

**APPENDIX G**  
**ENDPOINT SAMPLE LABORATORY**  
**RESULTS**

**REMOVAL ACTION REPORT**

**ROBERTO CLEMENTE TOWN PARK**  
**400 BROADWAY**  
**BRENTWOOD, NY 11717**

**SEPTEMBER 21, 2015**



# Technical Report

prepared for:

**Enviroscience Consultants, Inc.**

2150 Smithtown Avenue

Ronkonkoma NY, 11779

**Attention: Greg Menegio**

Report Date: 07/17/2015

**Client Project ID: Roberto Clemente**

York Project (SDG) No.: 15G0410

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 07/17/2015  
Client Project ID: Roberto Clemente  
York Project (SDG) No.: 15G0410

**Enviroscience Consultants, Inc.**  
2150 Smithtown Avenue  
Ronkonkoma NY, 11779  
Attention: Greg Menegio

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on July 10, 2015 and listed below. The project was identified as your project: **Roberto Clemente**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

| <u>York Sample ID</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Date Collected</u> | <u>Date Received</u> |
|-----------------------|-------------------------|---------------|-----------------------|----------------------|
| 15G0410-01            | Endpoint 1              | Soil          | 07/09/2015            | 07/10/2015           |
| 15G0410-02            | Endpoint 2              | Soil          | 07/09/2015            | 07/10/2015           |
| 15G0410-03            | Endpoint 3              | Soil          | 07/09/2015            | 07/10/2015           |

## General Notes for York Project (SDG) No.: 15G0410

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:



Benjamin Gulizia  
Laboratory Director

Date: 07/17/2015





## Sample Information

**Client Sample ID:** Endpoint 1

**York Sample ID:** 15G0410-01

York Project (SDG) No.

15G0410

Client Project ID

Roberto Clemente

Matrix

Soil

Collection Date/Time

July 9, 2015 10:30 am

Date Received

07/10/2015

### Volatile Organics, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.   | Parameter                      | Result    | Flag | Units     | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|--------------------------------|-----------|------|-----------|------------------------|-----|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 71-55-6   | 1,1,1-Trichloroethane          | ND        |      | ug/kg dry | 2.8                    | 5.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 03:40      | BK      |
| 75-34-3   | 1,1-Dichloroethane             | ND        |      | ug/kg dry | 2.8                    | 5.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 03:40      | BK      |
| 75-35-4   | 1,1-Dichloroethylene           | ND        |      | ug/kg dry | 2.8                    | 5.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 03:40      | BK      |
| 95-63-6   | 1,2,4-Trimethylbenzene         | ND        |      | ug/kg dry | 2.8                    | 5.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/15/2015 16:48      | 07/16/2015 03:40      | BK      |
| 95-50-1   | 1,2-Dichlorobenzene            | ND        |      | ug/kg dry | 2.8                    | 5.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 03:40      | BK      |
| 107-06-2  | 1,2-Dichloroethane             | ND        |      | ug/kg dry | 2.8                    | 5.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 03:40      | BK      |
| 108-67-8  | 1,3,5-Trimethylbenzene         | ND        |      | ug/kg dry | 2.8                    | 5.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/15/2015 16:48      | 07/16/2015 03:40      | BK      |
| 541-73-1  | 1,3-Dichlorobenzene            | ND        |      | ug/kg dry | 2.8                    | 5.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 03:40      | BK      |
| 106-46-7  | 1,4-Dichlorobenzene            | ND        |      | ug/kg dry | 2.8                    | 5.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 03:40      | BK      |
| 123-91-1  | 1,4-Dioxane                    | ND        |      | ug/kg dry | 110                    | 230 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 07/15/2015 16:48      | 07/16/2015 03:40      | BK      |
| 78-93-3   | 2-Butanone                     | ND        |      | ug/kg dry | 2.8                    | 5.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/15/2015 16:48      | 07/16/2015 03:40      | BK      |
| 67-64-1   | Acetone                        | ND        |      | ug/kg dry | 5.6                    | 11  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/15/2015 16:48      | 07/16/2015 03:40      | BK      |
| 71-43-2   | Benzene                        | ND        |      | ug/kg dry | 2.8                    | 5.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 03:40      | BK      |
| 56-23-5   | Carbon tetrachloride           | ND        |      | ug/kg dry | 2.8                    | 5.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 03:40      | BK      |
| 108-90-7  | Chlorobenzene                  | ND        |      | ug/kg dry | 2.8                    | 5.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 03:40      | BK      |
| 67-66-3   | Chloroform                     | ND        |      | ug/kg dry | 2.8                    | 5.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 03:40      | BK      |
| 156-59-2  | cis-1,2-Dichloroethylene       | ND        |      | ug/kg dry | 2.8                    | 5.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/15/2015 16:48      | 07/16/2015 03:40      | BK      |
| 100-41-4  | Ethyl Benzene                  | ND        |      | ug/kg dry | 2.8                    | 5.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 03:40      | BK      |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND        |      | ug/kg dry | 2.8                    | 5.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/15/2015 16:48      | 07/16/2015 03:40      | BK      |
| 75-09-2   | <b>Methylene chloride</b>      | <b>28</b> |      | ug/kg dry | 5.6                    | 11  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 03:40      | BK      |
| 91-20-3   | Naphthalene                    | ND        |      | ug/kg dry | 2.8                    | 11  | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 07/15/2015 16:48      | 07/16/2015 03:40      | BK      |



## Sample Information

**Client Sample ID:**    **Endpoint 1**

**York Sample ID:**    **15G0410-01**

York Project (SDG) No.

15G0410

Client Project ID

Roberto Clemente

Matrix

Soil

Collection Date/Time

July 9, 2015 10:30 am

Date Received

07/10/2015

### Volatile Organics, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.     | Parameter                  | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-------------|----------------------------|--------|------|-----------|------------------------|-----|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 104-51-8    | n-Butylbenzene             | ND     |      | ug/kg dry | 2.8                    | 5.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/15/2015 16:48      | 07/16/2015 03:40      | BK      |
| 103-65-1    | n-Propylbenzene            | ND     |      | ug/kg dry | 2.8                    | 5.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/15/2015 16:48      | 07/16/2015 03:40      | BK      |
| 95-47-6     | o-Xylene                   | ND     |      | ug/kg dry | 2.8                    | 5.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 07/15/2015 16:48      | 07/16/2015 03:40      | BK      |
| 179601-23-1 | p- & m- Xylenes            | ND     |      | ug/kg dry | 5.6                    | 11  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 07/15/2015 16:48      | 07/16/2015 03:40      | BK      |
| 135-98-8    | sec-Butylbenzene           | ND     |      | ug/kg dry | 2.8                    | 5.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/15/2015 16:48      | 07/16/2015 03:40      | BK      |
| 98-06-6     | tert-Butylbenzene          | ND     |      | ug/kg dry | 2.8                    | 5.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/15/2015 16:48      | 07/16/2015 03:40      | BK      |
| 127-18-4    | Tetrachloroethylene        | ND     |      | ug/kg dry | 2.8                    | 5.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 03:40      | BK      |
| 108-88-3    | Toluene                    | ND     |      | ug/kg dry | 5.6                    | 11  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 03:40      | BK      |
| 156-60-5    | trans-1,2-Dichloroethylene | ND     |      | ug/kg dry | 2.8                    | 5.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/15/2015 16:48      | 07/16/2015 03:40      | BK      |
| 79-01-6     | Trichloroethylene          | ND     |      | ug/kg dry | 2.8                    | 5.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 03:40      | BK      |
| 75-01-4     | Vinyl Chloride             | ND     |      | ug/kg dry | 2.8                    | 5.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 03:40      | BK      |
| 1330-20-7   | Xylenes, Total             | ND     |      | ug/kg dry | 8.4                    | 17  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 03:40      | BK      |

#### **Surrogate Recoveries**

#### **Result**

#### **Acceptance Range**

|            |                                  |        |        |
|------------|----------------------------------|--------|--------|
| 17060-07-0 | Surrogate: 1,2-Dichloroethane-d4 | 102 %  | 77-125 |
| 2037-26-5  | Surrogate: Toluene-d8            | 99.6 % | 85-120 |
| 460-00-4   | Surrogate: p-Bromofluorobenzene  | 93.8 % | 76-130 |

### Semi-Volatiles, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter                 | Result      | Flag | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|---------------------------|-------------|------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 83-32-9  | Acenaphthene              | ND          |      | ug/kg dry | 42.5                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 13:41      | KH      |
| 208-96-8 | Acenaphthylene            | ND          |      | ug/kg dry | 42.5                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 13:41      | KH      |
| 120-12-7 | Anthracene                | ND          |      | ug/kg dry | 42.5                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 13:41      | KH      |
| 56-55-3  | <b>Benzo(a)anthracene</b> | <b>50.1</b> | J    | ug/kg dry | 42.5                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 13:41      | KH      |
| 50-32-8  | Benzo(a)pyrene            | ND          |      | ug/kg dry | 42.5                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 13:41      | KH      |



## Sample Information

**Client Sample ID:** Endpoint 1

**York Sample ID:** 15G0410-01

York Project (SDG) No.  
15G0410

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
July 9, 2015 10:30 am

Date Received  
07/10/2015

### Semi-Volatiles, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter              | Result      | Flag | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|------------------------|-------------|------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 205-99-2   | Benzo(b)fluoranthene   | ND          |      | ug/kg dry | 42.5                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 13:41      | KH      |
| 191-24-2   | Benzo(g,h,i)perylene   | ND          |      | ug/kg dry | 42.5                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 13:41      | KH      |
| 207-08-9   | Benzo(k)fluoranthene   | ND          |      | ug/kg dry | 42.5                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 13:41      | KH      |
| 218-01-9   | Chrysene               | ND          |      | ug/kg dry | 42.5                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 13:41      | KH      |
| 53-70-3    | Dibenzo(a,h)anthracene | ND          |      | ug/kg dry | 42.5                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 13:41      | KH      |
| 132-64-9   | Dibenzofuran           | ND          |      | ug/kg dry | 42.5                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/15/2015 07:19      | 07/17/2015 13:41      | KH      |
| 206-44-0   | <b>Fluoranthene</b>    | <b>75.2</b> | J    | ug/kg dry | 42.5                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 13:41      | KH      |
| 86-73-7    | Fluorene               | ND          |      | ug/kg dry | 42.5                   | 84.7 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP       | 07/15/2015 07:19      | 07/17/2015 13:41      | KH      |
| 118-74-1   | Hexachlorobenzene      | ND          |      | ug/kg dry | 42.5                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 13:41      | KH      |
| 193-39-5   | Indeno(1,2,3-cd)pyrene | ND          |      | ug/kg dry | 42.5                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 13:41      | KH      |
| 95-48-7    | 2-Methylphenol         | ND          |      | ug/kg dry | 42.5                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 13:41      | KH      |
| 65794-96-9 | 3- & 4-Methylphenols   | ND          |      | ug/kg dry | 42.5                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/15/2015 07:19      | 07/17/2015 13:41      | KH      |
| 91-20-3    | Naphthalene            | ND          |      | ug/kg dry | 42.5                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/15/2015 07:19      | 07/17/2015 13:41      | KH      |
| 87-86-5    | Pentachlorophenol      | ND          |      | ug/kg dry | 42.5                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 13:41      | KH      |
| 85-01-8    | Phenanthrene           | ND          |      | ug/kg dry | 42.5                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 13:41      | KH      |
| 108-95-2   | Phenol                 | ND          |      | ug/kg dry | 42.5                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 13:41      | KH      |
| 129-00-0   | <b>Pyrene</b>          | <b>72.4</b> | J    | ug/kg dry | 42.5                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 13:41      | KH      |

|           | Surrogate Recoveries            | Result | Acceptance Range |
|-----------|---------------------------------|--------|------------------|
| 367-12-4  | Surrogate: 2-Fluorophenol       | 42.8 % | 10-95            |
| 4165-62-2 | Surrogate: Phenol-d5            | 47.9 % | 10-107           |
| 4165-60-0 | Surrogate: Nitrobenzene-d5      | 43.2 % | 10-95            |
| 321-60-8  | Surrogate: 2-Fluorobiphenyl     | 49.4 % | 10-97            |
| 118-79-6  | Surrogate: 2,4,6-Tribromophenol | 34.4 % | 10-103           |
| 1718-51-0 | Surrogate: Terphenyl-d14        | 60.8 % | 19-99            |



## Sample Information

**Client Sample ID:** Endpoint 1

**York Sample ID:** 15G0410-01

York Project (SDG) No.  
15G0410

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
July 9, 2015 10:30 am

Date Received  
07/10/2015

### Pesticides, NYSDEC Part 375 Target List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3545\_A

| CAS No.                     | Parameter                       | Result        | Flag                    | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 72-54-8                     | 4,4'-DDD                        | ND            |                         | ug/kg dry | 2.48    | 2.48               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 14:44      | 07/16/2015 17:08      | AMC     |
| 72-55-9                     | 4,4'-DDE                        | ND            |                         | ug/kg dry | 2.48    | 2.48               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 14:44      | 07/16/2015 17:08      | AMC     |
| 50-29-3                     | 4,4'-DDT                        | ND            |                         | ug/kg dry | 2.48    | 2.48               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 14:44      | 07/16/2015 17:08      | AMC     |
| 309-00-2                    | Aldrin                          | ND            |                         | ug/kg dry | 2.48    | 2.48               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 14:44      | 07/16/2015 17:08      | AMC     |
| 319-84-6                    | alpha-BHC                       | ND            |                         | ug/kg dry | 2.48    | 2.48               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 14:44      | 07/16/2015 17:08      | AMC     |
| 5103-71-9                   | alpha-Chlordane                 | 9.10          |                         | ug/kg dry | 2.48    | 2.48               | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP             | 07/14/2015 14:44      | 07/16/2015 17:08      | AMC     |
| 319-85-7                    | beta-BHC                        | ND            |                         | ug/kg dry | 2.48    | 2.48               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 14:44      | 07/16/2015 17:08      | AMC     |
| 319-86-8                    | delta-BHC                       | ND            |                         | ug/kg dry | 2.48    | 2.48               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 14:44      | 07/16/2015 17:08      | AMC     |
| 60-57-1                     | Dieldrin                        | ND            |                         | ug/kg dry | 2.48    | 2.48               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 14:44      | 07/16/2015 17:08      | AMC     |
| 959-98-8                    | Endosulfan I                    | ND            |                         | ug/kg dry | 2.48    | 2.48               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 14:44      | 07/16/2015 17:08      | AMC     |
| 33213-65-9                  | Endosulfan II                   | ND            |                         | ug/kg dry | 2.48    | 2.48               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 14:44      | 07/16/2015 17:08      | AMC     |
| 1031-07-8                   | Endosulfan sulfate              | ND            |                         | ug/kg dry | 2.48    | 2.48               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 14:44      | 07/16/2015 17:08      | AMC     |
| 72-20-8                     | Endrin                          | ND            |                         | ug/kg dry | 2.48    | 2.48               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 14:44      | 07/16/2015 17:08      | AMC     |
| 58-89-9                     | gamma-BHC (Lindane)             | ND            |                         | ug/kg dry | 2.48    | 2.48               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 14:44      | 07/16/2015 17:08      | AMC     |
| 76-44-8                     | Heptachlor                      | ND            |                         | ug/kg dry | 2.48    | 2.48               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 14:44      | 07/16/2015 17:08      | AMC     |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> | <b>Acceptance Range</b> |           |         |                    |          |                                                              |                       |                       |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 41.4 %        | 30-140                  |           |         |                    |          |                                                              |                       |                       |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 66.7 %        | 30-140                  |           |         |                    |          |                                                              |                       |                       |         |

