < 20.8 | < 20.5 |
| Aroclor-1221 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | < 20.8 | < 20.5 |
| Aroclor-1232 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | < 20.8 | < 20.5 |
| Aroclor-1242 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | < 20.8 | < 20.5 |
| Aroclor-1248 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | < 20.8 | < 20.5 |
| Aroclor-1254 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | < 20.8 | < 20.5 |
| Aroclor-1260 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | < 20.8 | < 20.5 |
| Aroclor-1262 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | < 20.8 | < 20.5 |
| Aroclor-1268 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | < 20.8 | < 20.5 |
| **TCLP Herbicides (SW846 8151A)** | | | | | | | | |
| 2,4,5-T | mg/L | NE | NE | NE | NE | NE | < 0.083 | < 0.083 |
| 2,4-D | mg/L | NE | NE | NE | NE | NE | < 0.083 | < 0.083 |
| Silvex (2,4,5-TP) | mg/L | NE | NE | NE | NE | NE | < 0.083 | < 0.083 |
| **Semi-Volatile Organic Compounds (SW846 8270D/8270E)** | | | | | | | | |
| Acenaphthene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 20000 | < 68.9 | < 69.5 |
| Acenaphthylene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 100000 | < 68.9 | < 69.5 |
| Aniline | µg/kg | 48000 | 100000 | 500000 | 1000000 | NE | < 341 | < 344 |
| Anthracene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 100000 | < 68.9 | < 69.5 |
| Azobenzene/Diphenyldiazene | µg/kg | NE | NE | NE | NE | NE | < 341 | < 344 |
| Benzidine | µg/kg | NE | NE | NE | NE | NE | < 682 | < 688 |
| Benzo (a) anthracene | µg/kg | 1000 | 1000 | 5600 | 11000 | 1000 | < 68.9 | < 69.5 |
| Benzo (a) pyrene | µg/kg | 1000 | 1000 | 1000 | 1100 | 1000 | < 68.9 | < 69.5 |
| Benzo (b) fluoranthene | µg/kg | 1000 | 1000 | 5600 | 11000 | 1000 | < 68.9 | < 69.5 |
| Benzo (g,h,i) perylene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 100000 | < 68.9 | < 69.5 |
| Benzo (k) fluoranthene | µg/kg | 1000 | 3900 | 56000 | 110000 | 800 | < 68.9 | < 69.5 |
| Benzoic acid | µg/kg | 100000 | NE | NE | NE | NE | < 341 | < 344 |
| Benzyl alcohol | µg/kg | NE | NE | NE | NE | NE | < 341 | < 344 |
| Bis(2-chloroethoxy)methane | µg/kg | NE | NE | NE | NE | NE | < 341 | < 344 |
| Bis(2-chloroethyl)ether | µg/kg | NE | NE | NE | NE | NE | < 173 | < 174 |
| Bis(2-chloroisopropyl)ether | µg/kg | NE | NE | NE | NE | NE | < 173 | < 174 |
| Bis(2-ethylhexyl)phthalate | µg/kg | 50000 | NE | NE | NE | NE | < 173 | < 174 |
| 4-Bromophenyl phenyl ether | µg/kg | NE | NE | NE | NE | NE | < 341 | < 344 |
| Butyl benzyl phthalate | µg/kg | 100000 | NE | NE | NE | NE | < 341 | < 344 |
| Carbazole | µg/kg | NE | NE | NE | NE | NE | < 173 | < 174 |
| 4-Chloro-3-methylphenol | µg/kg | NE | NE | NE | NE | NE | < 341 | < 344 |
| 4-Chloroaniline | µg/kg | 100000 | NE | NE | NE | NE | < 173 | < 174 |
| 2-Chloronaphthalene | µg/kg | NE | NE | NE | NE | NE | < 341 | < 344 |
| 2-Chlorophenol | µg/kg | 100000 | NE | NE | NE | NE | < 173 | < 174 |
| 4-Chlorophenyl phenyl ether | µg/kg | NE | NE | NE | NE | NE | < 341 | < 344 |
| Chrysene | µg/kg | 1000 | 3900 | 56000 | 110000 | 1000 | < 68.9 | < 69.5 |
| Dibenzo (a,h) anthracene | µg/kg | 330 | 330 | 560 | 1100 | 330 | < 68.9 | < 69.5 |
| Dibenzofuran | µg/kg | 14000 | 59000 | 350000 | 1000000 | 7000 | < 173 | < 174 |
| 1,2-Dichlorobenzene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 1100 | < 341 | < 344 |
| 1,3-Dichlorobenzene | µg/kg | 17000 | 49000 | 280000 | 560000 | 2400 | < 341 | < 344 |
| 1,4-Dichlorobenzene | µg/kg | 9800 | 13000 | 130000 | 250000 | 1800 | < 341 | < 344 |
| 3,3´-Dichlorobenzidine | µg/kg | NE | NE | NE | NE | NE | < 341 | < 344 |
| 2,4-Dichlorophenol | µg/kg | 100000 | NE | NE | NE | NE | < 173 | < 174 |
| Diethyl phthalate | µg/kg | 100000 | NE | NE | NE | NE | < 341 | < 344 |
| Dimethyl phthalate | µg/kg | 100000 | NE | NE | NE | NE | < 341 | < 344 |
| 2,4-Dimethylphenol | µg/kg | NE | NE | NE | NE | NE | < 341 | < 344 |
| Di-n-butyl phthalate | µg/kg | 100000 | NE | NE | NE | NE | < 341 | < 344 |
| 4,6-Dinitro-2-methylphenol | µg/kg | NE | NE | NE | NE | NE | < 341 | < 344 |
| 2,4-Dinitrophenol | µg/kg | 100000 | NE | NE | NE | NE | < 341 | < 344 |
| 2,4-Dinitrotoluene | µg/kg | NE | NE | NE | NE | NE | < 173 | < 174 |
| 2,6-Dinitrotoluene | µg/kg | 1030 | NE | NE | NE | NE | < 173 | < 174 |
| **Semi-Volatile Organic Compounds (SW846 8270D/8270E)** | | | | | | | | |
| Di-n-octyl phthalate | µg/kg | 100000 | NE | NE | NE | NE | < 343 | < 344 |
| Fluoranthene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 100000 | < 68.9 | < 69.5 |
| Fluorene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 30000 | < 68.9 | < 69.5 |
| Hexachlorobenzene | µg/kg | 330/410 | 1200 | 6000 | 12000 | 330 | < 173 | < 174 |
| Hexachlorobutadiene | µg/kg | NE | NE | NE | NE | NE | < 173 | < 174 |
| Hexachlorocyclopentadiene | µg/kg | NE | NE | NE | NE | NE | < 173 | < 174 |
| Hexachloroethane | µg/kg | NE | NE | NE | NE | NE | < 173 | < 174 |
| Indeno (1,2,3-cd) pyrene | µg/kg | 500 | 500 | 5600 | 11000 | 500 | < 68.9 | < 69.5 |
| Isophorone | µg/kg | 100000 | NE | NE | NE | NE | < 173 | < 174 |
| 2-Methylnaphthalene | µg/kg | 410 | NE | NE | NE | NE | < 68.9 | < 69.5 |
| 2-Methylphenol (o-Cresol) | µg/kg | 100000 | 100000 | 500000 | 1000000 | 330 | < 341 | < 344 |

**Table 7-Composite Sample Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | SC60421-14 | SC60421-13 |
|---|---|---|---|---|---|---|---|---|
| **PARAMETERS** | | | | | | | **COMP-17** | **COMP-18** |
| **Matrix:** | | | | | | | **Composite Soil** | **Composite Soil** |
| **Sample Location:** | | **Residential** | **Restricted Residential** | **Commercial** | **Industrial** | **Unrestricted** | **SB-17A/SB-17B** | **SB-18A/SB-18B** |
| **Sample Depth:** | | | | | | | **0-5 ft** | **0-12 ft** |
| **Sample Date:** | | | | | | | **1/11/2021** | **1/11/2021** |
| 3 & 4-Methylphenol | µg/kg | NE | NE | NE | NE | NE | < 341 | < 344 |
| Naphthalene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 12000 | < 68.9 | < 69.5 |
| 2-Nitroaniline | µg/kg | NE | NE | NE | NE | NE | < 341 | < 344 |
| 3-Nitroaniline | µg/kg | NE | NE | NE | NE | NE | < 341 | < 344 |
| 4-Nitroaniline | µg/kg | NE | NE | NE | NE | NE | < 173 | < 174 |
| Nitrobenzene | µg/kg | 3700 | 15000 | 69000 | 140000 | NE | < 173 | < 174 |
| 2-Nitrophenol | µg/kg | NE | NE | NE | NE | NE | < 173 | < 174 |
| 4-Nitrophenol | µg/kg | NE | NE | NE | NE | NE | < 341 | < 344 |
| N-Nitrosodimethylamine | µg/kg | NE | NE | NE | NE | NE | < 173 | < 174 |
| N-Nitrosodi-n-propylamine | µg/kg | NE | NE | NE | NE | NE | < 173 | < 174 |
| N-Nitrosodiphenylamine | µg/kg | NE | NE | NE | NE | NE | < 341 | < 344 |
| Pentachlorophenol | µg/kg | 2400 | 6700 | 6700 | 55000 | 800 | < 341 | < 344 |
| Phenanthrene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 100000 | < 68.9 | < 69.5 |
| Phenol | µg/kg | 100000 | 100000 | 500000 | 1000000 | 330 | < 341 | < 344 |
| Pyrene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 100000 | < 68.9 | < 69.5 |
| Pyridine | µg/kg | NE | NE | NE | NE | NE | < 341 | < 344 |
| 1,2,4-Trichlorobenzene | µg/kg | NE | NE | NE | NE | NE | < 341 | < 344 |
| 1-Methylnaphthalene | µg/kg | NE | NE | NE | NE | NE | < 68.9 | < 69.5 |
| 2,4,5-Trichlorophenol | µg/kg | 100000 | NE | NE | NE | NE | < 341 | < 344 |
| 2,4,6-Trichlorophenol | µg/kg | NE | NE | NE | NE | NE | < 173 | < 174 |
| Pentachloronitrobenzene | µg/kg | NE | NE | NE | NE | NE | < 341 | < 344 |
| 1,2,4,5-Tetrachlorobenzene | µg/kg | NE | NE | NE | NE | NE | < 341 | < 344 |
| **Classical Chemistry** | | | | | | | | |
| Total Cyanide | mg/kg | 27 | 27 | 27 | 10000 | 27 | < 0.25 | **0.0017 J** |
| Reactive Cyanide | mg/kg | NE | NE | NE | NE | NE | < 25.0 | < 25.0 |
| Reactive Sulfide | mg/kg | NE | NE | NE | NE | NE | < 20.0 | < 20.0 |
| Corrosivity | SU | NE | NE | NE | NE | NE | **7.4** | **7.1** |
| Free Liquid | N/A | NE | NE | NE | NE | NE | **Negative** | **Negative** |
| Oxidation Reduction Potential | mV | NE | NE | NE | NE | NE | **451** | **460** |
| Ignitability by Definition | N/A | NE | NE | NE | NE | NE | **Negative** | **Negative** |

Notes
1. "<" indicates the parameter is not detected.
2."NE" indicates a standard for the parameter is not established.
3. "NT" indicates that the parameter was not tested for.
4. Bold values indicate the constituent was detected above the laboratory reporting limit. Yellow highlight indicates an exceedance of NYDEC's CP-51 Residential Use Cleanup Ob
5. PCB criteria apply to total PCBs.
6. "BD" indicates the soil sample is a blind duplicate sample.
7. "J" indicates the result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

**Table 8-PFAS Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | NYDEC 6 NYCRR Part 375 PFAS Guidance Values | NYDEC 6 NYCRR Part 375 PFAS Guidance Values | NYDEC 6 NYCRR Part 375 PFAS Guidance Values | NYDEC 6 NYCRR Part 375 PFAS Guidance Values | NYDEC 6 NYCRR Part 375 PFAS Guidance Values | NYDEC 6 NYCRR Part 375 PFAS Guidance Values | SC60397-01 | SC60397-07 | SC60397-03 | SC60406-04 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | | | | | | | | SB-1A | | SB-2B-2 | SB-3A |
| Matrix: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | Protection of Groundwater | Grab Soil | Grab Soil -BD | Grab Soil | Grab Soil |
| Sample Location: | | | | | | | | SB-1A | SB-1A | SB-2B-2 | SB-3A |
| Sample Depth: | | | | | | | | 3 ft | 3 ft | 9 ft | 3 ft |
| Sample Date: | | | | | | | | 1/6/2021 | 1/6/2021 | 1/6/2021 | 1/7/2021 |
| **PFAS (EPA PFC_IDA)** | | | | | | | | | | | |
| 1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2) | µg/kg | NE | NE | NE | NE | NE | NE | < 2.49 | < 2.05 | < 2.01 | < 2.40 |
| 1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2) | µg/kg | NE | NE | NE | NE | NE | NE | < 2.49 | < 2.05 | < 2.01 | < 2.40 |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtF | µg/kg | NE | NE | NE | NE | NE | NE | < 2.49 | < 2.05 | < 2.01 | < 2.40 |
| N-methylperfluorooctanesulfonamidoacetic acid (NMe | µg/kg | NE | NE | NE | NE | NE | NE | < 2.49 | < 2.05 | < 2.01 | < 2.40 |
| Perfluorobutanesulfonic acid (PFBS) | µg/kg | NE | NE | NE | NE | NE | NE | < 0.25 | < 0.21 | < 0.20 | < 0.24 |
| Perfluorobutanoic acid (PFBA) | µg/kg | NE | NE | NE | NE | NE | NE | < 0.62 | < 0.51 | < 0.50 | < 0.60 |
| Perfluorodecanesulfonic acid (PFDS) | µg/kg | NE | NE | NE | NE | NE | NE | < 0.25 | < 0.21 | < 0.20 | < 0.24 |
| Perfluorodecanoic acid (PFDA) | µg/kg | NE | NE | NE | NE | NE | NE | < 0.25 | < 0.21 | < 0.20 | < 0.24 |
| Perfluorododecanoic acid (PFDoA) | µg/kg | NE | NE | NE | NE | NE | NE | < 0.25 | < 0.21 | < 0.20 | < 0.24 |
| Perfluoroheptanesulfonic Acid (PFHpS) | µg/kg | NE | NE | NE | NE | NE | NE | < 0.25 | < 0.21 | < 0.20 | < 0.24 |
| Perfluoroheptanoic acid (PFHpA) | µg/kg | NE | NE | NE | NE | NE | NE | < 0.25 | < 0.21 | < 0.20 | < 0.24 |
| Perfluorohexanesulfonic acid (PFHxS) | µg/kg | NE | NE | NE | NE | NE | NE | < 0.25 | < 0.21 | < 0.20 | < 0.24 |
| Perfluorohexanoic acid (PFHxA) | µg/kg | NE | NE | NE | NE | NE | NE | < 0.25 | < 0.21 | < 0.20 | < 0.24 |
| Perfluorononanoic acid (PFNA) | µg/kg | NE | NE | NE | NE | NE | NE | < 0.25 | < 0.21 | < 0.20 | < 0.24 |
| Perfluorooctanesulfonamide (PFOSA) | µg/kg | NE | NE | NE | NE | NE | NE | < 0.25 | < 0.21 | < 0.20 | < 0.24 |
| Perfluorooctanesulfonic acid (PFOS) | µg/kg | 8.8 | 44 | 440 | 440 | 0.88 | 3.7 | < 0.25 | < 0.21 | < 0.20 | < 0.24 |
| Perfluorooctanoic acid (PFOA) | µg/kg | 6.6 | 33 | 500 | 600 | 0.66 | 1.1 | < 0.25 | < 0.21 | < 0.20 | < 0.24 |
| Perfluoropentanoic acid (PFPeA) | µg/kg | NE | NE | NE | NE | NE | NE | < 0.25 | < 0.21 | < 0.20 | **0.022 J** |
| Perfluorotetradecanoic acid (PFTeA) | µg/kg | NE | NE | NE | NE | NE | NE | < 0.25 | < 0.21 | < 0.20 | < 0.24 |
| Perfluorotridecanoic acid (PFTriA) | µg/kg | NE | NE | NE | NE | NE | NE | < 0.25 | < 0.21 | < 0.20 | < 0.24 |
| Perfluoroundecanoic acid (PFUnA) | µg/kg | NE | NE | NE | NE | NE | NE | < 0.25 | < 0.21 | < 0.20 | < 0.24 |

Notes
1. "<" indicates the parameter is not detected.
2. Bold values indicate the consituent was detected above the laboratory reporting limit.
3. "J" indicates the result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
4. "BD" indicates the soil sample is a blind duplicate sample.
5. "NE" indicates a standard for the parameter is not established.
6. "B" indicates the compound was detected in the method blank.

**Table 8-PFAS Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | NYDEC 6 NYCRR Part 375 PFAS Guidance Values | NYDEC 6 NYCRR Part 375 PFAS Guidance Values | NYDEC 6 NYCRR Part 375 PFAS Guidance Values | NYDEC 6 NYCRR Part 375 PFAS Guidance Values | NYDEC 6 NYCRR Part 375 PFAS Guidance Values | SC60406-07 | SC60406-08 | SC60404-08 | SC60404-12 | SC6413-06 | SC60444-04 | SC6413-09 | SC60421-08 | SC60421-15 | SC60421-05 | SC60421-04 | SC60421-14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | | | | | | | SB-4A | | SB-5B | SB-6B | SB-8A | SB-12A-1 | SB-12B-1 | SB-16A | COMP-16 | SB-17A | SB-17B | COMP-17 |
| Matrix: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | Grab Soil | Grab Soil - BD | Grab Soil | Grab Soil | Grab Soil | Grab Soil | Grab Soil | Grab Soil | Composite Soil | Grab Soil | Grab Soil | Composite Soil |
| Sample Location: | | | | | | | SB-4A | SB-4A | SB-5B | SB-6B | SB-8A | SB-12A-1 | SB-12B-1 | SB-16A | SB-16A/SB-16B | SB-17A | SB-17B | SB-17A/SB-17B |
| Sample Depth: | | | | | | | 5 ft | 5 ft | 4 ft | 3 ft | 3 ft | 3 ft | 3 ft | 3 ft | 0-5 ft | 3 ft | 3 ft | 0-5 ft |
| Sample Date: | | | | | | | 1/7/2021 | 1/7/2021 | 1/7/2021 | 1/7/2021 | 1/8/2021 | 1/12/2021 | 1/8/2021 | 1/11/2021 | 1/11/2021 | 1/11/2021 | 1/11/2021 | 1/11/2021 |
| **PFAS (EPA PFC_IDA)** | | | | | | | | | | | | | | | | | | |
| 1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2) | µg/kg | NE | NE | NE | NE | NE | < 2.31 | < 2.20 | < 1.98 | < 2.26 | < 2.25 | < 2.06 | < 2.08 | < 2.02 | < 2.05 | < 2.07 | < 2.01 | < 2.08 |
| 1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2) | µg/kg | NE | NE | NE | NE | NE | < 2.31 | **0.028 J** | < 1.98 | **0.13 J** | < 2.25 | < 2.06 | < 2.08 | < 2.02 | < 2.05 | < 2.07 | < 2.01 | < 2.08 |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtF | µg/kg | NE | NE | NE | NE | NE | < 2.31 | < 2.20 | < 1.98 | < 2.26 | < 2.25 | < 2.06 | < 2.08 | < 2.02 | < 2.05 | < 2.07 | < 2.01 | < 2.08 |
| N-methylperfluorooctanesulfonamidoacetic acid (NMe | µg/kg | NE | NE | NE | NE | NE | < 2.31 | < 2.20 | < 1.98 | < 2.26 | < 2.25 | < 2.06 | < 2.08 | < 2.02 | < 2.05 | < 2.07 | < 2.01 | < 2.08 |
| Perfluorobutanesulfonic acid (PFBS) | µg/kg | NE | NE | NE | NE | NE | < 0.23 | > 0.22 | < 0.20 | **0.0099 J** | < 0.23 | < 0.21 | < 0.21 | < 0.20 | < 0.20 | < 0.21 | < 0.20 | < 0.21 |
| Perfluorobutanoic acid (PFBA) | µg/kg | NE | NE | NE | NE | NE | < 0.58 | < 0.55 | < 0.50 | < 0.56 | < 0.56 | < 0.52 | < 0.52 | < 0.51 | < 0.51 | < 0.52 | < 0.50 | < 0.52 |
| Perfluorodecanesulfonic acid (PFDS) | µg/kg | NE | NE | NE | NE | NE | < 0.23 | < 0.22 | < 0.20 | < 0.23 | < 0.23 | < 0.21 | < 0.21 | < 0.20 | < 0.20 | < 0.21 | < 0.20 | < 0.21 |
| Perfluorodecanoic acid (PFDA) | µg/kg | NE | NE | NE | NE | NE | < 0.23 | < 0.22 | < 0.20 | < 0.23 | < 0.23 | < 0.21 | < 0.21 | < 0.20 | < 0.20 | < 0.21 | **0.030 J** | < 0.21 |
| Perfluorododecanoic acid (PFDoA) | µg/kg | NE | NE | NE | NE | NE | < 0.23 | < 0.22 | < 0.20 | < 0.23 | < 0.23 | < 0.21 | < 0.21 | < 0.20 | < 0.20 | < 0.21 | < 0.20 | < 0.21 |
| Perfluoroheptanesulfonic Acid (PFHpS) | µg/kg | NE | NE | NE | NE | NE | < 0.23 | < 0.22 | < 0.20 | < 0.23 | < 0.23 | < 0.21 | < 0.21 | < 0.20 | < 0.20 | < 0.21 | < 0.20 | < 0.21 |
| Perfluoroheptanoic acid (PFHpA) | µg/kg | NE | NE | NE | NE | NE | < 0.23 | < 0.22 | < 0.20 | < 0.23 | < 0.23 | **0.050 J** | < 0.21 | < 0.20 | < 0.20 | **0.024 J** | < 0.20 | < 0.21 |
| Perfluorohexanesulfonic acid (PFHxS) | µg/kg | NE | NE | NE | NE | NE | < 0.23 | < 0.22 | < 0.20 | **0.018 J** | **0.030 J** | **0.12 J** | **0.016 J** | < 0.20 | < 0.20 | **0.021 J** | < 0.20 | < 0.21 |
| Perfluorohexanoic acid (PFHxA) | µg/kg | NE | NE | NE | NE | NE | < 0.23 | < 0.22 | < 0.20 | < 0.23 | < 0.23 | **0.051 J** | < 0.21 | < 0.20 | < 0.20 | < 0.21 | < 0.20 | < 0.21 |
| Perfluorononanoic acid (PFNA) | µg/kg | NE | NE | NE | NE | NE | < 0.23 | < 0.22 | < 0.20 | < 0.23 | < 0.23 | < 0.21 | < 0.21 | < 0.20 | < 0.20 | < 0.21 | **0.029** | **0.025 J** |
| Perfluorooctanesulfonamide (PFOSA) | µg/kg | NE | NE | NE | NE | NE | < 0.23 | < 0.22 | < 0.20 | < 0.23 | < 0.23 | < 0.21 | < 0.21 | < 0.20 | < 0.20 | < 0.21 | < 0.20 | < 0.21 |
| Perfluorooctanesulfonic acid (PFOS) | µg/kg | 8.8 | 44 | 440 | 440 | 0.88 | < 0.23 | < 0.22 | < 0.20 | < 0.23 | < 0.23 | **0.31** | < 0.21 | < 0.20 | < 0.20 | < 0.21 | < 0.20 | **0.074 J** |
| Perfluorooctanoic acid (PFOA) | µg/kg | 6.6 | 33 | 500 | 600 | 0.66 | **0.025 J, B** | **0.039 J, B** | **0.015 J, B** | **0.034 J, B** | **0.063 J** | **0.19 J** | **0.018 J** | < 0.20 | **0.021 J** | **0.032 J** | **0.033 J** | **0.032 J** |
| Perfluoropentanoic acid (PFPeA) | µg/kg | NE | NE | NE | NE | NE | **0.029 J** | **0.021 J** | **0.019 J** | **0.042 J** | < 0.23 | **0.039 J** | **0.024 J** | < 0.20 | < 0.20 | < 0.21 | **0.019 J** | < 0.21 |
| Perfluorotetradecanoic acid (PFTeA) | µg/kg | NE | NE | NE | NE | NE | < 0.23 | < 0.23 | < 0.20 | < 0.23 | < 0.23 | < 0.21 | < 0.21 | < 0.20 | < 0.20 | < 0.21 | < 0.20 | < 0.21 |
| Perfluorotridecanoic acid (PFTriA) | µg/kg | NE | NE | NE | NE | NE | < 0.23 | < 0.23 | < 0.20 | < 0.23 | < 0.23 | < 0.21 | < 0.21 | < 0.20 | < 0.20 | < 0.21 | < 0.20 | < 0.21 |
| Perfluoroundecanoic acid (PFUnA) | µg/kg | NE | NE | NE | NE | NE | < 0.23 | < 0.23 | < 0.20 | < 0.23 | < 0.23 | < 0.21 | < 0.21 | < 0.20 | < 0.20 | < 0.21 | < 0.20 | < 0.21 |

Notes
1. "<" indicates the parameter is not detected.
2. Bold values indicate the consituent was detected above the laboratory reporting limit.
3. "J" indicates the result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
4. "BD" indicates the soil sample is a blind duplicate sample.
5. "NE" indicates a standard for the parameter is not established.
6. "B" indicates the compound was detected in the method blank.

**Table 9-QA/QC Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | SC60396-10 | SC60404-15 | SC60413-14 | SC60397-08 | SC60397-09 | SC60406-12 | SC60406-13 | SC60404-10 | SC60404-11 | SC60413-11 | SC60413-12 | SC60421-11 | SC60421-12 | SC60444-08 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | | Trip Blank | Trip Blank | Trip Blank | EB010621A (from Hand Auger) | EB010621B (from Stainless Steel Bowl) | EB010721A (from Hand Auger) | EB010721B (from Stainless Steel Bowl) | EB010721C (from Hand Auger) | EB010721D (from Stainless Steel Bowl) | EB010821A (from Hand Auger) | EB010821B (from Stainless Steel Bowl) | EB011121A (from Hand Auger) | EB011121B (from Stainless Steel Bowl) | EB011221B (from Stainless Steel Bowl) |
| Matrix: | | Trip Blank | Trip Blank | Trip Blank | PFAS Free Water | PFAS Free Water | PFAS Free Water | PFAS Free Water | PFAS Free Water | PFAS Free Water | PFAS Free Water | PFAS Free Water | PFAS Free Water | PFAS Free Water | PFAS Free Water |
| Sample Date: | | 1/6/2021 | 1/7/2021 | 1/8/2021 | 1/6/2021 | 1/6/2021 | 1/7/2021 | 1/7/2021 | 1/7/2021 | 1/7/2021 | 1/8/2021 | 1/8/2021 | 1/11/2021 | 1/11/2021 | 1/12/2021 |
| **Volatile Organic Compounds (SW846 8260D)** | | | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | µg/L | < 1.0 | < 1.0 | < 5.00 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| 1,1,2,2-Tetrachloroethane | µg/L | < 1.0 | < 1.0 | < 5.00 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon) | µg/L | < 1.0 | < 1.0 | < 5.00 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| 1,1,2-Trichloroethane | µg/L | < 1.0 | < 1.0 | < 5.00 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| 1,1-Dichloroethane | µg/L | < 1.0 | < 1.0 | < 5.00 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| 1,1-Dichloroethene | µg/L | < 1.0 | < 1.0 | < 5.00 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| 1,2,3-Trichlorobenzene | µg/L | < 1.0 | < 1.0 | < 5.00 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| 1,2,4-Trichlorobenzene | µg/L | < 1.0 | < 1.0 | < 5.00 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| 1,2,4-Trimethylbenzene | µg/L | < 1.0 | < 1.0 | < 5.00 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| 1,2-Dibromo-3-Chloropropane | µg/L | < 1.0 | < 1.0 | < 10.0 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| 1,2-Dichlorobenzene | µg/L | < 1.0 | < 1.0 | < 5.00 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| 1,2-Dichloroethane | µg/L | < 1.0 | < 1.0 | < 5.00 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| 1,2-Dichloropropane | µg/L | < 1.0 | < 1.0 | < 5.00 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| 1,3,5-Trimethylbenzene | µg/L | < 1.0 | < 1.0 | < 5.00 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| 1,3-Dichlorobenzene | µg/L | < 1.0 | < 1.0 | < 5.00 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| 1,4-Dichlorobenzene | µg/L | < 1.0 | < 1.0 | < 5.00 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| 1,4-Dioxane | µg/L | < 20 | < 20 | < 100 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| 2-Butanone (MEK) | µg/L | < 5.0 | < 5.0 | < 10.0 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| 2-Hexanone | µg/L | < 5.0 | < 5.0 | < 10.0 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| 4-Isopropyltoluene | µg/L | < 1.0 | < 1.0 | < 5.00 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| 4-Methyl-2-pentanone (MIBK) | µg/L | < 5.0 | < 5.0 | < 10.0 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| Acetone | µg/L | < 6.0 | < 6.0 | < 50.0 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| Benzene | µg/L | < 1.0 | < 1.0 | < 5.00 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| Bromoform | µg/L | < 1.0 | < 1.0 | < 5.00 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| Bromomethane | µg/L | < 2.0 | < 2.0 | < 10.0 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| Carbon disulfide | µg/L | < 1.0 | < 1.0 | < 10.0 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| Carbon tetrachloride | µg/L | < 1.0 | < 1.0 | < 5.00 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| Chlorobenzene | µg/L | < 1.0 | < 1.0 | < 5.00 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| Chlorobromomethane | µg/L | < 1.0 | < 1.0 | < 5.00 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| Chlorodibromomethane | µg/L | < 1.0 | < 1.0 | < 5.00 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| Chloroethane | µg/L | < 1.0 | < 1.0 | < 10.0 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| Chloroform | µg/L | < 1.0 | < 1.0 | < 5.00 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| Chloromethane | µg/L | < 1.0 | < 1.0 | < 10.0 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| cis-1,2-Dichloroethene | µg/L | < 1.0 | < 1.0 | < 5.00 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| cis-1,3-Dichloropropene | µg/L | < 1.0 | < 1.0 | < 5.00 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| Cyclohexane | µg/L | < 1.0 | < 1.0 | < 25.0 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| Dichlorobromomethane | µg/L | < 1.0 | < 1.0 | < 5.00 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| Dichlorodifluoromethane | µg/L | < 1.0 | < 1.0 | < 5.00 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| Ethylbenzene | µg/L | < 1.0 | < 1.0 | < 5.00 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| Ethylene Dibromide (1,2-Dibromoethane, EDB) | µg/L | < 1.0 | < 1.0 | < 5.00 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| Isopropylbenzene | µg/L | < 1.0 | < 1.0 | < 5.00 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| Methyl acetate | µg/L | < 5.0 | < 5.0 | < 25.0 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| Methyl tert-butyl ether | µg/L | < 1.0 | < 1.0 | < 5.00 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| Methylcyclohexane | µg/L | < 1.0 | < 1.0 | < 25.0 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| Methylene Chloride | µg/L | < 2.0 | < 2.0 | < 10.0 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| m-Xylene & p-Xylene | µg/L | < 1.0 | < 1.0 | < 10.0 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| Naphthalene | µg/L | < 1.5 | < 1.5 | < 5.00 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| n-Butylbenzene | µg/L | < 1.0 | < 1.0 | < 10.0 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |

**Table 9-QA/QC Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | SC60396-10 | SC60404-15 | SC60413-14 | SC60397-08 | SC60397-09 | SC60406-12 | SC60406-13 | SC60404-10 | SC60404-11 | SC60413-11 | SC60413-12 | SC60421-11 | SC60421-12 | SC60444-08 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | | Trip Blank | Trip Blank | Trip Blank | EB010621A (from Hand Auger) | EB010621B (from Stainless Steel Bowl) | EB010721A (from Hand Auger) | EB010721B (from Stainless Steel Bowl) | EB010721C (from Hand Auger) | EB010721D (from Stainless Steel Bowl) | EB010821A (from Hand Auger) | EB010821B (from Stainless Steel Bowl) | EB011121A (from Hand Auger) | EB011121B (from Stainless Steel Bowl) | EB011221B (from Stainless Steel Bowl) |
| Matrix: | | Trip Blank | Trip Blank | Trip Blank | PFAS Free Water | PFAS Free Water | PFAS Free Water | PFAS Free Water | PFAS Free Water | PFAS Free Water | PFAS Free Water | PFAS Free Water | PFAS Free Water | PFAS Free Water | PFAS Free Water |
| Sample Date: | | 1/6/2021 | 1/7/2021 | 1/8/2021 | 1/6/2021 | 1/6/2021 | 1/7/2021 | 1/7/2021 | 1/7/2021 | 1/7/2021 | 1/8/2021 | 1/8/2021 | 1/11/2021 | 1/11/2021 | 1/12/2021 |
| **Volatile Organic Compounds (SW846 8260D)** | | | | | | | | | | | | | | | |
| N-Propylbenzene | µg/L | < 1.0 | < 1.0 | < 5.00 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| o-Xylene | µg/L | < 1.0 | < 1.0 | < 5.00 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| sec-Butylbenzene | µg/L | < 1.0 | < 1.0 | < 5.00 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| Styrene | µg/L | < 1.0 | < 1.0 | < 5.00 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| tert-Butylbenzene | µg/L | < 1.0 | < 1.0 | < 5.00 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| Tetrachloroethene | µg/L | < 1.0 | < 1.0 | < 5.00 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| Toluene | µg/L | < 1.0 | < 1.0 | < 5.00 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| trans-1,2-Dichloroethene | µg/L | < 1.0 | < 1.0 | < 5.00 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| trans-1,3-Dichloropropene | µg/L | < 1.0 | < 1.0 | < 5.00 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| Trichloroethene | µg/L | < 1.0 | < 1.0 | < 5.00 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| Trichlorofluoromethane | µg/L | < 1.0 | < 1.0 | < 5.00 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| Vinyl chloride | µg/L | < 1.0 | < 1.0 | < 5.00 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| Xylenes, Total | µg/L | < 2.0 | < 2.0 | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT | NT |
| **PFAS (EPA PFC_IDA)** | | | | | | | | | | | | | | | |
| 1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2) | ng/L | NT | NT | NT | < 1.75 | < 1.76 | < 1.76 | < 1.78 | < 1.84 | < 1.77 | < 1.83 | < 1.62 | < 1.80 | < 1.84 | < 1.70 |
| 1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2) | ng/L | NT | NT | NT | < 4.37 | < 4.39 | < 4.40 | < 4.44 | < 4.60 | < 4.43 | < 4.57 | < 4.05 | < 4.49 | < 4.61 | < 4.26 |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtF | ng/L | NT | NT | NT | < 4.37 | < 4.39 | < 4.40 | < 4.44 | < 4.60 | < 4.43 | < 4.57 | < 4.05 | < 4.49 | < 4.61 | < 4.26 |
| N-methylperfluorooctanesulfonamidoacetic acid (NMe | ng/L | NT | NT | NT | < 4.37 | < 4.39 | < 4.40 | < 4.44 | < 4.60 | < 4.43 | < 4.57 | < 4.05 | < 4.49 | < 4.61 | < 4.26 |
| Perfluorobutanesulfonic acid (PFBS) | ng/L | NT | NT | NT | < 1.75 | < 1.76 | < 1.76 | < 1.78 | < 1.84 | < 1.77 | < 1.83 | < 1.62 | < 1.80 | < 1.84 | < 1.70 |
| Perfluorobutanoic acid (PFBA) | ng/L | NT | NT | NT | < 4.37 | < 4.39 | < 4.40 | < 4.44 | < 4.60 | < 4.43 | < 4.57 | < 4.05 | < 4.49 | < 4.61 | < 4.26 |
| Perfluorodecanesulfonic acid (PFDS) | ng/L | NT | NT | NT | < 1.75 | < 1.76 | < 1.76 | < 1.78 | < 1.84 | < 1.77 | < 1.83 | < 1.62 | < 1.80 | < 1.84 | < 1.70 |
| Perfluorodecanoic acid (PFDA) | ng/L | NT | NT | NT | < 1.75 | < 1.76 | < 1.76 | < 1.78 | < 1.84 | < 1.77 | < 1.83 | < 1.62 | < 1.80 | < 1.84 | < 1.70 |
| Perfluorododecanoic acid (PFDoA) | ng/L | NT | NT | NT | < 1.75 | < 1.76 | < 1.76 | < 1.78 | < 1.84 | < 1.77 | < 1.83 | < 1.62 | < 1.80 | < 1.84 | < 1.70 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ng/L | NT | NT | NT | < 1.75 | < 1.76 | < 1.76 | < 1.78 | < 1.84 | < 1.77 | < 1.83 | < 1.62 | < 1.80 | < 1.84 | < 1.70 |
| Perfluoroheptanoic acid (PFHpA) | ng/L | NT | NT | NT | < 1.75 | < 1.76 | < 1.76 | < 1.78 | < 1.84 | < 1.77 | < 1.83 | < 1.62 | < 1.80 | < 1.84 | < 1.70 |
| Perfluorohexanesulfonic acid (PFHxS) | ng/L | NT | NT | NT | < 1.75 | < 1.76 | < 1.76 | < 1.78 | < 1.84 | < 1.77 | < 1.83 | < 1.62 | < 1.80 | < 1.84 | < 1.70 |
| Perfluorohexanoic acid (PFHxA) | ng/L | NT | NT | NT | < 1.75 | < 1.76 | < 1.76 | < 1.78 | < 1.84 | < 1.77 | < 1.83 | < 1.62 | < 1.80 | < 1.84 | < 1.70 |
| Perfluorononanoic acid (PFNA) | ng/L | NT | NT | NT | < 1.75 | < 1.76 | < 1.76 | < 1.78 | < 1.84 | < 1.77 | < 1.83 | < 1.62 | < 1.80 | < 1.84 | < 1.70 |
| Perfluorooctanesulfonamide (PFOSA) | ng/L | NT | NT | NT | < 1.75 | < 1.76 | < 1.76 | < 1.78 | < 1.84 | < 1.77 | < 1.83 | < 1.62 | < 1.80 | < 1.84 | < 1.70 |
| Perfluorooctanesulfonic acid (PFOS) | ng/L | NT | NT | NT | < 1.75 | < 1.76 | < 1.76 | < 1.78 | < 1.84 | < 1.77 | < 1.83 | < 1.62 | < 1.80 | < 1.84 | < 1.70 |
| Perfluorooctanoic acid (PFOA) | ng/L | NT | NT | NT | < 1.75 | < 1.76 | < 1.76 | < 1.78 | < 1.84 | < 1.77 | < 1.83 | < 1.62 | < 1.80 | < 1.84 | < 1.70 |
| Perfluoropentanoic acid (PFPeA) | ng/L | NT | NT | NT | < 1.75 | < 1.76 | < 1.76 | < 1.78 | < 1.84 | < 1.77 | < 1.83 | < 1.62 | < 1.80 | < 1.84 | < 1.70 |
| Perfluorotetradecanoic acid (PFTeA) | ng/L | NT | NT | NT | < 1.75 | < 1.76 | < 1.76 | < 1.78 | < 1.84 | < 1.77 | < 1.83 | < 1.62 | < 1.80 | < 1.84 | < 1.70 |
| Perfluorotridecanoic acid (PFTriA) | ng/L | NT | NT | NT | < 1.75 | < 1.76 | < 1.76 | < 1.78 | < 1.84 | < 1.77 | < 1.83 | < 1.62 | < 1.80 | < 1.84 | < 1.70 |
| Perfluoroundecanoic acid (PFUnA) | ng/L | NT | NT | NT | < 1.75 | < 1.76 | < 1.76 | < 1.78 | < 1.84 | < 1.77 | < 1.83 | < 1.62 | < 1.80 | < 1.84 | < 1.70 |

Notes
1. "<" indicates the parameter is not detected.
2. "NT" indicates that the parameter was not tested for.

**Table 10-Groundwater Sample Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | NY Ambient Water Quality Standards and Guidance Values | SC60475-02 | SC60445-01 | SC60475-04 | SC60496-04 | SC60496-03 | SC60475-03 | SC60466-04 | SC60466-03 |
|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | | | BH-01 | BH-02 | BH-03 | BH-04 | BH-05 | HDD-02 | MW-1B | MW-2A |
| Matrix: | | | Ground Water | Ground Water | Ground Water | Ground Water | Ground Water | Ground Water | Ground Water | Ground Water |
| Well Screen Depth: | | GA | 10-30 ft bgs | 20-30 ft bgs | 10-30 ft bgs | 25-35 ft bgs | 25-35 ft bgs | 10-30 ft bgs | 5-15 ft bgs | 5-20 ft bgs |
| Sample Date: | | | 1/15/2021 | 1/13/2021 | 1/15/2021 | 1/19/2021 | 1/19/2021 | 1/15/2021 | 1/14/2021 | 1/14/2021 |
| **Per- and Polyfluoroalkyl Substances (EPA PFC_IDA)** | | | | | | | | | | |
| 1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2) | ng/L | 100 | < 1.75 | < 1.82 | < 1.69 | < 1.71 | < 1.71 | < 1.76 | < 1.79 | < 1.76 |
| 1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2) | ng/L | 100 | < 4.36 | < 4.55 | < 4.23 | < 4.29 | < 4.28 | **20.0** | < 4.47 | **0.92 J** |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtF) | ng/L | 100 | < 4.36 | < 4.55 | < 4.23 | < 4.29 | < 4.28 | < 4.41 | < 4.47 | < 4.40 |
| N-methylperfluorooctanesulfonamidoacetic acid (Nme) | ng/L | 100 | < 4.36 | < 4.55 | < 4.23 | < 4.29 | < 4.28 | < 4.41 | < 4.47 | < 4.40 |
| Perfluorobutanesulfonic acid (PFBS) | ng/L | 100 | **1.75** | **1.05 J** | **1.75** | **1.52 J** | < 1.71 | **0.65 J** | **1.83** | **1.32 J** |
| Perfluorobutanoic acid (PFBA) | ng/L | 100 | **3.49 J** | **1.63 J** | **7.65** | **6.35** | < 4.28 | **1.40 J** | **1.36 J** | **1.06 J** |
| Perfluorodecanesulfonic acid (PFDS) | ng/L | 100 | < 1.75 | < 1.82 | < 1.69 | < 1.71 | < 1.71 | < 1.76 | < 1.79 | < 1.76 |
| Perfluorodecanoic acid (PFDA) | ng/L | 100 | < 1.75 | < 1.82 | < 1.69 | < 1.71 | < 1.71 | < 1.76 | < 1.79 | < 1.76 |
| Perfluorododecanoic acid (PFDoA) | ng/L | 100 | < 1.75 | < 1.82 | < 1.69 | < 1.71 | < 1.71 | < 1.76 | < 1.79 | < 1.76 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ng/L | 100 | < 1.75 | < 1.82 | < 1.69 | < 1.71 | < 1.71 | < 1.76 | < 1.79 | < 1.76 |
| Perfluoroheptanoic acid (PFHpA) | ng/L | 100 | **1.54 J** | **0.76 J** | **1.95** | **1.31 J** | < 1.71 | **1.42 J** | **0.48 J** | < 1.76 |
| Perfluorohexanesulfonic acid (PFHxS) | ng/L | 100 | **1.40 J** | **0.77 J** | **4.20** | **1.04 J** | < 1.71 | **1.14 J** | **1.95** | < 1.76 |
| Perfluorohexanoic acid (PFHxA) | ng/L | 100 | **1.72 J** | **2.09** | **3.98** | **23.4** | < 1.71 | **2.92** | < 1.79 | **1.68 J** |
| Perfluorononanoic acid (PFNA) | ng/L | 100 | < 1.75 | **0.69 J** | < 1.69 | < 1.71 | < 1.71 | < 1.76 | < 1.79 | < 1.76 |
| Perfluorooctanesulfonamide (PFOSA) | ng/L | 100 | < 1.75 | < 1.82 | < 1.69 | < 1.71 | < 1.71 | < 1.76 | < 1.79 | < 1.76 |
| Perfluorooctanesulfonic acid (PFOS) | ng/L | 10 | **1.34 J** | < 1.82 | **1.06 J** | **1.31 J** | < 1.71 | **4.22** | **1.72 J** | < 1.76 |
| Perfluorooctanoic acid (PFOA) | ng/L | 10 | **4.89** | **1.35 J** | **4.17** | **1.19 J** | < 1.71 | **3.91** | **1.20 J** | **2.39** |
| Perfluoropentanoic acid (PFPeA) | ng/L | 100 | **1.16 J** | **1.61 J** | **2.85** | **21.4** | < 1.71 | < 1.76 | < 1.79 | **1.77** |
| Perfluorotetradecanoic acid (PFTeA) | ng/L | 100 | < 1.75 | < 1.82 | < 1.69 | < 1.71 | < 1.71 | < 1.76 | < 1.79 | < 1.76 |
| Perfluorotridecanoic acid (PFTriA) | ng/L | 100 | < 1.75 | < 1.82 | < 1.69 | < 1.71 | < 1.71 | < 1.76 | < 1.79 | < 1.76 |
| Perfluoroundecanoic acid (PFUnA) | ng/L | 100 | < 1.75 | < 1.82 | < 1.69 | < 1.71 | < 1.71 | < 1.76 | < 1.79 | < 1.76 |
| PFOS and PFOA | ng/L | 70 [8] | **6.23** | **1.35** | **5.23** | **2.5** | 0 | **8.13** | **2.92** | **2.39** |
| Total PFAS | ng/L | 500 | **16.13** | **9.95** | **27.61** | **57.52** | 0 | **35.66** | **7.64** | **9.14** |
| **Metals (SW846 6010C/7196A,EPA 245.1/7470A)** | | | | | | | | | | |
| Silver | mg/L | 0.05 | < 0.0100 | < 0.0200 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 |
| Aluminum | mg/L | NE | **0.559** | **0.419** | **0.113** | **0.0588** | **0.264** | **0.494** | < 10.0 | < 10.0 |
| Arsenic | mg/L | 0.025 | < 0.00800 | < 0.00800 | < 0.00800 | < 0.00800 | < 0.00800 | < 0.00800 | < 0.00800 | < 0.00800 |
| Barium | mg/L | 1 | **0.0144** | **0.0428** | **0.165** | **0.0645** | **0.114** | **0.173** | **0.0211** | **0.0219** |
| Beryllium | mg/L | 0.003 | < 0.0040 | < 0.0040 | < 0.0040 | < 0.0040 | < 0.0040 | < 0.0040 | < 0.0040 | < 0.0040 |
| Calcium | mg/L | NE | **8.55** | **10.3** | **46.2** | **14.2** | **3.57** | **31.8** | **21.8** | **16.4** |
| Cobalt | mg/L | NE | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 |
| Cadmium | mg/L | 0.005 | < 0.0050 | < 0.0100 | < 0.0050 | < 0.0100 | < 0.0100 | < 0.0050 | < 0.0100 | < 0.0100 |
| Chromium | mg/L | 0.05 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 |
| Copper | mg/L | 0.2 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 |
| Iron | mg/L | 0.3 | **3.39** | **1.62** | **2.13** | **0.207** | **0.788** | **0.92** | **1.23** | **0.546** |
| Potassium | mg/L | NE | **1.53** | **1.98** | **3.79** | **3.60** | **2.67** | **1.43** | **1.93** | **1.56** |
| Magnesium | mg/L | 35 | **3.95** | **3.68** | **5.76** | **2.68** | **2.40** | **3.00** | **6.98** | **6.37** |
| Manganese | mg/L | 0.3 | **0.105** | **0.0718** | **0.190** | **0.045** | **0.19** | **0.103** | **0.0456** | **0.0424** |
| Sodium | mg/L | 20 | **11.7** | **41.2** | **21.60** | **76.2** | **10.0** | **13.40** | **24.2** | **21.4** |
| Nickel | mg/L | 0.1 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 |
| Lead | mg/L | 0.025 | < 0.0150 | < 0.0300 | < 0.0150 | < 0.0150 | < 0.0150 | < 0.0150 | < 0.0150 | < 0.0150 |
| Antimony | mg/L | 0.003 | < 0.0120 | < 0.0170 | < 0.0120 | < 0.0120 | < 0.0120 | < 0.0120 | < 0.0170 | < 0.0170 |
| Selenium | mg/L | 0.01 | < 0.0300 | < 0.0300 | < 0.0300 | < 0.0300 | < 0.0300 | < 0.0300 | < 0.0500 | < 0.0500 |
| Thallium | mg/L | 0.0005 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 |
| Vanadium | mg/L | NE | < 0.0100 | < 0.0500 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0420 | < 0.0420 |
| Zinc | mg/L | 2 | < 0.0200 | **0.0218** | < 0.0200 | < 0.0200 | < 0.0200 | < 0.0200 | < 0.0200 | < 0.0200 |
| Cr (VI) | µg/L | 50 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 |
| Mercury | mg/L | 0.0007 | < 0.00050 | < 0.00020 | < 0.00050 | < 0.00050 | < 0.00050 | < 0.00050 | < 0.00020 | < 0.00020 |

**Table 10-Groundwater Sample Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | NY Ambient Water Quality Standards and Guidance Values | SC60475-02 | SC60445-01 | SC60475-04 | SC60496-04 | SC60496-03 | SC60475-03 | SC60466-04 | SC60466-03 |
|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | | | BH-01 | BH-02 | BH-03 | BH-04 | BH-05 | HDD-02 | MW-1B | MW-2A |
| Matrix: | | GA | Ground Water | Ground Water | Ground Water | Ground Water | Ground Water | Ground Water | Ground Water | Ground Water |
| Well Screen Depth: | | | 10-30 ft bgs | 20-30 ft bgs | 10-30 ft bgs | 25-35 ft bgs | 25-35 ft bgs | 10-30 ft bgs | 5-15 ft bgs | 5-20 ft bgs |
| Sample Date: | | | 1/15/2021 | 1/13/2021 | 1/15/2021 | 1/19/2021 | 1/19/2021 | 1/15/2021 | 1/14/2021 | 1/14/2021 |
| **Pesticides (SW846 8081B)** | | | | | | | | | | |
| alpha-BHC | µg/L | NE | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 |
| beta-BHC | µg/L | NE | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 |
| delta-BHC | µg/L | NE | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 |
| gamma-BHC (Lindane) | µg/L | NE | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 |
| Heptachlor | µg/L | 0.04 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 |
| Aldrin | µg/L | ND | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 |
| Heptachlor epoxide | µg/L | 0.03 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 |
| Endosulfan I | µg/L | NE | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 |
| Dieldrin | µg/L | 0.004 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 |
| 4,4'-DDE (p,p') | µg/L | 0.2 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 |
| Endrin | µg/L | ND | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 |
| Endosulfan II | µg/L | NE | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 |
| 4,4'-DDD (p,p') | µg/L | 0.3 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 |
| Endosulfan sulfate | µg/L | NE | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 |
| 4,4'-DDT (p,p') | µg/L | 0.2 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 |
| Methoxychlor | µg/L | 35 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 |
| Endrin ketone | µg/L | 5 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 |
| Endrin aldehyde | µg/L | 5 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 |
| alpha-Chlordane | µg/L | NE | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 |
| gamma-Chlordane | µg/L | NE | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 |
| Toxaphene | µg/L | 0.06 | < 0.526 | < 0.526 | < 0.526 | < 0.526 | < 0.526 | < 0.526 | < 0.526 | < 0.526 |
| Chlordane | µg/L | 0.05 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| Alachlor | µg/L | 0.5 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | < 0.025 |
| **Polychlorinated Biphenyls (SW846 8082A)** | | | | | | | | | | |
| Aroclor-1016 | µg/L | 5 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| Aroclor-1221 | µg/L | 5 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| Aroclor-1232 | µg/L | 5 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| Aroclor-1242 | µg/L | 5 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| Aroclor-1248 | µg/L | 5 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| Aroclor-1254 | µg/L | 5 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| Aroclor-1260 | µg/L | 5 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| Aroclor-1262 | µg/L | 5 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| Aroclor-1268 | µg/L | 5 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| **Volatile Organic Compounds (SW846 8260C)** | | | | | | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | µg/L | NE | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Acetone | µg/L | 50 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | **18.7** | < 10.0 | < 10.0 |
| Benzene | µg/L | 1 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Bromochloromethane | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Bromodichloromethane | µg/L | 50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Bromoform | µg/L | 50 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Bromomethane | µg/L | 5 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| 2-Butanone (MEK) | µg/L | 50 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| n-Butylbenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| sec-Butylbenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| tert-Butylbenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Carbon disulfide | µg/L | 60 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| Carbon tetrachloride | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Chlorobenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Chloroethane | µg/L | 5 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| Chloroform | µg/L | 7 | < 1.00 | < 1.00 | **8.57** | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Chloromethane | µg/L | NE | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| 1,2-Dibromo-3-chloropropane | µg/L | 0.04 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| Dibromochloromethane | µg/L | 50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |

**Table 10-Groundwater Sample Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | NY Ambient Water Quality Standards and Guidance Values | SC60475-02 | SC60445-01 | SC60475-04 | SC60496-04 | SC60496-03 | SC60475-03 | SC60466-04 | SC60466-03 |
|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | | | BH-01 | BH-02 | BH-03 | BH-04 | BH-05 | HDD-02 | MW-1B | MW-2A |
| Matrix: | | GA | Ground Water | Ground Water | Ground Water | Ground Water | Ground Water | Ground Water | Ground Water | Ground Water |
| Well Screen Depth: | | | 10-30 ft bgs | 20-30 ft bgs | 10-30 ft bgs | 25-35 ft bgs | 25-35 ft bgs | 10-30 ft bgs | 5-15 ft bgs | 5-20 ft bgs |
| Sample Date: | | | 1/15/2021 | 1/13/2021 | 1/15/2021 | 1/19/2021 | 1/19/2021 | 1/15/2021 | 1/14/2021 | 1/14/2021 |
| **Volatile Organic Compounds (SW846 8260C)** | | | | | | | | | | |
| 1,2-Dibromoethane (EDB) | µg/L | 0.0006 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| 1,2-Dichlorobenzene | µg/L | 3 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,3-Dichlorobenzene | µg/L | 3 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,4-Dichlorobenzene | µg/L | 3 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Dichlorodifluoromethane (Freon12) | µg/L | 5 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| 1,1-Dichloroethane | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,2-Dichloroethane | µg/L | 0.6 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,1-Dichloroethene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| cis-1,2-Dichloroethene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| trans-1,2-Dichloroethene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,2-Dichloropropane | µg/L | 1 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| cis-1,3-Dichloropropene | µg/L | NE | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| trans-1,3-Dichloropropene | µg/L | NE | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Ethylbenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 2-Hexanone (MBK) | µg/L | 50 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| Isopropylbenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 4-Isopropyltoluene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Methyl tert-butyl ether | µg/L | 10 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 4-Methyl-2-pentanone (MIBK) | µg/L | NE | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| Methylene chloride | µg/L | 5 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| Naphthalene | µg/L | 10 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| n-Propylbenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Styrene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,1,2,2-Tetrachloroethane | µg/L | 5 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Tetrachloroethene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Toluene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,2,3-Trichlorobenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,2,4-Trichlorobenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,1,1-Trichloroethane | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,1,2-Trichloroethane | µg/L | 1 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Trichloroethene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Trichlorofluoromethane (Freon 11) | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,2,4-Trimethylbenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,3,5-Trimethylbenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Vinyl chloride | µg/L | 2 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| m,p-Xylene | µg/L | 5 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| o-Xylene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Cyclohexane | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Methyl acetate | µg/L | NE | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 |
| Methylcyclohexane | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |

**Table 10-Groundwater Sample Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | NY Ambient Water Quality Standards and Guidance Values | SC60475-02 | SC60445-01 | SC60475-04 | SC60496-04 | SC60496-03 | SC60475-03 | SC60466-04 | SC60466-03 |
|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | | | BH-01 | BH-02 | BH-03 | BH-04 | BH-05 | HDD-02 | MW-1B | MW-2A |
| Matrix: | | | Ground Water | Ground Water | Ground Water | Ground Water | Ground Water | Ground Water | Ground Water | Ground Water |
| Well Screen Depth: | | GA | 10-30 ft bgs | 20-30 ft bgs | 10-30 ft bgs | 25-35 ft bgs | 25-35 ft bgs | 10-30 ft bgs | 5-15 ft bgs | 5-20 ft bgs |
| Sample Date: | | | 1/15/2021 | 1/13/2021 | 1/15/2021 | 1/19/2021 | 1/19/2021 | 1/15/2021 | 1/14/2021 | 1/14/2021 |
| **Semi-Volatile Organic Compounds (SW846 8270D/8270E)** | | | | | | | | | | |
| Acenaphthene | µg/L | 20 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Acenaphthylene | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Aniline | µg/L | 5 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Anthracene | µg/L | 50 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Azobenzene/Diphenyldiazene | µg/L | 5 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Benzidine | µg/L | 5 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 |
| Benzo (a) anthracene | µg/L | 0.002 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Benzo (a) pyrene | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Benzo (b) fluoranthene | µg/L | 0.002 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Benzo (g,h,i) perylene | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Benzo (k) fluoranthene | µg/L | 0.002 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Benzoic acid | µg/L | NE | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 |
| Benzyl alcohol | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Bis(2-chloroethoxy)methane | µg/L | 5 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Bis(2-chloroethyl)ether | µg/L | 1 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Bis(2-chloroisopropyl)ether | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Bis(2-ethylhexyl)phthalate | µg/L | 5 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| 4-Bromophenyl phenyl ether | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Butyl benzyl phthalate | µg/L | 50 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Carbazole | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| 4-Chloro-3-methylphenol | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| 4-Chloroaniline | µg/L | 5 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| 2-Chloronaphthalene | µg/L | 10 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| 2-Chlorophenol | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| 4-Chlorophenyl phenyl ether | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Chrysene | µg/L | 0.002 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Dibenzo (a,h) anthracene | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Dibenzofuran | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| 1,2-Dichlorobenzene | µg/L | 3 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| 1,3-Dichlorobenzene | µg/L | 3 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| 1,4-Dichlorobenzene | µg/L | 3 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| 3,3´-Dichlorobenzidine | µg/L | 5 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| 2,4-Dichlorophenol | µg/L | 5 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Diethyl phthalate | µg/L | 50 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Dimethyl phthalate | µg/L | 50 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| 2,4-Dimethylphenol | µg/L | 50 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Di-n-butyl phthalate | µg/L | 50 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| 4,6-Dinitro-2-methylphenol | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| 2,4-Dinitrophenol | µg/L | 10 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| 2,4-Dinitrotoluene | µg/L | 5 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| 2,6-Dinitrotoluene | µg/L | 5 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Di-n-octyl phthalate | µg/L | 50 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Fluoranthene | µg/L | 50 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Fluorene | µg/L | 50 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Hexachlorobenzene | µg/L | 0.04 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Hexachlorobutadiene | µg/L | 0.5 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Hexachlorocyclopentadiene | µg/L | 5 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Hexachloroethane | µg/L | 5 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Indeno (1,2,3-cd) pyrene | µg/L | 0.002 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Isophorone | µg/L | 50 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| 2-Methylnaphthalene | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| 2-Methylphenol | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| 3 & 4-Methylphenol | µg/L | NE | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 |

**Table 10-Groundwater Sample Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | NY Ambient Water Quality Standards and Guidance Values | SC60475-02 | SC60445-01 | SC60475-04 | SC60496-04 | SC60496-03 | SC60475-03 | SC60466-04 | SC60466-03 |
|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | | | BH-01 | BH-02 | BH-03 | BH-04 | BH-05 | HDD-02 | MW-1B | MW-2A |
| Matrix: | | GA | Ground Water | Ground Water | Ground Water | Ground Water | Ground Water | Ground Water | Ground Water | Ground Water |
| Well Screen Depth: | | | 10-30 ft bgs | 20-30 ft bgs | 10-30 ft bgs | 25-35 ft bgs | 25-35 ft bgs | 10-30 ft bgs | 5-15 ft bgs | 5-20 ft bgs |
| Sample Date: | | | 1/15/2021 | 1/13/2021 | 1/15/2021 | 1/19/2021 | 1/19/2021 | 1/15/2021 | 1/14/2021 | 1/14/2021 |
| **Semi-Volatile Organic Compounds (SW846 8270D/8270E)** | | | | | | | | | | |
| Naphthalene | µg/L | 10 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| 2-Nitroaniline | µg/L | 5 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| 3-Nitroaniline | µg/L | 5 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| 4-Nitroaniline | µg/L | 5 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Nitrobenzene | µg/L | 0.4 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| 2-Nitrophenol | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| 4-Nitrophenol | µg/L | NE | < 20.0 | < 20.0 | < 20.0 | < 20.0 | < 20.0 | < 20.0 | < 20.0 | < 20.0 |
| N-Nitrosodimethylamine | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| N-Nitrosodi-n-propylamine | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| N-Nitrosodiphenylamine | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Pentachlorophenol | µg/L | 1 | < 20.0 | < 20.0 | < 20.0 | < 20.0 | < 20.0 | < 20.0 | < 20.0 | < 20.0 |
| Phenanthrene | µg/L | 50 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Phenol | µg/L | 1 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Pyrene | µg/L | 50 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Pyridine | µg/L | 50 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| 1,2,4-Trichlorobenzene | µg/L | 5 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| 1-Methylnaphthalene | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| 2,4,5-Trichlorophenol | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| 2,4,6-Trichlorophenol | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Pentachloronitrobenzene | µg/L | ND | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| 1,2,4,5-Tetrachlorobenzene | µg/L | 5 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| 1,4-Dioxane | µg/L | 1 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 |
| **Classical Chemistry (SW846 9012B)** | | | | | | | | | | |
| Cyanide, Total | mg/L | 0.2 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | **0.0047 J** |

Notes
1. "<" indicates the parameter is not detected.
2."NE" indicates a standard for the parameter is not established.
3. "NT" indicates that the parameter was not tested for.
4. Bold values indicate the constituent was detected above the laboratory reporting limit. Yellow highlight indicates an exceedance of NY's GA Ambient Water Quality Standards and Guidance Values. Orange highlight indicates an exceedance of the USEPAs PFOS+PFOA Drinking Water Health Advisory.
5. "BD" indicates the soil sample is a blind duplicate sample.
6. "J" indicates the result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
7. Phenolic compound criteria apply to total phenols.
8. NYSDEC Screening Levels and United States Environmental Protection Agency Drinking Water Health Advisory for PFOA and PFAS. A guidance value of 100 ng/L was used for any PFAS compound (excluding PFOS and PFOA) and a guidance value of 500 ng/L was used for total PFAS, as described in NYDEC's Sampling, Analysis and Assessment of Per- and Polyfluoroalkyl Substances (PFAS), dated January 2021.

**Table 10-Groundwater Sample Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | NY Ambient Water Quality Standards and Guidance Values | SC60466-05 | SC60466-06 | SC60466-07 | SC60466-09 | SC60466-08 | SC60445-06 | SC60445-07 | SC60445-02 |
|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | | | MW-3A | MW-4A | MW-4B | | MW-5B | MW-6A | MW-6B | MW-7A |
| Matrix: | | GA | Ground Water | Ground Water | Ground Water | Ground Water - BD | Ground Water | Ground Water | Ground Water | Ground Water |
| Well Screen Depth: | | | 5-10 ft bgs | 10-20 ft bgs | 5-20 ft bgs | 5-20 ft bgs | 9.5-19.5 ft bgs | 10-25 ft bgs | 15.3-25.3 ft bgs | 14.3-24.3 ft bgs |
| Sample Date: | | | 1/14/2021 | 1/14/2021 | 1/14/2021 | 1/14/2021 | 1/14/2021 | 1/13/2021 | 1/13/2021 | 1/13/2021 |
| **Per- and Polyfluoroalkyl Substances (EPA PFC_IDA)** | | | | | | | | | | |
| 1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2) | ng/L | 100 | < 1.75 | < 1.74 | < 1.72 | < 1.74 | < 1.71 | < 1.83 | < 1.76 | < 1.79 |
| 1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2) | ng/L | 100 | < 4.38 | < 4.35 | < 4.29 | < 4.34 | < 4.29 | < 4.58 | < 4.40 | < 4.48 |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtF) | ng/L | 100 | < 4.38 | < 4.35 | < 4.29 | < 4.34 | < 4.29 | < 4.58 | < 4.40 | < 4.48 |
| N-methylperfluorooctanesulfonamidoacetic acid (Nme) | ng/L | 100 | < 4.38 | < 4.35 | < 4.29 | < 4.34 | < 4.29 | < 4.58 | < 4.40 | < 4.48 |
| Perfluorobutanesulfonic acid (PFBS) | ng/L | 100 | < 1.75 | **1.67 J** | **1.73** | **1.79** | **3.53** | **0.64 J** | **1.21 J** | **9.42** |
| Perfluorobutanoic acid (PFBA) | ng/L | 100 | < 4.38 | **12.1** | **2.34 J** | **2.64 J** | < 4.29 | < 4.58 | **5.75** | **4.26 J** |
| Perfluorodecanesulfonic acid (PFDS) | ng/L | 100 | < 1.75 | < 1.74 | < 1.72 | < 1.74 | < 1.71 | < 1.83 | < 1.76 | < 1.79 |
| Perfluorodecanoic acid (PFDA) | ng/L | 100 | < 1.75 | **24.3** | < 1.72 | < 1.74 | < 1.71 | < 1.83 | < 1.76 | < 1.79 |
| Perfluorododecanoic acid (PFDoA) | ng/L | 100 | < 1.75 | < 1.74 | < 1.72 | < 1.74 | < 1.71 | < 1.83 | < 1.76 | < 1.79 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ng/L | 100 | < 1.75 | < 1.74 | **1.99** | **1.82** | < 1.71 | < 1.83 | < 1.76 | < 1.79 |
| Perfluoroheptanoic acid (PFHpA) | ng/L | 100 | < 1.75 | **20.4** | **2.29** | **2.41** | **0.64 J** | < 1.83 | **0.73 J** | **4.89** |
| Perfluorohexanesulfonic acid (PFHxS) | ng/L | 100 | < 1.75 | **1.16 J** | **6.88** | **6.81** | **9.22** | **0.77 J** | **0.80 J** | **1.52 J** |
| Perfluorohexanoic acid (PFHxA) | ng/L | 100 | < 1.75 | **27.8** | **4.19** | **3.94** | **1.90** | < 1.83 | **1.31 J** | **12.4** |
| Perfluorononanoic acid (PFNA) | ng/L | 100 | < 1.75 | **17.5** | < 1.72 | < 1.74 | < 1.71 | < 1.83 | < 1.76 | < 1.79 |
| Perfluorooctanesulfonamide (PFOSA) | ng/L | 100 | < 1.75 | < 1.74 | < 1.72 | < 1.74 | < 1.71 | < 1.83 | < 1.76 | < 1.79 |
| Perfluorooctanesulfonic acid (PFOS) | ng/L | 10 | **1.54 J** | **4.12** | **7.25** | **7.02** | < 1.71 | **1.82 J** | **1.60 J** | **2.20** |
| Perfluorooctanoic acid (PFOA) | ng/L | 10 | **1.09 J** | **50.0** | **5.34** | **5.79** | **1.85** | < 1.83 | **1.78** | **8.58** |
| Perfluoropentanoic acid (PFPeA) | ng/L | 100 | < 1.75 | **31.3** | **2.74** | **2.98** | < 1.71 | < 1.83 | **1.21 J** | **14.3** |
| Perfluorotetradecanoic acid (PFTeA) | ng/L | 100 | < 1.75 | < 1.74 | < 1.72 | < 1.74 | < 1.71 | < 1.83 | < 1.76 | < 1.79 |
| Perfluorotridecanoic acid (PFTriA) | ng/L | 100 | < 1.75 | < 1.74 | < 1.72 | < 1.74 | < 1.71 | < 1.83 | < 1.76 | < 1.79 |
| Perfluoroundecanoic acid (PFUnA) | ng/L | 100 | < 1.75 | < 1.74 | < 1.72 | < 1.74 | < 1.71 | < 1.83 | < 1.76 | < 1.79 |
| PFOS and PFOA | ng/L | 70 [8] | **2.63** | **54.12** | **12.59** | **12.81** | **1.85** | **1.82** | **3.38** | **10.78** |
| Total PFAS | ng/L | 500 | **2.63** | **190.35** | **34.75** | **35.2** | **17.14** | **3.23** | **14.39** | **57.57** |
| **Metals (SW846 6010C/7196A,EPA 245.1/7470A)** | | | | | | | | | | |
| Silver | mg/L | 0.05 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0200 | < 0.0200 | < 0.0200 |
| Aluminum | mg/L | NE | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | **0.300** | **0.298** | **0.753** |
| Arsenic | mg/L | 0.025 | < 0.00800 | < 0.00800 | < 0.00800 | < 0.00800 | < 0.00800 | < 0.00800 | < 0.00800 | < 0.00800 |
| Barium | mg/L | 1 | < 0.0100 | **0.0198** | **0.0167** | **0.0165** | **0.0102** | < 0.0200 | **0.0377** | **0.0319** |
| Beryllium | mg/L | 0.003 | < 0.0040 | < 0.0040 | < 0.0040 | < 0.0040 | < 0.0040 | < 0.0040 | < 0.0040 | < 0.0040 |
| Calcium | mg/L | NE | **12.4** | **23.0** | **20.8** | **20.7** | **3.69** | **13.5** | **2.91** | **27.3** |
| Cobalt | mg/L | NE | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 |
| Cadmium | mg/L | 0.005 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0100 | < 0.0100 | < 0.0100 |
| Chromium | mg/L | 0.05 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 |
| Copper | mg/L | 0.2 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 |
| Iron | mg/L | 0.3 | < 0.100 | **0.304** | < 0.100 | < 0.100 | **0.117** | **0.632** | < 0.100 | **0.944** |
| Potassium | mg/L | NE | < 1.00 | **1.99** | **1.56** | **1.56** | < 1.00 | **4.26** | **3.70** | **4.72** |
| Magnesium | mg/L | 35 | **4.84** | **4.74** | **6.31** | **6.23** | **1.68** | **2.80** | **2.16** | **5.42** |
| Manganese | mg/L | 0.3 | **0.0142** | **0.0590** | **0.0202** | **0.0199** | **0.0305** | **0.498** | **0.059** | **0.118** |
| Sodium | mg/L | 20 | **9.85** | **13.8** | **10.0** | **9.93** | **22.3** | **15.5** | **32.3** | **18.2** |
| Nickel | mg/L | 0.1 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 |
| Lead | mg/L | 0.025 | < 0.0150 | < 0.0150 | < 0.0150 | < 0.0150 | < 0.0150 | < 0.0300 | < 0.0300 | < 0.0300 |
| Antimony | mg/L | 0.003 | < 0.0170 | < 0.0170 | < 0.0170 | < 0.0170 | < 0.0170 | < 0.0170 | < 0.0170 | < 0.0170 |
| Selenium | mg/L | 0.01 | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0300 | < 0.0300 | < 0.0300 |
| Thallium | mg/L | 0.0005 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 |
| Vanadium | mg/L | NE | < 0.0420 | < 0.0420 | < 0.0420 | < 0.0420 | < 0.0420 | < 0.0500 | < 0.0500 | < 0.0500 |
| Zinc | mg/L | 2 | < 0.0200 | < 0.0200 | < 0.0200 | < 0.0200 | < 0.0200 | < 0.0200 | < 0.0200 | < 0.0200 |
| Cr (VI) | µg/L | 50 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 |
| Mercury | mg/L | 0.0007 | **0.00023** | < 0.00020 | < 0.00020 | < 0.00020 | < 0.00020 | < 0.00020 | < 0.00020 | < 0.00020 |