### Polychlorinated Biphenyls (PCB)

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3545\_A

| CAS No.    | Parameter    | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|--------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 12674-11-2 | Aroclor 1016 | ND     |      | mg/kg dry | 0.0254  | 0.0254             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 07/14/2015 14:44      | 07/15/2015 18:03      | AMC     |
| 11104-28-2 | Aroclor 1221 | ND     |      | mg/kg dry | 0.0254  | 0.0254             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 07/14/2015 14:44      | 07/15/2015 18:03      | AMC     |



## Sample Information

**Client Sample ID:**    **Endpoint 1**

**York Sample ID:**    **15G0410-01**

York Project (SDG) No.  
15G0410

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
July 9, 2015 10:30 am

Date Received  
07/10/2015

### Polychlorinated Biphenyls (PCB)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3545\_A

| CAS No.                     | Parameter                       | Result        | Flag                    | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 11141-16-5                  | Aroclor 1232                    | ND            |                         | mg/kg dry | 0.0254  | 0.0254             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 07/14/2015 14:44      | 07/15/2015 18:03      | AMC     |
| 53469-21-9                  | Aroclor 1242                    | ND            |                         | mg/kg dry | 0.0254  | 0.0254             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 07/14/2015 14:44      | 07/15/2015 18:03      | AMC     |
| 12672-29-6                  | Aroclor 1248                    | ND            |                         | mg/kg dry | 0.0254  | 0.0254             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 07/14/2015 14:44      | 07/15/2015 18:03      | AMC     |
| 11097-69-1                  | Aroclor 1254                    | ND            |                         | mg/kg dry | 0.0254  | 0.0254             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 07/14/2015 14:44      | 07/15/2015 18:03      | AMC     |
| 11096-82-5                  | Aroclor 1260                    | ND            |                         | mg/kg dry | 0.0254  | 0.0254             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 07/14/2015 14:44      | 07/15/2015 18:03      | AMC     |
| 1336-36-3                   | * Total PCBs                    | ND            |                         | mg/kg dry | 0.0254  | 0.0254             | 1        | EPA 8082A<br>Certifications:                                 | 07/14/2015 14:44      | 07/15/2015 18:03      | AMC     |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> | <b>Acceptance Range</b> |           |         |                    |          |                                                              |                       |                       |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 49.3 %        | 30-140                  |           |         |                    |          |                                                              |                       |                       |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 50.2 %        | 30-140                  |           |         |                    |          |                                                              |                       |                       |         |

### Herbicides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

| CAS No.                     | Parameter                                       | Result        | Flag                    | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|-------------------------------------------------|---------------|-------------------------|-----------|---------|--------------------|----------|----------------------------------------------------------------|-----------------------|-----------------------|---------|
| 93-72-1                     | 2,4,5-TP (Silvex)                               | ND            |                         | ug/kg dry | 20.3    | 20.3               | 1        | EPA 8151A m<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/13/2015 06:21      | 07/13/2015 23:44      | AMC     |
| <b>Surrogate Recoveries</b> |                                                 | <b>Result</b> | <b>Acceptance Range</b> |           |         |                    |          |                                                                |                       |                       |         |
| 19719-28-9                  | Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) | 60.8 %        | 30-150                  |           |         |                    |          |                                                                |                       |                       |         |

### Metals, NYSDEC Part 375

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7440-38-2 | Arsenic   | ND     |      | mg/kg dry | 1.02    | 1.02               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 12:16      | 07/14/2015 19:28      | ALD     |
| 7440-39-3 | Barium    | 12.1   |      | mg/kg dry | 1.02    | 1.02               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 12:16      | 07/14/2015 19:28      | ALD     |
| 7440-41-7 | Beryllium | ND     |      | mg/kg dry | 0.102   | 0.102              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/14/2015 12:16      | 07/14/2015 19:28      | ALD     |
| 7440-43-9 | Cadmium   | ND     |      | mg/kg dry | 0.305   | 0.305              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 12:16      | 07/14/2015 19:28      | ALD     |
| 7440-47-3 | Chromium  | 5.13   |      | mg/kg dry | 0.508   | 0.508              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 12:16      | 07/14/2015 19:28      | ALD     |
| 7440-50-8 | Copper    | 5.19   |      | mg/kg dry | 0.508   | 0.508              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/14/2015 12:16      | 07/14/2015 19:28      | ALD     |





## Sample Information

**Client Sample ID:** Endpoint 1

**York Sample ID:** 15G0410-01

York Project (SDG) No.  
15G0410

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
July 9, 2015 10:30 am

Date Received  
07/10/2015

### Metals, NYSDEC Part 375

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7439-92-1 | Lead      | 46.2   |      | mg/kg dry | 0.305   | 0.305              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 12:16      | 07/14/2015 19:28      | ALD     |
| 7439-96-5 | Manganese | 104    |      | mg/kg dry | 0.508   | 0.508              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/14/2015 12:16      | 07/14/2015 19:28      | ALD     |
| 7440-02-0 | Nickel    | 4.28   |      | mg/kg dry | 0.508   | 0.508              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 12:16      | 07/14/2015 19:28      | ALD     |
| 7782-49-2 | Selenium  | ND     |      | mg/kg dry | 1.02    | 1.02               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 12:16      | 07/14/2015 19:28      | ALD     |
| 7440-22-4 | Silver    | ND     |      | mg/kg dry | 0.508   | 0.508              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 12:16      | 07/14/2015 19:28      | ALD     |
| 7440-66-6 | Zinc      | 23.8   |      | mg/kg dry | 1.02    | 1.02               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/14/2015 12:16      | 07/14/2015 19:28      | ALD     |

### Mercury by 7473

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7439-97-6 | Mercury   | ND     |      | mg/kg dry | 0.0305  | 0.0305             | 1        | EPA 7473<br>Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 07/15/2015 08:19      | 07/15/2015 13:36      | ALD     |

### Total Solids

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter  | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                  | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|------------|--------|------|-------|---------|--------------------|----------|-----------------------------------|-----------------------|-----------------------|---------|
| solids  | * % Solids | 98.5   |      | %     | 0.100   | 0.100              | 1        | SM 2540G<br>Certifications: CTDOH | 07/14/2015 09:07      | 07/14/2015 13:25      | SCA     |

### Chromium, Hexavalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW846-3060

| CAS No.    | Parameter            | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                       | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|----------------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------|-----------------------|-----------------------|---------|
| 18540-29-9 | Chromium, Hexavalent | ND     |      | mg/kg dry | 0.355   | 0.508              | 1        | EPA 7196A<br>Certifications: NJDEP,CTDOH,NELAC-NY10854 | 07/13/2015 07:40      | 07/13/2015 14:22      | SC      |

### Chromium, Trivalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

| CAS No.    | Parameter             | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|-----------------------|--------|------|-------|---------|--------------------|----------|--------------------------------|-----------------------|-----------------------|---------|
| 16065-83-1 | * Chromium, Trivalent | 5.13   |      | mg/kg | 0.250   | 0.500              | 1        | Calculation<br>Certifications: | 07/13/2015 14:24      | 07/16/2015 15:35      | SC      |

### Cyanide, Total

#### Log-in Notes:

#### Sample Notes:



## Sample Information

**Client Sample ID:** Endpoint 1

**York Sample ID:** 15G0410-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15G0410

Roberto Clemente

Soil

July 9, 2015 10:30 am

07/10/2015

Sample Prepared by Method: Analysis Preparation Soil

| CAS No. | Parameter      | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|----------------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 57-12-5 | Cyanide, total | ND     |      | mg/kg dry | 0.508   | 0.508              | 1        | EPA 9014/9010C<br>Certifications: NELAC-NY10854,CTDOH,NJDEP | 07/13/2015 10:51      | 07/13/2015 16:53      | AD      |

## Sample Information

**Client Sample ID:** Endpoint 2

**York Sample ID:** 15G0410-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15G0410

Roberto Clemente

Soil

July 9, 2015 10:35 am

07/10/2015

## Volatile Organics, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.  | Parameter              | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|------------------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 71-55-6  | 1,1,1-Trichloroethane  | ND     |      | ug/kg dry | 2.5     | 5.0                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 04:23      | BK      |
| 75-34-3  | 1,1-Dichloroethane     | ND     |      | ug/kg dry | 2.5     | 5.0                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 04:23      | BK      |
| 75-35-4  | 1,1-Dichloroethylene   | ND     |      | ug/kg dry | 2.5     | 5.0                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 04:23      | BK      |
| 95-63-6  | 1,2,4-Trimethylbenzene | ND     |      | ug/kg dry | 2.5     | 5.0                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/15/2015 16:48      | 07/16/2015 04:23      | BK      |
| 95-50-1  | 1,2-Dichlorobenzene    | ND     |      | ug/kg dry | 2.5     | 5.0                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 04:23      | BK      |
| 107-06-2 | 1,2-Dichloroethane     | ND     |      | ug/kg dry | 2.5     | 5.0                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 04:23      | BK      |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND     |      | ug/kg dry | 2.5     | 5.0                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/15/2015 16:48      | 07/16/2015 04:23      | BK      |
| 541-73-1 | 1,3-Dichlorobenzene    | ND     |      | ug/kg dry | 2.5     | 5.0                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 04:23      | BK      |
| 106-46-7 | 1,4-Dichlorobenzene    | ND     |      | ug/kg dry | 2.5     | 5.0                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 04:23      | BK      |
| 123-91-1 | 1,4-Dioxane            | ND     |      | ug/kg dry | 99      | 200                | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 07/15/2015 16:48      | 07/16/2015 04:23      | BK      |
| 78-93-3  | 2-Butanone             | ND     |      | ug/kg dry | 2.5     | 5.0                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/15/2015 16:48      | 07/16/2015 04:23      | BK      |
| 67-64-1  | Acetone                | ND     |      | ug/kg dry | 5.0     | 9.9                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/15/2015 16:48      | 07/16/2015 04:23      | BK      |
| 71-43-2  | Benzene                | ND     |      | ug/kg dry | 2.5     | 5.0                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 04:23      | BK      |
| 56-23-5  | Carbon tetrachloride   | ND     |      | ug/kg dry | 2.5     | 5.0                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 04:23      | BK      |
| 108-90-7 | Chlorobenzene          | ND     |      | ug/kg dry | 2.5     | 5.0                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 04:23      | BK      |



## Sample Information

**Client Sample ID:** Endpoint 2

**York Sample ID:** 15G0410-02

York Project (SDG) No.  
15G0410

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
July 9, 2015 10:35 am

Date Received  
07/10/2015

### Volatile Organics, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.                     | Parameter                        | Result        | Flag                    | Units     | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|----------------------------------|---------------|-------------------------|-----------|------------------------|-----|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 67-66-3                     | Chloroform                       | ND            |                         | ug/kg dry | 2.5                    | 5.0 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 04:23      | BK      |
| 156-59-2                    | cis-1,2-Dichloroethylene         | ND            |                         | ug/kg dry | 2.5                    | 5.0 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/15/2015 16:48      | 07/16/2015 04:23      | BK      |
| 100-41-4                    | Ethyl Benzene                    | ND            |                         | ug/kg dry | 2.5                    | 5.0 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 04:23      | BK      |
| 1634-04-4                   | Methyl tert-butyl ether (MTBE)   | ND            |                         | ug/kg dry | 2.5                    | 5.0 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/15/2015 16:48      | 07/16/2015 04:23      | BK      |
| 75-09-2                     | <b>Methylene chloride</b>        | <b>21</b>     |                         | ug/kg dry | 5.0                    | 9.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 04:23      | BK      |
| 91-20-3                     | Naphthalene                      | ND            |                         | ug/kg dry | 2.5                    | 9.9 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 07/15/2015 16:48      | 07/16/2015 04:23      | BK      |
| 104-51-8                    | n-Butylbenzene                   | ND            |                         | ug/kg dry | 2.5                    | 5.0 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/15/2015 16:48      | 07/16/2015 04:23      | BK      |
| 103-65-1                    | n-Propylbenzene                  | ND            |                         | ug/kg dry | 2.5                    | 5.0 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/15/2015 16:48      | 07/16/2015 04:23      | BK      |
| 95-47-6                     | o-Xylene                         | ND            |                         | ug/kg dry | 2.5                    | 5.0 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 07/15/2015 16:48      | 07/16/2015 04:23      | BK      |
| 179601-23-1                 | p- & m- Xylenes                  | ND            |                         | ug/kg dry | 5.0                    | 9.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 07/15/2015 16:48      | 07/16/2015 04:23      | BK      |
| 135-98-8                    | sec-Butylbenzene                 | ND            |                         | ug/kg dry | 2.5                    | 5.0 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/15/2015 16:48      | 07/16/2015 04:23      | BK      |
| 98-06-6                     | tert-Butylbenzene                | ND            |                         | ug/kg dry | 2.5                    | 5.0 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/15/2015 16:48      | 07/16/2015 04:23      | BK      |
| 127-18-4                    | Tetrachloroethylene              | ND            |                         | ug/kg dry | 2.5                    | 5.0 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 04:23      | BK      |
| 108-88-3                    | Toluene                          | ND            |                         | ug/kg dry | 5.0                    | 9.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 04:23      | BK      |
| 156-60-5                    | trans-1,2-Dichloroethylene       | ND            |                         | ug/kg dry | 2.5                    | 5.0 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/15/2015 16:48      | 07/16/2015 04:23      | BK      |
| 79-01-6                     | Trichloroethylene                | ND            |                         | ug/kg dry | 2.5                    | 5.0 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 04:23      | BK      |
| 75-01-4                     | Vinyl Chloride                   | ND            |                         | ug/kg dry | 2.5                    | 5.0 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 04:23      | BK      |
| 1330-20-7                   | Xylenes, Total                   | ND            |                         | ug/kg dry | 7.4                    | 15  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 04:23      | BK      |
| <b>Surrogate Recoveries</b> |                                  | <b>Result</b> | <b>Acceptance Range</b> |           |                        |     |          |                                                              |                       |                       |         |
| 17060-07-0                  | Surrogate: 1,2-Dichloroethane-d4 | 103 %         | 77-125                  |           |                        |     |          |                                                              |                       |                       |         |
| 2037-26-5                   | Surrogate: Toluene-d8            | 96.9 %        | 85-120                  |           |                        |     |          |                                                              |                       |                       |         |
| 460-00-4                    | Surrogate: p-Bromofluorobenzene  | 92.9 %        | 76-130                  |           |                        |     |          |                                                              |                       |                       |         |

### Semi-Volatiles, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:



## Sample Information

**Client Sample ID:** Endpoint 2

**York Sample ID:** 15G0410-02

York Project (SDG) No.  
15G0410

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
July 9, 2015 10:35 am

Date Received  
07/10/2015

Sample Prepared by Method: EPA 3550C

| CAS No.              | Parameter                   | Result      | Flag             | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------------------|-----------------------------|-------------|------------------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 83-32-9              | Acenaphthene                | ND          |                  | ug/kg dry | 43.6                   | 87.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 12:40      | KH      |
| 208-96-8             | Acenaphthylene              | ND          |                  | ug/kg dry | 43.6                   | 87.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 12:40      | KH      |
| 120-12-7             | Anthracene                  | ND          |                  | ug/kg dry | 43.6                   | 87.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 12:40      | KH      |
| 56-55-3              | <b>Benzo(a)anthracene</b>   | <b>129</b>  |                  | ug/kg dry | 43.6                   | 87.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 12:40      | KH      |
| 50-32-8              | <b>Benzo(a)pyrene</b>       | <b>84.9</b> | J                | ug/kg dry | 43.6                   | 87.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 12:40      | KH      |
| 205-99-2             | <b>Benzo(b)fluoranthene</b> | <b>84.9</b> | J                | ug/kg dry | 43.6                   | 87.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 12:40      | KH      |
| 191-24-2             | Benzo(g,h,i)perylene        | ND          |                  | ug/kg dry | 43.6                   | 87.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 12:40      | KH      |
| 207-08-9             | <b>Benzo(k)fluoranthene</b> | <b>80.0</b> | J                | ug/kg dry | 43.6                   | 87.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 12:40      | KH      |
| 218-01-9             | <b>Chrysene</b>             | <b>130</b>  |                  | ug/kg dry | 43.6                   | 87.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 12:40      | KH      |
| 53-70-3              | Dibenzo(a,h)anthracene      | ND          |                  | ug/kg dry | 43.6                   | 87.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 12:40      | KH      |
| 132-64-9             | Dibenzofuran                | ND          |                  | ug/kg dry | 43.6                   | 87.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/15/2015 07:19      | 07/17/2015 12:40      | KH      |
| 206-44-0             | <b>Fluoranthene</b>         | <b>234</b>  |                  | ug/kg dry | 43.6                   | 87.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 12:40      | KH      |
| 86-73-7              | Fluorene                    | ND          |                  | ug/kg dry | 43.6                   | 87.0 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP       | 07/15/2015 07:19      | 07/17/2015 12:40      | KH      |
| 118-74-1             | Hexachlorobenzene           | ND          |                  | ug/kg dry | 43.6                   | 87.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 12:40      | KH      |
| 193-39-5             | Indeno(1,2,3-cd)pyrene      | ND          |                  | ug/kg dry | 43.6                   | 87.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 12:40      | KH      |
| 95-48-7              | 2-Methylphenol              | ND          |                  | ug/kg dry | 43.6                   | 87.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 12:40      | KH      |
| 65794-96-9           | 3- & 4-Methylphenols        | ND          |                  | ug/kg dry | 43.6                   | 87.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/15/2015 07:19      | 07/17/2015 12:40      | KH      |
| 91-20-3              | Naphthalene                 | ND          |                  | ug/kg dry | 43.6                   | 87.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/15/2015 07:19      | 07/17/2015 12:40      | KH      |
| 87-86-5              | Pentachlorophenol           | ND          |                  | ug/kg dry | 43.6                   | 87.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 12:40      | KH      |
| 85-01-8              | <b>Phenanthrene</b>         | <b>137</b>  |                  | ug/kg dry | 43.6                   | 87.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 12:40      | KH      |
| 108-95-2             | Phenol                      | ND          |                  | ug/kg dry | 43.6                   | 87.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 12:40      | KH      |
| 129-00-0             | <b>Pyrene</b>               | <b>236</b>  |                  | ug/kg dry | 43.6                   | 87.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 12:40      | KH      |
| Surrogate Recoveries |                             | Result      | Acceptance Range |           |                        |      |          |                                                              |                       |                       |         |
| 367-12-4             | Surrogate: 2-Fluorophenol   | 39.3 %      | 10-95            |           |                        |      |          |                                                              |                       |                       |         |



## Sample Information

**Client Sample ID:** Endpoint 2

**York Sample ID:** 15G0410-02

York Project (SDG) No.

15G0410

Client Project ID

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July 9, 2015 10:35 am

Date Received

07/10/2015

### Semi-Volatiles, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.   | Parameter                       | Result | Flag | Units | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|---------------------------------|--------|------|-------|------------------------|-----|----------|------------------|-----------------------|-----------------------|---------|
| 4165-62-2 | Surrogate: Phenol-d5            | 43.5 % |      |       | 10-107                 |     |          |                  |                       |                       |         |
| 4165-60-0 | Surrogate: Nitrobenzene-d5      | 41.8 % |      |       | 10-95                  |     |          |                  |                       |                       |         |
| 321-60-8  | Surrogate: 2-Fluorobiphenyl     | 46.4 % |      |       | 10-97                  |     |          |                  |                       |                       |         |
| 118-79-6  | Surrogate: 2,4,6-Tribromophenol | 29.4 % |      |       | 10-103                 |     |          |                  |                       |                       |         |
| 1718-51-0 | Surrogate: Terphenyl-d14        | 52.0 % |      |       | 19-99                  |     |          |                  |                       |                       |         |

### Pesticides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3545\_A

| CAS No.    | Parameter           | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|---------------------|--------|------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 72-54-8    | 4,4'-DDD            | ND     |      | ug/kg dry | 2.48                   | 2.48 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 14:44      | 07/16/2015 17:23      | AMC     |
| 72-55-9    | 4,4'-DDE            | ND     |      | ug/kg dry | 2.48                   | 2.48 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 14:44      | 07/16/2015 17:23      | AMC     |
| 50-29-3    | 4,4'-DDT            | 24.0   |      | ug/kg dry | 2.48                   | 2.48 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 14:44      | 07/16/2015 17:23      | AMC     |
| 309-00-2   | Aldrin              | ND     |      | ug/kg dry | 2.48                   | 2.48 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 14:44      | 07/16/2015 17:23      | AMC     |
| 319-84-6   | alpha-BHC           | ND     |      | ug/kg dry | 2.48                   | 2.48 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 14:44      | 07/16/2015 17:23      | AMC     |
| 5103-71-9  | alpha-Chlordane     | 10.3   |      | ug/kg dry | 2.48                   | 2.48 | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP             | 07/14/2015 14:44      | 07/16/2015 17:23      | AMC     |
| 319-85-7   | beta-BHC            | ND     |      | ug/kg dry | 2.48                   | 2.48 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 14:44      | 07/16/2015 17:23      | AMC     |
| 319-86-8   | delta-BHC           | ND     |      | ug/kg dry | 2.48                   | 2.48 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 14:44      | 07/16/2015 17:23      | AMC     |
| 60-57-1    | Dieldrin            | ND     |      | ug/kg dry | 2.48                   | 2.48 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 14:44      | 07/16/2015 17:23      | AMC     |
| 959-98-8   | Endosulfan I        | ND     |      | ug/kg dry | 2.48                   | 2.48 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 14:44      | 07/16/2015 17:23      | AMC     |
| 33213-65-9 | Endosulfan II       | ND     |      | ug/kg dry | 2.48                   | 2.48 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 14:44      | 07/16/2015 17:23      | AMC     |
| 1031-07-8  | Endosulfan sulfate  | ND     |      | ug/kg dry | 2.48                   | 2.48 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 14:44      | 07/16/2015 17:23      | AMC     |
| 72-20-8    | Endrin              | ND     |      | ug/kg dry | 2.48                   | 2.48 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 14:44      | 07/16/2015 17:23      | AMC     |
| 58-89-9    | gamma-BHC (Lindane) | ND     |      | ug/kg dry | 2.48                   | 2.48 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 14:44      | 07/16/2015 17:23      | AMC     |
| 76-44-8    | Heptachlor          | ND     |      | ug/kg dry | 2.48                   | 2.48 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 14:44      | 07/16/2015 17:23      | AMC     |

| Surrogate Recoveries |                                 | Result | Acceptance Range |
|----------------------|---------------------------------|--------|------------------|
| 877-09-8             | Surrogate: Tetrachloro-m-xylene | 45.9 % | 30-140           |
| 2051-24-3            | Surrogate: Decachlorobiphenyl   | 59.6 % | 30-140           |



## Sample Information

**Client Sample ID:** Endpoint 2

**York Sample ID:** 15G0410-02

York Project (SDG) No.  
15G0410

Client Project ID  
Roberto Clemente

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Collection Date/Time  
July 9, 2015 10:35 am

Date Received  
07/10/2015

### Polychlorinated Biphenyls (PCB)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3545\_A

| CAS No.                     | Parameter                       | Result        | Flag                    | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 12674-11-2                  | Aroclor 1016                    | ND            |                         | mg/kg dry | 0.0261  | 0.0261             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 07/14/2015 14:44      | 07/15/2015 18:32      | AMC     |
| 11104-28-2                  | Aroclor 1221                    | ND            |                         | mg/kg dry | 0.0261  | 0.0261             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 07/14/2015 14:44      | 07/15/2015 18:32      | AMC     |
| 11141-16-5                  | Aroclor 1232                    | ND            |                         | mg/kg dry | 0.0261  | 0.0261             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 07/14/2015 14:44      | 07/15/2015 18:32      | AMC     |
| 53469-21-9                  | Aroclor 1242                    | ND            |                         | mg/kg dry | 0.0261  | 0.0261             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 07/14/2015 14:44      | 07/15/2015 18:32      | AMC     |
| 12672-29-6                  | Aroclor 1248                    | ND            |                         | mg/kg dry | 0.0261  | 0.0261             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 07/14/2015 14:44      | 07/15/2015 18:32      | AMC     |
| 11097-69-1                  | Aroclor 1254                    | ND            |                         | mg/kg dry | 0.0261  | 0.0261             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 07/14/2015 14:44      | 07/15/2015 18:32      | AMC     |
| 11096-82-5                  | Aroclor 1260                    | ND            |                         | mg/kg dry | 0.0261  | 0.0261             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 07/14/2015 14:44      | 07/15/2015 18:32      | AMC     |
| 1336-36-3                   | * Total PCBs                    | ND            |                         | mg/kg dry | 0.0261  | 0.0261             | 1        | EPA 8082A<br>Certifications:                                 | 07/14/2015 14:44      | 07/15/2015 18:32      | AMC     |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> | <b>Acceptance Range</b> |           |         |                    |          |                                                              |                       |                       |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 64.5 %        | 30-140                  |           |         |                    |          |                                                              |                       |                       |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 63.7 %        | 30-140                  |           |         |                    |          |                                                              |                       |                       |         |

### Herbicides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

| CAS No.                     | Parameter                                       | Result        | Flag                    | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|-------------------------------------------------|---------------|-------------------------|-----------|---------|--------------------|----------|----------------------------------------------------------------|-----------------------|-----------------------|---------|
| 93-72-1                     | 2,4,5-TP (Silvex)                               | ND            |                         | ug/kg dry | 20.9    | 20.9               | 1        | EPA 8151A m<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/13/2015 06:21      | 07/13/2015 23:59      | AMC     |
| <b>Surrogate Recoveries</b> |                                                 | <b>Result</b> | <b>Acceptance Range</b> |           |         |                    |          |                                                                |                       |                       |         |
| 19719-28-9                  | Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) | 71.0 %        | 30-150                  |           |         |                    |          |                                                                |                       |                       |         |

### Metals, NYSDEC Part 375

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7440-38-2 | Arsenic   | 2.40   |      | mg/kg dry | 1.04    | 1.04               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 12:16      | 07/14/2015 19:33      | ALD     |
| 7440-39-3 | Barium    | 47.1   |      | mg/kg dry | 1.04    | 1.04               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 12:16      | 07/14/2015 19:33      | ALD     |
| 7440-41-7 | Beryllium | ND     |      | mg/kg dry | 0.104   | 0.104              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/14/2015 12:16      | 07/14/2015 19:33      | ALD     |



## Sample Information

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15G0410

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July 9, 2015 10:35 am

Date Received  
07/10/2015

### Metals, NYSDEC Part 375

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7440-43-9 | Cadmium   | ND     |      | mg/kg dry | 0.313   | 0.313              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 12:16      | 07/14/2015 19:33      | ALD     |
| 7440-47-3 | Chromium  | 16.2   |      | mg/kg dry | 0.522   | 0.522              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 12:16      | 07/14/2015 19:33      | ALD     |
| 7440-50-8 | Copper    | 15.1   |      | mg/kg dry | 0.522   | 0.522              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/14/2015 12:16      | 07/14/2015 19:33      | ALD     |
| 7439-92-1 | Lead      | 22.6   |      | mg/kg dry | 0.313   | 0.313              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 12:16      | 07/14/2015 19:33      | ALD     |
| 7439-96-5 | Manganese | 293    |      | mg/kg dry | 0.522   | 0.522              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/14/2015 12:16      | 07/14/2015 19:33      | ALD     |
| 7440-02-0 | Nickel    | 14.0   |      | mg/kg dry | 0.522   | 0.522              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 12:16      | 07/14/2015 19:33      | ALD     |
| 7782-49-2 | Selenium  | 2.29   |      | mg/kg dry | 1.04    | 1.04               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 12:16      | 07/14/2015 19:33      | ALD     |
| 7440-22-4 | Silver    | ND     |      | mg/kg dry | 0.522   | 0.522              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 12:16      | 07/14/2015 19:33      | ALD     |
| 7440-66-6 | Zinc      | 39.5   |      | mg/kg dry | 1.04    | 1.04               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/14/2015 12:16      | 07/14/2015 19:33      | ALD     |

### Mercury by 7473

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7439-97-6 | Mercury   | 0.0476 |      | mg/kg dry | 0.0313  | 0.0313             | 1        | EPA 7473<br>Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 07/15/2015 08:19      | 07/15/2015 13:45      | ALD     |

### Total Solids

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter  | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                  | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|------------|--------|------|-------|---------|--------------------|----------|-----------------------------------|-----------------------|-----------------------|---------|
| solids  | * % Solids | 95.8   |      | %     | 0.100   | 0.100              | 1        | SM 2540G<br>Certifications: CTDOH | 07/14/2015 09:07      | 07/14/2015 13:25      | SCA     |

### Chromium, Hexavalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW846-3060

| CAS No.    | Parameter            | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                       | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|----------------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------|-----------------------|-----------------------|---------|
| 18540-29-9 | Chromium, Hexavalent | ND     |      | mg/kg dry | 0.365   | 0.522              | 1        | EPA 7196A<br>Certifications: NJDEP,CTDOH,NELAC-NY10854 | 07/13/2015 07:40      | 07/13/2015 14:22      | SC      |

### Chromium, Trivalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|-----------|--------|------|-------|---------|--------------------|----------|------------------|-----------------------|-----------------------|---------|
|---------|-----------|--------|------|-------|---------|--------------------|----------|------------------|-----------------------|-----------------------|---------|





## Sample Information

**Client Sample ID:** Endpoint 2

**York Sample ID:** 15G0410-02

York Project (SDG) No.  
15G0410

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
July 9, 2015 10:35 am

Date Received  
07/10/2015

### Chromium, Trivalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

| CAS No.    | Parameter             | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|-----------------------|--------|------|-------|---------|--------------------|----------|--------------------------------|-----------------------|-----------------------|---------|
| 16065-83-1 | * Chromium, Trivalent | 16.2   |      | mg/kg | 0.250   | 0.500              | 1        | Calculation<br>Certifications: | 07/13/2015 14:24      | 07/16/2015 15:35      | SC      |

### Cyanide, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

| CAS No. | Parameter      | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|----------------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 57-12-5 | Cyanide, total | ND     |      | mg/kg dry | 0.522   | 0.522              | 1        | EPA 9014/9010C<br>Certifications: NELAC-NY10854,CTDOH,NJDEP | 07/13/2015 10:51      | 07/13/2015 16:53      | AD      |

## Sample Information

**Client Sample ID:** Endpoint 3

**York Sample ID:** 15G0410-03

York Project (SDG) No.  
15G0410

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
July 9, 2015 10:40 am

Date Received  
07/10/2015

### Volatile Organics, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.  | Parameter              | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|------------------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 71-55-6  | 1,1,1-Trichloroethane  | ND     |      | ug/kg dry | 2.6     | 5.1                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 05:04      | BK      |
| 75-34-3  | 1,1-Dichloroethane     | ND     |      | ug/kg dry | 2.6     | 5.1                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 05:04      | BK      |
| 75-35-4  | 1,1-Dichloroethylene   | ND     |      | ug/kg dry | 2.6     | 5.1                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 05:04      | BK      |
| 95-63-6  | 1,2,4-Trimethylbenzene | ND     |      | ug/kg dry | 2.6     | 5.1                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/15/2015 16:48      | 07/16/2015 05:04      | BK      |
| 95-50-1  | 1,2-Dichlorobenzene    | ND     |      | ug/kg dry | 2.6     | 5.1                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 05:04      | BK      |
| 107-06-2 | 1,2-Dichloroethane     | ND     |      | ug/kg dry | 2.6     | 5.1                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 05:04      | BK      |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND     |      | ug/kg dry | 2.6     | 5.1                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/15/2015 16:48      | 07/16/2015 05:04      | BK      |
| 541-73-1 | 1,3-Dichlorobenzene    | ND     |      | ug/kg dry | 2.6     | 5.1                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 05:04      | BK      |
| 106-46-7 | 1,4-Dichlorobenzene    | ND     |      | ug/kg dry | 2.6     | 5.1                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 05:04      | BK      |
| 123-91-1 | 1,4-Dioxane            | ND     |      | ug/kg dry | 100     | 200                | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 07/15/2015 16:48      | 07/16/2015 05:04      | BK      |
| 78-93-3  | 2-Butanone             | ND     |      | ug/kg dry | 2.6     | 5.1                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/15/2015 16:48      | 07/16/2015 05:04      | BK      |





## Sample Information

**Client Sample ID:** Endpoint 3

**York Sample ID:** 15G0410-03

York Project (SDG) No.