**Table 10-Groundwater Sample Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | NY Ambient Water Quality Standards and Guidance Values | SC60466-05 | SC60466-06 | SC60466-07 | SC60466-09 | SC60466-08 | SC60445-06 | SC60445-07 | SC60445-02 |
|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | | | MW-3A | MW-4A | MW-4B | | MW-5B | MW-6A | MW-6B | MW-7A |
| Matrix: | | GA | Ground Water | Ground Water | Ground Water | Ground Water - BD | Ground Water | Ground Water | Ground Water | Ground Water |
| Well Screen Depth: | | | 5-10 ft bgs | 10-20 ft bgs | 5-20 ft bgs | 5-20 ft bgs | 9.5-19.5 ft bgs | 10-25 ft bgs | 15.3-25.3 ft bgs | 14.3-24.3 ft bgs |
| Sample Date: | | | 1/14/2021 | 1/14/2021 | 1/14/2021 | 1/14/2021 | 1/14/2021 | 1/13/2021 | 1/13/2021 | 1/13/2021 |
| **Pesticides (SW846 8081B)** | | | | | | | | | | |
| alpha-BHC | µg/L | NE | < 0.025 | < 0.028 | < 0.026 | < 0.026 | < 0.025 | < 0.025 | < 0.025 | < 0.025 |
| beta-BHC | µg/L | NE | < 0.025 | < 0.028 | < 0.026 | < 0.026 | < 0.025 | < 0.025 | < 0.025 | < 0.025 |
| delta-BHC | µg/L | NE | < 0.025 | < 0.028 | < 0.026 | < 0.026 | < 0.025 | < 0.025 | < 0.025 | < 0.025 |
| gamma-BHC (Lindane) | µg/L | NE | < 0.025 | < 0.028 | < 0.026 | < 0.026 | < 0.025 | < 0.025 | < 0.025 | < 0.025 |
| Heptachlor | µg/L | 0.04 | < 0.025 | < 0.028 | < 0.026 | < 0.026 | < 0.025 | < 0.025 | < 0.025 | < 0.025 |
| Aldrin | µg/L | ND | < 0.025 | < 0.028 | < 0.026 | < 0.026 | < 0.025 | < 0.025 | < 0.025 | < 0.025 |
| Heptachlor epoxide | µg/L | 0.03 | < 0.025 | < 0.028 | < 0.026 | < 0.026 | < 0.025 | < 0.025 | < 0.025 | < 0.025 |
| Endosulfan I | µg/L | NE | < 0.025 | < 0.028 | < 0.026 | < 0.026 | < 0.025 | < 0.025 | < 0.025 | < 0.025 |
| Dieldrin | µg/L | 0.004 | < 0.025 | < 0.028 | < 0.026 | < 0.026 | < 0.025 | < 0.025 | < 0.025 | < 0.025 |
| 4,4'-DDE (p,p') | µg/L | 0.2 | < 0.025 | < 0.028 | < 0.026 | < 0.026 | < 0.025 | < 0.025 | < 0.025 | < 0.025 |
| Endrin | µg/L | ND | < 0.050 | < 0.056 | < 0.053 | < 0.053 | < 0.050 | < 0.050 | < 0.050 | < 0.050 |
| Endosulfan II | µg/L | NE | < 0.050 | < 0.056 | < 0.053 | < 0.053 | < 0.050 | < 0.050 | < 0.050 | < 0.050 |
| 4,4'-DDD (p,p') | µg/L | 0.3 | < 0.050 | < 0.056 | < 0.053 | < 0.053 | < 0.050 | < 0.050 | < 0.050 | < 0.050 |
| Endosulfan sulfate | µg/L | NE | < 0.050 | < 0.056 | < 0.053 | < 0.053 | < 0.050 | < 0.050 | < 0.050 | < 0.050 |
| 4,4'-DDT (p,p') | µg/L | 0.2 | < 0.050 | < 0.056 | < 0.053 | < 0.053 | < 0.050 | < 0.050 | < 0.050 | < 0.050 |
| Methoxychlor | µg/L | 35 | < 0.050 | < 0.056 | < 0.053 | < 0.053 | < 0.050 | < 0.050 | < 0.050 | < 0.050 |
| Endrin ketone | µg/L | 5 | < 0.050 | < 0.056 | < 0.053 | < 0.053 | < 0.050 | < 0.050 | < 0.050 | < 0.050 |
| Endrin aldehyde | µg/L | 5 | < 0.050 | < 0.056 | < 0.053 | < 0.053 | < 0.050 | < 0.050 | < 0.050 | < 0.050 |
| alpha-Chlordane | µg/L | NE | < 0.025 | < 0.028 | < 0.026 | < 0.026 | < 0.025 | < 0.025 | < 0.025 | < 0.025 |
| gamma-Chlordane | µg/L | NE | < 0.025 | < 0.028 | < 0.026 | < 0.026 | < 0.025 | < 0.025 | < 0.025 | < 0.025 |
| Toxaphene | µg/L | 0.06 | < 0.526 | < 0.056 | < 0.526 | < 0.526 | < 0.526 | < 0.526 | < 0.526 | < 0.526 |
| Chlordane | µg/L | 0.05 | < 0.250 | < 0.278 | < 0.263 | < 0.263 | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| Alachlor | µg/L | 0.5 | < 0.025 | < 0.028 | < 0.026 | < 0.026 | < 0.025 | < 0.025 | < 0.025 | < 0.025 |
| **Polychlorinated Biphenyls (SW846 8082A)** | | | | | | | | | | |
| Aroclor-1016 | µg/L | 5 | < 0.250 | < 0.278 | < 0.263 | < 0.263 | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| Aroclor-1221 | µg/L | 5 | < 0.250 | < 0.278 | < 0.263 | < 0.263 | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| Aroclor-1232 | µg/L | 5 | < 0.250 | < 0.278 | < 0.263 | < 0.263 | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| Aroclor-1242 | µg/L | 5 | < 0.250 | < 0.278 | < 0.263 | < 0.263 | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| Aroclor-1248 | µg/L | 5 | < 0.250 | < 0.278 | < 0.263 | < 0.263 | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| Aroclor-1254 | µg/L | 5 | < 0.250 | < 0.278 | < 0.263 | < 0.263 | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| Aroclor-1260 | µg/L | 5 | < 0.250 | < 0.278 | < 0.263 | < 0.263 | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| Aroclor-1262 | µg/L | 5 | < 0.250 | < 0.278 | < 0.263 | < 0.263 | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| Aroclor-1268 | µg/L | 5 | < 0.250 | < 0.278 | < 0.263 | < 0.263 | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| **Volatile Organic Compounds (SW846 8260C)** | | | | | | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | µg/L | NE | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Acetone | µg/L | 50 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 |
| Benzene | µg/L | 1 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Bromochloromethane | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Bromodichloromethane | µg/L | 50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Bromoform | µg/L | 50 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Bromomethane | µg/L | 5 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| 2-Butanone (MEK) | µg/L | 50 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| n-Butylbenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| sec-Butylbenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| tert-Butylbenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Carbon disulfide | µg/L | 60 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| Carbon tetrachloride | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Chlorobenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Chloroethane | µg/L | 5 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| Chloroform | µg/L | 7 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | **1.19** | < 1.00 |
| Chloromethane | µg/L | NE | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| 1,2-Dibromo-3-chloropropane | µg/L | 0.04 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| Dibromochloromethane | µg/L | 50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |

**Table 10-Groundwater Sample Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | NY Ambient Water Quality Standards and Guidance Values | SC60466-05 | SC60466-06 | SC60466-07 | SC60466-09 | SC60466-08 | SC60445-06 | SC60445-07 | SC60445-02 |
|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | | | MW-3A | MW-4A | MW-4B | | MW-5B | MW-6A | MW-6B | MW-7A |
| Matrix: | | GA | Ground Water | Ground Water | Ground Water | Ground Water - BD | Ground Water | Ground Water | Ground Water | Ground Water |
| Well Screen Depth: | | | 5-10 ft bgs | 10-20 ft bgs | 5-20 ft bgs | 5-20 ft bgs | 9.5-19.5 ft bgs | 10-25 ft bgs | 15.3-25.3 ft bgs | 14.3-24.3 ft bgs |
| Sample Date: | | | 1/14/2021 | 1/14/2021 | 1/14/2021 | 1/14/2021 | 1/14/2021 | 1/13/2021 | 1/13/2021 | 1/13/2021 |
| **Volatile Organic Compounds (SW846 8260C)** | | | | | | | | | | |
| 1,2-Dibromoethane (EDB) | µg/L | 0.0006 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| 1,2-Dichlorobenzene | µg/L | 3 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,3-Dichlorobenzene | µg/L | 3 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,4-Dichlorobenzene | µg/L | 3 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Dichlorodifluoromethane (Freon12) | µg/L | 5 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| 1,1-Dichloroethane | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,2-Dichloroethane | µg/L | 0.6 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,1-Dichloroethene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| cis-1,2-Dichloroethene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| trans-1,2-Dichloroethene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,2-Dichloropropane | µg/L | 1 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| cis-1,3-Dichloropropene | µg/L | NE | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| trans-1,3-Dichloropropene | µg/L | NE | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Ethylbenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 2-Hexanone (MBK) | µg/L | 50 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| Isopropylbenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 4-Isopropyltoluene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Methyl tert-butyl ether | µg/L | 10 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 4-Methyl-2-pentanone (MIBK) | µg/L | NE | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| Methylene chloride | µg/L | 5 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| Naphthalene | µg/L | 10 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| n-Propylbenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Styrene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,1,2,2-Tetrachloroethane | µg/L | 5 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Tetrachloroethene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Toluene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,2,3-Trichlorobenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,2,4-Trichlorobenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,1,1-Trichloroethane | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,1,2-Trichloroethane | µg/L | 1 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Trichloroethene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Trichlorofluoromethane (Freon 11) | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,2,4-Trimethylbenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,3,5-Trimethylbenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Vinyl chloride | µg/L | 2 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| m,p-Xylene | µg/L | 5 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| o-Xylene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Cyclohexane | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Methyl acetate | µg/L | NE | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 |
| Methylcyclohexane | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |

**Table 10-Groundwater Sample Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | NY Ambient Water Quality Standards and Guidance Values | SC60466-05 | SC60466-06 | SC60466-07 | SC60466-09 | SC60466-08 | SC60445-06 | SC60445-07 | SC60445-02 |
|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | | | MW-3A | MW-4A | MW-4B | | MW-5B | MW-6A | MW-6B | MW-7A |
| Matrix: | | | Ground Water | Ground Water | Ground Water | Ground Water - BD | Ground Water | Ground Water | Ground Water | Ground Water |
| Well Screen Depth: | | GA | 5-10 ft bgs | 10-20 ft bgs | 5-20 ft bgs | 5-20 ft bgs | 9.5-19.5 ft bgs | 10-25 ft bgs | 15.3-25.3 ft bgs | 14.3-24.3 ft bgs |
| Sample Date: | | | 1/14/2021 | 1/14/2021 | 1/14/2021 | 1/14/2021 | 1/14/2021 | 1/13/2021 | 1/13/2021 | 1/13/2021 |
| **Semi-Volatile Organic Compounds (SW846 8270D/8270E)** | | | | | | | | | | |
| Acenaphthene | µg/L | 20 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| Acenaphthylene | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| Aniline | µg/L | 5 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| Anthracene | µg/L | 50 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| Azobenzene/Diphenyldiazene | µg/L | 5 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| Benzidine | µg/L | 5 | < 10.0 | < 10.0 | < 10.0 | < 10.5 | < 10.0 | < 10.0 | < 10.0 | < 10.5 |
| Benzo (a) anthracene | µg/L | 0.002 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| Benzo (a) pyrene | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| Benzo (b) fluoranthene | µg/L | 0.002 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| Benzo (g,h,i) perylene | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| Benzo (k) fluoranthene | µg/L | 0.002 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| Benzoic acid | µg/L | NE | < 10.0 | < 10.0 | < 10.0 | < 10.5 | < 10.0 | < 10.0 | < 10.0 | < 10.5 |
| Benzyl alcohol | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| Bis(2-chloroethoxy)methane | µg/L | 5 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| Bis(2-chloroethyl)ether | µg/L | 1 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| Bis(2-chloroisopropyl)ether | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| Bis(2-ethylhexyl)phthalate | µg/L | 5 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| 4-Bromophenyl phenyl ether | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| Butyl benzyl phthalate | µg/L | 50 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| Carbazole | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| 4-Chloro-3-methylphenol | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| 4-Chloroaniline | µg/L | 5 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| 2-Chloronaphthalene | µg/L | 10 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| 2-Chlorophenol | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| 4-Chlorophenyl phenyl ether | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| Chrysene | µg/L | 0.002 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| Dibenzo (a,h) anthracene | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| Dibenzofuran | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| 1,2-Dichlorobenzene | µg/L | 3 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| 1,3-Dichlorobenzene | µg/L | 3 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| 1,4-Dichlorobenzene | µg/L | 3 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| 3,3´-Dichlorobenzidine | µg/L | 5 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| 2,4-Dichlorophenol | µg/L | 5 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| Diethyl phthalate | µg/L | 50 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| Dimethyl phthalate | µg/L | 50 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| 2,4-Dimethylphenol | µg/L | 50 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| Di-n-butyl phthalate | µg/L | 50 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| 4,6-Dinitro-2-methylphenol | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| 2,4-Dinitrophenol | µg/L | 10 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| 2,4-Dinitrotoluene | µg/L | 5 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| 2,6-Dinitrotoluene | µg/L | 5 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| Di-n-octyl phthalate | µg/L | 50 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| Fluoranthene | µg/L | 50 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| Fluorene | µg/L | 50 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| Hexachlorobenzene | µg/L | 0.04 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| Hexachlorobutadiene | µg/L | 0.5 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| Hexachlorocyclopentadiene | µg/L | 5 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| Hexachloroethane | µg/L | 5 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| Indeno (1,2,3-cd) pyrene | µg/L | 0.002 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| Isophorone | µg/L | 50 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| 2-Methylnaphthalene | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| 2-Methylphenol | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| 3 & 4-Methylphenol | µg/L | NE | < 10.0 | < 10.0 | < 10.0 | < 10.5 | < 10.0 | < 10.0 | < 10.0 | < 10.5 |

**Table 10-Groundwater Sample Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | NY Ambient Water Quality Standards and Guidance Values | SC60466-05 | SC60466-06 | SC60466-07 | SC60466-09 | SC60466-08 | SC60445-06 | SC60445-07 | SC60445-02 |
|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | | | MW-3A | MW-4A | MW-4B | | MW-5B | MW-6A | MW-6B | MW-7A |
| Matrix: | | GA | Ground Water | Ground Water | Ground Water | Ground Water - BD | Ground Water | Ground Water | Ground Water | Ground Water |
| Well Screen Depth: | | | 5-10 ft bgs | 10-20 ft bgs | 5-20 ft bgs | 5-20 ft bgs | 9.5-19.5 ft bgs | 10-25 ft bgs | 15.3-25.3 ft bgs | 14.3-24.3 ft bgs |
| Sample Date: | | | 1/14/2021 | 1/14/2021 | 1/14/2021 | 1/14/2021 | 1/14/2021 | 1/13/2021 | 1/13/2021 | 1/13/2021 |
| **Semi-Volatile Organic Compounds (SW846 8270D/8270E)** | | | | | | | | | | |
| Naphthalene | µg/L | 10 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| 2-Nitroaniline | µg/L | 5 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| 3-Nitroaniline | µg/L | 5 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| 4-Nitroaniline | µg/L | 5 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| Nitrobenzene | µg/L | 0.4 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| 2-Nitrophenol | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| 4-Nitrophenol | µg/L | NE | < 20.0 | < 20.0 | < 20.0 | < 21.1 | < 20.0 | < 20.0 | < 20.0 | < 21.1 |
| N-Nitrosodimethylamine | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| N-Nitrosodi-n-propylamine | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| N-Nitrosodiphenylamine | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| Pentachlorophenol | µg/L | 1 | < 20.0 | < 20.0 | < 20.0 | < 21.1 | < 20.0 | < 20.0 | < 20.0 | < 21.1 |
| Phenanthrene | µg/L | 50 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| Phenol | µg/L | 1 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| Pyrene | µg/L | 50 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| Pyridine | µg/L | 50 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| 1,2,4-Trichlorobenzene | µg/L | 5 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| 1-Methylnaphthalene | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| 2,4,5-Trichlorophenol | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| 2,4,6-Trichlorophenol | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| Pentachloronitrobenzene | µg/L | ND | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| 1,2,4,5-Tetrachlorobenzene | µg/L | 5 | < 5.00 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | < 5.26 |
| 1,4-Dioxane | µg/L | 1 | < 0.20 | < 0.20 | **0.047 J** | < 0.20 | **0.016 J** | < 0.20 | < 0.20 | **0.080 J** |
| **Classical Chemistry (SW846 9012B)** | | | | | | | | | | |
| Cyanide, Total | mg/L | 0.2 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |

Notes
1. "<" indicates the parameter is not detected.
2."NE" indicates a standard for the parameter is not established.
3. "NT" indicates that the parameter was not tested for.
4. Bold values indicate the constituent was detected above the laboratory reporting limit. Yellow highlight indicates an exceedance of NY's GA Ambient Water Quality Standards and Guidance Values. Orange highlight indicates an exceedance of the USEPAs PFOS+PFOA Drinking Water Health Advisory.
5. "BD" indicates the soil sample is a blind duplicate sample.
6. "J" indicates the result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
7. Phenolic compound criteria apply to total phenols.
8. NYSDEC Screening Levels and United States Environmental Protection Agency Drinking Water Health Advisory for PFOA and PFAS. A guidance value of 100 ng/L was used for any PFAS compound (excluding PFOS and PFOA) and a guidance value of 500 ng/L was used for total PFAS, as described in NYDEC's Sampling, Analysis and Assessment of Per- and Polyfluoroalkyl Substances (PFAS), dated January 2021.

**Table 10-Groundwater Sample Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | NY Ambient Water Quality Standards and Guidance Values | SC60445-08 | SC60445-03 | SC60475-05 | SC60476-03 | SC60476-04 | SC60476-05 | SC60445-04 | SC60475-01 |
|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | | | MW-8A | MW-8B | MW-10A | MW-12A | MW-15A | MW-18B | Field Blank | FB011521 |
| Matrix: | | | Ground Water | Ground Water | Ground Water | Ground Water | Ground Water | Ground Water | PFAS Free Water | PFAS Free Water |
| Well Screen Depth: | | GA | 5-10 ft bgs | 5-10 ft bgs | 14.8-24.8 ft bgs | 25-35 ft bgs | 15.4-30.4 ft bgs | 25-30 ft bgs | | |
| Sample Date: | | | 1/13/2021 | 1/13/2021 | 1/15/2021 | 1/18/2021 | 1/18/2021 | 1/18/2021 | 1/13/2021 | 1/15/2021 |
| **Per- and Polyfluoroalkyl Substances (EPA PFC_IDA)** | | | | | | | | | | |
| 1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2) | ng/L | 100 | < 1.80 | < 1.77 | < 1.78 | < 1.82 | < 1.77 | < 1.80 | < 1.70 | < 1.66 |
| 1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2) | ng/L | 100 | < 4.50 | < 4.42 | < 4.44 | < 4.55 | < 4.42 | < 4.49 | < 4.25 | < 4.15 |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtF) | ng/L | 100 | < 4.50 | < 4.42 | < 4.44 | < 4.55 | < 4.42 | < 4.49 | < 4.25 | < 4.15 |
| N-methylperfluorooctanesulfonamidoacetic acid (Nme) | ng/L | 100 | < 4.50 | < 4.42 | < 4.44 | < 4.55 | < 4.42 | < 4.49 | < 4.25 | < 4.15 |
| Perfluorobutanesulfonic acid (PFBS) | ng/L | 100 | **0.61 J** | **0.70 J** | **4.09** | **2.04** | **2.15** | **0.69 J** | < 1.70 | < 1.66 |
| Perfluorobutanoic acid (PFBA) | ng/L | 100 | **3.45 J** | < 4.42 | **2.17 J** | **3.54 J** | **5.63** | **1.66 J** | < 4.25 | < 4.15 |
| Perfluorodecanesulfonic acid (PFDS) | ng/L | 100 | < 1.80 | < 1.77 | < 1.78 | < 1.82 | < 1.77 | < 1.80 | < 1.70 | < 1.66 |
| Perfluorodecanoic acid (PFDA) | ng/L | 100 | < 1.80 | < 1.77 | < 1.78 | **0.61 J** | < 1.77 | < 1.80 | < 1.70 | < 1.66 |
| Perfluorododecanoic acid (PFDoA) | ng/L | 100 | < 1.80 | < 1.77 | < 1.78 | < 1.82 | < 1.77 | < 1.80 | < 1.70 | < 1.66 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ng/L | 100 | < 1.80 | < 1.77 | < 1.78 | < 1.82 | < 1.77 | < 1.80 | < 1.70 | < 1.66 |
| Perfluoroheptanoic acid (PFHpA) | ng/L | 100 | **1.55 J** | < 1.77 | **1.27 J** | **3.62** | **3.47** | **1.19 J** | < 1.70 | < 1.66 |
| Perfluorohexanesulfonic acid (PFHxS) | ng/L | 100 | **0.64 J** | < 1.77 | < 1.78 | **0.79 J** | **1.37 J** | **1.0 J** | < 1.70 | < 1.66 |
| Perfluorohexanoic acid (PFHxA) | ng/L | 100 | **6.31** | < 1.77 | **3.48** | **1.70 J** | **2.44** | **1.36 J** | < 1.70 | < 1.66 |
| Perfluorononanoic acid (PFNA) | ng/L | 100 | < 1.80 | < 1.77 | < 1.78 | **0.57 J** | **1.07 J** | < 1.80 | < 1.70 | < 1.66 |
| Perfluorooctanesulfonamide (PFOSA) | ng/L | 100 | < 1.80 | < 1.77 | < 1.78 | < 1.82 | < 1.77 | < 1.80 | < 1.70 | < 1.66 |
| Perfluorooctanesulfonic acid (PFOS) | ng/L | 10 | **2.64** | < 1.77 | < 1.78 | **3.35** | **14.7** | **1.03 J** | < 1.70 | < 1.66 |
| Perfluorooctanoic acid (PFOA) | ng/L | 10 | **3.30** | < 1.77 | **2.72** | **3.72** | **9.11** | **1.42 J** | < 1.70 | < 1.66 |
| Perfluoropentanoic acid (PFPeA) | ng/L | 100 | **6.37** | < 1.77 | **1.89** | < 1.82 | **1.31 J** | **1.01 J** | < 1.70 | < 1.66 |
| Perfluorotetradecanoic acid (PFTeA) | ng/L | 100 | < 1.80 | < 1.77 | < 1.78 | < 1.82 | < 1.77 | < 1.80 | < 1.70 | < 1.66 |
| Perfluorotridecanoic acid (PFTriA) | ng/L | 100 | < 1.80 | < 1.77 | < 1.78 | < 1.82 | < 1.77 | < 1.80 | < 1.70 | < 1.66 |
| Perfluoroundecanoic acid (PFUnA) | ng/L | 100 | < 1.80 | < 1.77 | < 1.78 | < 1.82 | < 1.77 | < 1.80 | < 1.70 | < 1.66 |
| PFOS and PFOA | ng/L | 70 [8] | **5.94** | 0 | **2.72** | **7.07** | **23.81** | **2.45** | 0 | < 1.66 |
| Total PFAS | ng/L | 500 | **24.87** | **0.70** | **15.62** | **19.94** | **41.25** | **9.36** | 0 | < 1.66 |
| **Metals (SW846 6010C/7196A,EPA 245.1/7470A)** | | | | | | | | | | |
| Silver | mg/L | 0.05 | < 0.0200 | < 0.0200 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | NT | NT |
| Aluminum | mg/L | NE | **0.106** | **0.771** | **0.0695** | <0.0500 | **0.395** | **0.591** | NT | NT |
| Arsenic | mg/L | 0.025 | < 0.00800 | < 0.00800 | < 0.00800 | < 0.00800 | < 0.00800 | < 0.00800 | NT | NT |
| Barium | mg/L | 1 | **0.0329** | **0.0615** | **0.0314** | **0.0111** | **0.0176** | **0.696** | NT | NT |
| Beryllium | mg/L | 0.003 | < 0.0040 | < 0.0040 | < 0.0040 | < 0.0040 | < 0.0040 | < 0.0040 | NT | NT |
| Calcium | mg/L | NE | **19.4** | **12.8** | **20.7** | **10.7** | **17.9** | **4.69** | NT | NT |
| Cobalt | mg/L | NE | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | NT | NT |
| Cadmium | mg/L | 0.005 | < 0.0100 | **0.0119** | < 0.0050 | <0.0100 | < 0.0100 | < 0.0100 | NT | NT |
| Chromium | mg/L | 0.05 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | NT | NT |
| Copper | mg/L | 0.2 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | NT | NT |
| Iron | mg/L | 0.3 | **2.08** | **2.48** | **0.151** | < 0.100 | **0.509** | **0.551** | NT | NT |
| Potassium | mg/L | NE | **3.11** | **3.94** | **4.48** | **1.27** | 1.93 | **1.04** | NT | NT |
| Magnesium | mg/L | 35 | **4.00** | **2.86** | **3.55** | **2.39** | **2.13** | **1.40** | NT | NT |
| Manganese | mg/L | 0.3 | **1.04** | **0.955** | **0.0127** | **0.0672** | **0.14** | **0.247** | NT | NT |
| Sodium | mg/L | 20 | **16.9** | **17.2** | **17.8** | **20.0** | **35.5** | **66.7** | NT | NT |
| Nickel | mg/L | 0.1 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | NT | NT |
| Lead | mg/L | 0.025 | < 0.0300 | < 0.0300 | < 0.0150 | < 0.0150 | < 0.0150 | < 0.0150 | NT | NT |
| Antimony | mg/L | 0.003 | < 0.0170 | < 0.0170 | < 0.0120 | < 0.0120 | < 0.0120 | < 0.0120 | NT | NT |
| Selenium | mg/L | 0.01 | < 0.0300 | < 0.0300 | < 0.0300 | < 0.0300 | < 0.0300 | < 0.0300 | NT | NT |
| Thallium | mg/L | 0.0005 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | NT | NT |
| Vanadium | mg/L | NE | < 0.0500 | < 0.0500 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | NT | NT |
| Zinc | mg/L | 2 | < 0.0200 | < 0.0200 | < 0.0200 | < 0.0200 | < 0.0200 | < 0.0200 | NT | NT |
| Cr (VI) | µg/L | 50 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | NT | NT |
| Mercury | mg/L | 0.0007 | < 0.00020 | < 0.00020 | < 0.00050 | < 0.00050 | < 0.00050 | < 0.00050 | NT | NT |

**Table 10-Groundwater Sample Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | NY Ambient Water Quality Standards and Guidance Values | SC60445-08 | SC60445-03 | SC60475-05 | SC60476-03 | SC60476-04 | SC60476-05 | SC60445-04 | SC60475-01 |
|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | | | MW-8A | MW-8B | MW-10A | MW-12A | MW-15A | MW-18B | Field Blank | FB011521 |
| Matrix: | | | Ground Water | Ground Water | Ground Water | Ground Water | Ground Water | Ground Water | PFAS Free Water | PFAS Free Water |
| Well Screen Depth: | | GA | 5-10 ft bgs | 5-10 ft bgs | 14.8-24.8 ft bgs | 25-35 ft bgs | 15.4-30.4 ft bgs | 25-30 ft bgs | | |
| Sample Date: | | | 1/13/2021 | 1/13/2021 | 1/15/2021 | 1/18/2021 | 1/18/2021 | 1/18/2021 | 1/13/2021 | 1/15/2021 |
| **Pesticides (SW846 8081B)** | | | | | | | | | | |
| alpha-BHC | µg/L | NE | < 0.025 | < 0.025 | < 0.026 | < 0.025 | < 0.025 | < 0.025 | NT | NT |
| beta-BHC | µg/L | NE | < 0.025 | < 0.025 | < 0.026 | < 0.025 | < 0.025 | < 0.025 | NT | NT |
| delta-BHC | µg/L | NE | < 0.025 | < 0.025 | < 0.026 | < 0.025 | < 0.025 | < 0.025 | NT | NT |
| gamma-BHC (Lindane) | µg/L | NE | < 0.025 | < 0.025 | < 0.026 | < 0.025 | < 0.025 | < 0.025 | NT | NT |
| Heptachlor | µg/L | 0.04 | < 0.025 | < 0.025 | < 0.026 | < 0.025 | < 0.025 | < 0.025 | NT | NT |
| Aldrin | µg/L | ND | < 0.025 | < 0.025 | < 0.026 | < 0.025 | < 0.025 | < 0.025 | NT | NT |
| Heptachlor epoxide | µg/L | 0.03 | < 0.025 | < 0.025 | < 0.026 | < 0.025 | < 0.025 | < 0.025 | NT | NT |
| Endosulfan I | µg/L | NE | < 0.025 | < 0.025 | < 0.026 | < 0.025 | < 0.025 | < 0.025 | NT | NT |
| Dieldrin | µg/L | 0.004 | < 0.025 | < 0.025 | < 0.026 | < 0.025 | < 0.025 | < 0.025 | NT | NT |
| 4,4'-DDE (p,p') | µg/L | 0.2 | < 0.025 | < 0.025 | < 0.026 | < 0.025 | < 0.025 | < 0.025 | NT | NT |
| Endrin | µg/L | ND | < 0.050 | < 0.050 | < 0.053 | < 0.050 | < 0.050 | < 0.050 | NT | NT |
| Endosulfan II | µg/L | NE | < 0.050 | < 0.050 | < 0.053 | < 0.050 | < 0.050 | < 0.050 | NT | NT |
| 4,4'-DDD (p,p') | µg/L | 0.3 | < 0.050 | < 0.050 | < 0.053 | < 0.050 | < 0.050 | < 0.050 | NT | NT |
| Endosulfan sulfate | µg/L | NE | < 0.050 | < 0.050 | < 0.053 | < 0.050 | < 0.050 | < 0.050 | NT | NT |
| 4,4'-DDT (p,p') | µg/L | 0.2 | < 0.050 | < 0.050 | < 0.053 | < 0.050 | < 0.050 | < 0.050 | NT | NT |
| Methoxychlor | µg/L | 35 | < 0.050 | < 0.050 | < 0.053 | < 0.050 | < 0.050 | < 0.050 | NT | NT |
| Endrin ketone | µg/L | 5 | < 0.050 | < 0.050 | < 0.053 | < 0.050 | < 0.050 | < 0.050 | NT | NT |
| Endrin aldehyde | µg/L | 5 | < 0.050 | < 0.050 | < 0.053 | < 0.050 | < 0.050 | < 0.050 | NT | NT |
| alpha-Chlordane | µg/L | NE | < 0.025 | < 0.025 | < 0.026 | < 0.025 | < 0.025 | < 0.025 | NT | NT |
| gamma-Chlordane | µg/L | NE | < 0.025 | < 0.025 | < 0.026 | < 0.025 | < 0.025 | < 0.025 | NT | NT |
| Toxaphene | µg/L | 0.06 | < 0.526 | < 0.526 | < 0.526 | < 0.526 | < 0.526 | < 0.526 | NT | NT |
| Chlordane | µg/L | 0.05 | < 0.250 | < 0.250 | < 0.263 | < 0.250 | < 0.250 | < 0.250 | NT | NT |
| Alachlor | µg/L | 0.5 | < 0.025 | < 0.025 | < 0.026 | < 0.025 | < 0.025 | < 0.025 | NT | NT |
| **Polychlorinated Biphenyls (SW846 8082A)** | | | | | | | | | | |
| Aroclor-1016 | µg/L | 5 | < 0.250 | < 0.250 | < 0.263 | < 0.250 | < 0.250 | < 0.250 | NT | NT |
| Aroclor-1221 | µg/L | 5 | < 0.250 | < 0.250 | < 0.263 | < 0.250 | < 0.250 | < 0.250 | NT | NT |
| Aroclor-1232 | µg/L | 5 | < 0.250 | < 0.250 | < 0.263 | < 0.250 | < 0.250 | < 0.250 | NT | NT |
| Aroclor-1242 | µg/L | 5 | < 0.250 | < 0.250 | < 0.263 | < 0.250 | < 0.250 | < 0.250 | NT | NT |
| Aroclor-1248 | µg/L | 5 | < 0.250 | < 0.250 | < 0.263 | < 0.250 | < 0.250 | < 0.250 | NT | NT |
| Aroclor-1254 | µg/L | 5 | < 0.250 | < 0.250 | < 0.263 | < 0.250 | < 0.250 | < 0.250 | NT | NT |
| Aroclor-1260 | µg/L | 5 | < 0.250 | < 0.250 | < 0.263 | < 0.250 | < 0.250 | < 0.250 | NT | NT |
| Aroclor-1262 | µg/L | 5 | < 0.250 | < 0.250 | < 0.263 | < 0.250 | < 0.250 | < 0.250 | NT | NT |
| Aroclor-1268 | µg/L | 5 | < 0.250 | < 0.250 | < 0.263 | < 0.250 | < 0.250 | < 0.250 | NT | NT |
| **Volatile Organic Compounds (SW846 8260C)** | | | | | | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | µg/L | NE | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 2.00 | NT | NT |
| Acetone | µg/L | 50 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 20.0 | NT | NT |
| Benzene | µg/L | 1 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 2.00 | NT | NT |
| Bromochloromethane | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 2.00 | NT | NT |
| Bromodichloromethane | µg/L | 50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 1.00 | NT | NT |
| Bromoform | µg/L | 50 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 2.00 | NT | NT |
| Bromomethane | µg/L | 5 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 4.00 | NT | NT |
| 2-Butanone (MEK) | µg/L | 50 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 4.00 | NT | NT |
| n-Butylbenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 2.00 | NT | NT |
| sec-Butylbenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 2.00 | NT | NT |
| tert-Butylbenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 2.00 | NT | NT |
| Carbon disulfide | µg/L | 60 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 4.00 | NT | NT |
| Carbon tetrachloride | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 2.00 | NT | NT |
| Chlorobenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 2.00 | NT | NT |
| Chloroethane | µg/L | 5 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 4.00 | NT | NT |
| Chloroform | µg/L | 7 | < 1.00 | **1.33** | < 1.00 | < 1.00 | < 1.00 | < 2.00 | NT | NT |
| Chloromethane | µg/L | NE | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 4.00 | NT | NT |
| 1,2-Dibromo-3-chloropropane | µg/L | 0.04 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 4.00 | NT | NT |
| Dibromochloromethane | µg/L | 50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 1.00 | NT | NT |