15G0410

Client Project ID

Roberto Clemente

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Collection Date/Time

July 9, 2015 10:40 am

Date Received

07/10/2015

### Volatile Organics, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.     | Parameter                      | Result    | Flag | Units     | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-------------|--------------------------------|-----------|------|-----------|------------------------|-----|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 67-64-1     | Acetone                        | ND        |      | ug/kg dry | 5.1                    | 10  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/15/2015 16:48      | 07/16/2015 05:04      | BK      |
| 71-43-2     | Benzene                        | ND        |      | ug/kg dry | 2.6                    | 5.1 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 05:04      | BK      |
| 56-23-5     | Carbon tetrachloride           | ND        |      | ug/kg dry | 2.6                    | 5.1 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 05:04      | BK      |
| 108-90-7    | Chlorobenzene                  | ND        |      | ug/kg dry | 2.6                    | 5.1 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 05:04      | BK      |
| 67-66-3     | Chloroform                     | ND        |      | ug/kg dry | 2.6                    | 5.1 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 05:04      | BK      |
| 156-59-2    | cis-1,2-Dichloroethylene       | ND        |      | ug/kg dry | 2.6                    | 5.1 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/15/2015 16:48      | 07/16/2015 05:04      | BK      |
| 100-41-4    | Ethyl Benzene                  | ND        |      | ug/kg dry | 2.6                    | 5.1 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 05:04      | BK      |
| 1634-04-4   | Methyl tert-butyl ether (MTBE) | ND        |      | ug/kg dry | 2.6                    | 5.1 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/15/2015 16:48      | 07/16/2015 05:04      | BK      |
| 75-09-2     | <b>Methylene chloride</b>      | <b>27</b> |      | ug/kg dry | 5.1                    | 10  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 05:04      | BK      |
| 91-20-3     | Naphthalene                    | ND        |      | ug/kg dry | 2.6                    | 10  | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 07/15/2015 16:48      | 07/16/2015 05:04      | BK      |
| 104-51-8    | n-Butylbenzene                 | ND        |      | ug/kg dry | 2.6                    | 5.1 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/15/2015 16:48      | 07/16/2015 05:04      | BK      |
| 103-65-1    | n-Propylbenzene                | ND        |      | ug/kg dry | 2.6                    | 5.1 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/15/2015 16:48      | 07/16/2015 05:04      | BK      |
| 95-47-6     | o-Xylene                       | ND        |      | ug/kg dry | 2.6                    | 5.1 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 07/15/2015 16:48      | 07/16/2015 05:04      | BK      |
| 179601-23-1 | p- & m- Xylenes                | ND        |      | ug/kg dry | 5.1                    | 10  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 07/15/2015 16:48      | 07/16/2015 05:04      | BK      |
| 135-98-8    | sec-Butylbenzene               | ND        |      | ug/kg dry | 2.6                    | 5.1 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/15/2015 16:48      | 07/16/2015 05:04      | BK      |
| 98-06-6     | tert-Butylbenzene              | ND        |      | ug/kg dry | 2.6                    | 5.1 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/15/2015 16:48      | 07/16/2015 05:04      | BK      |
| 127-18-4    | Tetrachloroethylene            | ND        |      | ug/kg dry | 2.6                    | 5.1 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 05:04      | BK      |
| 108-88-3    | Toluene                        | ND        |      | ug/kg dry | 5.1                    | 10  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 05:04      | BK      |
| 156-60-5    | trans-1,2-Dichloroethylene     | ND        |      | ug/kg dry | 2.6                    | 5.1 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/15/2015 16:48      | 07/16/2015 05:04      | BK      |
| 79-01-6     | Trichloroethylene              | ND        |      | ug/kg dry | 2.6                    | 5.1 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 05:04      | BK      |
| 75-01-4     | Vinyl Chloride                 | ND        |      | ug/kg dry | 2.6                    | 5.1 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 05:04      | BK      |
| 1330-20-7   | Xylenes, Total                 | ND        |      | ug/kg dry | 7.7                    | 15  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 16:48      | 07/16/2015 05:04      | BK      |



## Sample Information

**Client Sample ID:** Endpoint 3

**York Sample ID:** 15G0410-03

York Project (SDG) No.  
15G0410

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
July 9, 2015 10:40 am

Date Received  
07/10/2015

### Volatile Organics, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.              | Parameter                        | Result | Flag | Units | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------------------|----------------------------------|--------|------|-------|------------------------|-----|----------|------------------|-----------------------|-----------------------|---------|
| Surrogate Recoveries |                                  | Result |      |       | Acceptance Range       |     |          |                  |                       |                       |         |
| 17060-07-0           | Surrogate: 1,2-Dichloroethane-d4 | 99.0 % |      |       | 77-125                 |     |          |                  |                       |                       |         |
| 2037-26-5            | Surrogate: Toluene-d8            | 99.5 % |      |       | 85-120                 |     |          |                  |                       |                       |         |
| 460-00-4             | Surrogate: p-Bromofluorobenzene  | 93.9 % |      |       | 76-130                 |     |          |                  |                       |                       |         |

### Semi-Volatiles, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter              | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|------------------------|--------|------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 83-32-9    | Acenaphthene           | ND     |      | ug/kg dry | 43.9                   | 87.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 13:10      | KH      |
| 208-96-8   | Acenaphthylene         | ND     |      | ug/kg dry | 43.9                   | 87.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 13:10      | KH      |
| 120-12-7   | Anthracene             | ND     |      | ug/kg dry | 43.9                   | 87.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 13:10      | KH      |
| 56-55-3    | Benzo(a)anthracene     | ND     |      | ug/kg dry | 43.9                   | 87.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 13:10      | KH      |
| 50-32-8    | Benzo(a)pyrene         | ND     |      | ug/kg dry | 43.9                   | 87.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 13:10      | KH      |
| 205-99-2   | Benzo(b)fluoranthene   | ND     |      | ug/kg dry | 43.9                   | 87.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 13:10      | KH      |
| 191-24-2   | Benzo(g,h,i)perylene   | ND     |      | ug/kg dry | 43.9                   | 87.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 13:10      | KH      |
| 207-08-9   | Benzo(k)fluoranthene   | ND     |      | ug/kg dry | 43.9                   | 87.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 13:10      | KH      |
| 218-01-9   | Chrysene               | ND     |      | ug/kg dry | 43.9                   | 87.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 13:10      | KH      |
| 53-70-3    | Dibenzo(a,h)anthracene | ND     |      | ug/kg dry | 43.9                   | 87.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 13:10      | KH      |
| 132-64-9   | Dibenzofuran           | ND     |      | ug/kg dry | 43.9                   | 87.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/15/2015 07:19      | 07/17/2015 13:10      | KH      |
| 206-44-0   | Fluoranthene           | ND     |      | ug/kg dry | 43.9                   | 87.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 13:10      | KH      |
| 86-73-7    | Fluorene               | ND     |      | ug/kg dry | 43.9                   | 87.7 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP       | 07/15/2015 07:19      | 07/17/2015 13:10      | KH      |
| 118-74-1   | Hexachlorobenzene      | ND     |      | ug/kg dry | 43.9                   | 87.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 13:10      | KH      |
| 193-39-5   | Indeno(1,2,3-cd)pyrene | ND     |      | ug/kg dry | 43.9                   | 87.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 13:10      | KH      |
| 95-48-7    | 2-Methylphenol         | ND     |      | ug/kg dry | 43.9                   | 87.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 13:10      | KH      |
| 65794-96-9 | 3- & 4-Methylphenols   | ND     |      | ug/kg dry | 43.9                   | 87.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/15/2015 07:19      | 07/17/2015 13:10      | KH      |



## Sample Information

**Client Sample ID:** Endpoint 3

**York Sample ID:** 15G0410-03

York Project (SDG) No.  
15G0410

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
July 9, 2015 10:40 am

Date Received  
07/10/2015

### Semi-Volatiles, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag | Units     | Reported to<br>LOD/MDL  | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|------|-----------|-------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 91-20-3                     | Naphthalene                     | ND            |      | ug/kg dry | 43.9                    | 87.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 07/15/2015 07:19      | 07/17/2015 13:10      | KH      |
| 87-86-5                     | Pentachlorophenol               | ND            |      | ug/kg dry | 43.9                    | 87.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 13:10      | KH      |
| 85-01-8                     | Phenanthrene                    | ND            |      | ug/kg dry | 43.9                    | 87.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 13:10      | KH      |
| 108-95-2                    | Phenol                          | ND            |      | ug/kg dry | 43.9                    | 87.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 13:10      | KH      |
| 129-00-0                    | Pyrene                          | ND            |      | ug/kg dry | 43.9                    | 87.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/15/2015 07:19      | 07/17/2015 13:10      | KH      |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> |      |           | <b>Acceptance Range</b> |      |          |                                                              |                       |                       |         |
| 367-12-4                    | Surrogate: 2-Fluorophenol       | 43.9 %        |      |           | 10-95                   |      |          |                                                              |                       |                       |         |
| 4165-62-2                   | Surrogate: Phenol-d5            | 49.1 %        |      |           | 10-107                  |      |          |                                                              |                       |                       |         |
| 4165-60-0                   | Surrogate: Nitrobenzene-d5      | 42.7 %        |      |           | 10-95                   |      |          |                                                              |                       |                       |         |
| 321-60-8                    | Surrogate: 2-Fluorobiphenyl     | 44.9 %        |      |           | 10-97                   |      |          |                                                              |                       |                       |         |
| 118-79-6                    | Surrogate: 2,4,6-Tribromophenol | 42.1 %        |      |           | 10-103                  |      |          |                                                              |                       |                       |         |
| 1718-51-0                   | Surrogate: Terphenyl-d14        | 52.3 %        |      |           | 19-99                   |      |          |                                                              |                       |                       |         |

### Pesticides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3545\_A

| CAS No.   | Parameter              | Result      | Flag | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|------------------------|-------------|------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 72-54-8   | 4,4'-DDD               | ND          |      | ug/kg dry | 2.48                   | 2.48 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 14:44      | 07/16/2015 17:38      | AMC     |
| 72-55-9   | 4,4'-DDE               | ND          |      | ug/kg dry | 2.48                   | 2.48 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 14:44      | 07/16/2015 17:38      | AMC     |
| 50-29-3   | <b>4,4'-DDT</b>        | <b>7.95</b> |      | ug/kg dry | 2.48                   | 2.48 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 14:44      | 07/16/2015 17:38      | AMC     |
| 309-00-2  | Aldrin                 | ND          |      | ug/kg dry | 2.48                   | 2.48 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 14:44      | 07/16/2015 17:38      | AMC     |
| 319-84-6  | alpha-BHC              | ND          |      | ug/kg dry | 2.48                   | 2.48 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 14:44      | 07/16/2015 17:38      | AMC     |
| 5103-71-9 | <b>alpha-Chlordane</b> | <b>4.99</b> |      | ug/kg dry | 2.48                   | 2.48 | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP             | 07/14/2015 14:44      | 07/16/2015 17:38      | AMC     |
| 319-85-7  | beta-BHC               | ND          |      | ug/kg dry | 2.48                   | 2.48 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 14:44      | 07/16/2015 17:38      | AMC     |
| 319-86-8  | delta-BHC              | ND          |      | ug/kg dry | 2.48                   | 2.48 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 14:44      | 07/16/2015 17:38      | AMC     |
| 60-57-1   | Dieldrin               | ND          |      | ug/kg dry | 2.48                   | 2.48 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 14:44      | 07/16/2015 17:38      | AMC     |
| 959-98-8  | Endosulfan I           | ND          |      | ug/kg dry | 2.48                   | 2.48 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 14:44      | 07/16/2015 17:38      | AMC     |



## Sample Information

**Client Sample ID:** Endpoint 3

**York Sample ID:** 15G0410-03

York Project (SDG) No.  
15G0410

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
July 9, 2015 10:40 am

Date Received  
07/10/2015

### Pesticides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3545\_A

| CAS No.                     | Parameter                       | Result        | Flag                    | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 33213-65-9                  | Endosulfan II                   | ND            |                         | ug/kg dry | 2.48    | 2.48               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 14:44      | 07/16/2015 17:38      | AMC     |
| 1031-07-8                   | Endosulfan sulfate              | ND            |                         | ug/kg dry | 2.48    | 2.48               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 14:44      | 07/16/2015 17:38      | AMC     |
| 72-20-8                     | Endrin                          | ND            |                         | ug/kg dry | 2.48    | 2.48               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 14:44      | 07/16/2015 17:38      | AMC     |
| 58-89-9                     | gamma-BHC (Lindane)             | ND            |                         | ug/kg dry | 2.48    | 2.48               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 14:44      | 07/16/2015 17:38      | AMC     |
| 76-44-8                     | Heptachlor                      | ND            |                         | ug/kg dry | 2.48    | 2.48               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/14/2015 14:44      | 07/16/2015 17:38      | AMC     |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> | <b>Acceptance Range</b> |           |         |                    |          |                                                              |                       |                       |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 47.8 %        | 30-140                  |           |         |                    |          |                                                              |                       |                       |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 58.7 %        | 30-140                  |           |         |                    |          |                                                              |                       |                       |         |

### Polychlorinated Biphenyls (PCB)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3545\_A

| CAS No.                     | Parameter                       | Result        | Flag                    | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 12674-11-2                  | Aroclor 1016                    | ND            |                         | mg/kg dry | 0.0263  | 0.0263             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 07/14/2015 14:44      | 07/15/2015 19:01      | AMC     |
| 11104-28-2                  | Aroclor 1221                    | ND            |                         | mg/kg dry | 0.0263  | 0.0263             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 07/14/2015 14:44      | 07/15/2015 19:01      | AMC     |
| 11141-16-5                  | Aroclor 1232                    | ND            |                         | mg/kg dry | 0.0263  | 0.0263             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 07/14/2015 14:44      | 07/15/2015 19:01      | AMC     |
| 53469-21-9                  | Aroclor 1242                    | ND            |                         | mg/kg dry | 0.0263  | 0.0263             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 07/14/2015 14:44      | 07/15/2015 19:01      | AMC     |
| 12672-29-6                  | Aroclor 1248                    | ND            |                         | mg/kg dry | 0.0263  | 0.0263             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 07/14/2015 14:44      | 07/15/2015 19:01      | AMC     |
| 11097-69-1                  | Aroclor 1254                    | ND            |                         | mg/kg dry | 0.0263  | 0.0263             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 07/14/2015 14:44      | 07/15/2015 19:01      | AMC     |
| 11096-82-5                  | Aroclor 1260                    | ND            |                         | mg/kg dry | 0.0263  | 0.0263             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 07/14/2015 14:44      | 07/15/2015 19:01      | AMC     |
| 1336-36-3                   | * Total PCBs                    | ND            |                         | mg/kg dry | 0.0263  | 0.0263             | 1        | EPA 8082A<br>Certifications:                                 | 07/14/2015 14:44      | 07/15/2015 19:01      | AMC     |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> | <b>Acceptance Range</b> |           |         |                    |          |                                                              |                       |                       |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 64.5 %        | 30-140                  |           |         |                    |          |                                                              |                       |                       |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 65.7 %        | 30-140                  |           |         |                    |          |                                                              |                       |                       |         |

### Herbicides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|-----------|--------|------|-------|---------|--------------------|----------|------------------|-----------------------|-----------------------|---------|
|---------|-----------|--------|------|-------|---------|--------------------|----------|------------------|-----------------------|-----------------------|---------|





## Sample Information

**Client Sample ID:** Endpoint 3

**York Sample ID:** 15G0410-03

York Project (SDG) No.

15G0410

Client Project ID

Roberto Clemente

Matrix

Soil

Collection Date/Time

July 9, 2015 10:40 am

Date Received

07/10/2015

### Total Solids

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter  | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                  | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|------------|--------|------|-------|---------|--------------------|----------|-----------------------------------|-----------------------|-----------------------|---------|
| solids  | * % Solids | 95.1   |      | %     | 0.100   | 0.100              | 1        | SM 2540G<br>Certifications: CTDOH | 07/14/2015 09:07      | 07/14/2015 13:25      | SCA     |

### Chromium, Hexavalent

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA SW846-3060

| CAS No.    | Parameter            | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                       | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|----------------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------|-----------------------|-----------------------|---------|
| 18540-29-9 | Chromium, Hexavalent | ND     |      | mg/kg dry | 0.368   | 0.526              | 1        | EPA 7196A<br>Certifications: NJDEP,CTDOH,NELAC-NY10854 | 07/13/2015 07:40      | 07/13/2015 14:22      | SC      |

### Chromium, Trivalent

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: Analysis Preparation

| CAS No.    | Parameter             | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|-----------------------|--------|------|-------|---------|--------------------|----------|--------------------------------|-----------------------|-----------------------|---------|
| 16065-83-1 | * Chromium, Trivalent | 8.14   |      | mg/kg | 0.250   | 0.500              | 1        | Calculation<br>Certifications: | 07/13/2015 14:24      | 07/16/2015 15:35      | SC      |

### Cyanide, Total

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

| CAS No. | Parameter      | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|----------------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 57-12-5 | Cyanide, total | ND     |      | mg/kg dry | 0.526   | 0.526              | 1        | EPA 9014/9010C<br>Certifications: NELAC-NY10854,CTDOH,NJDEP | 07/13/2015 10:51      | 07/13/2015 16:53      | AD      |



### Volatile Analysis Sample Containers

| Lab ID     | Client Sample ID | Volatile Sample Container |
|------------|------------------|---------------------------|
| 15G0410-01 | Endpoint 1       | Encore Sampler            |
| 15G0410-02 | Endpoint 2       | Encore Sampler            |
| 15G0410-03 | Endpoint 3       | Encore Sampler            |



## Notes and Definitions

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| J           | Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.                                                                                                                                                                                                                                                                     |
| B           | Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.                                                                                                                                                                                                                                   |
| <hr/>       |                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| *           | Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.                                                                                                                                                                                                                                                                                                                              |
| ND          | NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)                                                                                                                                                                                                                                                                                                                                                     |
| RL          | REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.                                                                                                                                                                                                                                                                                                                                |
| LOQ         | LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.                                                                    |
| LOD         | LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.                                                                                                                                                                      |
| MDL         | METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.                                                                                                               |
| Reported to | This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.                                                                                                |
| NR          | Not reported                                                                                                                                                                                                                                                                                                                                                                                                                                |
| RPD         | Relative Percent Difference                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Wet         | The data has been reported on an as-received (wet weight) basis                                                                                                                                                                                                                                                                                                                                                                             |
| Low Bias    | Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.          |
| High Bias   | High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.        |
| Non-Dir.    | Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons. |

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.





Comments



# Technical Report

prepared for:

**Enviroscience Consultants, Inc.**

2150 Smithtown Avenue

Ronkonkoma NY, 11779

**Attention: Greg Menegio**

Report Date: 08/14/2015

**Client Project ID: Roberto Clemente**

York Project (SDG) No.: 15H0237

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 08/14/2015  
Client Project ID: Roberto Clemente  
York Project (SDG) No.: 15H0237

**Enviroscience Consultants, Inc.**  
2150 Smithtown Avenue  
Ronkonkoma NY, 11779  
Attention: Greg Menegio

---

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 07, 2015 and listed below. The project was identified as your project: **Roberto Clemente**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

| <u>York Sample ID</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Date Collected</u> | <u>Date Received</u> |
|-----------------------|-------------------------|---------------|-----------------------|----------------------|
| 15H0237-01            | Endpoint 4              | Soil          | 08/06/2015            | 08/07/2015           |
| 15H0237-02            | Endpoint 5              | Soil          | 08/06/2015            | 08/07/2015           |
| 15H0237-03            | Endpoint 6              | Soil          | 08/06/2015            | 08/07/2015           |
| 15H0237-04            | Endpoint 7              | Soil          | 08/06/2015            | 08/07/2015           |
| 15H0237-05            | Endpoint 8              | Soil          | 08/06/2015            | 08/07/2015           |
| 15H0237-06            | Endpoint 9              | Soil          | 08/06/2015            | 08/07/2015           |
| 15H0237-07            | Endpoint 10             | Soil          | 08/06/2015            | 08/07/2015           |
| 15H0237-08            | Endpoint 11             | Soil          | 08/06/2015            | 08/07/2015           |
| 15H0237-09            | Endpoint 12             | Soil          | 08/06/2015            | 08/07/2015           |
| 15H0237-10            | Endpoint 13             | Soil          | 08/06/2015            | 08/07/2015           |
| 15H0237-11            | Endpoint 14             | Soil          | 08/06/2015            | 08/07/2015           |
| 15H0237-12            | Endpoint 15             | Soil          | 08/06/2015            | 08/07/2015           |
| 15H0237-13            | Endpoint 16             | Soil          | 08/06/2015            | 08/07/2015           |
| 15H0237-14            | Endpoint 17             | Soil          | 08/06/2015            | 08/07/2015           |
| 15H0237-15            | Endpoint 18             | Soil          | 08/06/2015            | 08/07/2015           |

## **General Notes for York Project (SDG) No.: 15H0237**

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

**Approved By:**



Benjamin Gulizia  
Laboratory Director

**Date:** 08/14/2015





## Sample Information

**Client Sample ID:** Endpoint 4

**York Sample ID:** 15H0237-01

**York Project (SDG) No.**

15H0237

**Client Project ID**

Roberto Clemente

**Matrix**

Soil

**Collection Date/Time**

August 6, 2015 10:30 am

**Date Received**

08/07/2015

### Volatile Organics, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.   | Parameter                      | Result    | Flag       | Units     | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|--------------------------------|-----------|------------|-----------|------------------------|-----|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 71-55-6   | 1,1,1-Trichloroethane          | ND        |            | ug/kg dry | 2.9                    | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 19:17      | BS      |
| 75-34-3   | 1,1-Dichloroethane             | ND        |            | ug/kg dry | 2.9                    | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 19:17      | BS      |
| 75-35-4   | 1,1-Dichloroethylene           | ND        |            | ug/kg dry | 2.9                    | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 19:17      | BS      |
| 95-63-6   | 1,2,4-Trimethylbenzene         | ND        |            | ug/kg dry | 2.9                    | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:01      | 08/11/2015 19:17      | BS      |
| 95-50-1   | 1,2-Dichlorobenzene            | ND        |            | ug/kg dry | 2.9                    | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 19:17      | BS      |
| 107-06-2  | 1,2-Dichloroethane             | ND        |            | ug/kg dry | 2.9                    | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 19:17      | BS      |
| 108-67-8  | 1,3,5-Trimethylbenzene         | ND        |            | ug/kg dry | 2.9                    | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:01      | 08/11/2015 19:17      | BS      |
| 541-73-1  | 1,3-Dichlorobenzene            | ND        |            | ug/kg dry | 2.9                    | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 19:17      | BS      |
| 106-46-7  | 1,4-Dichlorobenzene            | ND        |            | ug/kg dry | 2.9                    | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 19:17      | BS      |
| 123-91-1  | 1,4-Dioxane                    | ND        |            | ug/kg dry | 59                     | 120 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 08/11/2015 08:01      | 08/11/2015 19:17      | BS      |
| 78-93-3   | 2-Butanone                     | ND        |            | ug/kg dry | 2.9                    | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:01      | 08/11/2015 19:17      | BS      |
| 67-64-1   | Acetone                        | ND        | SCAL-<br>E | ug/kg dry | 5.9                    | 12  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:01      | 08/11/2015 19:17      | BS      |
| 71-43-2   | Benzene                        | ND        |            | ug/kg dry | 2.9                    | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 19:17      | BS      |
| 56-23-5   | Carbon tetrachloride           | ND        |            | ug/kg dry | 2.9                    | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 19:17      | BS      |
| 108-90-7  | Chlorobenzene                  | ND        |            | ug/kg dry | 2.9                    | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 19:17      | BS      |
| 67-66-3   | Chloroform                     | ND        |            | ug/kg dry | 2.9                    | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 19:17      | BS      |
| 156-59-2  | cis-1,2-Dichloroethylene       | ND        |            | ug/kg dry | 2.9                    | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:01      | 08/11/2015 19:17      | BS      |
| 100-41-4  | Ethyl Benzene                  | ND        |            | ug/kg dry | 2.9                    | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 19:17      | BS      |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND        |            | ug/kg dry | 2.9                    | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:01      | 08/11/2015 19:17      | BS      |
| 75-09-2   | <b>Methylene chloride</b>      | <b>27</b> |            | ug/kg dry | 5.9                    | 12  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 19:17      | BS      |
| 91-20-3   | Naphthalene                    | ND        |            | ug/kg dry | 2.9                    | 12  | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 08/11/2015 08:01      | 08/11/2015 19:17      | BS      |



## Sample Information

**Client Sample ID:** Endpoint 4

**York Sample ID:** 15H0237-01

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 10:30 am

Date Received  
08/07/2015

### Volatile Organics, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.                     | Parameter                        | Result        | Flag                    | Units     | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|----------------------------------|---------------|-------------------------|-----------|------------------------|-----|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 104-51-8                    | n-Butylbenzene                   | ND            |                         | ug/kg dry | 2.9                    | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:01      | 08/11/2015 19:17      | BS      |
| 103-65-1                    | n-Propylbenzene                  | ND            |                         | ug/kg dry | 2.9                    | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:01      | 08/11/2015 19:17      | BS      |
| 95-47-6                     | o-Xylene                         | ND            |                         | ug/kg dry | 2.9                    | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 08/11/2015 08:01      | 08/11/2015 19:17      | BS      |
| 179601-23-1                 | p- & m- Xylenes                  | ND            |                         | ug/kg dry | 5.9                    | 12  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 08/11/2015 08:01      | 08/11/2015 19:17      | BS      |
| 135-98-8                    | sec-Butylbenzene                 | ND            |                         | ug/kg dry | 2.9                    | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:01      | 08/11/2015 19:17      | BS      |
| 98-06-6                     | tert-Butylbenzene                | ND            |                         | ug/kg dry | 2.9                    | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:01      | 08/11/2015 19:17      | BS      |
| 127-18-4                    | Tetrachloroethylene              | ND            |                         | ug/kg dry | 2.9                    | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 19:17      | BS      |
| 108-88-3                    | Toluene                          | ND            |                         | ug/kg dry | 2.9                    | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 19:17      | BS      |
| 156-60-5                    | trans-1,2-Dichloroethylene       | ND            |                         | ug/kg dry | 2.9                    | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:01      | 08/11/2015 19:17      | BS      |
| 79-01-6                     | Trichloroethylene                | ND            |                         | ug/kg dry | 2.9                    | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 19:17      | BS      |
| 75-01-4                     | Vinyl Chloride                   | ND            |                         | ug/kg dry | 2.9                    | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 19:17      | BS      |
| 1330-20-7                   | Xylenes, Total                   | ND            |                         | ug/kg dry | 8.8                    | 18  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 19:17      | BS      |
| <b>Surrogate Recoveries</b> |                                  | <b>Result</b> | <b>Acceptance Range</b> |           |                        |     |          |                                                              |                       |                       |         |
| 17060-07-0                  | Surrogate: 1,2-Dichloroethane-d4 | 109 %         | 77-125                  |           |                        |     |          |                                                              |                       |                       |         |
| 2037-26-5                   | Surrogate: Toluene-d8            | 112 %         | 85-120                  |           |                        |     |          |                                                              |                       |                       |         |
| 460-00-4                    | Surrogate: p-Bromofluorobenzene  | 102 %         | 76-130                  |           |                        |     |          |                                                              |                       |                       |         |

### Semi-Volatiles, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter          | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|--------------------|--------|------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 83-32-9  | Acenaphthene       | ND     |      | ug/kg dry | 42.2                   | 84.2 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 15:56      | SR      |
| 208-96-8 | Acenaphthylene     | ND     |      | ug/kg dry | 42.2                   | 84.2 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 15:56      | SR      |
| 120-12-7 | Anthracene         | ND     |      | ug/kg dry | 42.2                   | 84.2 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 15:56      | SR      |
| 56-55-3  | Benzo(a)anthracene | ND     |      | ug/kg dry | 42.2                   | 84.2 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 15:56      | SR      |
| 50-32-8  | Benzo(a)pyrene     | ND     |      | ug/kg dry | 42.2                   | 84.2 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 15:56      | SR      |