**Table 10-Groundwater Sample Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | NY Ambient Water Quality Standards and Guidance Values | SC60445-08 | SC60445-03 | SC60475-05 | SC60476-03 | SC60476-04 | SC60476-05 | SC60445-04 | SC60475-01 |
|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | | | MW-8A | MW-8B | MW-10A | MW-12A | MW-15A | MW-18B | Field Blank | FB011521 |
| Matrix: | | GA | Ground Water | Ground Water | Ground Water | Ground Water | Ground Water | Ground Water | PFAS Free Water | PFAS Free Water |
| Well Screen Depth: | | | 5-10 ft bgs | 5-10 ft bgs | 14.8-24.8 ft bgs | 25-35 ft bgs | 15.4-30.4 ft bgs | 25-30 ft bgs | | |
| Sample Date: | | | 1/13/2021 | 1/13/2021 | 1/15/2021 | 1/18/2021 | 1/18/2021 | 1/18/2021 | 1/13/2021 | 1/15/2021 |
| **Volatile Organic Compounds (SW846 8260C)** | | | | | | | | | | |
| 1,2-Dibromoethane (EDB) | µg/L | 0.0006 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 1.00 | NT | NT |
| 1,2-Dichlorobenzene | µg/L | 3 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 2.00 | NT | NT |
| 1,3-Dichlorobenzene | µg/L | 3 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 2.00 | NT | NT |
| 1,4-Dichlorobenzene | µg/L | 3 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 2.00 | NT | NT |
| Dichlorodifluoromethane (Freon12) | µg/L | 5 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 4.00 | NT | NT |
| 1,1-Dichloroethane | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 2.00 | NT | NT |
| 1,2-Dichloroethane | µg/L | 0.6 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 2.00 | NT | NT |
| 1,1-Dichloroethene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 2.00 | NT | NT |
| cis-1,2-Dichloroethene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 2.00 | NT | NT |
| trans-1,2-Dichloroethene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 2.00 | NT | NT |
| 1,2-Dichloropropane | µg/L | 1 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 2.00 | NT | NT |
| cis-1,3-Dichloropropene | µg/L | NE | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 1.00 | NT | NT |
| trans-1,3-Dichloropropene | µg/L | NE | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 1.00 | NT | NT |
| Ethylbenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 2.00 | NT | NT |
| 2-Hexanone (MBK) | µg/L | 50 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 4.00 | NT | NT |
| Isopropylbenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 2.00 | NT | NT |
| 4-Isopropyltoluene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 2.00 | NT | NT |
| Methyl tert-butyl ether | µg/L | 10 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 2.00 | NT | NT |
| 4-Methyl-2-pentanone (MIBK) | µg/L | NE | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 4.00 | NT | NT |
| Methylene chloride | µg/L | 5 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 4.00 | NT | NT |
| Naphthalene | µg/L | 10 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 4.00 | NT | NT |
| n-Propylbenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 2.00 | NT | NT |
| Styrene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 2.00 | NT | NT |
| 1,1,2,2-Tetrachloroethane | µg/L | 5 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 1.00 | NT | NT |
| Tetrachloroethene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 2.00 | NT | NT |
| Toluene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 2.00 | NT | NT |
| 1,2,3-Trichlorobenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 2.00 | NT | NT |
| 1,2,4-Trichlorobenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 2.00 | NT | NT |
| 1,1,1-Trichloroethane | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 2.00 | NT | NT |
| 1,1,2-Trichloroethane | µg/L | 1 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 2.00 | NT | NT |
| Trichloroethene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 2.00 | NT | NT |
| Trichlorofluoromethane (Freon 11) | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 2.00 | NT | NT |
| 1,2,4-Trimethylbenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 2.00 | NT | NT |
| 1,3,5-Trimethylbenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 2.00 | NT | NT |
| Vinyl chloride | µg/L | 2 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 2.00 | NT | NT |
| m,p-Xylene | µg/L | 5 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 4.00 | NT | NT |
| o-Xylene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 2.00 | NT | NT |
| Cyclohexane | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 10.0 | NT | NT |
| Methyl acetate | µg/L | NE | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 20.0 | NT | NT |
| Methylcyclohexane | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 10.0 | NT | NT |

**Table 10-Groundwater Sample Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | NY Ambient Water Quality Standards and Guidance Values | SC60445-08 | SC60445-03 | SC60475-05 | SC60476-03 | SC60476-04 | SC60476-05 | SC60445-04 | SC60475-01 |
|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | | | MW-8A | MW-8B | MW-10A | MW-12A | MW-15A | MW-18B | Field Blank | FB011521 |
| Matrix: | | | Ground Water | Ground Water | Ground Water | Ground Water | Ground Water | Ground Water | PFAS Free Water | PFAS Free Water |
| Well Screen Depth: | | GA | 5-10 ft bgs | 5-10 ft bgs | 14.8-24.8 ft bgs | 25-35 ft bgs | 15.4-30.4 ft bgs | 25-30 ft bgs | | |
| Sample Date: | | | 1/13/2021 | 1/13/2021 | 1/15/2021 | 1/18/2021 | 1/18/2021 | 1/18/2021 | 1/13/2021 | 1/15/2021 |
| **Semi-Volatile Organic Compounds (SW846 8270D/8270E)** | | | | | | | | | | |
| Acenaphthene | µg/L | 20 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| Acenaphthylene | µg/L | NE | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| Aniline | µg/L | 5 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| Anthracene | µg/L | 50 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| Azobenzene/Diphenyldiazene | µg/L | 5 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| Benzidine | µg/L | 5 | < 10.0 | < 10.0 | < 10.5 | < 10.0 | < 10.0 | < 10.0 | NT | NT |
| Benzo (a) anthracene | µg/L | 0.002 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| Benzo (a) pyrene | µg/L | NE | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| Benzo (b) fluoranthene | µg/L | 0.002 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| Benzo (g,h,i) perylene | µg/L | NE | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| Benzo (k) fluoranthene | µg/L | 0.002 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| Benzoic acid | µg/L | NE | < 10.0 | < 10.0 | < 10.5 | < 10.0 | < 10.0 | < 10.0 | NT | NT |
| Benzyl alcohol | µg/L | NE | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| Bis(2-chloroethoxy)methane | µg/L | 5 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| Bis(2-chloroethyl)ether | µg/L | 1 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| Bis(2-chloroisopropyl)ether | µg/L | NE | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| Bis(2-ethylhexyl)phthalate | µg/L | 5 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| 4-Bromophenyl phenyl ether | µg/L | NE | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| Butyl benzyl phthalate | µg/L | 50 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| Carbazole | µg/L | NE | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| 4-Chloro-3-methylphenol | µg/L | NE | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| 4-Chloroaniline | µg/L | 5 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| 2-Chloronaphthalene | µg/L | 10 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| 2-Chlorophenol | µg/L | NE | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| 4-Chlorophenyl phenyl ether | µg/L | NE | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| Chrysene | µg/L | 0.002 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| Dibenzo (a,h) anthracene | µg/L | NE | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| Dibenzofuran | µg/L | NE | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| 1,2-Dichlorobenzene | µg/L | 3 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| 1,3-Dichlorobenzene | µg/L | 3 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| 1,4-Dichlorobenzene | µg/L | 3 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| 3,3´-Dichlorobenzidine | µg/L | 5 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| 2,4-Dichlorophenol | µg/L | 5 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| Diethyl phthalate | µg/L | 50 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| Dimethyl phthalate | µg/L | 50 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| 2,4-Dimethylphenol | µg/L | 50 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| Di-n-butyl phthalate | µg/L | 50 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| 4,6-Dinitro-2-methylphenol | µg/L | NE | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| 2,4-Dinitrophenol | µg/L | 10 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| 2,4-Dinitrotoluene | µg/L | 5 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| 2,6-Dinitrotoluene | µg/L | 5 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| Di-n-octyl phthalate | µg/L | 50 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| Fluoranthene | µg/L | 50 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| Fluorene | µg/L | 50 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| Hexachlorobenzene | µg/L | 0.04 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| Hexachlorobutadiene | µg/L | 0.5 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| Hexachlorocyclopentadiene | µg/L | 5 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| Hexachloroethane | µg/L | 5 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| Indeno (1,2,3-cd) pyrene | µg/L | 0.002 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| Isophorone | µg/L | 50 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| 2-Methylnaphthalene | µg/L | NE | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| 2-Methylphenol | µg/L | NE | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| 3 & 4-Methylphenol | µg/L | NE | < 10.0 | < 10.0 | < 10.5 | < 10.0 | < 10.0 | < 10.0 | NT | NT |

**Table 10-Groundwater Sample Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | NY Ambient Water Quality Standards and Guidance Values | SC60445-08 | SC60445-03 | SC60475-05 | SC60476-03 | SC60476-04 | SC60476-05 | SC60445-04 | SC60475-01 |
|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | | | MW-8A | MW-8B | MW-10A | MW-12A | MW-15A | MW-18B | Field Blank | FB011521 |
| Matrix: | | | Ground Water | Ground Water | Ground Water | Ground Water | Ground Water | Ground Water | PFAS Free Water | PFAS Free Water |
| Well Screen Depth: | | GA | 5-10 ft bgs | 5-10 ft bgs | 14.8-24.8 ft bgs | 25-35 ft bgs | 15.4-30.4 ft bgs | 25-30 ft bgs | | |
| Sample Date: | | | 1/13/2021 | 1/13/2021 | 1/15/2021 | 1/18/2021 | 1/18/2021 | 1/18/2021 | 1/13/2021 | 1/15/2021 |
| **Semi-Volatile Organic Compounds (SW846 8270D/8270E)** | | | | | | | | | | |
| Naphthalene | µg/L | 10 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| 2-Nitroaniline | µg/L | 5 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| 3-Nitroaniline | µg/L | 5 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| 4-Nitroaniline | µg/L | 5 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| Nitrobenzene | µg/L | 0.4 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| 2-Nitrophenol | µg/L | NE | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| 4-Nitrophenol | µg/L | NE | < 20.0 | < 20.0 | < 21.1 | < 20.0 | < 20.0 | < 20.0 | NT | NT |
| N-Nitrosodimethylamine | µg/L | NE | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| N-Nitrosodi-n-propylamine | µg/L | NE | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| N-Nitrosodiphenylamine | µg/L | NE | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| Pentachlorophenol | µg/L | 1 | < 20.0 | < 20.0 | < 21.1 | < 20.0 | < 20.0 | < 20.0 | NT | NT |
| Phenanthrene | µg/L | 50 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| Phenol | µg/L | 1 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| Pyrene | µg/L | 50 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| Pyridine | µg/L | 50 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| 1,2,4-Trichlorobenzene | µg/L | 5 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| 1-Methylnaphthalene | µg/L | NE | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| 2,4,5-Trichlorophenol | µg/L | NE | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| 2,4,6-Trichlorophenol | µg/L | NE | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| Pentachloronitrobenzene | µg/L | ND | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| 1,2,4,5-Tetrachlorobenzene | µg/L | 5 | < 5.00 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | < 5.00 | NT | NT |
| 1,4-Dioxane | µg/L | 1 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | NT | NT |
| **Classical Chemistry (SW846 9012B)** | | | | | | | | | | |
| Cyanide, Total | mg/L | 0.2 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | NT | NT |

Notes
1. "<" indicates the parameter is not detected.
2."NE" indicates a standard for the parameter is not established.
3. "NT" indicates that the parameter was not tested for.
4. Bold values indicate the constituent was detected above the laboratory reporting limit. Yellow highlight indicates an exceedance of NY's GA Ambient Water Quality Standards and Guidance Values. Orange highlight indicates an exceedance of the USEPAs PFOS+PFOA Drinking Water Health Advisory.
5. "BD" indicates the soil sample is a blind duplicate sample.
6. "J" indicates the result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
7. Phenolic compound criteria apply to total phenols.
8. NYSDEC Screening Levels and United States Environmental Protection Agency Drinking Water Health Advisory for PFOA and PFAS. A guidance value of 100 ng/L was used for any PFAS compound (excluding PFOS and PFOA) and a guidance value of 500 ng/L was used for total PFAS, as described in NYDEC's Sampling, Analysis and Assessment of Per- and Polyfluoroalkyl Substances (PFAS), dated January 2021.

**Table 10-Groundwater Sample Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | NY Ambient Water Quality Standards and Guidance Values | SC60476-02 | SC60496-02 | SC60466-02 | SC60445-05 | SC60466-01 | SC60476-01 | SC60496-01 |
|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | | | FB011821 | FB011921 | EB011421 (From Bailer) | Trip Blank | Trip Blank | TB | TB |
| Matrix: | | GA | PFAS Free Water | PFAS Free Water | PFAS Free Water | Trip Blank | Trip Blank | Trip Blank | Trip Blank |
| Well Screen Depth: | | | | | | | | | |
| Sample Date: | | | 1/18/2021 | 1/19/2021 | 1/14/2021 | 1/13/2021 | 1/14/2021 | 1/18/2021 | 1/19/2021 |
| **Per- and Polyfluoroalkyl Substances (EPA PFC_IDA)** | | | | | | | | | |
| 1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2) | ng/L | 100 | < 1.76 | < 1.88 | < 1.67 | NT | NT | NT | NT |
| 1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2) | ng/L | 100 | < 4.40 | < 4.69 | < 4.18 | NT | NT | NT | NT |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtF) | ng/L | 100 | < 4.40 | < 4.69 | **0.84 J** | NT | NT | NT | NT |
| N-methylperfluorooctanesulfonamidoacetic acid (Nme) | ng/L | 100 | < 4.40 | < 4.69 | < 4.18 | NT | NT | NT | NT |
| Perfluorobutanesulfonic acid (PFBS) | ng/L | 100 | < 1.76 | < 1.88 | < 1.67 | NT | NT | NT | NT |
| Perfluorobutanoic acid (PFBA) | ng/L | 100 | < 4.40 | < 4.69 | < 4.18 | NT | NT | NT | NT |
| Perfluorodecanesulfonic acid (PFDS) | ng/L | 100 | < 1.76 | < 1.88 | < 1.67 | NT | NT | NT | NT |
| Perfluorodecanoic acid (PFDA) | ng/L | 100 | < 1.76 | < 1.88 | < 1.67 | NT | NT | NT | NT |
| Perfluorododecanoic acid (PFDoA) | ng/L | 100 | < 1.76 | < 1.88 | < 1.67 | NT | NT | NT | NT |
| Perfluoroheptanesulfonic Acid (PFHpS) | ng/L | 100 | < 1.76 | < 1.88 | < 1.67 | NT | NT | NT | NT |
| Perfluoroheptanoic acid (PFHpA) | ng/L | 100 | < 1.76 | < 1.88 | < 1.67 | NT | NT | NT | NT |
| Perfluorohexanesulfonic acid (PFHxS) | ng/L | 100 | < 1.76 | < 1.88 | < 1.67 | NT | NT | NT | NT |
| Perfluorohexanoic acid (PFHxA) | ng/L | 100 | < 1.76 | < 1.88 | < 1.67 | NT | NT | NT | NT |
| Perfluorononanoic acid (PFNA) | ng/L | 100 | < 1.76 | < 1.88 | < 1.67 | NT | NT | NT | NT |
| Perfluorooctanesulfonamide (PFOSA) | ng/L | 100 | < 1.76 | < 1.88 | < 1.67 | NT | NT | NT | NT |
| Perfluorooctanesulfonic acid (PFOS) | ng/L | 10 | < 1.76 | < 1.88 | < 1.67 | NT | NT | NT | NT |
| Perfluorooctanoic acid (PFOA) | ng/L | 10 | < 1.76 | < 1.88 | < 1.67 | NT | NT | NT | NT |
| Perfluoropentanoic acid (PFPeA) | ng/L | 100 | < 1.76 | < 1.88 | < 1.67 | NT | NT | NT | NT |
| Perfluorotetradecanoic acid (PFTeA) | ng/L | 100 | < 1.76 | < 1.88 | < 1.67 | NT | NT | NT | NT |
| Perfluorotridecanoic acid (PFTriA) | ng/L | 100 | < 1.76 | < 1.88 | < 1.67 | NT | NT | NT | NT |
| Perfluoroundecanoic acid (PFUnA) | ng/L | 100 | < 1.76 | < 1.88 | < 1.67 | NT | NT | NT | NT |
| PFOS and PFOA | ng/L | 70 [8] | < 1.76 | < 1.88 | 0 | NT | NT | NT | NT |
| Total PFAS | ng/L | 500 | < 1.76 | < 1.88 | **0.84** | NT | NT | NT | NT |
| **Metals (SW846 6010C/7196A,EPA 245.1/7470A)** | | | | | | | | | |
| Silver | mg/L | 0.05 | NT | NT | NT | NT | NT | NT | NT |
| Aluminum | mg/L | NE | NT | NT | NT | NT | NT | NT | NT |
| Arsenic | mg/L | 0.025 | NT | NT | NT | NT | NT | NT | NT |
| Barium | mg/L | 1 | NT | NT | NT | NT | NT | NT | NT |
| Beryllium | mg/L | 0.003 | NT | NT | NT | NT | NT | NT | NT |
| Calcium | mg/L | NE | NT | NT | NT | NT | NT | NT | NT |
| Cobalt | mg/L | NE | NT | NT | NT | NT | NT | NT | NT |
| Cadmium | mg/L | 0.005 | NT | NT | NT | NT | NT | NT | NT |
| Chromium | mg/L | 0.05 | NT | NT | NT | NT | NT | NT | NT |
| Copper | mg/L | 0.2 | NT | NT | NT | NT | NT | NT | NT |
| Iron | mg/L | 0.3 | NT | NT | NT | NT | NT | NT | NT |
| Potassium | mg/L | NE | NT | NT | NT | NT | NT | NT | NT |
| Magnesium | mg/L | 35 | NT | NT | NT | NT | NT | NT | NT |
| Manganese | mg/L | 0.3 | NT | NT | NT | NT | NT | NT | NT |
| Sodium | mg/L | 20 | NT | NT | NT | NT | NT | NT | NT |
| Nickel | mg/L | 0.1 | NT | NT | NT | NT | NT | NT | NT |
| Lead | mg/L | 0.025 | NT | NT | NT | NT | NT | NT | NT |
| Antimony | mg/L | 0.003 | NT | NT | NT | NT | NT | NT | NT |
| Selenium | mg/L | 0.01 | NT | NT | NT | NT | NT | NT | NT |
| Thallium | mg/L | 0.0005 | NT | NT | NT | NT | NT | NT | NT |
| Vanadium | mg/L | NE | NT | NT | NT | NT | NT | NT | NT |
| Zinc | mg/L | 2 | NT | NT | NT | NT | NT | NT | NT |
| Cr (VI) | µg/L | 50 | NT | NT | NT | NT | NT | NT | NT |
| Mercury | mg/L | 0.0007 | NT | NT | NT | NT | NT | NT | NT |

**Table 10-Groundwater Sample Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | NY Ambient Water Quality Standards and Guidance Values | SC60476-02 | SC60496-02 | SC60466-02 | SC60445-05 | SC60466-01 | SC60476-01 | SC60496-01 |
|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | | | FB011821 | FB011921 | EB011421 (From Bailer) | Trip Blank | Trip Blank | TB | TB |
| Matrix: | | GA | PFAS Free Water | PFAS Free Water | PFAS Free Water | Trip Blank | Trip Blank | Trip Blank | Trip Blank |
| Well Screen Depth: | | | | | | | | | |
| Sample Date: | | | 1/18/2021 | 1/19/2021 | 1/14/2021 | 1/13/2021 | 1/14/2021 | 1/18/2021 | 1/19/2021 |
| **Pesticides (SW846 8081B)** | | | | | | | | | |
| alpha-BHC | µg/L | NE | NT | NT | NT | NT | NT | NT | NT |
| beta-BHC | µg/L | NE | NT | NT | NT | NT | NT | NT | NT |
| delta-BHC | µg/L | NE | NT | NT | NT | NT | NT | NT | NT |
| gamma-BHC (Lindane) | µg/L | NE | NT | NT | NT | NT | NT | NT | NT |
| Heptachlor | µg/L | 0.04 | NT | NT | NT | NT | NT | NT | NT |
| Aldrin | µg/L | ND | NT | NT | NT | NT | NT | NT | NT |
| Heptachlor epoxide | µg/L | 0.03 | NT | NT | NT | NT | NT | NT | NT |
| Endosulfan I | µg/L | NE | NT | NT | NT | NT | NT | NT | NT |
| Dieldrin | µg/L | 0.004 | NT | NT | NT | NT | NT | NT | NT |
| 4,4'-DDE (p,p') | µg/L | 0.2 | NT | NT | NT | NT | NT | NT | NT |
| Endrin | µg/L | ND | NT | NT | NT | NT | NT | NT | NT |
| Endosulfan II | µg/L | NE | NT | NT | NT | NT | NT | NT | NT |
| 4,4'-DDD (p,p') | µg/L | 0.3 | NT | NT | NT | NT | NT | NT | NT |
| Endosulfan sulfate | µg/L | NE | NT | NT | NT | NT | NT | NT | NT |
| 4,4'-DDT (p,p') | µg/L | 0.2 | NT | NT | NT | NT | NT | NT | NT |
| Methoxychlor | µg/L | 35 | NT | NT | NT | NT | NT | NT | NT |
| Endrin ketone | µg/L | 5 | NT | NT | NT | NT | NT | NT | NT |
| Endrin aldehyde | µg/L | 5 | NT | NT | NT | NT | NT | NT | NT |
| alpha-Chlordane | µg/L | NE | NT | NT | NT | NT | NT | NT | NT |
| gamma-Chlordane | µg/L | NE | NT | NT | NT | NT | NT | NT | NT |
| Toxaphene | µg/L | 0.06 | NT | NT | NT | NT | NT | NT | NT |
| Chlordane | µg/L | 0.05 | NT | NT | NT | NT | NT | NT | NT |
| Alachlor | µg/L | 0.5 | NT | NT | NT | NT | NT | NT | NT |
| **Polychlorinated Biphenyls (SW846 8082A)** | | | | | | | | | |
| Aroclor-1016 | µg/L | 5 | NT | NT | NT | NT | NT | NT | NT |
| Aroclor-1221 | µg/L | 5 | NT | NT | NT | NT | NT | NT | NT |
| Aroclor-1232 | µg/L | 5 | NT | NT | NT | NT | NT | NT | NT |
| Aroclor-1242 | µg/L | 5 | NT | NT | NT | NT | NT | NT | NT |
| Aroclor-1248 | µg/L | 5 | NT | NT | NT | NT | NT | NT | NT |
| Aroclor-1254 | µg/L | 5 | NT | NT | NT | NT | NT | NT | NT |
| Aroclor-1260 | µg/L | 5 | NT | NT | NT | NT | NT | NT | NT |
| Aroclor-1262 | µg/L | 5 | NT | NT | NT | NT | NT | NT | NT |
| Aroclor-1268 | µg/L | 5 | NT | NT | NT | NT | NT | NT | NT |
| **Volatile Organic Compounds (SW846 8260C)** | | | | | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | µg/L | NE | NT | NT | NT | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Acetone | µg/L | 50 | NT | NT | NT | < 10.0 | < 10.0 | < 10.0 | < 10.0 |
| Benzene | µg/L | 1 | NT | NT | NT | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Bromochloromethane | µg/L | 5 | NT | NT | NT | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Bromodichloromethane | µg/L | 50 | NT | NT | NT | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Bromoform | µg/L | 50 | NT | NT | NT | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Bromomethane | µg/L | 5 | NT | NT | NT | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| 2-Butanone (MEK) | µg/L | 50 | NT | NT | NT | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| n-Butylbenzene | µg/L | 5 | NT | NT | NT | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| sec-Butylbenzene | µg/L | 5 | NT | NT | NT | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| tert-Butylbenzene | µg/L | 5 | NT | NT | NT | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Carbon disulfide | µg/L | 60 | NT | NT | NT | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| Carbon tetrachloride | µg/L | 5 | NT | NT | NT | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Chlorobenzene | µg/L | 5 | NT | NT | NT | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Chloroethane | µg/L | 5 | NT | NT | NT | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| Chloroform | µg/L | 7 | NT | NT | NT | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Chloromethane | µg/L | NE | NT | NT | NT | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| 1,2-Dibromo-3-chloropropane | µg/L | 0.04 | NT | NT | NT | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| Dibromochloromethane | µg/L | 50 | NT | NT | NT | < 0.50 | < 0.50 | < 0.50 | < 0.50 |

**Table 10-Groundwater Sample Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | NY Ambient Water Quality Standards and Guidance Values | SC60476-02 | SC60496-02 | SC60466-02 | SC60445-05 | SC60466-01 | SC60476-01 | SC60496-01 |
|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | | | FB011821 | FB011921 | EB011421 (From Bailer) | Trip Blank | Trip Blank | TB | TB |
| Matrix: | | GA | PFAS Free Water | PFAS Free Water | PFAS Free Water | Trip Blank | Trip Blank | Trip Blank | Trip Blank |
| Well Screen Depth: | | | | | | | | | |
| Sample Date: | | | 1/18/2021 | 1/19/2021 | 1/14/2021 | 1/13/2021 | 1/14/2021 | 1/18/2021 | 1/19/2021 |
| **Volatile Organic Compounds (SW846 8260C)** | | | | | | | | | |
| 1,2-Dibromoethane (EDB) | µg/L | 0.0006 | NT | NT | NT | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| 1,2-Dichlorobenzene | µg/L | 3 | NT | NT | NT | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,3-Dichlorobenzene | µg/L | 3 | NT | NT | NT | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,4-Dichlorobenzene | µg/L | 3 | NT | NT | NT | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Dichlorodifluoromethane (Freon12) | µg/L | 5 | NT | NT | NT | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| 1,1-Dichloroethane | µg/L | 5 | NT | NT | NT | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,2-Dichloroethane | µg/L | 0.6 | NT | NT | NT | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,1-Dichloroethene | µg/L | 5 | NT | NT | NT | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| cis-1,2-Dichloroethene | µg/L | 5 | NT | NT | NT | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| trans-1,2-Dichloroethene | µg/L | 5 | NT | NT | NT | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,2-Dichloropropane | µg/L | 1 | NT | NT | NT | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| cis-1,3-Dichloropropene | µg/L | NE | NT | NT | NT | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| trans-1,3-Dichloropropene | µg/L | NE | NT | NT | NT | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Ethylbenzene | µg/L | 5 | NT | NT | NT | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 2-Hexanone (MBK) | µg/L | 50 | NT | NT | NT | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| Isopropylbenzene | µg/L | 5 | NT | NT | NT | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 4-Isopropyltoluene | µg/L | 5 | NT | NT | NT | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Methyl tert-butyl ether | µg/L | 10 | NT | NT | NT | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 4-Methyl-2-pentanone (MIBK) | µg/L | NE | NT | NT | NT | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| Methylene chloride | µg/L | 5 | NT | NT | NT | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| Naphthalene | µg/L | 10 | NT | NT | NT | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| n-Propylbenzene | µg/L | 5 | NT | NT | NT | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Styrene | µg/L | 5 | NT | NT | NT | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,1,2,2-Tetrachloroethane | µg/L | 5 | NT | NT | NT | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Tetrachloroethene | µg/L | 5 | NT | NT | NT | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Toluene | µg/L | 5 | NT | NT | NT | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,2,3-Trichlorobenzene | µg/L | 5 | NT | NT | NT | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,2,4-Trichlorobenzene | µg/L | 5 | NT | NT | NT | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,1,1-Trichloroethane | µg/L | 5 | NT | NT | NT | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,1,2-Trichloroethane | µg/L | 1 | NT | NT | NT | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Trichloroethene | µg/L | 5 | NT | NT | NT | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Trichlorofluoromethane (Freon 11) | µg/L | 5 | NT | NT | NT | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,2,4-Trimethylbenzene | µg/L | 5 | NT | NT | NT | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,3,5-Trimethylbenzene | µg/L | 5 | NT | NT | NT | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Vinyl chloride | µg/L | 2 | NT | NT | NT | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| m,p-Xylene | µg/L | 5 | NT | NT | NT | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| o-Xylene | µg/L | 5 | NT | NT | NT | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Cyclohexane | µg/L | NE | NT | NT | NT | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Methyl acetate | µg/L | NE | NT | NT | NT | < 10.0 | < 10.0 | < 10.0 | < 10.0 |
| Methylcyclohexane | µg/L | NE | NT | NT | NT | < 5.00 | < 5.00 | < 5.00 | < 5.00 |

**Table 10-Groundwater Sample Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | NY Ambient Water Quality Standards and Guidance Values | SC60476-02 | SC60496-02 | SC60466-02 | SC60445-05 | SC60466-01 | SC60476-01 | SC60496-01 |
|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | | | FB011821 | FB011921 | EB011421 (From Bailer) | Trip Blank | Trip Blank | TB | TB |
| Matrix: | | GA | PFAS Free Water | PFAS Free Water | PFAS Free Water | Trip Blank | Trip Blank | Trip Blank | Trip Blank |
| Well Screen Depth: | | | | | | | | | |
| Sample Date: | | | 1/18/2021 | 1/19/2021 | 1/14/2021 | 1/13/2021 | 1/14/2021 | 1/18/2021 | 1/19/2021 |
| **Semi-Volatile Organic Compounds (SW846 8270D/8270E)** | | | | | | | | | |
| Acenaphthene | µg/L | 20 | NT | NT | NT | NT | NT | NT | NT |
| Acenaphthylene | µg/L | NE | NT | NT | NT | NT | NT | NT | NT |
| Aniline | µg/L | 5 | NT | NT | NT | NT | NT | NT | NT |
| Anthracene | µg/L | 50 | NT | NT | NT | NT | NT | NT | NT |
| Azobenzene/Diphenyldiazene | µg/L | 5 | NT | NT | NT | NT | NT | NT | NT |
| Benzidine | µg/L | 5 | NT | NT | NT | NT | NT | NT | NT |
| Benzo (a) anthracene | µg/L | 0.002 | NT | NT | NT | NT | NT | NT | NT |
| Benzo (a) pyrene | µg/L | NE | NT | NT | NT | NT | NT | NT | NT |
| Benzo (b) fluoranthene | µg/L | 0.002 | NT | NT | NT | NT | NT | NT | NT |
| Benzo (g,h,i) perylene | µg/L | NE | NT | NT | NT | NT | NT | NT | NT |
| Benzo (k) fluoranthene | µg/L | 0.002 | NT | NT | NT | NT | NT | NT | NT |
| Benzoic acid | µg/L | NE | NT | NT | NT | NT | NT | NT | NT |
| Benzyl alcohol | µg/L | NE | NT | NT | NT | NT | NT | NT | NT |
| Bis(2-chloroethoxy)methane | µg/L | 5 | NT | NT | NT | NT | NT | NT | NT |
| Bis(2-chloroethyl)ether | µg/L | 1 | NT | NT | NT | NT | NT | NT | NT |
| Bis(2-chloroisopropyl)ether | µg/L | NE | NT | NT | NT | NT | NT | NT | NT |
| Bis(2-ethylhexyl)phthalate | µg/L | 5 | NT | NT | NT | NT | NT | NT | NT |
| 4-Bromophenyl phenyl ether | µg/L | NE | NT | NT | NT | NT | NT | NT | NT |
| Butyl benzyl phthalate | µg/L | 50 | NT | NT | NT | NT | NT | NT | NT |
| Carbazole | µg/L | NE | NT | NT | NT | NT | NT | NT | NT |
| 4-Chloro-3-methylphenol | µg/L | NE | NT | NT | NT | NT | NT | NT | NT |
| 4-Chloroaniline | µg/L | 5 | NT | NT | NT | NT | NT | NT | NT |
| 2-Chloronaphthalene | µg/L | 10 | NT | NT | NT | NT | NT | NT | NT |
| 2-Chlorophenol | µg/L | NE | NT | NT | NT | NT | NT | NT | NT |
| 4-Chlorophenyl phenyl ether | µg/L | NE | NT | NT | NT | NT | NT | NT | NT |
| Chrysene | µg/L | 0.002 | NT | NT | NT | NT | NT | NT | NT |
| Dibenzo (a,h) anthracene | µg/L | NE | NT | NT | NT | NT | NT | NT | NT |
| Dibenzofuran | µg/L | NE | NT | NT | NT | NT | NT | NT | NT |
| 1,2-Dichlorobenzene | µg/L | 3 | NT | NT | NT | NT | NT | NT | NT |
| 1,3-Dichlorobenzene | µg/L | 3 | NT | NT | NT | NT | NT | NT | NT |
| 1,4-Dichlorobenzene | µg/L | 3 | NT | NT | NT | NT | NT | NT | NT |
| 3,3´-Dichlorobenzidine | µg/L | 5 | NT | NT | NT | NT | NT | NT | NT |
| 2,4-Dichlorophenol | µg/L | 5 | NT | NT | NT | NT | NT | NT | NT |
| Diethyl phthalate | µg/L | 50 | NT | NT | NT | NT | NT | NT | NT |
| Dimethyl phthalate | µg/L | 50 | NT | NT | NT | NT | NT | NT | NT |
| 2,4-Dimethylphenol | µg/L | 50 | NT | NT | NT | NT | NT | NT | NT |
| Di-n-butyl phthalate | µg/L | 50 | NT | NT | NT | NT | NT | NT | NT |
| 4,6-Dinitro-2-methylphenol | µg/L | NE | NT | NT | NT | NT | NT | NT | NT |
| 2,4-Dinitrophenol | µg/L | 10 | NT | NT | NT | NT | NT | NT | NT |
| 2,4-Dinitrotoluene | µg/L | 5 | NT | NT | NT | NT | NT | NT | NT |
| 2,6-Dinitrotoluene | µg/L | 5 | NT | NT | NT | NT | NT | NT | NT |
| Di-n-octyl phthalate | µg/L | 50 | NT | NT | NT | NT | NT | NT | NT |
| Fluoranthene | µg/L | 50 | NT | NT | NT | NT | NT | NT | NT |
| Fluorene | µg/L | 50 | NT | NT | NT | NT | NT | NT | NT |
| Hexachlorobenzene | µg/L | 0.04 | NT | NT | NT | NT | NT | NT | NT |
| Hexachlorobutadiene | µg/L | 0.5 | NT | NT | NT | NT | NT | NT | NT |
| Hexachlorocyclopentadiene | µg/L | 5 | NT | NT | NT | NT | NT | NT | NT |
| Hexachloroethane | µg/L | 5 | NT | NT | NT | NT | NT | NT | NT |
| Indeno (1,2,3-cd) pyrene | µg/L | 0.002 | NT | NT | NT | NT | NT | NT | NT |
| Isophorone | µg/L | 50 | NT | NT | NT | NT | NT | NT | NT |
| 2-Methylnaphthalene | µg/L | NE | NT | NT | NT | NT | NT | NT | NT |
| 2-Methylphenol | µg/L | NE | NT | NT | NT | NT | NT | NT | NT |
| 3 & 4-Methylphenol | µg/L | NE | NT | NT | NT | NT | NT | NT | NT |