## Sample Information

**Client Sample ID:** Endpoint 4

**York Sample ID:** 15H0237-01

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 10:30 am

Date Received  
08/07/2015

### Semi-Volatiles, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter              | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|------------------------|--------|------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 205-99-2   | Benzo(b)fluoranthene   | ND     |      | ug/kg dry | 42.2                   | 84.2 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 15:56      | SR      |
| 191-24-2   | Benzo(g,h,i)perylene   | ND     |      | ug/kg dry | 42.2                   | 84.2 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 15:56      | SR      |
| 207-08-9   | Benzo(k)fluoranthene   | ND     |      | ug/kg dry | 42.2                   | 84.2 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 15:56      | SR      |
| 218-01-9   | Chrysene               | ND     |      | ug/kg dry | 42.2                   | 84.2 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 15:56      | SR      |
| 53-70-3    | Dibenzo(a,h)anthracene | ND     |      | ug/kg dry | 42.2                   | 84.2 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 15:56      | SR      |
| 132-64-9   | Dibenzofuran           | ND     |      | ug/kg dry | 42.2                   | 84.2 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/13/2015 08:08      | 08/13/2015 15:56      | SR      |
| 206-44-0   | Fluoranthene           | ND     |      | ug/kg dry | 42.2                   | 84.2 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 15:56      | SR      |
| 86-73-7    | Fluorene               | ND     |      | ug/kg dry | 42.2                   | 84.2 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP       | 08/13/2015 08:08      | 08/13/2015 15:56      | SR      |
| 118-74-1   | Hexachlorobenzene      | ND     |      | ug/kg dry | 42.2                   | 84.2 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 15:56      | SR      |
| 193-39-5   | Indeno(1,2,3-cd)pyrene | ND     |      | ug/kg dry | 42.2                   | 84.2 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 15:56      | SR      |
| 95-48-7    | 2-Methylphenol         | ND     |      | ug/kg dry | 42.2                   | 84.2 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 15:56      | SR      |
| 65794-96-9 | 3- & 4-Methylphenols   | ND     |      | ug/kg dry | 42.2                   | 84.2 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/13/2015 08:08      | 08/13/2015 15:56      | SR      |
| 91-20-3    | Naphthalene            | ND     |      | ug/kg dry | 42.2                   | 84.2 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/13/2015 08:08      | 08/13/2015 15:56      | SR      |
| 87-86-5    | Pentachlorophenol      | ND     |      | ug/kg dry | 42.2                   | 84.2 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 15:56      | SR      |
| 85-01-8    | Phenanthrene           | ND     |      | ug/kg dry | 42.2                   | 84.2 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 15:56      | SR      |
| 108-95-2   | Phenol                 | ND     |      | ug/kg dry | 42.2                   | 84.2 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 15:56      | SR      |
| 129-00-0   | Pyrene                 | ND     |      | ug/kg dry | 42.2                   | 84.2 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 15:56      | SR      |

|           | Surrogate Recoveries            | Result | Acceptance Range |
|-----------|---------------------------------|--------|------------------|
| 367-12-4  | Surrogate: 2-Fluorophenol       | 41.9 % | 10-95            |
| 4165-62-2 | Surrogate: Phenol-d5            | 41.5 % | 10-107           |
| 4165-60-0 | Surrogate: Nitrobenzene-d5      | 42.1 % | 10-95            |
| 321-60-8  | Surrogate: 2-Fluorobiphenyl     | 42.6 % | 10-97            |
| 118-79-6  | Surrogate: 2,4,6-Tribromophenol | 32.6 % | 10-103           |
| 1718-51-0 | Surrogate: Terphenyl-d14        | 47.1 % | 19-99            |



## Sample Information

**Client Sample ID:** Endpoint 4

**York Sample ID:** 15H0237-01

**York Project (SDG) No.**  
15H0237

**Client Project ID**  
Roberto Clemente

**Matrix**  
Soil

**Collection Date/Time**  
August 6, 2015 10:30 am

**Date Received**  
08/07/2015

### Pesticides, NYSDEC Part 375 Target List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.              | Parameter                       | Result | Flag             | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------------------|---------------------------------|--------|------------------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 72-54-8              | 4,4'-DDD                        | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:01      | AMC     |
| 72-55-9              | 4,4'-DDE                        | 6.72   |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:01      | AMC     |
| 50-29-3              | 4,4'-DDT                        | 15.9   |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:01      | AMC     |
| 309-00-2             | Aldrin                          | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:01      | AMC     |
| 319-84-6             | alpha-BHC                       | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:01      | AMC     |
| 5103-71-9            | alpha-Chlordane                 | 11.4   |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP             | 08/12/2015 14:16      | 08/13/2015 18:01      | AMC     |
| 319-85-7             | beta-BHC                        | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:01      | AMC     |
| 319-86-8             | delta-BHC                       | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:01      | AMC     |
| 60-57-1              | Dieldrin                        | 5.87   |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:01      | AMC     |
| 959-98-8             | Endosulfan I                    | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:01      | AMC     |
| 33213-65-9           | Endosulfan II                   | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:01      | AMC     |
| 1031-07-8            | Endosulfan sulfate              | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:01      | AMC     |
| 72-20-8              | Endrin                          | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:01      | AMC     |
| 58-89-9              | gamma-BHC (Lindane)             | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:01      | AMC     |
| 76-44-8              | Heptachlor                      | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:01      | AMC     |
| Surrogate Recoveries |                                 | Result | Acceptance Range |           |         |                    |          |                                                              |                       |                       |         |
| 877-09-8             | Surrogate: Tetrachloro-m-xylene | 57.7 % | 30-140           |           |         |                    |          |                                                              |                       |                       |         |
| 2051-24-3            | Surrogate: Decachlorobiphenyl   | 67.5 % | 30-140           |           |         |                    |          |                                                              |                       |                       |         |

### Polychlorinated Biphenyls (PCB)

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter    | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|--------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 12674-11-2 | Aroclor 1016 | ND     |      | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 17:26      | AMC     |
| 11104-28-2 | Aroclor 1221 | ND     |      | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 17:26      | AMC     |





## Sample Information

**Client Sample ID:** Endpoint 4

**York Sample ID:** 15H0237-01

York Project (SDG) No.

15H0237

Client Project ID

Roberto Clemente

Matrix

Soil

Collection Date/Time

August 6, 2015 10:30 am

Date Received

08/07/2015

### Polychlorinated Biphenyls (PCB)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag                    | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 11141-16-5                  | Aroclor 1232                    | ND            |                         | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 17:26      | AMC     |
| 53469-21-9                  | Aroclor 1242                    | ND            |                         | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 17:26      | AMC     |
| 12672-29-6                  | Aroclor 1248                    | ND            |                         | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 17:26      | AMC     |
| 11097-69-1                  | Aroclor 1254                    | ND            |                         | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 17:26      | AMC     |
| 11096-82-5                  | Aroclor 1260                    | ND            |                         | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 17:26      | AMC     |
| 1336-36-3                   | * Total PCBs                    | ND            |                         | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications:                                 | 08/12/2015 14:16      | 08/13/2015 17:26      | AMC     |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> | <b>Acceptance Range</b> |           |         |                    |          |                                                              |                       |                       |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 66.2 %        | 30-140                  |           |         |                    |          |                                                              |                       |                       |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 57.0 %        | 30-140                  |           |         |                    |          |                                                              |                       |                       |         |

### Herbicides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

| CAS No.                     | Parameter                                       | Result        | Flag                    | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|-------------------------------------------------|---------------|-------------------------|-----------|---------|--------------------|----------|----------------------------------------------------------------|-----------------------|-----------------------|---------|
| 93-72-1                     | 2,4,5-TP (Silvex)                               | ND            |                         | ug/kg dry | 20.2    | 20.2               | 1        | EPA 8151A m<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 05:51      | 08/13/2015 16:12      | AMC     |
| <b>Surrogate Recoveries</b> |                                                 | <b>Result</b> | <b>Acceptance Range</b> |           |         |                    |          |                                                                |                       |                       |         |
| 19719-28-9                  | Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) | 131 %         | 30-150                  |           |         |                    |          |                                                                |                       |                       |         |

### Metals, NYSDEC Part 375

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7440-38-2 | Arsenic   | 1.95   |      | mg/kg dry | 1.01    | 1.01               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 14:37      | ALD     |
| 7440-39-3 | Barium    | 13.8   |      | mg/kg dry | 1.01    | 1.01               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 14:37      | ALD     |
| 7440-41-7 | Beryllium | ND     |      | mg/kg dry | 0.101   | 0.101              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 14:37      | ALD     |
| 7440-43-9 | Cadmium   | ND     |      | mg/kg dry | 0.303   | 0.303              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 14:37      | ALD     |
| 7440-47-3 | Chromium  | 6.35   |      | mg/kg dry | 0.505   | 0.505              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 14:37      | ALD     |
| 7440-50-8 | Copper    | 4.64   |      | mg/kg dry | 0.505   | 0.505              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 14:37      | ALD     |



## Sample Information

**Client Sample ID:** Endpoint 4

**York Sample ID:** 15H0237-01

York Project (SDG) No.

15H0237

Client Project ID

Roberto Clemente

Matrix

Soil

Collection Date/Time

August 6, 2015 10:30 am

Date Received

08/07/2015

### Metals, NYSDEC Part 375

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7439-92-1 | Lead      | 29.1   |      | mg/kg dry | 0.303   | 0.303              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 14:37      | ALD     |
| 7439-96-5 | Manganese | 52.4   |      | mg/kg dry | 0.505   | 0.505              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 14:37      | ALD     |
| 7440-02-0 | Nickel    | 3.07   |      | mg/kg dry | 0.505   | 0.505              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 14:37      | ALD     |
| 7782-49-2 | Selenium  | ND     |      | mg/kg dry | 1.01    | 1.01               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 14:37      | ALD     |
| 7440-22-4 | Silver    | ND     |      | mg/kg dry | 0.505   | 0.505              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 14:37      | ALD     |
| 7440-66-6 | Zinc      | 22.0   |      | mg/kg dry | 1.01    | 1.01               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 14:37      | ALD     |

### Mercury by 7473

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7439-97-6 | Mercury   | 0.0590 |      | mg/kg dry | 0.0303  | 0.0303             | 1        | EPA 7473<br>Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 08/10/2015 09:47      | 08/10/2015 13:03      | KV      |

### Total Solids

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter  | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                  | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|------------|--------|------|-------|---------|--------------------|----------|-----------------------------------|-----------------------|-----------------------|---------|
| solids  | * % Solids | 99.0   |      | %     | 0.100   | 0.100              | 1        | SM 2540G<br>Certifications: CTDOH | 08/10/2015 10:42      | 08/10/2015 18:12      | KK      |

### Chromium, Hexavalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW846-3060

| CAS No.    | Parameter            | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                       | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|----------------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------|-----------------------|-----------------------|---------|
| 18540-29-9 | Chromium, Hexavalent | ND     |      | mg/kg dry | 0.353   | 0.505              | 1        | EPA 7196A<br>Certifications: NJDEP,CTDOH,NELAC-NY10854 | 08/10/2015 07:42      | 08/10/2015 13:20      | SC      |

### Chromium, Trivalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

| CAS No.    | Parameter             | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|-----------------------|--------|------|-------|---------|--------------------|----------|--------------------------------|-----------------------|-----------------------|---------|
| 16065-83-1 | * Chromium, Trivalent | 6.35   |      | mg/kg | 0.250   | 0.500              | 1        | Calculation<br>Certifications: | 08/14/2015 13:00      | 08/14/2015 16:06      | SC      |

### Cyanide, Total

#### Log-in Notes:

#### Sample Notes:



### Sample Information

**Client Sample ID:** Endpoint 4

**York Sample ID:** 15H0237-01

York Project (SDG) No.

15H0237

Client Project ID

Roberto Clemente

Matrix

Soil

Collection Date/Time

August 6, 2015 10:30 am

Date Received

08/07/2015

Sample Prepared by Method: Analysis Preparation Soil

| CAS No. | Parameter      | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|----------------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 57-12-5 | Cyanide, total | ND     |      | mg/kg dry | 0.505   | 0.505              | 1        | EPA 9014/9010C<br>Certifications: NELAC-NY10854,CTDOH,NJDEP | 08/13/2015 08:46      | 08/13/2015 16:59      | AD      |

### Sample Information

**Client Sample ID:** Endpoint 5

**York Sample ID:** 15H0237-02

York Project (SDG) No.

15H0237

Client Project ID

Roberto Clemente

Matrix

Soil

Collection Date/Time

August 6, 2015 10:45 am

Date Received

08/07/2015

### Volatile Organics, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.  | Parameter              | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|------------------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 71-55-6  | 1,1,1-Trichloroethane  | ND     |      | ug/kg dry | 2.6     | 5.2                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 19:47      | BS      |
| 75-34-3  | 1,1-Dichloroethane     | ND     |      | ug/kg dry | 2.6     | 5.2                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 19:47      | BS      |
| 75-35-4  | 1,1-Dichloroethylene   | ND     |      | ug/kg dry | 2.6     | 5.2                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 19:47      | BS      |
| 95-63-6  | 1,2,4-Trimethylbenzene | ND     |      | ug/kg dry | 2.6     | 5.2                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:01      | 08/11/2015 19:47      | BS      |
| 95-50-1  | 1,2-Dichlorobenzene    | ND     |      | ug/kg dry | 2.6     | 5.2                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 19:47      | BS      |
| 107-06-2 | 1,2-Dichloroethane     | ND     |      | ug/kg dry | 2.6     | 5.2                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 19:47      | BS      |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND     |      | ug/kg dry | 2.6     | 5.2                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:01      | 08/11/2015 19:47      | BS      |
| 541-73-1 | 1,3-Dichlorobenzene    | ND     |      | ug/kg dry | 2.6     | 5.2                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 19:47      | BS      |
| 106-46-7 | 1,4-Dichlorobenzene    | ND     |      | ug/kg dry | 2.6     | 5.2                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 19:47      | BS      |
| 123-91-1 | 1,4-Dioxane            | ND     |      | ug/kg dry | 52      | 100                | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 08/11/2015 08:01      | 08/11/2015 19:47      | BS      |
| 78-93-3  | 2-Butanone             | ND     |      | ug/kg dry | 2.6     | 5.2                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:01      | 08/11/2015 19:47      | BS      |
| 67-64-1  | Acetone                | ND     |      | ug/kg dry | 5.2     | 10                 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:01      | 08/11/2015 19:47      | BS      |
| 71-43-2  | Benzene                | ND     |      | ug/kg dry | 2.6     | 5.2                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 19:47      | BS      |
| 56-23-5  | Carbon tetrachloride   | ND     |      | ug/kg dry | 2.6     | 5.2                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 19:47      | BS      |
| 108-90-7 | Chlorobenzene          | ND     |      | ug/kg dry | 2.6     | 5.2                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 19:47      | BS      |



## Sample Information

**Client Sample ID:** Endpoint 5

**York Sample ID:** 15H0237-02

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 10:45 am

Date Received  
08/07/2015

### Volatile Organics, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.                     | Parameter                        | Result        | Flag                    | Units     | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|----------------------------------|---------------|-------------------------|-----------|------------------------|-----|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 67-66-3                     | Chloroform                       | ND            |                         | ug/kg dry | 2.6                    | 5.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 19:47      | BS      |
| 156-59-2                    | cis-1,2-Dichloroethylene         | ND            |                         | ug/kg dry | 2.6                    | 5.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:01      | 08/11/2015 19:47      | BS      |
| 100-41-4                    | Ethyl Benzene                    | ND            |                         | ug/kg dry | 2.6                    | 5.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 19:47      | BS      |
| 1634-04-4                   | Methyl tert-butyl ether (MTBE)   | ND            |                         | ug/kg dry | 2.6                    | 5.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:01      | 08/11/2015 19:47      | BS      |
| 75-09-2                     | <b>Methylene chloride</b>        | <b>20</b>     |                         | ug/kg dry | 5.2                    | 10  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 19:47      | BS      |
| 91-20-3                     | Naphthalene                      | ND            |                         | ug/kg dry | 2.6                    | 10  | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 08/11/2015 08:01      | 08/11/2015 19:47      | BS      |
| 104-51-8                    | n-Butylbenzene                   | ND            |                         | ug/kg dry | 2.6                    | 5.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:01      | 08/11/2015 19:47      | BS      |
| 103-65-1                    | n-Propylbenzene                  | ND            |                         | ug/kg dry | 2.6                    | 5.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:01      | 08/11/2015 19:47      | BS      |
| 95-47-6                     | o-Xylene                         | ND            |                         | ug/kg dry | 2.6                    | 5.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 08/11/2015 08:01      | 08/11/2015 19:47      | BS      |
| 179601-23-1                 | p- & m- Xylenes                  | ND            |                         | ug/kg dry | 5.2                    | 10  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 08/11/2015 08:01      | 08/11/2015 19:47      | BS      |
| 135-98-8                    | sec-Butylbenzene                 | ND            |                         | ug/kg dry | 2.6                    | 5.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:01      | 08/11/2015 19:47      | BS      |
| 98-06-6                     | tert-Butylbenzene                | ND            |                         | ug/kg dry | 2.6                    | 5.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:01      | 08/11/2015 19:47      | BS      |
| 127-18-4                    | Tetrachloroethylene              | ND            |                         | ug/kg dry | 2.6                    | 5.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 19:47      | BS      |
| 108-88-3                    | Toluene                          | ND            |                         | ug/kg dry | 2.6                    | 5.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 19:47      | BS      |
| 156-60-5                    | trans-1,2-Dichloroethylene       | ND            |                         | ug/kg dry | 2.6                    | 5.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:01      | 08/11/2015 19:47      | BS      |
| 79-01-6                     | Trichloroethylene                | ND            |                         | ug/kg dry | 2.6                    | 5.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 19:47      | BS      |
| 75-01-4                     | Vinyl Chloride                   | ND            |                         | ug/kg dry | 2.6                    | 5.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 19:47      | BS      |
| 1330-20-7                   | Xylenes, Total                   | ND            |                         | ug/kg dry | 7.8                    | 16  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 19:47      | BS      |
| <b>Surrogate Recoveries</b> |                                  | <b>Result</b> | <b>Acceptance Range</b> |           |                        |     |          |                                                              |                       |                       |         |
| 17060-07-0                  | Surrogate: 1,2-Dichloroethane-d4 | 110 %         | 77-125                  |           |                        |     |          |                                                              |                       |                       |         |
| 2037-26-5                   | Surrogate: Toluene-d8            | 101 %         | 85-120                  |           |                        |     |          |                                                              |                       |                       |         |
| 460-00-4                    | Surrogate: p-Bromofluorobenzene  | 91.0 %        | 76-130                  |           |                        |     |          |                                                              |                       |                       |         |

### Semi-Volatiles, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:



## Sample Information

**Client Sample ID:** Endpoint 5

**York Sample ID:** 15H0237-02

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 10:45 am

Date Received  
08/07/2015

Sample Prepared by Method: EPA 3550C

| CAS No.              | Parameter                 | Result      | Flag             | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------------------|---------------------------|-------------|------------------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 83-32-9              | Acenaphthene              | ND          |                  | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 13:07      | KH      |
| 208-96-8             | Acenaphthylene            | ND          |                  | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 13:07      | KH      |
| 120-12-7             | Anthracene                | ND          |                  | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 13:07      | KH      |
| 56-55-3              | <b>Benzo(a)anthracene</b> | <b>43.7</b> | J                | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 13:07      | KH      |
| 50-32-8              | Benzo(a)pyrene            | ND          |                  | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 13:07      | KH      |
| 205-99-2             | Benzo(b)fluoranthene      | ND          |                  | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 13:07      | KH      |
| 191-24-2             | Benzo(g,h,i)perylene      | ND          |                  | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 13:07      | KH      |
| 207-08-9             | Benzo(k)fluoranthene      | ND          |                  | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 13:07      | KH      |
| 218-01-9             | <b>Chrysene</b>           | <b>45.7</b> | J                | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 13:07      | KH      |
| 53-70-3              | Dibenzo(a,h)anthracene    | ND          |                  | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 13:07      | KH      |
| 132-64-9             | Dibenzofuran              | ND          |                  | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/13/2015 08:08      | 08/14/2015 13:07      | KH      |
| 206-44-0             | <b>Fluoranthene</b>       | <b>67.6</b> | J                | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 13:07      | KH      |
| 86-73-7              | Fluorene                  | ND          |                  | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP       | 08/13/2015 08:08      | 08/14/2015 13:07      | KH      |
| 118-74-1             | Hexachlorobenzene         | ND          |                  | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 13:07      | KH      |
| 193-39-5             | Indeno(1,2,3-cd)pyrene    | ND          |                  | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 13:07      | KH      |
| 95-48-7              | 2-Methylphenol            | ND          |                  | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 13:07      | KH      |
| 65794-96-9           | 3- & 4-Methylphenols      | ND          |                  | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/13/2015 08:08      | 08/14/2015 13:07      | KH      |
| 91-20-3              | Naphthalene               | ND          |                  | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/13/2015 08:08      | 08/14/2015 13:07      | KH      |
| 87-86-5              | Pentachlorophenol         | ND          |                  | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 13:07      | KH      |
| 85-01-8              | Phenanthrene              | ND          |                  | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 13:07      | KH      |
| 108-95-2             | Phenol                    | ND          |                  | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 13:07      | KH      |
| 129-00-0             | <b>Pyrene</b>             | <b>70.3</b> | J                | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 13:07      | KH      |
| Surrogate Recoveries |                           | Result      | Acceptance Range |           |                        |      |          |                                                              |                       |                       |         |



## Sample Information

**Client Sample ID:** Endpoint 5

**York Sample ID:** 15H0237-02

York Project (SDG) No.

15H0237

Client Project ID

Roberto Clemente

Matrix

Soil

Collection Date/Time

August 6, 2015 10:45 am

Date Received

08/07/2015

### Semi-Volatiles, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.   | Parameter                       | Result | Flag | Units | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|---------------------------------|--------|------|-------|------------------------|-----|----------|------------------|-----------------------|-----------------------|---------|
| 367-12-4  | Surrogate: 2-Fluorophenol       | 76.9 % |      |       | 10-95                  |     |          |                  |                       |                       |         |
| 4165-62-2 | Surrogate: Phenol-d5            | 64.2 % |      |       | 10-107                 |     |          |                  |                       |                       |         |
| 4165-60-0 | Surrogate: Nitrobenzene-d5      | 68.2 % |      |       | 10-95                  |     |          |                  |                       |                       |         |
| 321-60-8  | Surrogate: 2-Fluorobiphenyl     | 67.9 % |      |       | 10-97                  |     |          |                  |                       |                       |         |
| 118-79-6  | Surrogate: 2,4,6-Tribromophenol | 84.4 % |      |       | 10-103                 |     |          |                  |                       |                       |         |
| 1718-51-0 | Surrogate: Terphenyl-d14        | 93.1 % |      |       | 19-99                  |     |          |                  |                       |                       |         |

### Pesticides, NYSDEC Part 375 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.              | Parameter                       | Result | Flag             | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------------------|---------------------------------|--------|------------------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 72-54-8              | 4,4'-DDD                        | ND     |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:16      | AMC     |
| 72-55-9              | 4,4'-DDE                        | ND     |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:16      | AMC     |
| 50-29-3              | 4,4'-DDT                        | ND     |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:16      | AMC     |
| 309-00-2             | Aldrin                          | ND     |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:16      | AMC     |
| 319-84-6             | alpha-BHC                       | ND     |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:16      | AMC     |
| 5103-71-9            | alpha-Chlordane                 | 14.1   |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP             | 08/12/2015 14:16      | 08/13/2015 18:16      | AMC     |
| 319-85-7             | beta-BHC                        | ND     |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:16      | AMC     |
| 319-86-8             | delta-BHC                       | ND     |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:16      | AMC     |
| 60-57-1              | Dieldrin                        | 5.41   |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:16      | AMC     |
| 959-98-8             | Endosulfan I                    | ND     |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:16      | AMC     |
| 33213-65-9           | Endosulfan II                   | ND     |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:16      | AMC     |
| 1031-07-8            | Endosulfan sulfate              | ND     |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:16      | AMC     |
| 72-20-8              | Endrin                          | ND     |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:16      | AMC     |
| 58-89-9              | gamma-BHC (Lindane)             | ND     |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:16      | AMC     |
| 76-44-8              | Heptachlor                      | ND     |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:16      | AMC     |
| Surrogate Recoveries |                                 | Result | Acceptance Range |           |                        |      |          |                                                              |                       |                       |         |
| 877-09-8             | Surrogate: Tetrachloro-m-xylene | 51.7 % | 30-140           |           |                        |      |          |                                                              |                       |                       |         |



## Sample Information

**Client Sample ID:** Endpoint 5

**York Sample ID:** 15H0237-02

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 10:45 am

Date Received  
08/07/2015

### Pesticides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.   | Parameter                     | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-------------------------------|--------|------|-------|---------|--------------------|----------|------------------|-----------------------|-----------------------|---------|
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 58.4 % |      |       |         | 30-140             |          |                  |                       |                       |         |

### Polychlorinated Biphenyls (PCB)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.              | Parameter                       | Result | Flag | Units            | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------------------|---------------------------------|--------|------|------------------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 12674-11-2           | Aroclor 1016                    | ND     |      | mg/kg dry        | 0.0171  | 0.0171             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 17:46      | AMC     |
| 11104-28-2           | Aroclor 1221                    | ND     |      | mg/kg dry        | 0.0171  | 0.0171             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 17:46      | AMC     |
| 11141-16-5           | Aroclor 1232                    | ND     |      | mg/kg dry        | 0.0171  | 0.0171             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 17:46      | AMC     |
| 53469-21-9           | Aroclor 1242                    | ND     |      | mg/kg dry        | 0.0171  | 0.0171             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 17:46      | AMC     |
| 12672-29-6           | Aroclor 1248                    | ND     |      | mg/kg dry        | 0.0171  | 0.0171             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 17:46      | AMC     |
| 11097-69-1           | Aroclor 1254                    | ND     |      | mg/kg dry        | 0.0171  | 0.0171             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 17:46      | AMC     |
| 11096-82-5           | Aroclor 1260                    | ND     |      | mg/kg dry        | 0.0171  | 0.0171             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 17:46      | AMC     |
| 1336-36-3            | * Total PCBs                    | ND     |      | mg/kg dry        | 0.0171  | 0.0171             | 1        | EPA 8082A<br>Certifications:                                 | 08/12/2015 14:16      | 08/13/2015 17:46      | AMC     |
| Surrogate Recoveries |                                 | Result |      | Acceptance Range |         |                    |          |                                                              |                       |                       |         |
| 877-09-8             | Surrogate: Tetrachloro-m-xylene | 59.7 % |      |                  |         | 30-140             |          |                                                              |                       |                       |         |
| 2051-24-3            | Surrogate: Decachlorobiphenyl   | 53.1 % |      |                  |         | 30-140             |          |                                                              |                       |                       |         |

### Herbicides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

| CAS No.              | Parameter                                       | Result | Flag | Units            | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------------------|-------------------------------------------------|--------|------|------------------|---------|--------------------|----------|----------------------------------------------------------------|-----------------------|-----------------------|---------|
| 93-72-1              | 2,4,5-TP (Silvex)                               | ND     |      | ug/kg dry        | 20.5    | 20.5               | 1        | EPA 8151A m<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 05:51      | 08/13/2015 16:42      | AMC     |
| Surrogate Recoveries |                                                 | Result |      | Acceptance Range |         |                    |          |                                                                |                       |                       |         |
| 19719-28-9           | Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) | 132 %  |      |                  |         | 30-150             |          |                                                                |                       |                       |         |

### Metals, NYSDEC Part 375

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7440-38-2 | Arsenic   | 3.47   |      | mg/kg dry | 1.02    | 1.02               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 14:54      | ALD     |





## Sample Information

**Client Sample ID:** Endpoint 5

**York Sample ID:** 15H0237-02

York Project (SDG) No.

15H0237

Client Project ID

Roberto Clemente

Matrix

Soil

Collection Date/Time

August 6, 2015 10:45 am

Date Received

08/07/2015

### Metals, NYSDEC Part 375

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7440-39-3 | Barium    | 15.4   |      | mg/kg dry | 1.02    | 1.02               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 14:54      | ALD     |
| 7440-41-7 | Beryllium | ND     |      | mg/kg dry | 0.102   | 0.102              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 14:54      | ALD     |
| 7440-43-9 | Cadmium   | ND     |      | mg/kg dry | 0.307   | 0.307              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 14:54      | ALD     |
| 7440-47-3 | Chromium  | 11.6   |      | mg/kg dry | 0.512   | 0.512              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 14:54      | ALD     |
| 7440-50-8 | Copper    | 16.3   |      | mg/kg dry | 0.512   | 0.512              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 14:54      | ALD     |
| 7439-92-1 | Lead      | 72.8   |      | mg/kg dry | 0.307   | 0.307              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 14:54      | ALD     |
| 7439-96-5 | Manganese | 67.7   |      | mg/kg dry | 0.512   | 0.512              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 14:54      | ALD     |
| 7440-02-0 | Nickel    | 6.94   |      | mg/kg dry | 0.512   | 0.512              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 14:54      | ALD     |
| 7782-49-2 | Selenium  | ND     |      | mg/kg dry | 1.02    | 1.02               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 14:54      | ALD     |
| 7440-22-4 | Silver    | ND     |      | mg/kg dry | 0.512   | 0.512              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 14:54      | ALD     |
| 7440-66-6 | Zinc      | 38.1   |      | mg/kg dry | 1.02    | 1.02               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 14:54      | ALD     |

### Mercury by 7473

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7439-97-6 | Mercury   | 0.0430 |      | mg/kg dry | 0.0307  | 0.0307             | 1        | EPA 7473<br>Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 08/10/2015 09:47      | 08/10/2015 13:12      | KV      |

### Total Solids

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter  | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                  | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|------------|--------|------|-------|---------|--------------------|----------|-----------------------------------|-----------------------|-----------------------|---------|
| solids  | * % Solids | 97.7   |      | %     | 0.100   | 0.100              | 1        | SM 2540G<br>Certifications: CTDOH | 08/10/2015 10:42      | 08/10/2015 18:12      | KK      |

### Chromium, Hexavalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW846-3060

| CAS No.    | Parameter            | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                       | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|----------------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------|-----------------------|-----------------------|---------|
| 18540-29-9 | Chromium, Hexavalent | ND     |      | mg/kg dry | 0.358   | 0.512              | 1        | EPA 7196A<br>Certifications: NJDEP,CTDOH,NELAC-NY10854 | 08/10/2015 07:42      | 08/10/2015 13:20      | SC      |





### Sample Information

**Client Sample ID:** Endpoint 5

**York Sample ID:** 15H0237-02

York Project (SDG) No.