**Table 10-Groundwater Sample Results**
**South Fork Export Cable-Town Roads**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | NY Ambient Water Quality Standards and Guidance Values | SC60476-02 | SC60496-02 | SC60466-02 | SC60445-05 | SC60466-01 | SC60476-01 | SC60496-01 |
|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | | | FB011821 | FB011921 | EB011421 (From Bailer) | Trip Blank | Trip Blank | TB | TB |
| Matrix: | | GA | PFAS Free Water | PFAS Free Water | PFAS Free Water | Trip Blank | Trip Blank | Trip Blank | Trip Blank |
| Well Screen Depth: | | | | | | | | | |
| Sample Date: | | | 1/18/2021 | 1/19/2021 | 1/14/2021 | 1/13/2021 | 1/14/2021 | 1/18/2021 | 1/19/2021 |
| **Semi-Volatile Organic Compounds (SW846 8270D/8270E)** | | | | | | | | | |
| Naphthalene | µg/L | 10 | NT | NT | NT | NT | NT | NT | NT |
| 2-Nitroaniline | µg/L | 5 | NT | NT | NT | NT | NT | NT | NT |
| 3-Nitroaniline | µg/L | 5 | NT | NT | NT | NT | NT | NT | NT |
| 4-Nitroaniline | µg/L | 5 | NT | NT | NT | NT | NT | NT | NT |
| Nitrobenzene | µg/L | 0.4 | NT | NT | NT | NT | NT | NT | NT |
| 2-Nitrophenol | µg/L | NE | NT | NT | NT | NT | NT | NT | NT |
| 4-Nitrophenol | µg/L | NE | NT | NT | NT | NT | NT | NT | NT |
| N-Nitrosodimethylamine | µg/L | NE | NT | NT | NT | NT | NT | NT | NT |
| N-Nitrosodi-n-propylamine | µg/L | NE | NT | NT | NT | NT | NT | NT | NT |
| N-Nitrosodiphenylamine | µg/L | NE | NT | NT | NT | NT | NT | NT | NT |
| Pentachlorophenol | µg/L | 1 | NT | NT | NT | NT | NT | NT | NT |
| Phenanthrene | µg/L | 50 | NT | NT | NT | NT | NT | NT | NT |
| Phenol | µg/L | 1 | NT | NT | NT | NT | NT | NT | NT |
| Pyrene | µg/L | 50 | NT | NT | NT | NT | NT | NT | NT |
| Pyridine | µg/L | 50 | NT | NT | NT | NT | NT | NT | NT |
| 1,2,4-Trichlorobenzene | µg/L | 5 | NT | NT | NT | NT | NT | NT | NT |
| 1-Methylnaphthalene | µg/L | NE | NT | NT | NT | NT | NT | NT | NT |
| 2,4,5-Trichlorophenol | µg/L | NE | NT | NT | NT | NT | NT | NT | NT |
| 2,4,6-Trichlorophenol | µg/L | NE | NT | NT | NT | NT | NT | NT | NT |
| Pentachloronitrobenzene | µg/L | ND | NT | NT | NT | NT | NT | NT | NT |
| 1,2,4,5-Tetrachlorobenzene | µg/L | 5 | NT | NT | NT | NT | NT | NT | NT |
| 1,4-Dioxane | µg/L | 1 | NT | NT | NT | NT | NT | NT | NT |
| **Classical Chemistry (SW846 9012B)** | | | | | | | | | |
| Cyanide, Total | mg/L | 0.2 | NT | NT | NT | NT | NT | NT | NT |

Notes
1. "<" indicates the parameter is not detected.
2."NE" indicates a standard for the parameter is not established.
3. "NT" indicates that the parameter was not tested for.
4. Bold values indicate the constituent was detected above the laboratory reporting limit. Yellow highlight indicates an exceedance of NY's GA Ambient Water Quality Standards and Guidance Values. Orange highlight indicates an exceedance of the USEPAs PFOS+PFOA Drinking Water Health Advisory.
5. "BD" indicates the soil sample is a blind duplicate sample.
6. "J" indicates the result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
7. Phenolic compound criteria apply to total phenols.
8. NYSDEC Screening Levels and United States Environmental Protection Agency Drinking Water Health Advisory for PFOA and PFAS. A guidance value of 100 ng/L was used for any PFAS compound (excluding PFOS and PFOA) and a guidance value of 500 ng/L was used for total PFAS, as described in NYDEC's Sampling, Analysis and Assessment of Per- and Polyfluoroalkyl Substances (PFAS), dated January 2021.

**Table 11-Volatile Organic Compound Results**
**South Fork Export Cable-Substation**
**GZA Job No. 41.0162804.02**

| Lab ID: | | | | | | | | SC60534-01 | SC60534-02 | SC60534-03 | SC60534-04 | SC60534-05 | SC60534-11 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | UNITS | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | SB-32A-1 | SB-32A-2 | SB-32B-1 | SB-33A | SB-33B | |
| Matrix: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | Protection of GW | Grab Soil | Grab Soil | Grab Soil | Grab Soil | Grab Soil | Grab Soil - BD |
| Sample Depth: | | | | | | | | 5 ft | 10 ft | 6 ft | 10 ft | 13 ft | 13 ft |
| Sample Date: | | | | | | | | 1/20/2021 | 1/20/2021 | 1/20/2021 | 1/20/2021 | 1/20/2021 | 1/20/2021 |
| **TCLP Volatile Organic Compounds (SW846 1311/8260C)** | | | | | | | | | | | | | |
| Benzene | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | < 10.0 | < 10.0 |
| 2-Butanone (MEK) | µg/L | NE | NE | NE | NE | NE | NE | NT | < 20.0 | NT | NT | < 20.0 | < 20.0 |
| Carbon tetrachloride | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | < 10.0 | < 10.0 |
| Chlorobenzene | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | < 10.0 | < 10.0 |
| Chloroform | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | < 10.0 | < 10.0 |
| 1,2-Dichloroethane | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | < 10.0 | < 10.0 |
| 1,1-Dichloroethene | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | < 10.0 | < 10.0 |
| Tetrachloroethene | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | < 10.0 | < 10.0 |
| Trichloroethene | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | < 10.0 | < 10.0 |
| Vinyl chloride | µg/L | NE | NE | NE | NE | NE | NE | NT | < 10.0 | NT | NT | < 10.0 | < 10.0 |
| **Volatile Organic Compounds (SW846 8260D)** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | ug/kg | 100000 | 100000 | 500000 | 1000000 | 680 | 680 | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| 1,1,2,2-Tetrachloroethane | ug/kg | 35000 | NE | NE | NE | NE | 600 | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon) | ug/kg | 100000 | NE | NE | NE | NE | 6000 | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| 1,1,2-Trichloroethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| 1,1-Dichloroethane | ug/kg | 19000 | 26000 | 240000 | 480000 | 270 | 270 | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| 1,1-Dichloroethene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 330 | 330 | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| 1,2,3-Trichlorobenzene | ug/kg | NE | NE | NE | NE | NE | NE | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| 1,2,4-Trichlorobenzene | ug/kg | NE | NE | NE | NE | NE | 3400 | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| 1,2,4-Trimethylbenzene | ug/kg | 47000 | 52000 | 190000 | 380000 | 3600 | 3600 | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| 1,2-Dibromo-3-Chloropropane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| 1,2-Dichlorobenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 1100 | 1100 | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| 1,2-Dichloroethane | ug/kg | 2300 | 3100 | 30000 | 60000 | 20 | 20 | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| 1,2-Dichloropropane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| 1,3,5-Trimethylbenzene | ug/kg | 47000 | 52000 | 190000 | 380000 | 8400 | 8400 | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| 1,3-Dichlorobenzene | ug/kg | 17000 | 49000 | 280000 | 560000 | 2400 | 2400 | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| 1,4-Dichlorobenzene | ug/kg | 9800 | 13000 | 130000 | 250000 | 1800 | 1800 | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| 2-Butanone (MEK) | ug/kg | 100000 | 100000 | 500000 | 1000000 | 120 | 120 | < 5.1 | < 5.8 | < 5.0 | < 5.6 | < 5.7 | < 6.1 |
| 2-Hexanone | ug/kg | NE | NE | NE | NE | NE | NE | < 5.1 | < 5.8 | < 5.0 | < 5.6 | < 5.7 | < 6.1 |
| 4-Isopropyltoluene | ug/kg | NE | NE | NE | NE | NE | 10000 | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| 4-Methyl-2-pentanone (MIBK) | ug/kg | NE | NE | NE | NE | NE | 1000 | < 5.1 | < 5.8 | < 5.0 | < 5.6 | < 5.7 | < 6.1 |
| Acetone | ug/kg | 100000 | 100000 | 500000 | 1000000 | 50 | 50 | < 6.1 | < 7.0 | < 5.9 | < 6.7 | < 6.8 | < 7.3 |
| Benzene | ug/kg | 2900 | 4800 | 44000 | 89000 | 60 | 60 | < 1.0 | < 1.2 | **0.45 J** | < 1.1 | < 1.1 | < 1.2 |
| Bromoform | ug/kg | NE | NE | NE | NE | NE | NE | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| Bromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 2.0 | < 2.3 | < 2.0 | < 2.2 | < 2.3 | < 2.4 |
| Carbon disulfide | ug/kg | 100000 | NE | NE | NE | NE | 2700 | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| Carbon tetrachloride | ug/kg | 1400 | 2400 | 22000 | 44000 | 760 | 760 | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| Chlorobenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 1100 | 1100 | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| Chlorobromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| Chlorodibromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| Chloroethane | ug/kg | NE | NE | NE | NE | NE | 1900 | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| Chloroform | ug/kg | 10000 | 49000 | 350000 | 700000 | 370 | 370 | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| Chloromethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| cis-1,2-Dichloroethene | ug/kg | 59000 | 100000 | 500000 | 1000000 | 250 | 250 | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| cis-1,3-Dichloropropene | ug/kg | NE | NE | NE | NE | NE | NE | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| Cyclohexane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| Dichlorobromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| Dichlorodifluoromethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| Ethylbenzene | ug/kg | 30000 | 41000 | 390000 | 780000 | 1000 | 1000 | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| Ethylene Dibromide (1,2-Dibromoethane, EDB) | ug/kg | NE | NE | NE | NE | NE | NE | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| Isopropylbenzene | ug/kg | 100000 | NE | NE | NE | NE | 2300 | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| Methyl acetate | ug/kg | NE | NE | NE | NE | NE | NE | < 5.1 | < 5.8 | < 5.0 | < 5.6 | < 5.7 | < 6.1 |
| Methyl tert-butyl ether | ug/kg | 62000 | 100000 | 500000 | 1000000 | 930 | 930 | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| Methylcyclohexane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| Methylene Chloride | ug/kg | 51000 | 100000 | 500000 | 1000000 | 50 | 50 | < 2.0 | < 2.3 | < 2.0 | < 2.2 | < 2.3 | < 2.4 |

**Table 11-Volatile Organic Compound Results**
**South Fork Export Cable-Substation**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | SC60534-01 | SC60534-02 | SC60534-03 | SC60534-04 | SC60534-05 | SC60534-11 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | | | | | | | | SB-32A-1 | SB-32A-2 | SB-32B-1 | SB-33A | SB-33B | |
| Matrix: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | Protection of GW | Grab Soil | Grab Soil | Grab Soil | Grab Soil | Grab Soil | Grab Soil - BD |
| Sample Depth: | | | | | | | | 5 ft | 10 ft | 6 ft | 10 ft | 13 ft | 13 ft |
| Sample Date: | | | | | | | | 1/20/2021 | 1/20/2021 | 1/20/2021 | 1/20/2021 | 1/20/2021 | 1/20/2021 |
| **Volatile Organic Compounds (SW846 8260D)** | | | | | | | | | | | | | |
| m-Xylene & p-Xylene | ug/kg | NE | NE | NE | NE | NE | NE | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| Naphthalene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 12000 | NE | < 1.5 | < 1.8 | < 1.5 | < 1.7 | < 1.7 | < 1.8 |
| n-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 12000 | 12000 | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| N-Propylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 3900 | 3900 | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| o-Xylene | ug/kg | NE | NE | NE | NE | NE | NE | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| sec-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 11000 | 11000 | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| Styrene | ug/kg | NE | NE | NE | NE | NE | NE | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| tert-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 5900 | 5900 | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| Tetrachloroethene | ug/kg | 5500 | 19000 | 150000 | 300000 | 1300 | 1300 | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| Toluene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 700 | 700 | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| trans-1,2-Dichloroethene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 190 | 190 | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| trans-1,3-Dichloropropene | ug/kg | NE | NE | NE | NE | NE | NE | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| Trichloroethene | ug/kg | 10000 | 21000 | 200000 | 400000 | 470 | 470 | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| Trichlorofluoromethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| Vinyl chloride | ug/kg | 210 | 900 | 13000 | 27000 | 20 | 20 | < 1.0 | < 1.2 | < 0.99 | < 1.1 | < 1.1 | < 1.2 |
| Xylenes, Total | ug/kg | 100000 | 100000 | 500000 | 1000000 | 260 | 1600 | < 2.0 | < 2.3 | < 2.0 | < 2.2 | < 2.3 | < 2.4 |

Notes
1. "<" indicates the parameter is not detected.
2."NE" indicates a standard for the parameter is not established.
3. "NT" indicates that the parameter was not tested for.
4. "BD" indicates the soil sample is a blind duplicate sample.
5. Bold values indicate the consituent was detected above the laboratory reporting limit. Yellow highlight indicates an exceedance of NYDEC's CP-51 Unrestricted Use and Protection of Groundwater Cleanup Objectives.
6. "J" indicates the result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
7. Acetone was detected in the trip blank associated with these samples at a concentration of 370 ug/L. Acetone is a common laboratory contaminant and these results are suspect.
8. Acetone was detected in the trip blank associated with these samples at a concentration of 1,100 ug/L. Acetone is a common laboratory contaminant and these results are suspect.

**Table 11-Volatile Organic Compound Results**
**South Fork Export Cable-Substation**
**GZA Job No. 41.0162804.02**

| Lab ID: | | | | | | | | SC60534-08 | SC60534-09 | SC60535-02 | SC60535-03 | SC60534-06 | SC60535-04 | SC60535-05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | UNITS | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | SB-34A-1 | SB-34A-2 | SB-34B-1 | SB-34B-2 | SB-34C | SB-35A-1 | SB-35A-2 |
| Matrix: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | Protection of GW | Grab Soil | Grab Soil | Grab Soil | Grab Soil | Grab Soil | Grab Soil | Grab Soil |
| Sample Depth: | | | | | | | | 2 ft | 5 ft | 3 ft | 5 ft | 6 ft | 3 ft | 5 ft |
| Sample Date: | | | | | | | | 1/20/2021 | 1/20/2021 | 1/21/2021 | 1/21/2021 | 1/20/2021 | 1/21/2021 | 1/21/2021 |
| **TCLP Volatile Organic Compounds (SW846 1311/8260C)** | | | | | | | | | | | | | | |
| Benzene | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | NT | NT | < 10.0 | < 10.0 | NT |
| 2-Butanone (MEK) | µg/L | NE | NE | NE | NE | NE | NE | < 20.0 | NT | NT | NT | < 20.0 | < 20.0 | NT |
| Carbon tetrachloride | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | NT | NT | < 10.0 | < 10.0 | NT |
| Chlorobenzene | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | NT | NT | < 10.0 | < 10.0 | NT |
| Chloroform | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | NT | NT | < 10.0 | < 10.0 | NT |
| 1,2-Dichloroethane | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | NT | NT | < 10.0 | < 10.0 | NT |
| 1,1-Dichloroethene | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | NT | NT | < 10.0 | < 10.0 | NT |
| Tetrachloroethene | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | NT | NT | < 10.0 | < 10.0 | NT |
| Trichloroethene | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | NT | NT | < 10.0 | < 10.0 | NT |
| Vinyl chloride | µg/L | NE | NE | NE | NE | NE | NE | < 10.0 | NT | NT | NT | < 10.0 | < 10.0 | NT |
| **Volatile Organic Compounds (SW846 8260D)** | | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | ug/kg | 100000 | 100000 | 500000 | 1000000 | 680 | 680 | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| 1,1,2,2-Tetrachloroethane | ug/kg | 35000 | NE | NE | NE | NE | 600 | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon) | ug/kg | 100000 | NE | NE | NE | NE | 6000 | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| 1,1,2-Trichloroethane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| 1,1-Dichloroethane | ug/kg | 19000 | 26000 | 240000 | 480000 | 270 | 270 | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| 1,1-Dichloroethene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 330 | 330 | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| 1,2,3-Trichlorobenzene | ug/kg | NE | NE | NE | NE | NE | NE | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| 1,2,4-Trichlorobenzene | ug/kg | NE | NE | NE | NE | NE | 3400 | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| 1,2,4-Trimethylbenzene | ug/kg | 47000 | 52000 | 190000 | 380000 | 3600 | 3600 | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| 1,2-Dibromo-3-Chloropropane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| 1,2-Dichlorobenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 1100 | 1100 | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| 1,2-Dichloroethane | ug/kg | 2300 | 3100 | 30000 | 60000 | 20 | 20 | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| 1,2-Dichloropropane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| 1,3,5-Trimethylbenzene | ug/kg | 47000 | 52000 | 190000 | 380000 | 8400 | 8400 | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| 1,3-Dichlorobenzene | ug/kg | 17000 | 49000 | 280000 | 560000 | 2400 | 2400 | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| 1,4-Dichlorobenzene | ug/kg | 9800 | 13000 | 130000 | 250000 | 1800 | 1800 | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| 2-Butanone (MEK) | ug/kg | 100000 | 100000 | 500000 | 1000000 | 120 | 120 | < 4.6 | **19** | < 4.9 | < 5.5 | < 5.1 | < 4.8 | < 4.8 |
| 2-Hexanone | ug/kg | NE | NE | NE | NE | NE | NE | < 4.6 | < 5.0 | < 4.9 | < 5.5 | < 5.1 | < 4.8 | < 4.8 |
| 4-Isopropyltoluene | ug/kg | NE | NE | NE | NE | NE | 10000 | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| 4-Methyl-2-pentanone (MIBK) | ug/kg | NE | NE | NE | NE | NE | 1000 | < 4.6 | < 5.0 | < 4.9 | < 5.5 | < 5.1 | < 4.8 | **2.9 J** |
| Acetone | ug/kg | 100000 | 100000 | 500000 | 1000000 | 50 | 50 | **510 [7]** | **670 [7]** | **240 [8]** | **180 [8]** | < 6.1 | **550 [7]** | **340 [7]** |
| Benzene | ug/kg | 2900 | 4800 | 44000 | 89000 | 60 | 60 | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| Bromoform | ug/kg | NE | NE | NE | NE | NE | NE | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| Bromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 1.8 | < 2.0 | < 2.0 | < 2.2 | < 2.0 | < 1.9 | < 1.9 |
| Carbon disulfide | ug/kg | 100000 | NE | NE | NE | NE | 2700 | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| Carbon tetrachloride | ug/kg | 1400 | 2400 | 22000 | 44000 | 760 | 760 | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| Chlorobenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 1100 | 1100 | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| Chlorobromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| Chlorodibromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| Chloroethane | ug/kg | NE | NE | NE | NE | NE | 1900 | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| Chloroform | ug/kg | 10000 | 49000 | 350000 | 700000 | 370 | 370 | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| Chloromethane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| cis-1,2-Dichloroethene | ug/kg | 59000 | 100000 | 500000 | 1000000 | 250 | 250 | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| cis-1,3-Dichloropropene | ug/kg | NE | NE | NE | NE | NE | NE | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| Cyclohexane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| Dichlorobromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| Dichlorodifluoromethane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| Ethylbenzene | ug/kg | 30000 | 41000 | 390000 | 780000 | 1000 | 1000 | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| Ethylene Dibromide (1,2-Dibromoethane, EDB) | ug/kg | NE | NE | NE | NE | NE | NE | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| Isopropylbenzene | ug/kg | 100000 | NE | NE | NE | NE | 2300 | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| Methyl acetate | ug/kg | NE | NE | NE | NE | NE | NE | < 4.6 | < 5.0 | < 4.9 | < 5.5 | < 5.1 | < 4.8 | < 4.8 |
| Methyl tert-butyl ether | ug/kg | 62000 | 100000 | 500000 | 1000000 | 930 | 930 | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| Methylcyclohexane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| Methylene Chloride | ug/kg | 51000 | 100000 | 500000 | 1000000 | 50 | 50 | < 1.8 | < 2.0 | < 2.0 | < 2.2 | < 2.0 | < 1.9 | < 1.9 |

**Table 11-Volatile Organic Compound Results**
**South Fork Export Cable-Substation**
**GZA Job No. 41.0162804.02**

| Lab ID: | | | | | | | | SC60534-08 | SC60534-09 | SC60535-02 | SC60535-03 | SC60534-06 | SC60535-04 | SC60535-05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **PARAMETERS** | **UNITS** | **NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives** | **NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives** | **NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives** | **NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives** | **NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives** | **NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives** | **SB-34A-1** | **SB-34A-2** | **SB-34B-1** | **SB-34B-2** | **SB-34C** | **SB-35A-1** | **SB-35A-2** |
| **Matrix:** | | **Residential** | **Restricted Residential** | **Commercial** | **Industrial** | **Unrestricted** | **Protection of GW** | **Grab Soil** | **Grab Soil** | **Grab Soil** | **Grab Soil** | **Grab Soil** | **Grab Soil** | **Grab Soil** |
| **Sample Depth:** | | | | | | | | **2 ft** | **5 ft** | **3 ft** | **5 ft** | **6 ft** | **3 ft** | **5 ft** |
| **Sample Date:** | | | | | | | | **1/20/2021** | **1/20/2021** | **1/21/2021** | **1/21/2021** | **1/20/2021** | **1/21/2021** | **1/21/2021** |
| **Volatile Organic Compounds (SW846 8260D)** | | | | | | | | | | | | | | |
| m-Xylene & p-Xylene | ug/kg | NE | NE | NE | NE | NE | NE | **0.37 J** | **0.56 J** | < 0.98 | < 1.1 | < 1.0 | **0.25 J** | < 0.96 |
| Naphthalene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 12000 | NE | < 1.4 | < 1.5 | < 1.5 | < 1.7 | < 1.5 | < 1.4 | < 1.4 |
| n-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 12000 | 12000 | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| N-Propylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 3900 | 3900 | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| o-Xylene | ug/kg | NE | NE | NE | NE | NE | NE | < 0.92 | **0.19 J** | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| sec-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 11000 | 11000 | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| Styrene | ug/kg | NE | NE | NE | NE | NE | NE | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| tert-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 5900 | 5900 | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| Tetrachloroethene | ug/kg | 5500 | 19000 | 150000 | 300000 | 1300 | 1300 | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| Toluene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 700 | 700 | **4.0** | **5.8** | **0.71 J** | **0.30 J** | < 1.0 | **1.9** | **0.71 J** |
| trans-1,2-Dichloroethene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 190 | 190 | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| trans-1,3-Dichloropropene | ug/kg | NE | NE | NE | NE | NE | NE | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| Trichloroethene | ug/kg | 10000 | 21000 | 200000 | 400000 | 470 | 470 | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| Trichlorofluoromethane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| Vinyl chloride | ug/kg | 210 | 900 | 13000 | 27000 | 20 | 20 | < 0.92 | < 0.99 | < 0.98 | < 1.1 | < 1.0 | < 0.96 | < 0.96 |
| Xylenes, Total | ug/kg | 100000 | 100000 | 500000 | 1000000 | 260 | 1600 | < 1.8 | **0.76 J** | < 2.0 | < 2.2 | < 2.0 | < 1.9 | < 1.9 |

Notes
1. "<" indicates the parameter is not detected.
2."NE" indicates a standard for the parameter is not established.
3. "NT" indicates that the parameter was not tested for.
4. "BD" indicates the soil sample is a blind duplicate sample.
5. Bold values indicate the consituent was detected above the laboratory reporting limit. Yellow highlight indicates an exceedance of NYDEC's CP-51 Unrestricted Use anc
6. "J" indicates the result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
7. Acetone was detected in the trip blank associated with these samples at a concentration of 370 ug/L. Acetone is a common laboratory contaminant and these results a
8. Acetone was detected in the trip blank associated with these samples at a concentration of 1,100 ug/L. Acetone is a common laboratory contaminant and these results

**Table 11-Volatile Organic Compound Results**
**South Fork Export Cable-Substation**
**GZA Job No. 41.0162804.02**

| Lab ID: | | | | | | | | SC60535-06 | SC60535-07 | SC60534-07 |
|---|---|---|---|---|---|---|---|---|---|---|
| **PARAMETERS** | **UNITS** | **NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives** | **NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives** | **NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives** | **NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives** | **NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives** | **NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives** | **SB-35B-1** | **SB-35B-2** | **SB-35C** |
| **Matrix:** | | **Residential** | **Restricted Residential** | **Commercial** | **Industrial** | **Unrestricted** | **Protection of GW** | **Grab Soil** | **Grab Soil** | **Grab Soil** |
| **Sample Depth:** | | | | | | | | **3 ft** | **5 ft** | **9 ft** |
| **Sample Date:** | | | | | | | | **1/21/2021** | **1/21/2021** | **1/20/2021** |
| **TCLP Volatile Organic Compounds (SW846 1311/8260C)** | | | | | | | | | | |
| Benzene | µg/L | NE | NE | NE | NE | NE | NE | NT | NT | NT |
| 2-Butanone (MEK) | µg/L | NE | NE | NE | NE | NE | NE | NT | NT | NT |
| Carbon tetrachloride | µg/L | NE | NE | NE | NE | NE | NE | NT | NT | NT |
| Chlorobenzene | µg/L | NE | NE | NE | NE | NE | NE | NT | NT | NT |
| Chloroform | µg/L | NE | NE | NE | NE | NE | NE | NT | NT | NT |
| 1,2-Dichloroethane | µg/L | NE | NE | NE | NE | NE | NE | NT | NT | NT |
| 1,1-Dichloroethene | µg/L | NE | NE | NE | NE | NE | NE | NT | NT | NT |
| Tetrachloroethene | µg/L | NE | NE | NE | NE | NE | NE | NT | NT | NT |
| Trichloroethene | µg/L | NE | NE | NE | NE | NE | NE | NT | NT | NT |
| Vinyl chloride | µg/L | NE | NE | NE | NE | NE | NE | NT | NT | NT |
| **Volatile Organic Compounds (SW846 8260D)** | | | | | | | | | | |
| 1,1,1-Trichloroethane | ug/kg | 100000 | 100000 | 500000 | 1000000 | 680 | 680 | < 0.99 | < 0.93 | < 1.3 |
| 1,1,2,2-Tetrachloroethane | ug/kg | 35000 | NE | NE | NE | NE | 600 | < 0.99 | < 0.93 | < 1.3 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon) | ug/kg | 100000 | NE | NE | NE | NE | 6000 | < 0.99 | < 0.93 | < 1.3 |
| 1,1,2-Trichloroethane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.99 | < 0.93 | < 1.3 |
| 1,1-Dichloroethane | ug/kg | 19000 | 26000 | 240000 | 480000 | 270 | 270 | < 0.99 | < 0.93 | < 1.3 |
| 1,1-Dichloroethene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 330 | 330 | < 0.99 | < 0.93 | < 1.3 |
| 1,2,3-Trichlorobenzene | ug/kg | NE | NE | NE | NE | NE | NE | < 0.99 | < 0.93 | < 1.3 |
| 1,2,4-Trichlorobenzene | ug/kg | NE | NE | NE | NE | NE | 3400 | < 0.99 | < 0.93 | < 1.3 |
| 1,2,4-Trimethylbenzene | ug/kg | 47000 | 52000 | 190000 | 380000 | 3600 | 3600 | < 0.99 | < 0.93 | < 1.3 |
| 1,2-Dibromo-3-Chloropropane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.99 | < 0.93 | < 1.3 |
| 1,2-Dichlorobenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 1100 | 1100 | < 0.99 | < 0.93 | < 1.3 |
| 1,2-Dichloroethane | ug/kg | 2300 | 3100 | 30000 | 60000 | 20 | 20 | < 0.99 | < 0.93 | < 1.3 |
| 1,2-Dichloropropane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.99 | < 0.93 | < 1.3 |
| 1,3,5-Trimethylbenzene | ug/kg | 47000 | 52000 | 190000 | 380000 | 8400 | 8400 | < 0.99 | < 0.93 | < 1.3 |
| 1,3-Dichlorobenzene | ug/kg | 17000 | 49000 | 280000 | 560000 | 2400 | 2400 | < 0.99 | < 0.93 | < 1.3 |
| 1,4-Dichlorobenzene | ug/kg | 9800 | 13000 | 130000 | 250000 | 1800 | 1800 | < 0.99 | < 0.93 | < 1.3 |
| 2-Butanone (MEK) | ug/kg | 100000 | 100000 | 500000 | 1000000 | 120 | 120 | < 5.0 | < 4.6 | < 6.5 |
| 2-Hexanone | ug/kg | NE | NE | NE | NE | NE | NE | < 5.0 | < 4.6 | < 6.5 |
| 4-Isopropyltoluene | ug/kg | NE | NE | NE | NE | NE | 10000 | < 0.99 | < 0.93 | < 1.3 |
| 4-Methyl-2-pentanone (MIBK) | ug/kg | NE | NE | NE | NE | NE | 1000 | **1.7 J** | < 4.6 | < 6.5 |
| Acetone | ug/kg | 100000 | 100000 | 500000 | 1000000 | 50 | 50 | **540 [7]** | < 5.6 | **8.4** |
| Benzene | ug/kg | 2900 | 4800 | 44000 | 89000 | 60 | 60 | < 0.99 | < 0.93 | < 1.3 |
| Bromoform | ug/kg | NE | NE | NE | NE | NE | NE | < 0.99 | < 0.93 | < 1.3 |
| Bromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 2.0 | < 1.9 | < 2.6 |
| Carbon disulfide | ug/kg | 100000 | NE | NE | NE | NE | 2700 | < 0.99 | < 0.93 | < 1.3 |
| Carbon tetrachloride | ug/kg | 1400 | 2400 | 22000 | 44000 | 760 | 760 | < 0.99 | < 0.93 | < 1.3 |
| Chlorobenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 1100 | 1100 | < 0.99 | < 0.93 | < 1.3 |
| Chlorobromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.99 | < 0.93 | < 1.3 |
| Chlorodibromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.99 | < 0.93 | < 1.3 |
| Chloroethane | ug/kg | NE | NE | NE | NE | NE | 1900 | < 0.99 | < 0.93 | < 1.3 |
| Chloroform | ug/kg | 10000 | 49000 | 350000 | 700000 | 370 | 370 | < 0.99 | < 0.93 | < 1.3 |
| Chloromethane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.99 | < 0.93 | < 1.3 |
| cis-1,2-Dichloroethene | ug/kg | 59000 | 100000 | 500000 | 1000000 | 250 | 250 | < 0.99 | < 0.93 | < 1.3 |
| cis-1,3-Dichloropropene | ug/kg | NE | NE | NE | NE | NE | NE | < 0.99 | < 0.93 | < 1.3 |
| Cyclohexane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.99 | < 0.93 | < 1.3 |
| Dichlorobromomethane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.99 | < 0.93 | < 1.3 |
| Dichlorodifluoromethane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.99 | < 0.93 | < 1.3 |
| Ethylbenzene | ug/kg | 30000 | 41000 | 390000 | 780000 | 1000 | 1000 | < 0.99 | < 0.93 | < 1.3 |
| Ethylene Dibromide (1,2-Dibromoethane, EDB) | ug/kg | NE | NE | NE | NE | NE | NE | < 0.99 | < 0.93 | < 1.3 |
| Isopropylbenzene | ug/kg | 100000 | NE | NE | NE | NE | 2300 | < 0.99 | < 0.93 | < 1.3 |
| Methyl acetate | ug/kg | NE | NE | NE | NE | NE | NE | < 5.0 | < 4.6 | < 6.5 |
| Methyl tert-butyl ether | ug/kg | 62000 | 100000 | 500000 | 1000000 | 930 | 930 | < 0.99 | < 0.93 | < 1.3 |
| Methylcyclohexane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.99 | < 0.93 | < 1.3 |
| Methylene Chloride | ug/kg | 51000 | 100000 | 500000 | 1000000 | 50 | 50 | < 2.0 | < 1.9 | < 2.6 |

**Table 11-Volatile Organic Compound Results**
**South Fork Export Cable-Substation**
**GZA Job No. 41.0162804.02**

| Lab ID: | | | | | | | | SC60535-06 | SC60535-07 | SC60534-07 |
|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | UNITS | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | SB-35B-1 | SB-35B-2 | SB-35C |
| Matrix: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | Protection of GW | Grab Soil | Grab Soil | Grab Soil |
| Sample Depth: | | | | | | | | 3 ft | 5 ft | 9 ft |
| Sample Date: | | | | | | | | 1/21/2021 | 1/21/2021 | 1/20/2021 |
| **Volatile Organic Compounds (SW846 8260D)** | | | | | | | | | | |
| m-Xylene & p-Xylene | ug/kg | NE | NE | NE | NE | NE | NE | < 0.99 | < 0.93 | < 1.3 |
| Naphthalene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 12000 | NE | < 1.5 | < 1.4 | < 1.9 |
| n-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 12000 | 12000 | < 0.99 | < 0.93 | < 1.3 |
| N-Propylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 3900 | 3900 | < 0.99 | < 0.93 | < 1.3 |
| o-Xylene | ug/kg | NE | NE | NE | NE | NE | NE | < 0.99 | < 0.93 | < 1.3 |
| sec-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 11000 | 11000 | < 0.99 | < 0.93 | < 1.3 |
| Styrene | ug/kg | NE | NE | NE | NE | NE | NE | < 0.99 | < 0.93 | < 1.3 |
| tert-Butylbenzene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 5900 | 5900 | < 0.99 | < 0.93 | < 1.3 |
| Tetrachloroethene | ug/kg | 5500 | 19000 | 150000 | 300000 | 1300 | 1300 | < 0.99 | < 0.93 | < 1.3 |
| Toluene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 700 | 700 | **0.61 J** | **0.71 J** | **0.47 J** |
| trans-1,2-Dichloroethene | ug/kg | 100000 | 100000 | 500000 | 1000000 | 190 | 190 | < 0.99 | < 0.93 | < 1.3 |
| trans-1,3-Dichloropropene | ug/kg | NE | NE | NE | NE | NE | NE | < 0.99 | < 0.93 | < 1.3 |
| Trichloroethene | ug/kg | 10000 | 21000 | 200000 | 400000 | 470 | 470 | < 0.99 | < 0.93 | < 1.3 |
| Trichlorofluoromethane | ug/kg | NE | NE | NE | NE | NE | NE | < 0.99 | < 0.93 | < 1.3 |
| Vinyl chloride | ug/kg | 210 | 900 | 13000 | 27000 | 20 | 20 | < 0.99 | < 0.93 | < 1.3 |
| Xylenes, Total | ug/kg | 100000 | 100000 | 500000 | 1000000 | 260 | 1600 | < 2.0 | < 1.9 | < 2.6 |

Notes
1. "<" indicates the parameter is not detected.
2."NE" indicates a standard for the parameter is not established.
3. "NT" indicates that the parameter was not tested for.
4. "BD" indicates the soil sample is a blind duplicate sample.
5. Bold values indicate the consituent was detected above the laboratory reporting limit. Yellow highlight indicates an exceedance of NYDEC's CP-51 Unrestricted Use and
6. "J" indicates the result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
7. Acetone was detected in the trip blank associated with these samples at a concentration of 370 ug/L. Acetone is a common laboratory contaminant and these results a
8. Acetone was detected in the trip blank associated with these samples at a concentration of 1,100 ug/L. Acetone is a common laboratory contaminant and these results

**Table 12-Composite Sample Results**
**South Fork Export Cable-Substation**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | SC60534-12 | SC60534-13 | SC60534-11 | SC60535-08 | SC60535-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | | | | | | | | COMP-32 | COMP-33 | | COMP-34 | |
| Matrix: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | Protection of GW | Composite Soil | Composite Soil | Composite Soil - BD | Composite Soil | Composite Soil |
| Sample Location: | | | | | | | | SB-32A/SB-32B | SB-33A/SB-33B | SB-33A/SB-33B | SB-34A/SB-34B | SB-34A/SB-34B |
| Sample Depth: | | | | | | | | 0-12 ft | 0-20 ft | 0-20 ft | 0-2.5 ft | 2.5-5 ft |
| Sample Date: | | | | | | | | 1/20/2021 | 1/20/2021 | 1/20/2021 | 1/21/2021 | 1/21/2021 |
| **Extractable Petroleum Hydrocarbons (NJDEP 3546)** | | | | | | | | | | | | |
| C12-C16 Aliphatics | mg/kg | NE | NE | NE | NE | NE | NE | < 2.1 | < 2.2 | < 2.2 | < 2.4 | < 2.5 |
| C16-C21 Aliphatics | mg/kg | NE | NE | NE | NE | NE | NE | < 2.1 | < 2.2 | < 2.2 | < 2.4 | < 2.5 |
| C21-C40 Aliphatics | mg/kg | NE | NE | NE | NE | NE | NE | < 2.1 | < 2.2 | < 2.2 | < 2.4 | < 2.5 |
| C9-C12 Aliphatics | mg/kg | NE | NE | NE | NE | NE | NE | < 2.1 | < 2.2 | < 2.2 | < 2.4 | < 2.5 |
| Total Aliphatics | mg/kg | NE | NE | NE | NE | NE | NE | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 |
| Total Aromatics | mg/kg | NE | NE | NE | NE | NE | NE | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 |
| Total EPH | mg/kg | NE | NE | NE | NE | NE | NE | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 |
| **TCLP Metals (SW846 1311/6010C/1311/7470A)** | | | | | | | | | | | | |
| Silver | mg/L | NE | NE | NE | NE | NE | NE | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 |
| Arsenic | mg/L | NE | NE | NE | NE | NE | NE | **0.0328** | < 0.0150 | **0.0453** | < 0.0150 | < 0.0150 |
| Barium | mg/L | NE | NE | NE | NE | NE | NE | **0.203** | **0.193** | **0.399** | **0.191** | **0.153** |
| Cadmium | mg/L | NE | NE | NE | NE | NE | NE | < 0.0025 | < 0.0025 | < 0.0025 | < 0.0025 | < 0.0025 |
| Chromium | mg/L | NE | NE | NE | NE | NE | NE | **0.0822** | < 0.050 | **0.2340** | < 0.050 | < 0.0500 |
| Mercury | mg/L | NE | NE | NE | NE | NE | NE | < 0.00050 | < 0.00050 | < 0.00050 | < 0.00050 | < 0.00050 |
| Lead | mg/L | NE | NE | NE | NE | NE | NE | **0.0500** | **0.0165** | **0.0876** | < 0.0075 | **0.0110** |
| Selenium | mg/L | NE | NE | NE | NE | NE | NE | < 0.0150 | < 0.0150 | < 0.0150 | < 0.0150 | < 0.0150 |
| **TCLP Pesticides (SW846 1311/8081B)** | | | | | | | | | | | | |
| gamma-BHC (Lindane) | µg/L | NE | NE | NE | NE | NE | NE | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| Heptachlor | µg/L | NE | NE | NE | NE | NE | NE | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| Heptachlor epoxide | µg/L | NE | NE | NE | NE | NE | NE | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| Dieldrin | µg/L | NE | NE | NE | NE | NE | NE | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| 4,4'-DDE (p,p') | µg/L | NE | NE | NE | NE | NE | NE | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| Endrin | µg/L | NE | NE | NE | NE | NE | NE | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 |
| 4,4'-DDD (p,p') | µg/L | NE | NE | NE | NE | NE | NE | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 |
| 4,4'-DDT (p,p') | µg/L | NE | NE | NE | NE | NE | NE | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 |
| Methoxychlor | µg/L | NE | NE | NE | NE | NE | NE | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 |
| Endrin ketone | µg/L | NE | NE | NE | NE | NE | NE | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 |
| Endrin aldehyde | µg/L | NE | NE | NE | NE | NE | NE | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 |
| Toxaphene | µg/L | NE | NE | NE | NE | NE | NE | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Chlordane | µg/L | NE | NE | NE | NE | NE | NE | < 2.50 | < 2.50 | < 2.50 | < 2.50 | < 2.50 |
| **TCLP Semi-Volatile Organic Carbons (SW846 1311/8270D)** | | | | | | | | | | | | |
| 1,4-Dichlorobenzene | µg/L | NE | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| 2,4-Dinitrotoluene | µg/L | NE | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| Hexachlorobenzene | µg/L | NE | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| Hexachlorobutadiene | µg/L | NE | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| Hexachloroethane | µg/L | NE | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| 2-Methylphenol | µg/L | NE | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| 3 & 4-Methylphenol | µg/L | NE | NE | NE | NE | NE | NE | < 100 | < 100 | < 100 | < 100 | < 100 |
| Nitrobenzene | µg/L | NE | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| Pentachlorophenol | µg/L | NE | NE | NE | NE | NE | NE | < 200 | < 200 | < 200 | < 200 | < 200 |
| Pyridine | µg/L | NE | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| 2,4,5-Trichlorophenol | µg/L | NE | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| 2,4,6-Trichlorophenol | µg/L | NE | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 | < 50.0 |

**Table 12-Composite Sample Results**
**South Fork Export Cable-Substation**
**GZA Job No. 41.0162804.02**

| Lab ID: | | | | | | | | SC60534-12 | SC60534-13 | SC60534-11 | SC60535-08 | SC60535-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | UNITS | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | COMP-32 | COMP-33 | | COMP-34 | |
| Matrix: | | | | | | | | Composite Soil | Composite Soil | Composite Soil - BD | Composite Soil | Composite Soil |
| Sample Location: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | Protection of GW | SB-32A/SB-32B | SB-33A/SB-33B | SB-33A/SB-33B | SB-34A/SB-34B | SB-34A/SB-34B |
| Sample Depth: | | | | | | | | 0-12 ft | 0-20 ft | 0-20 ft | 0-2.5 ft | 2.5-5 ft |
| Sample Date: | | | | | | | | 1/20/2021 | 1/20/2021 | 1/20/2021 | 1/21/2021 | 1/21/2021 |
| **Metals (SW846 6010C/6010D/7196A/7471B)** | | | | | | | | | | | | |
| Silver | mg/kg | 36 | 180 | 1500 | 6800 | 2 | 8.3 | < 1.70 | < 1.66 | < 1.67 | < 1.72 | < 1.87 |
| Aluminum | mg/kg | NE | NE | NE | NE | NE | NE | **2,750** | **3,640** | **3,310** | **11,800** | **10,500** |
| Arsenic | mg/kg | 16 | 16 | 16 | 16 | 13 | 16 | < 1.70 | < 1.66 | < 1.67 | **2.47** | **2.73** |
| Barium | mg/kg | 350 | 400 | 400 | 10000 | 350 | 820 | **4.55** | **10.2** | **9.20** | **22.3** | **25.10** |
| Beryllium | mg/kg | 14 | 72 | 590 | 2700 | 7.2 | 47 | < 0.567 | < 0.553 | < 0.555 | < 0.572 | < 0.622 |
| Calcium | mg/kg | NE | NE | NE | NE | NE | NE | **54.1** | **118** | **100** | **560** | **497** |
| Cadmium | mg/kg | 2.5 | 4.3 | 9.3 | 60 | 2.5 | 7.5 | < 0.567 | < 0.553 | < 0.555 | < 0.572 | < 0.622 |
| Cobalt | mg/kg | 30 | NE | NE | NE | NE | NE | < 1.13 | **1.49** | **1.52** | **2.24** | **3.79** |
| Chromium | mg/kg | NE | NE | NE | NE | NE | NE | **2.22** | **8.48** | **7.18** | **11.9** | **12.1** |
| Copper | mg/kg | 270 | 270 | 270 | 10000 | 50 | 1720 | **1.26** | **3.29** | **3.05** | **4.31** | **12.1** |
| Iron | mg/kg | 2000 | NE | NE | NE | NE | NE | **2,380** | **5,030** | **4,530** | **10,200** | **10,500** |
| Mercury | mg/kg | 0.81 | 0.81 | 2.8 | 5.7 | 0.18 | 0.73 | < 0.0324 | < 0.0316 | < 0.0302 | < 0.0343 | < 0.0342 |
| Potassium | mg/kg | NE | NE | NE | NE | NE | NE | **117** | **258** | **243** | **307** | **560** |
| Magnesium | mg/kg | NE | NE | NE | NE | NE | NE | **253** | **703** | **572** | **1,360** | **2,020** |
| Manganese | mg/kg | 2000 | 2000 | 10000 | 10000 | 1600 | 2000 | **23.7** | **60.8** | **58.0** | **66.4** | **215** |
| Sodium | mg/kg | NE | NE | NE | NE | NE | NE | < 85.0 | < 83.0 | < 83.3 | < 85.8 | < 93.3 |
| Nickel | mg/kg | 140 | 310 | 310 | 10000 | 30 | 130 | **1.51** | **3.43** | **3.00** | **6.07** | **7.55** |
| Lead | mg/kg | 400 | 400 | 1000 | 3900 | 63 | 450 | < 1.70 | **2.75** | **2.66** | **7.24** | **7.37** |
| Antimony | mg/kg | NE | NE | NE | NE | NE | NE | < 5.67 | < 5.53 | < 5.55 | < 5.72 | < 6.22 |
| Selenium | mg/kg | 36 | 180 | 1500 | 6800 | 3.9 | 4 | < 1.70 | < 1.66 | < 1.67 | < 1.72 | < 1.87 |
| Thallium | mg/kg | NE | NE | NE | NE | NE | NE | < 3.40 | < 3.32 | < 3.33 | < 3.43 | < 3.73 |
| Vanadium | mg/kg | 100 | NE | NE | NE | NE | NE | **4.05** | **8.73** | **7.71** | **21.2** | **21.5** |
| Zinc | mg/kg | 2200 | 10000 | 10000 | 10000 | 109 | 2480 | **3.60** | **7.44** | **6.34** | **15.4** | **23.8** |
| Cr (VI) | mg/kg | 22 | 110 | 400 | 800 | 1 | 19 | < 2.2 | < 2.2 | < 2.2 | <2.4 | <2.5 |
| Trivalent Chromium | mg/kg | 36 | 180 | 1500 | 6800 | 30 | NE | < 2.04 | < 7.52 | < 6.46 | <9.90 | <9.97 |
| **Pesticides (SW846 8081B)** | | | | | | | | | | | | |
| alpha-BHC | µg/kg | 97 | 480 | 3400 | 6800 | 20 | 20 | < 5.25 | < 5.36 | < 5.28 | < 5.69 | < 5.92 |
| beta-BHC | µg/kg | 72 | 360 | 3000 | 14000 | 36 | 90 | < 5.25 | < 5.36 | < 5.28 | < 5.69 | < 5.92 |
| delta-BHC | µg/kg | 100000 | 100000 | 500000 | 1000000 | 40 | 250 | < 5.25 | < 5.36 | < 5.28 | < 5.69 | < 5.92 |
| gamma-BHC (Lindane) | µg/kg | 280 | 1300 | 9200 | 23000 | 100 | 100 | < 3.15 | < 3.21 | < 3.17 | < 3.41 | < 3.55 |
| Heptachlor | µg/kg | 420 | 2100 | 15000 | 29000 | 42 | 380 | < 5.25 | < 5.36 | < 5.28 | < 5.69 | < 5.92 |
| Aldrin | µg/kg | 19 | 97 | 680 | 1400 | 5 | 190 | < 5.25 | < 5.36 | < 5.28 | < 5.69 | < 5.92 |
| Heptachlor epoxide | µg/kg | 77 | NE | NE | NE | NE | 20 | < 5.25 | < 5.36 | < 5.28 | < 5.69 | < 5.92 |
| Endosulfan I | µg/kg | 4800 | 24000 | 200000 | 920000 | 2400 | 102000 | < 5.25 | < 5.36 | < 5.28 | < 5.69 | < 5.92 |
| Dieldrin | µg/kg | 39 | 200 | 1400 | 2800 | 5 | 100 | < 5.25 | < 5.36 | < 5.28 | < 5.69 | < 5.92 |
| 4,4'-DDE (p,p') | µg/kg | 1800 | 8900 | 62000 | 120000 | 3.3 | 17000 | < 5.25 | < 5.36 | < 5.28 | < 5.69 | < 5.92 |
| Endrin | µg/kg | 2200 | 11000 | 89000 | 410000 | 14 | 60 | < 8.40 | < 8.57 | < 8.44 | < 9.10 | < 9.48 |
| Endosulfan II | µg/kg | 4800 | 24000 | 200000 | 920000 | 2400 | 102000 | < 8.40 | < 8.57 | < 8.44 | < 9.10 | < 9.48 |
| 4,4'-DDD (p,p') | µg/kg | 2600 | 13000 | 92000 | 180000 | 3.3 | 14000 | < 8.40 | < 8.57 | < 8.44 | < 9.10 | < 9.48 |
| Endosulfan sulfate | µg/kg | 4800 | 24000 | 200000 | 920000 | 2400 | 1000000 | < 8.40 | < 8.57 | < 8.44 | < 9.10 | < 9.48 |
| 4,4'-DDT (p,p') | µg/kg | 1700 | 7900 | 47000 | 94000 | 3.3 | 136000 | < 8.40 | < 8.57 | < 8.44 | < 9.10 | < 9.48 |
| Methoxychlor | µg/kg | 100000 | NE | NE | NE | NE | 900000 | < 8.40 | < 8.57 | < 8.44 | < 9.10 | < 9.48 |
| Endrin ketone | µg/kg | NE | NE | NE | NE | NE | NE | < 8.40 | < 8.57 | < 8.44 | < 9.10 | < 9.48 |
| Endrin aldehyde | µg/kg | NE | NE | NE | NE | NE | NE | < 8.40 | < 8.57 | < 8.44 | < 9.10 | < 9.48 |
| alpha-Chlordane | µg/kg | 910 | 4200 | 24000 | 47000 | 94 | 2900 | < 5.25 | < 5.36 | < 5.28 | < 5.69 | < 5.92 |
| gamma-Chlordane | µg/kg | 540 | NE | NE | NE | NE | 14000 | < 5.25 | < 5.36 | < 5.28 | < 5.69 | < 5.92 |
| Toxaphene | µg/kg | NE | NE | NE | NE | NE | NE | < 104 | < 107 | < 106 | < 114 | < 118 |
| Chlordane | µg/kg | NE | NE | NE | NE | NE | NE | < 21.0 | < 21.4 | < 21.2 | < 22.9 | < 23.7 |
| Alachlor | µg/kg | NE | NE | NE | NE | NE | NE | < 5.25 | < 5.36 | < 5.28 | < 5.69 | < 5.92 |

**Table 12-Composite Sample Results**
**South Fork Export Cable-Substation**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | SC60534-12 | SC60534-13 | SC60534-11 | SC60535-08 | SC60535-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | | | | | | | | COMP-32 | COMP-33 | | COMP-34 | |
| Matrix: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | Protection of GW | Composite Soil | Composite Soil | Composite Soil - BD | Composite Soil | Composite Soil |
| Sample Location: | | | | | | | | SB-32A/SB-32B | SB-33A/SB-33B | SB-33A/SB-33B | SB-34A/SB-34B | SB-34A/SB-34B |
| Sample Depth: | | | | | | | | 0-12 ft | 0-20 ft | 0-20 ft | 0-2.5 ft | 2.5-5 ft |
| Sample Date: | | | | | | | | 1/20/2021 | 1/20/2021 | 1/20/2021 | 1/21/2021 | 1/21/2021 |
| **Polychlorinated Biphenyls (SW846 8082A)** | | | | | | | | | | | | |
| Aroclor-1016 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | 3200 | < 21.0 | < 21.4 | < 21.1 | < 22.8 | < 23.7 |
| Aroclor-1221 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | 3200 | < 21.0 | < 21.4 | < 21.1 | < 22.8 | < 23.7 |
| Aroclor-1232 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | 3200 | < 21.0 | < 21.4 | < 21.1 | < 22.8 | < 23.7 |
| Aroclor-1242 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | 3200 | < 21.0 | < 21.4 | < 21.1 | < 22.8 | < 23.7 |
| Aroclor-1248 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | 3200 | < 21.0 | < 21.4 | < 21.1 | < 22.8 | < 23.7 |
| Aroclor-1254 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | 3200 | < 21.0 | < 21.4 | < 21.1 | < 22.8 | < 23.7 |
| Aroclor-1260 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | 3200 | < 21.0 | < 21.4 | < 21.1 | < 22.8 | < 23.7 |
| Aroclor-1262 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | 3200 | < 21.0 | < 21.4 | < 21.1 | < 22.8 | < 23.7 |
| Aroclor-1268 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | 3200 | < 21.0 | < 21.4 | < 21.1 | < 22.8 | < 23.7 |
| **Herbicides (SW846 8151A)** | | | | | | | | | | | | |
| 2,4,5-T | µg/kg | NE | NE | NE | NE | NE | 1900 | < 36 | < 37 | < 37 | < 40 | < 41 |
| 2,4-D | µg/kg | NE | NE | NE | NE | NE | 500 | < 36 | < 37 | < 37 | < 40 | < 41 |
| Silvex (2,4,5-TP) | µg/kg | NE | NE | NE | NE | NE | 3800 | < 36 | < 37 | < 37 | < 40 | < 41 |
| **TCLP Herbicides (SW846 8151A)** | | | | | | | | | | | | |
| 2,4,5-T | mg/L | NE | NE | NE | NE | NE | 1900 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 |
| 2,4-D | mg/L | NE | NE | NE | NE | NE | 500 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 |
| Silvex (2,4,5-TP) | mg/L | NE | NE | NE | NE | NE | 3800 | < 0.083 | < 0.083 | < 0.083 | < 0.083 | < 0.083 |
| **Semi-Volatile Organic Compounds (SW846 8270D/8270E)** | | | | | | | | | | | | |
| Acenaphthene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 20000 | 98000 | < 71.7 | < 73.4 | < 72.8 | < 78.9 | < 79.0 |
| Acenaphthylene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 100000 | 107000 | < 71.7 | < 73.4 | < 72.8 | < 78.9 | < 79.0 |
| Aniline | µg/kg | 48000 | 100000 | 500000 | 1000000 | NE | 330 | < 355 | < 363 | < 360 | < 390 | < 391 |
| Anthracene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 100000 | 1000000 | < 71.7 | < 73.4 | < 72.8 | < 78.9 | < 79.0 |
| Azobenzene/Diphenyldiazene | µg/kg | NE | NE | NE | NE | NE | NE | < 355 | < 363 | < 360 | < 390 | < 391 |
| Benzidine | µg/kg | NE | NE | NE | NE | NE | NE | < 710 | < 726 | < 721 | < 780 | < 781 |
| Benzo (a) anthracene | µg/kg | 1000 | 1000 | 5600 | 11000 | 1000 | 1000 | < 71.7 | < 73.4 | < 72.8 | < 78.9 | < 79.0 |
| Benzo (a) pyrene | µg/kg | 1000 | 1000 | 1000 | 1100 | 1000 | 22000 | < 71.7 | < 73.4 | < 72.8 | < 78.9 | < 79.0 |
| Benzo (b) fluoranthene | µg/kg | 1000 | 1000 | 5600 | 11000 | 1000 | 1700 | < 71.7 | < 73.4 | < 72.8 | < 78.9 | < 79.0 |
| Benzo (g,h,i) perylene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 100000 | 1000000 | < 71.7 | < 73.4 | < 72.8 | < 78.9 | < 79.0 |
| Benzo (k) fluoranthene | µg/kg | 1000 | 3900 | 56000 | 110000 | 800 | 1700 | < 71.7 | < 73.4 | < 360 | < 78.9 | < 391 |
| Benzoic acid | µg/kg | 100000 | NE | NE | NE | NE | 2700 | **549** | < 363 | < 360 | < 390 | < 391 |
| Benzyl alcohol | µg/kg | NE | NE | NE | NE | NE | NE | < 355 | < 363 | < 360 | < 390 | < 391 |
| Bis(2-chloroethoxy)methane | µg/kg | NE | NE | NE | NE | NE | NE | < 355 | < 363 | < 360 | < 390 | < 391 |
| Bis(2-chloroethyl)ether | µg/kg | NE | NE | NE | NE | NE | NE | < 180 | < 184 | < 182 | < 197 | < 198 |
| Bis(2-chloroisopropyl)ether | µg/kg | NE | NE | NE | NE | NE | NE | < 180 | < 184 | < 182 | < 197 | < 198 |
| Bis(2-ethylhexyl)phthalate | µg/kg | 50000 | NE | NE | NE | NE | 435000 | < 180 | < 184 | < 182 | < 197 | < 198 |
| 4-Bromophenyl phenyl ether | µg/kg | NE | NE | NE | NE | NE | NE | < 355 | < 363 | < 360 | < 390 | < 391 |
| Butyl benzyl phthalate | µg/kg | 100000 | NE | NE | NE | NE | 122000 | < 355 | < 363 | < 360 | < 390 | < 391 |
| Carbazole | µg/kg | NE | NE | NE | NE | NE | NE | < 180 | < 184 | < 182 | < 197 | < 198 |
| 4-Chloro-3-methylphenol | µg/kg | NE | NE | NE | NE | NE | NE | < 355 | < 363 | < 360 | < 390 | < 391 |
| 4-Chloroaniline | µg/kg | 100000 | NE | NE | NE | NE | 220 | < 180 | < 184 | < 182 | < 197 | < 198 |
| 2-Chloronaphthalene | µg/kg | NE | NE | NE | NE | NE | NE | < 355 | < 363 | < 360 | < 390 | < 391 |
| 2-Chlorophenol | µg/kg | 100000 | NE | NE | NE | NE | NE | < 180 | < 184 | < 182 | < 197 | < 198 |
| 4-Chlorophenyl phenyl ether | µg/kg | NE | NE | NE | NE | NE | NE | < 355 | < 363 | < 360 | < 390 | < 391 |
| Chrysene | µg/kg | 1000 | 3900 | 56000 | 110000 | 1000 | 1000 | < 71.7 | < 73.4 | < 72.8 | < 78.9 | < 79.0 |
| Dibenzo (a,h) anthracene | µg/kg | 330 | 330 | 560 | 1100 | 330 | 1000000 | < 71.7 | < 73.4 | < 72.8 | < 78.9 | < 79.0 |
| Dibenzofuran | µg/kg | 14000 | 59000 | 350000 | 1000000 | 7000 | 6200 | < 180 | < 184 | < 182 | < 197 | < 198 |
| 1,2-Dichlorobenzene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 1100 | NE | < 355 | < 363 | < 360 | < 390 | < 391 |
| 1,3-Dichlorobenzene | µg/kg | 17000 | 49000 | 280000 | 560000 | 2400 | NE | < 355 | < 363 | < 360 | < 390 | < 391 |
| 1,4-Dichlorobenzene | µg/kg | 9800 | 13000 | 130000 | 250000 | 1800 | NE | < 355 | < 363 | < 360 | < 390 | < 391 |
| 3,3´-Dichlorobenzidine | µg/kg | NE | NE | NE | NE | NE | NE | < 355 | < 363 | < 360 | < 390 | < 391 |
| 2,4-Dichlorophenol | µg/kg | 100000 | NE | NE | NE | NE | 400 | < 180 | < 184 | < 182 | < 197 | < 198 |
| Diethyl phthalate | µg/kg | 100000 | NE | NE | NE | NE | 7100 | < 355 | < 363 | < 360 | < 390 | < 391 |
| Dimethyl phthalate | µg/kg | 100000 | NE | NE | NE | NE | 27000 | < 355 | < 363 | < 360 | < 390 | < 391 |
| 2,4-Dimethylphenol | µg/kg | NE | NE | NE | NE | NE | NE | < 355 | < 363 | < 360 | < 390 | < 391 |
| Di-n-butyl phthalate | µg/kg | 100000 | NE | NE | NE | NE | 8100 | < 355 | < 363 | < 360 | < 390 | < 391 |
| **Semi-Volatile Organic Compounds (SW846 8270D/8270E)** | | | | | | | | | | | | |
| 4,6-Dinitro-2-methylphenol | µg/kg | NE | NE | NE | NE | NE | NE | < 355 | < 363 | < 360 | < 390 | < 391 |

**Table 12-Composite Sample Results**
**South Fork Export Cable-Substation**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | SC60534-12 | SC60534-13 | SC60534-11 | SC60535-08 | SC60535-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | | | | | | | | COMP-32 | COMP-33 | | COMP-34 | |
| Matrix: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | Protection of GW | Composite Soil | Composite Soil | Composite Soil - BD | Composite Soil | Composite Soil |
| Sample Location: | | | | | | | | SB-32A/SB-32B | SB-33A/SB-33B | SB-33A/SB-33B | SB-34A/SB-34B | SB-34A/SB-34B |
| Sample Depth: | | | | | | | | 0-12 ft | 0-20 ft | 0-20 ft | 0-2.5 ft | 2.5-5 ft |
| Sample Date: | | | | | | | | 1/20/2021 | 1/20/2021 | 1/20/2021 | 1/21/2021 | 1/21/2021 |
| 2,4-Dinitrophenol | µg/kg | 100000 | NE | NE | NE | NE | 200 | < 355 | < 363 | < 360 | < 390 | < 391 |
| 2,4-Dinitrotoluene | µg/kg | NE | NE | NE | NE | NE | NE | < 180 | < 184 | < 182 | < 197 | < 198 |
| 2,6-Dinitrotoluene | µg/kg | 1030 | NE | NE | NE | NE | 1000 | < 180 | < 184 | < 182 | < 197 | < 198 |
| Di-n-octyl phthalate | µg/kg | 100000 | NE | NE | NE | NE | 120000 | < 355 | < 363 | < 360 | < 390 | < 391 |
| Fluoranthene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 100000 | 1000000 | < 71.7 | < 73.4 | < 72.8 | < 78.9 | < 79.0 |
| Fluorene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 30000 | 386000 | < 71.7 | < 73.4 | < 72.8 | < 78.9 | < 79.0 |
| Hexachlorobenzene | µg/kg | 330/410 | 1200 | 6000 | 12000 | 330 | 1400 | < 180 | < 184 | < 182 | < 197 | < 198 |
| Hexachlorobutadiene | µg/kg | NE | NE | NE | NE | NE | NE | < 180 | < 184 | < 182 | < 197 | < 198 |
| Hexachlorocyclopentadiene | µg/kg | NE | NE | NE | NE | NE | NE | < 180 | < 184 | < 182 | < 197 | < 198 |
| Hexachloroethane | µg/kg | NE | NE | NE | NE | NE | NE | < 180 | < 184 | < 182 | < 197 | < 198 |
| Indeno (1,2,3-cd) pyrene | µg/kg | 500 | 500 | 5600 | 11000 | 500 | 8200 | < 71.7 | < 73.4 | < 72.8 | < 78.9 | < 79.0 |
| Isophorone | µg/kg | 100000 | NE | NE | NE | NE | 4400 | < 180 | < 184 | < 182 | < 197 | < 198 |
| 2-Methylnaphthalene | µg/kg | 410 | NE | NE | NE | NE | 36400 | < 71.7 | < 73.4 | < 72.8 | < 78.9 | < 79.0 |
| 2-Methylphenol (o-Cresol) | µg/kg | 100000 | 100000 | 500000 | 1000000 | 330 | 330 | < 355 | < 363 | < 360 | < 390 | < 391 |
| 3 & 4-Methylphenol | µg/kg | NE | NE | NE | NE | NE | NE | < 355 | < 363 | < 360 | < 390 | < 391 |
| Naphthalene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 12000 | 12000 | < 71.7 | < 73.4 | < 72.8 | < 78.9 | < 79.0 |
| 2-Nitroaniline | µg/kg | NE | NE | NE | NE | NE | 400 | < 355 | < 363 | < 360 | < 390 | < 391 |
| 3-Nitroaniline | µg/kg | NE | NE | NE | NE | NE | 500 | < 355 | < 363 | < 360 | < 390 | < 198 |
| 4-Nitroaniline | µg/kg | NE | NE | NE | NE | NE | NE | < 180 | < 184 | < 182 | < 197 | < 198 |
| Nitrobenzene | µg/kg | 3700 | 15000 | 69000 | 140000 | NE | 170 | < 180 | < 184 | < 182 | < 197 | < 198 |
| 2-Nitrophenol | µg/kg | NE | NE | NE | NE | NE | 300 | < 180 | < 184 | < 182 | < 197 | < 198 |
| 4-Nitrophenol | µg/kg | NE | NE | NE | NE | NE | 100 | < 355 | < 363 | < 360 | < 390 | < 391 |
| N-Nitrosodimethylamine | µg/kg | NE | NE | NE | NE | NE | NE | < 180 | < 184 | < 182 | < 197 | < 198 |
| N-Nitrosodi-n-propylamine | µg/kg | NE | NE | NE | NE | NE | NE | < 180 | < 184 | < 182 | < 197 | < 198 |
| N-Nitrosodiphenylamine | µg/kg | NE | NE | NE | NE | NE | NE | < 355 | < 363 | < 360 | < 390 | < 391 |
| Pentachlorophenol | µg/kg | 2400 | 6700 | 6700 | 55000 | 800 | 800 | < 355 | < 363 | **402** | < 390 | < 391 |
| Phenanthrene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 100000 | 1000000 | < 71.7 | < 73.4 | < 72.8 | < 78.9 | < 79.0 |
| Phenol | µg/kg | 100000 | 100000 | 500000 | 1000000 | 330 | 330 | < 355 | < 363 | < 360 | < 390 | < 391 |
| Pyrene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 100000 | 1000000 | < 71.7 | < 73.4 | < 72.8 | < 78.9 | < 79.0 |
| Pyridine | µg/kg | NE | NE | NE | NE | NE | NE | < 355 | < 363 | < 360 | < 390 | < 391 |
| 1,2,4-Trichlorobenzene | µg/kg | NE | NE | NE | NE | NE | 3400 | < 355 | < 73.4 | < 360 | < 78.9 | < 391 |
| 1-Methylnaphthalene | µg/kg | NE | NE | NE | NE | NE | NE | < 71.7 | < 73.4 | < 72.8 | < 78.9 | < 79.0 |
| 2,4,5-Trichlorophenol | µg/kg | 100000 | NE | NE | NE | NE | 100 | < 355 | < 363 | < 360 | < 390 | < 391 |
| 2,4,6-Trichlorophenol | µg/kg | NE | NE | NE | NE | NE | NE | < 180 | < 184 | < 182 | < 197 | < 198 |
| Pentachloronitrobenzene | µg/kg | NE | NE | NE | NE | NE | NE | < 355 | < 363 | < 360 | < 390 | < 391 |
| 1,2,4,5-Tetrachlorobenzene | µg/kg | NE | NE | NE | NE | NE | NE | < 355 | < 363 | < 360 | < 390 | < 391 |
| 1,4-Dioxane | µg/kg | 9800 | 13000 | 130000 | 250000 | 100 | NE | < 3.2 | < 3.8 | < 3.3 | **12** | **7.4** |
| **Classical Chemistry** | | | | | | | | | | | | |
| Total Cyanide | mg/kg | 27 | 27 | 27 | 10000 | 27 | 40 | < 0.26 | < 0.26 | < 0.27 | < 0.26 | < 0.29 |
| Reactive Cyanide | mg/kg | NE | NE | NE | NE | NE | NE | < 25.0 | < 25.0 | < 25.0 | < 25.0 | < 25.0 |
| Reactive Sulfide | mg/kg | NE | NE | NE | NE | NE | NE | < 20.0 | < 20.0 | < 20.0 | < 20.0 | < 20.0 |
| Corrosivity | SU | NE | NE | NE | NE | NE | NE | **5.4** | **5.6** | **5.6** | **6.8** | **6.9** |
| Free Liquid | N/A | NE | NE | NE | NE | NE | NE | **Negative** | **Negative** | **Negative** | **Negative** | **Negative** |
| Oxidation Reduction Potential | mV | NE | NE | NE | NE | NE | NE | **549** | **440** | **448** | **559** | **555** |
| Ignitability by Definition | N/A | NE | NE | NE | NE | NE | NE | **Negative** | **Negative** | **Negative** | **Negative** | **Negative** |

Notes
1. "<" indicates the parameter is not detected.
2."NE" indicates a standard for the parameter is not established.
3. "NT" indicates that the parameter was not tested for.
4. Bold values indicate the constituent was detected above the laboratory reporting limit. Yellow highlight indicates an exceedance of NYDEC's CP-51 Residential Use Cleanup Objective.
Orange highlight indicates an exceedance of NYDEC's CP-51 Unrestricted Use Cleanup Objective
5. PCB criteria apply to total PCBs.
6. "BD" indicates the soil sample is a blind duplicate sample.
7. "J" indicates the result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

**Table 12-Composite Sample Results**
**South Fork Export Cable-Substation**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | SC60535-10 | SC60535-11 | SC60534-14 | SC60534-15 |
|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | | | | | | | COMP-35 | | COMP-34/35-1 | COMP-34/35-2 |
| Matrix: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | Composite Soil | Composite Soil | Composite Soil | Composite Soil |
| Sample Location: | | | | | | | SB-35A/SB-35B | SB-35A/SB-35B | SB-34C/SB-35C | SB-34C/SB-35C |
| Sample Depth: | | | | | | | 0-2.5 ft | 2.5-5 ft | 0-6 ft | 6-12 ft |
| Sample Date: | | | | | | | 1/21/2021 | 1/21/2021 | 1/20/2021 | 1/20/2021 |
| **Extractable Petroleum Hydrocarbons (NJDEP 3546)** | | | | | | | | | | |
| C12-C16 Aliphatics | mg/kg | NE | NE | NE | NE | NE | < 2.2 | < 2.2 | < 2.1 | < 2.2 |
| C16-C21 Aliphatics | mg/kg | NE | NE | NE | NE | NE | < 2.2 | < 2.2 | < 2.1 | < 2.2 |
| C21-C40 Aliphatics | mg/kg | NE | NE | NE | NE | NE | < 2.2 | < 2.2 | < 2.1 | < 2.2 |
| C9-C12 Aliphatics | mg/kg | NE | NE | NE | NE | NE | < 2.2 | < 2.2 | < 2.1 | < 2.2 |
| Total Aliphatics | mg/kg | NE | NE | NE | NE | NE | < 2.0 | < 2.0 | < 2.0 | < 2.0 |
| Total Aromatics | mg/kg | NE | NE | NE | NE | NE | < 2.0 | < 2.0 | < 2.0 | < 2.0 |
| Total EPH | mg/kg | NE | NE | NE | NE | NE | < 2.0 | < 2.0 | < 2.0 | < 2.0 |
| **TCLP Metals (SW846 1311/6010C/1311/7470A)** | | | | | | | | | | |
| Silver | mg/L | NE | NE | NE | NE | NE | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 |
| Arsenic | mg/L | NE | NE | NE | NE | NE | < 0.0150 | < 0.0150 | < 0.0150 | < 0.0150 |
| Barium | mg/L | NE | NE | NE | NE | NE | **0.0803** | < 0.100 | **0.0766** | **0.165** |
| Cadmium | mg/L | NE | NE | NE | NE | NE | < 0.0025 | < 0.0025 | < 0.0025 | < 0.0025 |
| Chromium | mg/L | NE | NE | NE | NE | NE | < 0.050 | < 0.0500 | < 0.050 | < 0.050 |
| Mercury | mg/L | NE | NE | NE | NE | NE | < 0.00050 | < 0.00050 | < 0.00050 | < 0.00050 |
| Lead | mg/L | NE | NE | NE | NE | NE | **0.0181** | **0.0130** | **0.0206** | < 0.0075 |
| Selenium | mg/L | NE | NE | NE | NE | NE | < 0.0150 | < 0.0150 | < 0.0150 | < 0.0150 |
| **TCLP Pesticides (SW846 1311/8081B)** | | | | | | | | | | |
| gamma-BHC (Lindane) | µg/L | NE | NE | NE | NE | NE | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| Heptachlor | µg/L | NE | NE | NE | NE | NE | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| Heptachlor epoxide | µg/L | NE | NE | NE | NE | NE | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| Dieldrin | µg/L | NE | NE | NE | NE | NE | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| 4,4'-DDE (p,p') | µg/L | NE | NE | NE | NE | NE | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| Endrin | µg/L | NE | NE | NE | NE | NE | < 0.500 | < 0.500 | < 0.500 | < 0.500 |
| 4,4'-DDD (p,p') | µg/L | NE | NE | NE | NE | NE | < 0.500 | < 0.500 | < 0.500 | < 0.500 |
| 4,4'-DDT (p,p') | µg/L | NE | NE | NE | NE | NE | < 0.500 | < 0.500 | < 0.500 | < 0.500 |
| Methoxychlor | µg/L | NE | NE | NE | NE | NE | < 0.500 | < 0.500 | < 0.500 | < 0.500 |
| Endrin ketone | µg/L | NE | NE | NE | NE | NE | < 0.500 | < 0.500 | < 0.500 | < 0.500 |
| Endrin aldehyde | µg/L | NE | NE | NE | NE | NE | < 0.500 | < 0.500 | < 0.500 | < 0.500 |
| Toxaphene | µg/L | NE | NE | NE | NE | NE | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Chlordane | µg/L | NE | NE | NE | NE | NE | < 2.50 | < 2.50 | < 2.50 | < 2.50 |
| **TCLP Semi-Volatile Organic Carbons (SW846 1311/8270D)** | | | | | | | | | | |
| 1,4-Dichlorobenzene | µg/L | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| 2,4-Dinitrotoluene | µg/L | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| Hexachlorobenzene | µg/L | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| Hexachlorobutadiene | µg/L | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| Hexachloroethane | µg/L | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| 2-Methylphenol | µg/L | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| 3 & 4-Methylphenol | µg/L | NE | NE | NE | NE | NE | < 100 | < 100 | < 100 | < 100 |
| Nitrobenzene | µg/L | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| Pentachlorophenol | µg/L | NE | NE | NE | NE | NE | < 200 | < 200 | < 200 | < 200 |
| Pyridine | µg/L | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| 2,4,5-Trichlorophenol | µg/L | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 |
| 2,4,6-Trichlorophenol | µg/L | NE | NE | NE | NE | NE | < 50.0 | < 50.0 | < 50.0 | < 50.0 |

**Table 12-Composite Sample Results**
**South Fork Export Cable-Substation**
**GZA Job No. 41.0162804.02**

| Lab ID: | | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | SC60535-10 | SC60535-11 | SC60534-14 | SC60534-15 |
|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | UNITS | | | | | | COMP-35 | | COMP-34/35-1 | COMP-34/35-2 |
| Matrix: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | Composite Soil | Composite Soil | Composite Soil | Composite Soil |
| Sample Location: | | | | | | | SB-35A/SB-35B | SB-35A/SB-35B | SB-34C/SB-35C | SB-34C/SB-35C |
| Sample Depth: | | | | | | | 0-2.5 ft | 2.5-5 ft | 0-6 ft | 6-12 ft |
| Sample Date: | | | | | | | 1/21/2021 | 1/21/2021 | 1/20/2021 | 1/20/2021 |
| **Metals (SW846 6010C/6010D/7196A/7471B)** | | | | | | | | | | |
| Silver | mg/kg | 36 | 180 | 1500 | 6800 | 2 | < 1.61 | < 1.78 | < 1.62 | < 1.57 |
| Aluminum | mg/kg | NE | NE | NE | NE | NE | **3,960** | **3,770** | **2,010** | **2,270** |
| Arsenic | mg/kg | 16 | 16 | 16 | 16 | 13 | < 1.61 | < 1.78 | < 1.62 | **< 1.57** |
| Barium | mg/kg | 350 | 400 | 400 | 10000 | 350 | **5.99** | **5.64** | **2.34** | **6.60** |
| Beryllium | mg/kg | 14 | 72 | 590 | 2700 | 7.2 | < 0.538 | < 0.593 | < 0.539 | < 0.524 |
| Calcium | mg/kg | NE | NE | NE | NE | NE | **65.3** | **79.8** | **40.9** | **62.4** |
| Cadmium | mg/kg | 2.5 | 4.3 | 9.3 | 60 | 2.5 | < 0.538 | < 0.593 | < 0.539 | < 0.524 |
| Cobalt | mg/kg | 30 | NE | NE | NE | NE | < 1.08 | < 1.19 | < 1.08 | < 1.05 |
| Chromium | mg/kg | NE | NE | NE | NE | NE | **2.65** | **3.34** | **1.36** | **2.88** |
| Copper | mg/kg | 270 | 270 | 270 | 10000 | 50 | **1.23** | **1.22** | < 1.08 | **1.48** |
| Iron | mg/kg | 2000 | NE | NE | NE | NE | **2,820** | **2,970** | **1,410** | **2,780** |
| Mercury | mg/kg | 0.81 | 0.81 | 2.8 | 5.7 | 0.18 | < 0.0335 | < 0.333 | < 0.0355 | < 0.0320 |
| Potassium | mg/kg | NE | NE | NE | NE | NE | **92.1** | **123** | **55.1** | **142** |
| Magnesium | mg/kg | NE | NE | NE | NE | NE | **221** | **406** | **103** | **336** |
| Manganese | mg/kg | 2000 | 2000 | 10000 | 10000 | 1600 | **22.0** | **26.8** | **13.8** | **31.4** |
| Sodium | mg/kg | NE | NE | NE | NE | NE | < 80.7 | < 89.0 | < 80.8 | < 78.6 |
| Nickel | mg/kg | 140 | 310 | 310 | 10000 | 30 | **1.55** | **2.28** | < 1.08 | **1.57** |
| Lead | mg/kg | 400 | 400 | 1000 | 3900 | 63 | **3.55** | **1.96** | < 1.62 | < 1.57 |
| Antimony | mg/kg | NE | NE | NE | NE | NE | < 5.38 | < 5.93 | < 5.39 | < 5.24 |
| Selenium | mg/kg | 36 | 180 | 1500 | 6800 | 3.9 | < 1.61 | < 1.78 | < 1.62 | < 1.57 |
| Thallium | mg/kg | NE | NE | NE | NE | NE | < 3.23 | < 3.56 | < 3.23 | < 3.14 |
| Vanadium | mg/kg | 100 | NE | NE | NE | NE | **5.06** | **6.28** | **2.54** | **4.63** |
| Zinc | mg/kg | 2200 | 10000 | 10000 | 10000 | 109 | **4.19** | **5.20** | < 3.23 | **4.22** |
| Cr (VI) | mg/kg | 22 | 110 | 400 | 800 | 1 | <2.20 | <2.20 | < 2.1 | < 2.2 |
| Trivalent Chromium | mg/kg | 36 | 180 | 1500 | 6800 | 30 | <2.42 | <3.08 | < 1.29 | < 2.59 |
| **Pesticides (SW846 8081B)** | | | | | | | | | | |
| alpha-BHC | µg/kg | 97 | 480 | 3400 | 6800 | 20 | < 5.42 | < 5.15 | < 5.23 | < 5.55 |
| beta-BHC | µg/kg | 72 | 360 | 3000 | 14000 | 36 | < 5.42 | < 5.15 | < 5.23 | < 5.55 |
| delta-BHC | µg/kg | 100000 | 100000 | 500000 | 1000000 | 40 | < 5.42 | < 5.15 | < 5.23 | < 5.55 |
| gamma-BHC (Lindane) | µg/kg | 280 | 1300 | 9200 | 23000 | 100 | < 3.25 | < 3.09 | < 3.14 | < 3.33 |
| Heptachlor | µg/kg | 420 | 2100 | 15000 | 29000 | 42 | < 5.42 | < 5.15 | < 5.23 | < 5.55 |
| Aldrin | µg/kg | 19 | 97 | 680 | 1400 | 5 | < 5.42 | < 5.15 | < 5.23 | < 5.55 |
| Heptachlor epoxide | µg/kg | 77 | NE | NE | NE | NE | < 5.42 | < 5.15 | < 5.23 | < 5.55 |
| Endosulfan I | µg/kg | 4800 | 24000 | 200000 | 920000 | 2400 | < 5.42 | < 5.15 | < 5.23 | < 5.55 |
| Dieldrin | µg/kg | 39 | 200 | 1400 | 2800 | 5 | < 5.42 | < 5.15 | < 5.23 | < 5.55 |
| 4,4'-DDE (p,p') | µg/kg | 1800 | 8900 | 62000 | 120000 | 3.3 | **7.95** | < 5.15 | < 5.23 | < 5.55 |
| Endrin | µg/kg | 2200 | 11000 | 89000 | 410000 | 14 | < 8.66 | < 8.24 | < 8.36 | < 8.88 |
| Endosulfan II | µg/kg | 4800 | 24000 | 200000 | 920000 | 2400 | < 8.66 | < 8.24 | < 8.36 | < 8.88 |
| 4,4'-DDD (p,p') | µg/kg | 2600 | 13000 | 92000 | 180000 | 3.3 | < 8.66 | < 8.24 | < 8.36 | < 8.88 |
| Endosulfan sulfate | µg/kg | 4800 | 24000 | 200000 | 920000 | 2400 | < 8.66 | < 8.24 | < 8.36 | < 8.88 |
| 4,4'-DDT (p,p') | µg/kg | 1700 | 7900 | 47000 | 94000 | 3.3 | < 8.66 | < 8.24 | < 8.36 | < 8.88 |
| Methoxychlor | µg/kg | 100000 | NE | NE | NE | NE | < 8.66 | < 8.24 | < 8.36 | < 8.88 |
| Endrin ketone | µg/kg | NE | NE | NE | NE | NE | < 8.66 | < 8.24 | < 8.36 | < 8.88 |
| Endrin aldehyde | µg/kg | NE | NE | NE | NE | NE | < 8.66 | < 8.24 | < 8.36 | < 8.88 |
| alpha-Chlordane | µg/kg | 910 | 4200 | 24000 | 47000 | 94 | < 5.42 | < 5.15 | < 5.23 | < 5.55 |
| gamma-Chlordane | µg/kg | 540 | NE | NE | NE | NE | < 5.42 | < 5.15 | < 5.23 | < 5.55 |
| Toxaphene | µg/kg | NE | NE | NE | NE | NE | < 108 | < 103 | < 105 | < 111 |
| Chlordane | µg/kg | NE | NE | NE | NE | NE | < 21.7 | < 20.6 | < 20.9 | < 22.2 |
| Alachlor | µg/kg | NE | NE | NE | NE | NE | < 5.42 | < 5.15 | < 5.23 | < 5.55 |

**Table 12-Composite Sample Results**
**South Fork Export Cable-Substation**
**GZA Job No. 41.0162804.02**

| Lab ID: | | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | SC60535-10 | SC60535-11 | SC60534-14 | SC60534-15 |
|---|---|---|---|---|---|---|---|---|---|---|
| **PARAMETERS** | **UNITS** | | | | | | **COMP-35** | | **COMP-34/35-1** | **COMP-34/35-2** |
| **Matrix:** | | **Residential** | **Restricted Residential** | **Commercial** | **Industrial** | **Unrestricted** | **Composite Soil** | **Composite Soil** | **Composite Soil** | **Composite Soil** |
| **Sample Location:** | | | | | | | **SB-35A/SB-35B** | **SB-35A/SB-35B** | **SB-34C/SB-35C** | **SB-34C/SB-35C** |
| **Sample Depth:** | | | | | | | **0-2.5 ft** | **2.5-5 ft** | **0-6 ft** | **6-12 ft** |
| **Sample Date:** | | | | | | | **1/21/2021** | **1/21/2021** | **1/20/2021** | **1/20/2021** |
| **Polychlorinated Biphenyls (SW846 8082A)** | | | | | | | | | | |
| Aroclor-1016 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | < 21.7 | < 20.5 | < 20.9 | < 22.2 |
| Aroclor-1221 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | < 21.7 | < 20.5 | < 20.9 | < 22.2 |
| Aroclor-1232 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | < 21.7 | < 20.5 | < 20.9 | < 22.2 |
| Aroclor-1242 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | < 21.7 | < 20.5 | < 20.9 | < 22.2 |
| Aroclor-1248 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | < 21.7 | < 20.5 | < 20.9 | < 22.2 |
| Aroclor-1254 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | < 21.7 | < 20.5 | < 20.9 | < 22.2 |
| Aroclor-1260 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | < 21.7 | < 20.5 | < 20.9 | < 22.2 |
| Aroclor-1262 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | < 21.7 | < 20.5 | < 20.9 | < 22.2 |
| Aroclor-1268 | µg/kg | 1000 | 1000 | 1000 | 25000 | 100 | < 21.7 | < 20.5 | < 20.9 | < 22.2 |
| **Herbicides (SW846 8151A)** | | | | | | | | | | |
| 2,4,5-T | µg/kg | NE | NE | NE | NE | NE | < 36 | < 36 | < 35 | < 36 |
| 2,4-D | µg/kg | NE | NE | NE | NE | NE | < 36 | < 36 | < 35 | < 36 |
| Silvex (2,4,5-TP) | µg/kg | NE | NE | NE | NE | NE | < 36 | < 36 | < 35 | < 36 |
| **TCLP Herbicides (SW846 8151A)** | | | | | | | | | | |
| 2,4,5-T | mg/L | NE | NE | NE | NE | NE | < 0.083 | < 0.083 | < 0.083 | < 0.083 |
| 2,4-D | mg/L | NE | NE | NE | NE | NE | < 0.083 | < 0.083 | < 0.083 | < 0.083 |
| Silvex (2,4,5-TP) | mg/L | NE | NE | NE | NE | NE | < 0.083 | < 0.083 | < 0.083 | < 0.083 |
| **Semi-Volatile Organic Compounds (SW846 8270D/8270E)** | | | | | | | | | | |
| Acenaphthene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 20000 | < 72.5 | < 71.3 | < 70.1 | < 72.2 |
| Acenaphthylene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 100000 | < 72.5 | < 71.3 | < 70.1 | < 72.2 |
| Aniline | µg/kg | 48000 | 100000 | 500000 | 1000000 | NE | < 359 | < 353 | < 347 | < 357 |
| Anthracene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 100000 | < 72.5 | < 71.3 | < 70.1 | < 72.2 |
| Azobenzene/Diphenyldiazene | µg/kg | NE | NE | NE | NE | NE | < 359 | < 353 | < 347 | < 357 |
| Benzidine | µg/kg | NE | NE | NE | NE | NE | < 718 | < 705 | < 693 | < 714 |
| Benzo (a) anthracene | µg/kg | 1000 | 1000 | 5600 | 11000 | 1000 | < 72.5 | < 71.3 | < 70.1 | < 72.2 |
| Benzo (a) pyrene | µg/kg | 1000 | 1000 | 1000 | 1100 | 1000 | < 72.5 | < 71.3 | < 70.1 | < 72.2 |
| Benzo (b) fluoranthene | µg/kg | 1000 | 1000 | 5600 | 11000 | 1000 | < 72.5 | < 71.3 | < 70.1 | < 72.2 |
| Benzo (g,h,i) perylene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 100000 | < 72.5 | < 71.3 | < 70.1 | < 72.2 |
| Benzo (k) fluoranthene | µg/kg | 1000 | 3900 | 56000 | 110000 | 800 | < 72.5 | < 353 | < 70.1 | < 72.2 |
| Benzoic acid | µg/kg | 100000 | NE | NE | NE | NE | < 359 | < 353 | < 347 | < 357 |
| Benzyl alcohol | µg/kg | NE | NE | NE | NE | NE | < 359 | < 353 | < 347 | < 357 |
| Bis(2-chloroethoxy)methane | µg/kg | NE | NE | NE | NE | NE | < 359 | < 353 | < 347 | < 357 |
| Bis(2-chloroethyl)ether | µg/kg | NE | NE | NE | NE | NE | < 182 | < 178 | < 175 | < 181 |
| Bis(2-chloroisopropyl)ether | µg/kg | NE | NE | NE | NE | NE | < 182 | < 178 | < 175 | < 181 |
| Bis(2-ethylhexyl)phthalate | µg/kg | 50000 | NE | NE | NE | NE | < 182 | < 178 | < 175 | < 181 |
| 4-Bromophenyl phenyl ether | µg/kg | NE | NE | NE | NE | NE | < 359 | < 353 | < 347 | < 357 |
| Butyl benzyl phthalate | µg/kg | 100000 | NE | NE | NE | NE | < 359 | < 353 | < 347 | < 357 |
| Carbazole | µg/kg | NE | NE | NE | NE | NE | < 182 | < 178 | < 175 | < 181 |
| 4-Chloro-3-methylphenol | µg/kg | NE | NE | NE | NE | NE | < 359 | < 353 | < 347 | < 357 |
| 4-Chloroaniline | µg/kg | 100000 | NE | NE | NE | NE | < 182 | < 178 | < 175 | < 181 |
| 2-Chloronaphthalene | µg/kg | NE | NE | NE | NE | NE | < 359 | < 353 | < 347 | < 357 |
| 2-Chlorophenol | µg/kg | 100000 | NE | NE | NE | NE | < 182 | < 178 | < 175 | < 181 |
| 4-Chlorophenyl phenyl ether | µg/kg | NE | NE | NE | NE | NE | < 359 | < 353 | < 347 | < 357 |
| Chrysene | µg/kg | 1000 | 3900 | 56000 | 110000 | 1000 | < 72.5 | < 71.3 | < 70.1 | < 72.2 |
| Dibenzo (a,h) anthracene | µg/kg | 330 | 330 | 560 | 1100 | 330 | < 72.5 | < 71.3 | < 70.1 | < 72.2 |
| Dibenzofuran | µg/kg | 14000 | 59000 | 350000 | 1000000 | 7000 | < 182 | < 178 | < 175 | < 181 |
| 1,2-Dichlorobenzene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 1100 | < 359 | < 353 | < 347 | < 357 |
| 1,3-Dichlorobenzene | µg/kg | 17000 | 49000 | 280000 | 560000 | 2400 | < 359 | < 353 | < 347 | < 357 |
| 1,4-Dichlorobenzene | µg/kg | 9800 | 13000 | 130000 | 250000 | 1800 | < 359 | < 353 | < 347 | < 357 |
| 3,3´-Dichlorobenzidine | µg/kg | NE | NE | NE | NE | NE | < 359 | < 353 | < 347 | < 357 |
| 2,4-Dichlorophenol | µg/kg | 100000 | NE | NE | NE | NE | < 359 | < 178 | < 175 | < 181 |
| Diethyl phthalate | µg/kg | 100000 | NE | NE | NE | NE | < 359 | < 353 | < 347 | < 357 |
| Dimethyl phthalate | µg/kg | 100000 | NE | NE | NE | NE | < 359 | < 353 | < 347 | < 357 |
| 2,4-Dimethylphenol | µg/kg | NE | NE | NE | NE | NE | < 359 | < 353 | < 347 | < 357 |
| Di-n-butyl phthalate | µg/kg | 100000 | NE | NE | NE | NE | < 359 | < 353 | < 347 | < 357 |
| **Semi-Volatile Organic Compounds (SW846 8270D/8270E)** | | | | | | | | | | |
| 4,6-Dinitro-2-methylphenol | µg/kg | NE | NE | NE | NE | NE | < 359 | < 353 | < 347 | < 357 |

**Table 12-Composite Sample Results**
**South Fork Export Cable-Substation**
**GZA Job No. 41.0162804.02**

| Lab ID: | | | | | | | SC60535-10 | SC60535-11 | SC60534-14 | SC60534-15 |
|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | UNITS | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | NYDEC 6 NYCRR Part 375 and CP-51 Soil Cleanup Objectives | COMP-35 | | COMP-34/35-1 | COMP-34/35-2 |
| Matrix: | | Residential | Restricted Residential | Commercial | Industrial | Unrestricted | Composite Soil | Composite Soil | Composite Soil | Composite Soil |
| Sample Location: | | | | | | | SB-35A/SB-35B | SB-35A/SB-35B | SB-34C/SB-35C | SB-34C/SB-35C |
| Sample Depth: | | | | | | | 0-2.5 ft | 2.5-5 ft | 0-6 ft | 6-12 ft |
| Sample Date: | | | | | | | 1/21/2021 | 1/21/2021 | 1/20/2021 | 1/20/2021 |
| 2,4-Dinitrophenol | µg/kg | 100000 | NE | NE | NE | NE | < 359 | < 353 | < 347 | < 357 |
| 2,4-Dinitrotoluene | µg/kg | NE | NE | NE | NE | NE | < 182 | < 178 | < 175 | < 181 |
| 2,6-Dinitrotoluene | µg/kg | 1030 | NE | NE | NE | NE | < 182 | < 178 | < 175 | < 181 |
| Di-n-octyl phthalate | µg/kg | 100000 | NE | NE | NE | NE | < 359 | < 353 | < 347 | < 357 |
| Fluoranthene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 100000 | < 72.5 | < 71.3 | < 70.1 | < 72.2 |
| Fluorene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 30000 | < 72.5 | < 71.3 | < 70.1 | < 72.2 |
| Hexachlorobenzene | µg/kg | 330/410 | 1200 | 6000 | 12000 | 330 | < 182 | < 178 | < 175 | < 181 |
| Hexachlorobutadiene | µg/kg | NE | NE | NE | NE | NE | < 182 | < 178 | < 175 | < 181 |
| Hexachlorocyclopentadiene | µg/kg | NE | NE | NE | NE | NE | < 182 | < 178 | < 175 | < 181 |
| Hexachloroethane | µg/kg | NE | NE | NE | NE | NE | < 182 | < 178 | < 175 | < 181 |
| Indeno (1,2,3-cd) pyrene | µg/kg | 500 | 500 | 5600 | 11000 | 500 | < 72.5 | < 71.3 | < 70.1 | < 72.2 |
| Isophorone | µg/kg | 100000 | NE | NE | NE | NE | < 182 | < 178 | < 175 | < 181 |
| 2-Methylnaphthalene | µg/kg | 410 | NE | NE | NE | NE | < 72.5 | < 71.3 | < 70.1 | < 72.2 |
| 2-Methylphenol (o-Cresol) | µg/kg | 100000 | 100000 | 500000 | 1000000 | 330 | < 359 | < 353 | < 347 | < 357 |
| 3 & 4-Methylphenol | µg/kg | NE | NE | NE | NE | NE | < 359 | < 353 | < 347 | < 357 |
| Naphthalene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 12000 | < 72.5 | < 71.3 | < 70.1 | < 72.2 |
| 2-Nitroaniline | µg/kg | NE | NE | NE | NE | NE | < 359 | < 353 | < 347 | < 357 |
| 3-Nitroaniline | µg/kg | NE | NE | NE | NE | NE | < 359 | < 353 | < 347 | < 357 |
| 4-Nitroaniline | µg/kg | NE | NE | NE | NE | NE | < 182 | < 178 | < 175 | < 181 |
| Nitrobenzene | µg/kg | 3700 | 15000 | 69000 | 140000 | NE | < 182 | < 178 | < 175 | < 181 |
| 2-Nitrophenol | µg/kg | NE | NE | NE | NE | NE | < 182 | < 178 | < 175 | < 181 |
| 4-Nitrophenol | µg/kg | NE | NE | NE | NE | NE | < 359 | < 353 | < 347 | < 357 |
| N-Nitrosodimethylamine | µg/kg | NE | NE | NE | NE | NE | < 182 | < 178 | < 175 | < 181 |
| N-Nitrosodi-n-propylamine | µg/kg | NE | NE | NE | NE | NE | < 182 | < 178 | < 175 | < 181 |
| N-Nitrosodiphenylamine | µg/kg | NE | NE | NE | NE | NE | < 359 | < 353 | < 347 | < 357 |
| Pentachlorophenol | µg/kg | 2400 | 6700 | 6700 | 55000 | 800 | < 359 | < 353 | < 347 | < 357 |
| Phenanthrene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 100000 | < 72.5 | < 71.3 | < 70.1 | < 72.2 |
| Phenol | µg/kg | 100000 | 100000 | 500000 | 1000000 | 330 | < 359 | < 353 | < 347 | < 357 |
| Pyrene | µg/kg | 100000 | 100000 | 500000 | 1000000 | 100000 | < 72.5 | < 71.3 | < 70.1 | < 72.2 |
| Pyridine | µg/kg | NE | NE | NE | NE | NE | < 359 | < 353 | < 347 | < 357 |
| 1,2,4-Trichlorobenzene | µg/kg | NE | NE | NE | NE | NE | < 72.5 | < 353 | < 347 | < 357 |
| 1-Methylnaphthalene | µg/kg | NE | NE | NE | NE | NE | < 72.5 | < 71.3 | < 70.1 | < 72.2 |
| 2,4,5-Trichlorophenol | µg/kg | 100000 | NE | NE | NE | NE | < 359 | < 353 | < 347 | < 357 |
| 2,4,6-Trichlorophenol | µg/kg | NE | NE | NE | NE | NE | < 182 | < 178 | < 175 | < 181 |
| Pentachloronitrobenzene | µg/kg | NE | NE | NE | NE | NE | < 359 | < 353 | < 347 | < 357 |
| 1,2,4,5-Tetrachlorobenzene | µg/kg | NE | NE | NE | NE | NE | < 359 | < 353 | < 347 | < 357 |
| 1,4-Dioxane | µg/kg | 9800 | 13000 | 130000 | 250000 | 100 | < 3.2 | < 3.3 | < 3.1 | < 3.2 |
| **Classical Chemistry** | | | | | | | | | | |
| Total Cyanide | mg/kg | 27 | 27 | 27 | 10000 | 27 | < 0.25 | < 0.26 | < 0.25 | < 0.24 |
| Reactive Cyanide | mg/kg | NE | NE | NE | NE | NE | < 25.0 | < 25.0 | < 25.0 | < 25.0 |
| Reactive Sulfide | mg/kg | NE | NE | NE | NE | NE | < 20.0 | < 20.0 | < 20.0 | < 20.0 |
| Corrosivity | SU | NE | NE | NE | NE | NE | **5.6** | **5.4** | **5.6** | **5.5** |
| Free Liquid | N/A | NE | NE | NE | NE | NE | **Negative** | **Negative** | **Negative** | **Negative** |
| Oxidation Reduction Potential | mV | NE | NE | NE | NE | NE | **603** | **609** | **591** | **574** |
| Ignitability by Definition | N/A | NE | NE | NE | NE | NE | **Negative** | **Negative** | **Negative** | **Negative** |

Notes
1. "<" indicates the parameter is not detected.
2."NE" indicates a standard for the parameter is not established.
3. "NT" indicates that the parameter was not tested for.
4. Bold values indicate the constituent was detected above the laboratory reporting limit. Yellow highlight indicates an exceedance of NYDEC's CP-51 Residential Use Cleanup
Orange highlight indicates an exceedance of NYDEC's CP-51 Unrestricted Use Cleanup Objective
5. PCB criteria apply to total PCBs.
6. "BD" indicates the soil sample is a blind duplicate sample.
7. "J" indicates the result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

**Table 13-Soil QA/QC Results**
**South Fork Export Cable-Substation**
**GZA Job No. 41.0162804.02**

| Lab ID: | UNITS | SC60534-10 | SC60535-01 |
|---|---|---|---|
| PARAMETERS | | Trip Blank | Trip Blank |
| Matrix: | | Trip Blank | Trip Blank |
| Sample Date: | | 1/6/2021 | 1/21/2021 |
| **Volatile Organic Compounds (SW846 8260D)** | | | |
| 1,1,1-Trichloroethane | µg/L | < 1.7 | < 1.0 |
| 1,1,2,2-Tetrachloroethane | µg/L | < 1.7 | < 1.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon) | µg/L | < 1.7 | < 1.0 |
| 1,1,2-Trichloroethane | µg/L | < 1.7 | < 1.0 |
| 1,1-Dichloroethane | µg/L | < 1.7 | < 1.0 |
| 1,1-Dichloroethene | µg/L | < 1.7 | < 1.0 |
| 1,2,3-Trichlorobenzene | µg/L | < 1.7 | < 1.0 |
| 1,2,4-Trichlorobenzene | µg/L | < 1.7 | < 1.0 |
| 1,2,4-Trimethylbenzene | µg/L | < 1.7 | < 1.0 |
| 1,2-Dibromo-3-Chloropropane | µg/L | < 1.7 | < 1.0 |
| 1,2-Dichlorobenzene | µg/L | < 1.7 | < 1.0 |
| 1,2-Dichloroethane | µg/L | < 1.7 | < 1.0 |
| 1,2-Dichloropropane | µg/L | < 1.7 | < 1.0 |
| 1,3,5-Trimethylbenzene | µg/L | < 1.7 | < 1.0 |
| 1,3-Dichlorobenzene | µg/L | < 1.7 | < 1.0 |
| 1,4-Dichlorobenzene | µg/L | < 1.7 | < 1.0 |
| 1,4-Dioxane | µg/L | < 33 | < 20 |
| 2-Butanone (MEK) | µg/L | < 8.3 | < 5.0 |
| 2-Hexanone | µg/L | < 8.3 | < 5.0 |
| 4-Isopropyltoluene | µg/L | < 1.7 | < 1.0 |
| 4-Methyl-2-pentanone (MIBK) | µg/L | < 8.3 | < 5.0 |
| Acetone | µg/L | **370** | **1,100** |
| Benzene | µg/L | < 1.7 | < 1.0 |
| Bromoform | µg/L | < 1.7 | < 1.0 |
| Bromomethane | µg/L | < 3.3 | < 2.0 |
| Carbon disulfide | µg/L | < 1.7 | < 1.0 |
| Carbon tetrachloride | µg/L | < 1.7 | < 1.0 |
| Chlorobenzene | µg/L | < 1.7 | < 1.0 |
| Chlorobromomethane | µg/L | < 1.7 | < 1.0 |
| Chlorodibromomethane | µg/L | < 1.7 | < 1.0 |
| Chloroethane | µg/L | < 1.7 | < 1.0 |
| Chloroform | µg/L | < 1.7 | < 1.0 |
| Chloromethane | µg/L | **3.2** | < 1.0 |
| cis-1,2-Dichloroethene | µg/L | < 1.7 | < 1.0 |
| cis-1,3-Dichloropropene | µg/L | < 1.7 | < 1.0 |
| Cyclohexane | µg/L | < 1.7 | < 1.0 |
| Dichlorobromomethane | µg/L | < 1.7 | < 1.0 |
| Dichlorodifluoromethane | µg/L | < 1.7 | < 1.0 |
| Ethylbenzene | µg/L | < 1.7 | < 1.0 |
| Ethylene Dibromide (1,2-Dibromoethane, EDB) | µg/L | < 1.7 | < 1.0 |
| Isopropylbenzene | µg/L | < 1.7 | < 1.0 |
| Methyl acetate | µg/L | < 8.3 | < 5.0 |
| Methyl tert-butyl ether | µg/L | < 1.7 | < 1.0 |
| Methylcyclohexane | µg/L | < 1.7 | < 1.0 |
| Methylene Chloride | µg/L | < 3.3 | < 2.0 |
| m-Xylene & p-Xylene | µg/L | < 1.7 | < 1.0 |
| Naphthalene | µg/L | < 2.5 | < 1.5 |
| n-Butylbenzene | µg/L | < 1.7 | < 1.0 |
| **Volatile Organic Compounds (SW846 8260D)** | | | |
| N-Propylbenzene | µg/L | < 1.7 | < 1.0 |
| o-Xylene | µg/L | < 1.7 | < 1.0 |
| sec-Butylbenzene | µg/L | < 1.7 | < 1.0 |
| Styrene | µg/L | < 1.7 | < 1.0 |
| tert-Butylbenzene | µg/L | < 1.7 | < 1.0 |
| Tetrachloroethene | µg/L | < 1.7 | < 1.0 |
| Toluene | µg/L | **1.8** | **0.28 J** |
| trans-1,2-Dichloroethene | µg/L | < 1.7 | < 1.0 |
| trans-1,3-Dichloropropene | µg/L | < 1.7 | < 1.0 |
| Trichloroethene | µg/L | < 1.7 | < 1.0 |
| Trichlorofluoromethane | µg/L | < 1.7 | < 1.0 |
| Vinyl chloride | µg/L | < 1.7 | < 1.0 |
| Xylenes, Total | µg/L | < 3.3 | < 2.0 |

Notes
1. "<" indicates the parameter is not detected.
2. "NT" indicates that the parameter was not tested for.
3. Bold values indicate the consituent was detected above the laboratory reporting limit.

**Table 14-Groundwater Sample Results**
**South Fork Export Cable-Substation**
**GZA Job No. 41.0162804.02**

| Lab ID: | | | SC60536-02/-04 | SC60533-01 | SC60533-02 | SC60533-03 | SC60533-04 | SC60536-01 | SC60533-05 | SC60536-03 |
|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | UNITS | NY Ambient Water Quality Standards and Guidance Values | MW-32A | SUB-5 | SUB-8 | SUB-10 | TB | TB | EB012121(Polyethene Bailer) | EB012221 (Grundfos Pump) |
| Matrix: | | | Ground Water | Ground Water | Ground Water | Ground Water | Trip Blank | Trip Blank | PFAS Free Water | Deionized Water |
| Well Screen Depth: | | GA | 34-50 ft bgs | 30-50 ft bgs | 30-50 ft bgs | 30-50 ft bgs | | | | |
| Sample Date: | | | 1/22/2021 | 1/21/2021 | 1/21/2021 | 1/21/2021 | 1/21/2021 | 1/22/2021 | 1/21/2021 | 1/22/2021 |
| **Per- and Polyfluoroalkyl Substances (EPA PFC_IDA)** | | | | | | | | | | |
| 1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2) | ng/L | 100 | < 1.72 | < 1.66 | < 1.83 | < 1.85 | NT | NT | < 1.64 | NT |
| 1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2) | ng/L | 100 | < 4.29 | **27.7** | **331** | **82.9** | NT | NT | < 4.10 | NT |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtF | ng/L | 100 | < 4.29 | < 4.16 | < 4.58 | < 4.63 | NT | NT | < 4.10 | NT |
| N-methylperfluorooctanesulfonamidoacetic acid (NMe | ng/L | 100 | < 4.29 | < 4.16 | < 4.58 | < 4.63 | NT | NT | < 4.10 | NT |
| Perfluorobutanesulfonic acid (PFBS) | ng/L | 100 | < 1.72 | < 1.66 | < 1.83 | < 1.85 | NT | NT | < 1.64 | NT |
| Perfluorobutanoic acid (PFBA) | ng/L | 100 | < 4.29 | **1.28 J** | **2.27 J** | **2.05 J** | NT | NT | < 4.10 | NT |
| Perfluorodecanesulfonic acid (PFDS) | ng/L | 100 | < 1.72 | < 1.66 | < 1.83 | < 1.85 | NT | NT | < 1.64 | NT |
| Perfluorodecanoic acid (PFDA) | ng/L | 100 | < 1.72 | < 1.66 | < 1.83 | < 1.85 | NT | NT | < 1.64 | NT |
| Perfluorododecanoic acid (PFDoA) | ng/L | 100 | < 1.72 | < 1.66 | < 1.83 | < 1.85 | NT | NT | < 1.64 | NT |
| Perfluoroheptanesulfonic Acid (PFHpS) | ng/L | 100 | < 1.72 | < 1.66 | < 1.83 | < 1.85 | NT | NT | < 1.64 | NT |
| Perfluoroheptanoic acid (PFHpA) | ng/L | 100 | < 1.72 | **0.51 J** | **1.65 J** | **0.83 J** | NT | NT | < 1.64 | NT |
| Perfluorohexanesulfonic acid (PFHxS) | ng/L | 100 | < 1.72 | < 1.66 | < 1.83 | < 1.85 | NT | NT | < 1.64 | NT |
| Perfluorohexanoic acid (PFHxA) | ng/L | 100 | < 1.72 | **3.41** | **17.1** | **4.34** | NT | NT | < 1.64 | NT |
| Perfluorononanoic acid (PFNA) | ng/L | 100 | < 1.72 | < 1.66 | < 1.83 | < 1.85 | NT | NT | < 1.64 | NT |
| Perfluorooctanesulfonamide (PFOSA) | ng/L | 100 | < 1.72 | < 1.66 | < 1.83 | < 1.85 | NT | NT | < 1.64 | NT |
| Perfluorooctanesulfonic acid (PFOS) | ng/L | 10 | **1.57 J** | **1.23 J** | **4.26** | **1.11 J** | NT | NT | **0.98 J** | NT |
| Perfluorooctanoic acid (PFOA) | ng/L | 10 | < 1.72 | **0.85 J** | < 1.83 | < 1.85 | NT | NT | < 1.64 | NT |
| Perfluoropentanoic acid (PFPeA) | ng/L | 100 | < 1.72 | < 1.66 | **1.04 J** | **1.0 J** | NT | NT | < 1.64 | NT |
| Perfluorotetradecanoic acid (PFTeA) | ng/L | 100 | < 1.72 | < 1.66 | < 1.83 | < 1.85 | NT | NT | < 1.64 | NT |
| Perfluorotridecanoic acid (PFTriA) | ng/L | 100 | < 1.72 | < 1.66 | < 1.83 | < 1.85 | NT | NT | < 1.64 | NT |
| Perfluoroundecanoic acid (PFUnA) | ng/L | 100 | < 1.72 | < 1.66 | < 1.83 | < 1.85 | NT | NT | < 1.64 | NT |
| PFOS and PFOA | ng/L | 70 [8] | **1.57** | **2.08** | **4.26** | **1.11** | NT | NT | **0.98** | NT |
| Total PFAS | ng/L | 500 | **1.57** | **34.98** | **357.32** | **92.23** | NT | NT | **0.98** | NT |
| **Total Metals (SW846 6010C/7196A,EPA 245.1/7470A)** | | | | | | | | | | |
| Silver | mg/L | 0.05 | < 0.0200 | < 0.0100 | < 0.0100 | < 0.0100 | NT | NT | NT | < 0.0200 |
| Aluminum | mg/L | NE | < 0.0900 | **2.94** | **1.78** | **52.3** | NT | NT | NT | < 0.0900 |
| Arsenic | mg/L | 0.025 | < 0.00800 | < 0.03000 | < 0.03000 | < 0.0300 | NT | NT | NT | < 0.00800 |
| Barium | mg/L | 1 | **0.0308** | **0.0613** | **0.0182** | **0.220** | NT | NT | NT | < 0.0100 |
| Beryllium | mg/L | 0.003 | < 0.0040 | < 0.0040 | < 0.0040 | **0.0053** | NT | NT | NT | < 0.0040 |
| Calcium | mg/L | NE | **7.55** | **9.56** | **3.18** | **23.4** | NT | NT | NT | < 0.500 |
| Cobalt | mg/L | NE | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | NT | NT | NT | < 0.0050 |
| Cadmium | mg/L | 0.005 | < 0.0100 | < 0.0100 | < 0.0100 | **0.0146** | NT | NT | NT | < 0.0100 |
| Chromium | mg/L | 0.05 | < 0.0100 | **0.0132** | **0.0141** | **0.807** | NT | NT | NT | < 0.0100 |
| Copper | mg/L | 0.2 | < 0.0100 | < 0.0100 | < 0.0100 | **0.0426** | NT | NT | NT | < 0.0100 |
| Iron | mg/L | 0.3 | **0.472** | **2.75** | **1.02** | **36.9** | NT | NT | NT | < 0.100 |
| Potassium | mg/L | NE | **1.88** | **2.14** | < 1.00 | **5.60** | NT | NT | NT | < 1.00 |
| Magnesium | mg/L | 35 | **2.60** | **4.68** | **1.84** | **12.10** | NT | NT | NT | < 0.0500 |
| Manganese | mg/L | 0.3 | **0.618** | **0.163** | **0.0729** | **0.654** | NT | NT | NT | < 0.0100 |
| Sodium | mg/L | 20 | **12.3** | **18.5** | **13.90** | **70.50** | NT | NT | NT | < 2.00 |
| Nickel | mg/L | 0.1 | < 0.0100 | **0.0118** | < 0.0100 | **0.490** | NT | NT | NT | < 0.0100 |
| Lead | mg/L | 0.025 | < 0.0150 | < 0.0150 | < 0.0150 | **0.0477** | NT | NT | NT | < 0.0150 |
| Antimony | mg/L | 0.003 | < 0.0120 | < 0.0120 | < 0.0120 | < 0.0120 | NT | NT | NT | < 0.0120 |
| Selenium | mg/L | 0.01 | < 0.0300 | < 0.0300 | < 0.0300 | < 0.0300 | NT | NT | NT | < 0.0300 |
| Thallium | mg/L | 0.0005 | < 0.0100 | < 0.0100 | < 0.0100 | < 0.0100 | NT | NT | NT | < 0.0100 |
| Vanadium | mg/L | NE | < 0.0100 | < 0.0100 | < 0.0100 | **0.0322** | NT | NT | NT | < 0.0100 |
| Zinc | mg/L | 2 | < 0.0200 | < 0.0200 | < 0.0200 | **0.0859** | NT | NT | NT | < 0.0200 |
| Cr (VI) | µg/L | 50 | < 10.0 | < 10.0 | < 10.0 | < 100 | NT | NT | NT | < 10.0 |
| Mercury | mg/L | 0.0007 | < 0.00050 | < 0.00050 | < 0.00050 | < 0.00050 | NT | NT | NT | < 0.00500 |
| **Dissolved Metals-Laboratory Filtered (SW846 6010C/7196A,EPA 245.1/7470A)** | | | | | | | | | | |
| Silver | mg/L | 0.05 | < 0.0100 | < 0.0100 | NT | < 0.0100 | NT | NT | NT | NT |
| Aluminum | mg/L | NE | NT | < 0.0500 | NT | **0.505** | NT | NT | NT | NT |
| Arsenic | mg/L | 0.025 | NT | < 0.03000 | NT | < 0.03000 | NT | NT | NT | NT |
| Barium | mg/L | 1 | NT | **0.0356** | NT | **0.0165** | NT | NT | NT | NT |
| Beryllium | mg/L | 0.003 | NT | < 0.0040 | NT | < 0.0040 | NT | NT | NT | NT |
| Calcium | mg/L | NE | NT | **9.05** | NT | **8.83** | NT | NT | NT | NT |
| Cobalt | mg/L | NE | NT | < 0.0050 | NT | < 0.0050 | NT | NT | NT | NT |
| Cadmium | mg/L | 0.005 | NT | < 0.0100 | NT | < 0.0100 | NT | NT | NT | NT |
| Chromium | mg/L | 0.05 | NT | < 0.0100 | NT | < 0.0100 | NT | NT | NT | NT |
| Copper | mg/L | 0.2 | NT | < 0.0100 | NT | < 0.0100 | NT | NT | NT | NT |
| Iron | mg/L | 0.3 | NT | **0.152** | NT | **0.264** | NT | NT | NT | NT |
| Potassium | mg/L | NE | NT | **1.9** | NT | **2.29** | NT | NT | NT | NT |
| Magnesium | mg/L | 35 | NT | **3.8** | NT | **1.91** | NT | NT | NT | NT |
| Manganese | mg/L | 0.3 | NT | **0.14** | NT | **0.0468** | NT | NT | NT | NT |
| Sodium | mg/L | 20 | NT | **20.8** | NT | **60.7** | NT | NT | NT | NT |
| Nickel | mg/L | 0.1 | NT | < 0.0100 | NT | < 0.0100 | NT | NT | NT | NT |
| Lead | mg/L | 0.025 | NT | < 0.0150 | NT | < 0.0150 | NT | NT | NT | NT |
| Antimony | mg/L | 0.003 | NT | < 0.0120 | NT | < 0.0120 | NT | NT | NT | NT |
| Selenium | mg/L | 0.01 | NT | < 0.0300 | NT | < 0.0300 | NT | NT | NT | NT |
| Thallium | mg/L | 0.0005 | NT | < 0.0100 | NT | < 0.0100 | NT | NT | NT | NT |
| Vanadium | mg/L | NE | NT | < 0.0100 | NT | < 0.0100 | NT | NT | NT | NT |
| Zinc | mg/L | 2 | NT | < 0.0200 | NT | < 0.0200 | NT | NT | NT | NT |
| Mercury | mg/L | 0.0007 | NT | < 0.00050 | NT | < 0.00050 | NT | NT | NT | NT |

**Table 14-Groundwater Sample Results**
**South Fork Export Cable-Substation**
**GZA Job No. 41.0162804.02**

| Lab ID: | | | SC60536-02/-04 | SC60533-01 | SC60533-02 | SC60533-03 | SC60533-04 | SC60536-01 | SC60533-05 | SC60536-03 |
|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | UNITS | NY Ambient Water Quality Standards and Guidance Values | MW-32A | SUB-5 | SUB-8 | SUB-10 | TB | TB | EB012121(Polyethene Bailer) | EB012221 (Grundfos Pump) |
| Matrix: | | | Ground Water | Ground Water | Ground Water | Ground Water | Trip Blank | Trip Blank | PFAS Free Water | Deionized Water |
| Well Screen Depth: | | GA | 34-50 ft bgs | 30-50 ft bgs | 30-50 ft bgs | 30-50 ft bgs | | | | |
| Sample Date: | | | 1/22/2021 | 1/21/2021 | 1/21/2021 | 1/21/2021 | 1/21/2021 | 1/22/2021 | 1/21/2021 | 1/22/2021 |
| **Pesticides (SW846 8081B)** | | | | | | | | | | |
| alpha-BHC | µg/L | NE | < 0.025 | < 0.025 | < 0.025 | < 0.025 | NT | NT | NT | NT |
| beta-BHC | µg/L | NE | < 0.025 | < 0.025 | < 0.025 | < 0.025 | NT | NT | NT | NT |
| delta-BHC | µg/L | NE | < 0.025 | < 0.025 | < 0.025 | < 0.025 | NT | NT | NT | NT |
| gamma-BHC (Lindane) | µg/L | NE | < 0.025 | < 0.025 | < 0.025 | < 0.025 | NT | NT | NT | NT |
| Heptachlor | µg/L | 0.04 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | NT | NT | NT | NT |
| Aldrin | µg/L | ND | < 0.025 | < 0.025 | < 0.025 | < 0.025 | NT | NT | NT | NT |
| Heptachlor epoxide | µg/L | 0.03 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | NT | NT | NT | NT |
| Endosulfan I | µg/L | NE | < 0.025 | < 0.025 | < 0.025 | < 0.025 | NT | NT | NT | NT |
| Dieldrin | µg/L | 0.004 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | NT | NT | NT | NT |
| 4,4'-DDE (p,p') | µg/L | 0.2 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | NT | NT | NT | NT |
| Endrin | µg/L | ND | < 0.050 | < 0.050 | < 0.050 | < 0.050 | NT | NT | NT | NT |
| Endosulfan II | µg/L | NE | < 0.050 | < 0.050 | < 0.050 | < 0.050 | NT | NT | NT | NT |
| 4,4'-DDD (p,p') | µg/L | 0.3 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | NT | NT | NT | NT |
| Endosulfan sulfate | µg/L | NE | < 0.050 | < 0.050 | < 0.050 | < 0.050 | NT | NT | NT | NT |
| 4,4'-DDT (p,p') | µg/L | 0.2 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | NT | NT | NT | NT |
| Methoxychlor | µg/L | 35 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | NT | NT | NT | NT |
| Endrin ketone | µg/L | 5 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | NT | NT | NT | NT |
| Endrin aldehyde | µg/L | 5 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | NT | NT | NT | NT |
| alpha-Chlordane | µg/L | NE | < 0.025 | < 0.025 | < 0.025 | < 0.025 | NT | NT | NT | NT |
| gamma-Chlordane | µg/L | NE | < 0.025 | < 0.025 | < 0.025 | < 0.025 | NT | NT | NT | NT |
| Toxaphene | µg/L | 0.06 | < 0.526 | < 0.526 | < 0.526 | < 0.526 | NT | NT | NT | NT |
| Chlordane | µg/L | 0.05 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | NT | NT | NT | NT |
| Alachlor | µg/L | 0.5 | < 0.025 | < 0.025 | < 0.025 | < 0.025 | NT | NT | NT | NT |
| **Polychlorinated Biphenyls (SW846 8082A)** | | | | | | | | | | |
| Aroclor-1016 | µg/L | 5 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | NT | NT | NT | NT |
| Aroclor-1221 | µg/L | 5 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | NT | NT | NT | NT |
| Aroclor-1232 | µg/L | 5 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | NT | NT | NT | NT |
| Aroclor-1242 | µg/L | 5 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | NT | NT | NT | NT |
| Aroclor-1248 | µg/L | 5 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | NT | NT | NT | NT |
| Aroclor-1254 | µg/L | 5 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | NT | NT | NT | NT |
| Aroclor-1260 | µg/L | 5 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | NT | NT | NT | NT |
| Aroclor-1262 | µg/L | 5 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | NT | NT | NT | NT |
| Aroclor-1268 | µg/L | 5 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | NT | NT | NT | NT |

**Table 14-Groundwater Sample Results**
**South Fork Export Cable-Substation**
**GZA Job No. 41.0162804.02**

| Lab ID: | | | SC60536-02/-04 | SC60533-01 | SC60533-02 | SC60533-03 | SC60533-04 | SC60536-01 | SC60533-05 | SC60536-03 |
|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | UNITS | NY Ambient Water Quality Standards and Guidance Values | MW-32A | SUB-5 | SUB-8 | SUB-10 | TB | TB | EB012121(Polyethene Bailer) | EB012221 (Grundfos Pump) |
| Matrix: | | | Ground Water | Ground Water | Ground Water | Ground Water | Trip Blank | Trip Blank | PFAS Free Water | Deionized Water |
| Well Screen Depth: | | GA | 34-50 ft bgs | 30-50 ft bgs | 30-50 ft bgs | 30-50 ft bgs | | | | |
| Sample Date: | | | 1/22/2021 | 1/21/2021 | 1/21/2021 | 1/21/2021 | 1/21/2021 | 1/22/2021 | 1/21/2021 | 1/22/2021 |
| **Volatile Organic Compounds (SW846 8260C)** | | | | | | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | µg/L | NE | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | NT | < 1.00 |
| Acetone | µg/L | 50 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | NT | < 10.0 |
| Benzene | µg/L | 1 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | NT | < 1.00 |
| Bromochloromethane | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | NT | < 1.00 |
| Bromodichloromethane | µg/L | 50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NT | < 0.50 |
| Bromoform | µg/L | 50 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | NT | < 1.00 |
| Bromomethane | µg/L | 5 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | NT | < 2.00 |
| 2-Butanone (MEK) | µg/L | 50 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | NT | < 2.00 |
| n-Butylbenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | NT | < 1.00 |
| sec-Butylbenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | NT | < 1.00 |
| tert-Butylbenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | NT | < 1.00 |
| Carbon disulfide | µg/L | 60 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | NT | < 2.00 |
| Carbon tetrachloride | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | NT | < 1.00 |
| Chlorobenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | NT | < 1.00 |
| Chloroethane | µg/L | 5 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | NT | < 2.00 |
| Chloroform | µg/L | 7 | **2.67** | **4.51** | **17.9** | **2.37** | < 1.00 | < 1.00 | NT | < 1.00 |
| Chloromethane | µg/L | NE | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | NT | < 2.00 |
| 1,2-Dibromo-3-chloropropane | µg/L | 0.04 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | NT | < 2.00 |
| Dibromochloromethane | µg/L | 50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NT | < 0.50 |
| 1,2-Dibromoethane (EDB) | µg/L | 0.0006 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NT | < 0.50 |
| 1,2-Dichlorobenzene | µg/L | 3 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | NT | < 1.00 |
| 1,3-Dichlorobenzene | µg/L | 3 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | NT | < 1.00 |
| 1,4-Dichlorobenzene | µg/L | 3 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | NT | < 1.00 |
| Dichlorodifluoromethane (Freon12) | µg/L | 5 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | NT | < 2.00 |
| 1,1-Dichloroethane | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | NT | < 1.00 |
| 1,2-Dichloroethane | µg/L | 0.6 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | NT | < 1.00 |
| 1,1-Dichloroethene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | NT | < 1.00 |
| cis-1,2-Dichloroethene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | NT | < 1.00 |
| trans-1,2-Dichloroethene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | NT | < 1.00 |
| 1,2-Dichloropropane | µg/L | 1 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | NT | < 1.00 |
| cis-1,3-Dichloropropene | µg/L | NE | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NT | < 0.50 |
| trans-1,3-Dichloropropene | µg/L | NE | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NT | < 0.50 |
| Ethylbenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | NT | < 1.00 |
| 2-Hexanone (MBK) | µg/L | 50 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | NT | < 2.00 |
| Isopropylbenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | NT | < 1.00 |
| 4-Isopropyltoluene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | NT | < 1.00 |
| Methyl tert-butyl ether | µg/L | 10 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | NT | < 1.00 |
| 4-Methyl-2-pentanone (MIBK) | µg/L | NE | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | NT | < 2.00 |
| Methylene chloride | µg/L | 5 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | NT | < 2.00 |
| Naphthalene | µg/L | 10 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | NT | < 2.00 |
| n-Propylbenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | NT | < 1.00 |
| Styrene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | NT | < 1.00 |
| 1,1,2,2-Tetrachloroethane | µg/L | 5 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NT | < 0.50 |
| Tetrachloroethene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | NT | < 1.00 |
| Toluene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | NT | < 1.00 |
| 1,2,3-Trichlorobenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | NT | < 1.00 |
| 1,2,4-Trichlorobenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | NT | < 1.00 |
| 1,1,1-Trichloroethane | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | NT | < 1.00 |
| 1,1,2-Trichloroethane | µg/L | 1 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | NT | < 1.00 |
| Trichloroethene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | NT | < 1.00 |
| Trichlorofluoromethane (Freon 11) | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | NT | < 1.00 |
| 1,2,4-Trimethylbenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | NT | < 1.00 |
| 1,3,5-Trimethylbenzene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | NT | < 1.00 |
| Vinyl chloride | µg/L | 2 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | NT | < 1.00 |
| m,p-Xylene | µg/L | 5 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 | NT | < 2.00 |
| o-Xylene | µg/L | 5 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 | NT | < 1.00 |
| Cyclohexane | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | NT | < 5.00 |
| Methyl acetate | µg/L | NE | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | NT | < 10.0 |
| Methylcyclohexane | µg/L | NE | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 | NT | < 5.00 |

**Table 14-Groundwater Sample Results**
**South Fork Export Cable-Substation**
**GZA Job No. 41.0162804.02**

| Lab ID: | | | SC60536-02/-04 | SC60533-01 | SC60533-02 | SC60533-03 | SC60533-04 | SC60536-01 | SC60533-05 | SC60536-03 |
|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | UNITS | NY Ambient Water Quality Standards and Guidance Values | MW-32A | SUB-5 | SUB-8 | SUB-10 | TB | TB | EB012121(Polyethene Bailer) | EB012221 (Grundfos Pump) |
| Matrix: | | | Ground Water | Ground Water | Ground Water | Ground Water | Trip Blank | Trip Blank | PFAS Free Water | Deionized Water |
| Well Screen Depth: | | GA | 34-50 ft bgs | 30-50 ft bgs | 30-50 ft bgs | 30-50 ft bgs | | | | |
| Sample Date: | | | 1/22/2021 | 1/21/2021 | 1/21/2021 | 1/21/2021 | 1/21/2021 | 1/22/2021 | 1/21/2021 | 1/22/2021 |
| **Semi-Volatile Organic Compounds (SW846 8270D/8270E)** | | | | | | | | | | |
| Acenaphthene | µg/L | 20 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| Acenaphthylene | µg/L | NE | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| Aniline | µg/L | 5 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| Anthracene | µg/L | 50 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| Azobenzene/Diphenyldiazene | µg/L | 5 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| Benzidine | µg/L | 5 | < 10.0 | < 10.5 | < 10.0 | < 10.0 | NT | NT | NT | < 15.4 |
| Benzo (a) anthracene | µg/L | 0.002 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| Benzo (a) pyrene | µg/L | NE | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| Benzo (b) fluoranthene | µg/L | 0.002 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| Benzo (g,h,i) perylene | µg/L | NE | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| Benzo (k) fluoranthene | µg/L | 0.002 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| Benzoic acid | µg/L | NE | < 10.0 | < 10.5 | < 10.0 | < 10.0 | NT | NT | NT | < 15.4 |
| Benzyl alcohol | µg/L | NE | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| Bis(2-chloroethoxy)methane | µg/L | 5 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| Bis(2-chloroethyl)ether | µg/L | 1 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| Bis(2-chloroisopropyl)ether | µg/L | NE | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| Bis(2-ethylhexyl)phthalate | µg/L | 5 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| 4-Bromophenyl phenyl ether | µg/L | NE | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| Butyl benzyl phthalate | µg/L | 50 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| Carbazole | µg/L | NE | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| 4-Chloro-3-methylphenol | µg/L | NE | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| 4-Chloroaniline | µg/L | 5 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| 2-Chloronaphthalene | µg/L | 10 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| 2-Chlorophenol | µg/L | NE | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| 4-Chlorophenyl phenyl ether | µg/L | NE | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| Chrysene | µg/L | 0.002 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| Dibenzo (a,h) anthracene | µg/L | NE | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| Dibenzofuran | µg/L | NE | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| 1,2-Dichlorobenzene | µg/L | 3 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| 1,3-Dichlorobenzene | µg/L | 3 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| 1,4-Dichlorobenzene | µg/L | 3 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| 3,3`-Dichlorobenzidine | µg/L | 5 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| 2,4-Dichlorophenol | µg/L | 5 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| Diethyl phthalate | µg/L | 50 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| Dimethyl phthalate | µg/L | 50 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| 2,4-Dimethylphenol | µg/L | 50 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| Di-n-butyl phthalate | µg/L | 50 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| 4,6-Dinitro-2-methylphenol | µg/L | NE | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| 2,4-Dinitrophenol | µg/L | 10 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| 2,4-Dinitrotoluene | µg/L | 5 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| 2,6-Dinitrotoluene | µg/L | 5 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| Di-n-octyl phthalate | µg/L | 50 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| Fluoranthene | µg/L | 50 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| Fluorene | µg/L | 50 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| Hexachlorobenzene | µg/L | 0.04 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| Hexachlorobutadiene | µg/L | 0.5 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| Hexachlorocyclopentadiene | µg/L | 5 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| Hexachloroethane | µg/L | 5 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| Indeno (1,2,3-cd) pyrene | µg/L | 0.002 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| Isophorone | µg/L | 50 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| 2-Methylnaphthalene | µg/L | NE | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| 2-Methylphenol | µg/L | NE | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| 3 & 4-Methylphenol | µg/L | NE | < 10.0 | < 10.0 | < 10.0 | < 10.0 | NT | NT | NT | < 15.4 |
| Naphthalene | µg/L | 10 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| 2-Nitroaniline | µg/L | 5 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| 3-Nitroaniline | µg/L | 5 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| 4-Nitroaniline | µg/L | 5 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| Nitrobenzene | µg/L | 0.4 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| 2-Nitrophenol | µg/L | NE | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |

**Table 14-Groundwater Sample Results**
**South Fork Export Cable-Substation**
**GZA Job No. 41.0162804.02**

| Lab ID: | | | SC60536-02/-04 | SC60533-01 | SC60533-02 | SC60533-03 | SC60533-04 | SC60536-01 | SC60533-05 | SC60536-03 |
|---|---|---|---|---|---|---|---|---|---|---|
| PARAMETERS | UNITS | NY Ambient Water Quality Standards and Guidance Values | MW-32A | SUB-5 | SUB-8 | SUB-10 | TB | TB | EB012121(Polyethene Bailer) | EB012221 (Grundfos Pump) |
| Matrix: | | | Ground Water | Ground Water | Ground Water | Ground Water | Trip Blank | Trip Blank | PFAS Free Water | Deionized Water |
| Well Screen Depth: | | GA | 34-50 ft bgs | 30-50 ft bgs | 30-50 ft bgs | 30-50 ft bgs | | | | |
| Sample Date: | | | 1/22/2021 | 1/21/2021 | 1/21/2021 | 1/21/2021 | 1/21/2021 | 1/22/2021 | 1/21/2021 | 1/22/2021 |
| **Semi-Volatile Organic Compounds (SW846 8270D/8270E)** | | | | | | | | | | |
| 4-Nitrophenol | µg/L | NE | < 20.0 | < 21.1 | < 20.0 | < 20.0 | NT | NT | NT | < 30.8 |
| N-Nitrosodimethylamine | µg/L | NE | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| N-Nitrosodi-n-propylamine | µg/L | NE | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| N-Nitrosodiphenylamine | µg/L | NE | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| Pentachlorophenol | µg/L | 1 | < 20.0 | < 21.1 | < 20.0 | < 20.0 | NT | NT | NT | < 30.8 |
| Phenanthrene | µg/L | 50 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| Phenol | µg/L | 1 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| Pyrene | µg/L | 50 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| Pyridine | µg/L | 50 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| 1,2,4-Trichlorobenzene | µg/L | 5 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| 1-Methylnaphthalene | µg/L | NE | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| 2,4,5-Trichlorophenol | µg/L | NE | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| 2,4,6-Trichlorophenol | µg/L | NE | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| Pentachloronitrobenzene | µg/L | ND | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| 1,2,4,5-Tetrachlorobenzene | µg/L | 5 | < 5.00 | < 5.26 | < 5.00 | < 5.00 | NT | NT | NT | < 7.69 |
| 1,4-Dioxane | µg/L | 1 | < 0.20 | **0.045 J** | **0.37** | < 0.20 | NT | NT | NT | NT |
| **Herbicides (SW846 8151A)** | | | | | | | | | | |
| 2,4,5-T | µg/L | NE | < 1.2 | < 1.2 | < 1.2 | < 1.2 | NT | NT | NT | < 1.2 |
| 2,4-D | µg/L | NE | < 1.2 | < 1.2 | < 1.2 | < 1.2 | NT | NT | NT | < 1.2 |
| Silvex (2,4,5-TP) | µg/L | NE | < 1.2 | < 1.2 | < 1.2 | < 1.2 | NT | NT | NT | < 1.2 |
| **Classical Chemistry (SW846 9012B)** | | | | | | | | | | |
| Cyanide, Total | mg/L | 0.2 | < 0.010 | < 0.010 | **0.018** | < 0.010 | NT | NT | NT | NT |

Notes
1. "<" indicates the parameter is not detected.
2."NE" indicates a standard for the parameter is not established.
3. "NT" indicates that the parameter was not tested for.
4. Bold values indicate the constituent was detected above the laboratory reporting limit. Yellow highlight indicates an exceedance of NY's GA Ambient Water Quality Standards and Guidance Values. Orange highlight
5. "BD" indicates the soil sample is a blind duplicate sample.
6. "J" indicates the result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
7. Phenolic compound criteria apply to total phenols.
8. NYSDEC Screening Levels and United States Environmental Protection Agency Drinking Water Health Advisory for PFOA and PFAS. A guidance value of 100 ng/L was used for any PFAS compound (excluding PFOS and PFOA) and a guidance value of 500 ng/L was used for total PFAS, as described in NYDEC's Sampling, Analysis and Assessment of Per- and Polyfluoroalkyl Substances (PFAS), dated January 2021.