15H0237

Client Project ID

Roberto Clemente

Matrix

Soil

Collection Date/Time

August 6, 2015 10:45 am

Date Received

08/07/2015

#### Chromium, Trivalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

| CAS No.    | Parameter             | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|-----------------------|--------|------|-------|---------|--------------------|----------|--------------------------------|-----------------------|-----------------------|---------|
| 16065-83-1 | * Chromium, Trivalent | 11.6   |      | mg/kg | 0.250   | 0.500              | 1        | Calculation<br>Certifications: | 08/14/2015 13:00      | 08/14/2015 16:06      | SC      |

#### Cyanide, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

| CAS No. | Parameter      | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|----------------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 57-12-5 | Cyanide, total | ND     |      | mg/kg dry | 0.512   | 0.512              | 1        | EPA 9014/9010C<br>Certifications: NELAC-NY10854,CTDOH,NJDEP | 08/13/2015 08:46      | 08/13/2015 16:59      | AD      |

### Sample Information

**Client Sample ID:** Endpoint 6

**York Sample ID:** 15H0237-03

York Project (SDG) No.

15H0237

Client Project ID

Roberto Clemente

Matrix

Soil

Collection Date/Time

August 6, 2015 10:50 am

Date Received

08/07/2015

#### Volatile Organics, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.  | Parameter              | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|------------------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 71-55-6  | 1,1,1-Trichloroethane  | ND     |      | ug/kg dry | 3.2     | 6.5                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 20:17      | BS      |
| 75-34-3  | 1,1-Dichloroethane     | ND     |      | ug/kg dry | 3.2     | 6.5                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 20:17      | BS      |
| 75-35-4  | 1,1-Dichloroethylene   | ND     |      | ug/kg dry | 3.2     | 6.5                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 20:17      | BS      |
| 95-63-6  | 1,2,4-Trimethylbenzene | ND     |      | ug/kg dry | 3.2     | 6.5                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:01      | 08/11/2015 20:17      | BS      |
| 95-50-1  | 1,2-Dichlorobenzene    | ND     |      | ug/kg dry | 3.2     | 6.5                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 20:17      | BS      |
| 107-06-2 | 1,2-Dichloroethane     | ND     |      | ug/kg dry | 3.2     | 6.5                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 20:17      | BS      |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND     |      | ug/kg dry | 3.2     | 6.5                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:01      | 08/11/2015 20:17      | BS      |
| 541-73-1 | 1,3-Dichlorobenzene    | ND     |      | ug/kg dry | 3.2     | 6.5                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 20:17      | BS      |
| 106-46-7 | 1,4-Dichlorobenzene    | ND     |      | ug/kg dry | 3.2     | 6.5                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 20:17      | BS      |
| 123-91-1 | 1,4-Dioxane            | ND     |      | ug/kg dry | 65      | 130                | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 08/11/2015 08:01      | 08/11/2015 20:17      | BS      |
| 78-93-3  | 2-Butanone             | ND     |      | ug/kg dry | 3.2     | 6.5                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:01      | 08/11/2015 20:17      | BS      |



## Sample Information

**Client Sample ID:** Endpoint 6

**York Sample ID:** 15H0237-03

York Project (SDG) No.

15H0237

Client Project ID

Roberto Clemente

Matrix

Soil

Collection Date/Time

August 6, 2015 10:50 am

Date Received

08/07/2015

### Volatile Organics, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.     | Parameter                      | Result    | Flag       | Units     | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-------------|--------------------------------|-----------|------------|-----------|------------------------|-----|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 67-64-1     | Acetone                        | ND        | SCAL-<br>E | ug/kg dry | 6.5                    | 13  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:01      | 08/11/2015 20:17      | BS      |
| 71-43-2     | Benzene                        | ND        |            | ug/kg dry | 3.2                    | 6.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 20:17      | BS      |
| 56-23-5     | Carbon tetrachloride           | ND        |            | ug/kg dry | 3.2                    | 6.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 20:17      | BS      |
| 108-90-7    | Chlorobenzene                  | ND        |            | ug/kg dry | 3.2                    | 6.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 20:17      | BS      |
| 67-66-3     | Chloroform                     | ND        |            | ug/kg dry | 3.2                    | 6.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 20:17      | BS      |
| 156-59-2    | cis-1,2-Dichloroethylene       | ND        |            | ug/kg dry | 3.2                    | 6.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:01      | 08/11/2015 20:17      | BS      |
| 100-41-4    | Ethyl Benzene                  | ND        |            | ug/kg dry | 3.2                    | 6.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 20:17      | BS      |
| 1634-04-4   | Methyl tert-butyl ether (MTBE) | ND        |            | ug/kg dry | 3.2                    | 6.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:01      | 08/11/2015 20:17      | BS      |
| 75-09-2     | <b>Methylene chloride</b>      | <b>30</b> |            | ug/kg dry | 6.5                    | 13  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 20:17      | BS      |
| 91-20-3     | Naphthalene                    | ND        |            | ug/kg dry | 3.2                    | 13  | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 08/11/2015 08:01      | 08/11/2015 20:17      | BS      |
| 104-51-8    | n-Butylbenzene                 | ND        |            | ug/kg dry | 3.2                    | 6.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:01      | 08/11/2015 20:17      | BS      |
| 103-65-1    | n-Propylbenzene                | ND        |            | ug/kg dry | 3.2                    | 6.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:01      | 08/11/2015 20:17      | BS      |
| 95-47-6     | o-Xylene                       | ND        |            | ug/kg dry | 3.2                    | 6.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 08/11/2015 08:01      | 08/11/2015 20:17      | BS      |
| 179601-23-1 | p- & m- Xylenes                | ND        |            | ug/kg dry | 6.5                    | 13  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 08/11/2015 08:01      | 08/11/2015 20:17      | BS      |
| 135-98-8    | sec-Butylbenzene               | ND        |            | ug/kg dry | 3.2                    | 6.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:01      | 08/11/2015 20:17      | BS      |
| 98-06-6     | tert-Butylbenzene              | ND        |            | ug/kg dry | 3.2                    | 6.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:01      | 08/11/2015 20:17      | BS      |
| 127-18-4    | Tetrachloroethylene            | ND        |            | ug/kg dry | 3.2                    | 6.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 20:17      | BS      |
| 108-88-3    | Toluene                        | ND        |            | ug/kg dry | 3.2                    | 6.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 20:17      | BS      |
| 156-60-5    | trans-1,2-Dichloroethylene     | ND        |            | ug/kg dry | 3.2                    | 6.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:01      | 08/11/2015 20:17      | BS      |
| 79-01-6     | Trichloroethylene              | ND        |            | ug/kg dry | 3.2                    | 6.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 20:17      | BS      |
| 75-01-4     | Vinyl Chloride                 | ND        |            | ug/kg dry | 3.2                    | 6.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 20:17      | BS      |
| 1330-20-7   | Xylenes, Total                 | ND        |            | ug/kg dry | 9.7                    | 19  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:01      | 08/11/2015 20:17      | BS      |



## Sample Information

**Client Sample ID:** Endpoint 6

**York Sample ID:** 15H0237-03

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

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Collection Date/Time  
August 6, 2015 10:50 am

Date Received  
08/07/2015

### Volatile Organics, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.              | Parameter                        | Result | Flag | Units | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------------------|----------------------------------|--------|------|-------|------------------------|--------|----------|------------------|-----------------------|-----------------------|---------|
| Surrogate Recoveries |                                  | Result |      |       | Acceptance Range       |        |          |                  |                       |                       |         |
| 17060-07-0           | Surrogate: 1,2-Dichloroethane-d4 | 112 %  |      |       |                        | 77-125 |          |                  |                       |                       |         |
| 2037-26-5            | Surrogate: Toluene-d8            | 112 %  |      |       |                        | 85-120 |          |                  |                       |                       |         |
| 460-00-4             | Surrogate: p-Bromofluorobenzene  | 112 %  |      |       |                        | 76-130 |          |                  |                       |                       |         |

### Semi-Volatiles, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter              | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|------------------------|--------|------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 83-32-9    | Acenaphthene           | ND     |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 13:39      | KH      |
| 208-96-8   | Acenaphthylene         | ND     |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 13:39      | KH      |
| 120-12-7   | Anthracene             | ND     |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 13:39      | KH      |
| 56-55-3    | Benzo(a)anthracene     | ND     |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 13:39      | KH      |
| 50-32-8    | Benzo(a)pyrene         | ND     |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 13:39      | KH      |
| 205-99-2   | Benzo(b)fluoranthene   | ND     |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 13:39      | KH      |
| 191-24-2   | Benzo(g,h,i)perylene   | ND     |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 13:39      | KH      |
| 207-08-9   | Benzo(k)fluoranthene   | ND     |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 13:39      | KH      |
| 218-01-9   | Chrysene               | ND     |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 13:39      | KH      |
| 53-70-3    | Dibenzo(a,h)anthracene | ND     |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 13:39      | KH      |
| 132-64-9   | Dibenzofuran           | ND     |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/13/2015 08:08      | 08/14/2015 13:39      | KH      |
| 206-44-0   | Fluoranthene           | ND     |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 13:39      | KH      |
| 86-73-7    | Fluorene               | ND     |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP       | 08/13/2015 08:08      | 08/14/2015 13:39      | KH      |
| 118-74-1   | Hexachlorobenzene      | ND     |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 13:39      | KH      |
| 193-39-5   | Indeno(1,2,3-cd)pyrene | ND     |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 13:39      | KH      |
| 95-48-7    | 2-Methylphenol         | ND     |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 13:39      | KH      |
| 65794-96-9 | 3- & 4-Methylphenols   | ND     |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/13/2015 08:08      | 08/14/2015 13:39      | KH      |



## Sample Information

**Client Sample ID:** Endpoint 6

**York Sample ID:** 15H0237-03

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 10:50 am

Date Received  
08/07/2015

### Semi-Volatiles, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag | Units     | Reported to<br>LOD/MDL  | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|------|-----------|-------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 91-20-3                     | Naphthalene                     | ND            |      | ug/kg dry | 42.1                    | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/13/2015 08:08      | 08/14/2015 13:39      | KH      |
| 87-86-5                     | Pentachlorophenol               | ND            |      | ug/kg dry | 42.1                    | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 13:39      | KH      |
| 85-01-8                     | Phenanthrene                    | ND            |      | ug/kg dry | 42.1                    | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 13:39      | KH      |
| 108-95-2                    | Phenol                          | ND            |      | ug/kg dry | 42.1                    | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 13:39      | KH      |
| 129-00-0                    | Pyrene                          | ND            |      | ug/kg dry | 42.1                    | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 13:39      | KH      |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> |      |           | <b>Acceptance Range</b> |      |          |                                                              |                       |                       |         |
| 367-12-4                    | Surrogate: 2-Fluorophenol       | 39.0 %        |      |           | 10-95                   |      |          |                                                              |                       |                       |         |
| 4165-62-2                   | Surrogate: Phenol-d5            | 35.6 %        |      |           | 10-107                  |      |          |                                                              |                       |                       |         |
| 4165-60-0                   | Surrogate: Nitrobenzene-d5      | 40.0 %        |      |           | 10-95                   |      |          |                                                              |                       |                       |         |
| 321-60-8                    | Surrogate: 2-Fluorobiphenyl     | 38.0 %        |      |           | 10-97                   |      |          |                                                              |                       |                       |         |
| 118-79-6                    | Surrogate: 2,4,6-Tribromophenol | 47.7 %        |      |           | 10-103                  |      |          |                                                              |                       |                       |         |
| 1718-51-0                   | Surrogate: Terphenyl-d14        | 54.7 %        |      |           | 19-99                   |      |          |                                                              |                       |                       |         |

### Pesticides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.   | Parameter       | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------------|--------|------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 72-54-8   | 4,4'-DDD        | ND     |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:31      | AMC     |
| 72-55-9   | 4,4'-DDE        | ND     |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:31      | AMC     |
| 50-29-3   | 4,4'-DDT        | ND     |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:31      | AMC     |
| 309-00-2  | Aldrin          | ND     |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:31      | AMC     |
| 319-84-6  | alpha-BHC       | ND     |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:31      | AMC     |
| 5103-71-9 | alpha-Chlordane | 23.6   |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP             | 08/12/2015 14:16      | 08/13/2015 18:31      | AMC     |
| 319-85-7  | beta-BHC        | ND     |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:31      | AMC     |
| 319-86-8  | delta-BHC       | ND     |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:31      | AMC     |
| 60-57-1   | Dieldrin        | 7.50   |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:31      | AMC     |
| 959-98-8  | Endosulfan I    | ND     |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:31      | AMC     |



## Sample Information

**Client Sample ID:** Endpoint 6

**York Sample ID:** 15H0237-03

York Project (SDG) No.

15H0237

Client Project ID

Roberto Clemente

Matrix

Soil

Collection Date/Time

August 6, 2015 10:50 am

Date Received

08/07/2015

### Pesticides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag | Units                   | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|------|-------------------------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 33213-65-9                  | Endosulfan II                   | ND            |      | ug/kg dry               | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:31      | AMC     |
| 1031-07-8                   | Endosulfan sulfate              | ND            |      | ug/kg dry               | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:31      | AMC     |
| 72-20-8                     | Endrin                          | ND            |      | ug/kg dry               | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:31      | AMC     |
| 58-89-9                     | gamma-BHC (Lindane)             | ND            |      | ug/kg dry               | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:31      | AMC     |
| 76-44-8                     | Heptachlor                      | ND            |      | ug/kg dry               | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:31      | AMC     |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> |      | <b>Acceptance Range</b> |         |                    |          |                                                              |                       |                       |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 47.8 %        |      | 30-140                  |         |                    |          |                                                              |                       |                       |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 51.9 %        |      | 30-140                  |         |                    |          |                                                              |                       |                       |         |

### Polychlorinated Biphenyls (PCB)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag | Units                   | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|------|-------------------------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 12674-11-2                  | Aroclor 1016                    | ND            |      | mg/kg dry               | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:05      | AMC     |
| 11104-28-2                  | Aroclor 1221                    | ND            |      | mg/kg dry               | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:05      | AMC     |
| 11141-16-5                  | Aroclor 1232                    | ND            |      | mg/kg dry               | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:05      | AMC     |
| 53469-21-9                  | Aroclor 1242                    | ND            |      | mg/kg dry               | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:05      | AMC     |
| 12672-29-6                  | Aroclor 1248                    | ND            |      | mg/kg dry               | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:05      | AMC     |
| 11097-69-1                  | Aroclor 1254                    | ND            |      | mg/kg dry               | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:05      | AMC     |
| 11096-82-5                  | Aroclor 1260                    | ND            |      | mg/kg dry               | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:05      | AMC     |
| 1336-36-3                   | * Total PCBs                    | ND            |      | mg/kg dry               | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications:                                 | 08/12/2015 14:16      | 08/13/2015 18:05      | AMC     |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> |      | <b>Acceptance Range</b> |         |                    |          |                                                              |                       |                       |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 51.2 %        |      | 30-140                  |         |                    |          |                                                              |                       |                       |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 46.9 %        |      | 30-140                  |         |                    |          |                                                              |                       |                       |         |

### Herbicides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|-----------|--------|------|-------|---------|--------------------|----------|------------------|-----------------------|-----------------------|---------|
|---------|-----------|--------|------|-------|---------|--------------------|----------|------------------|-----------------------|-----------------------|---------|



## Sample Information

**Client Sample ID:** Endpoint 6

**York Sample ID:** 15H0237-03

**York Project (SDG) No.**  
15H0237

**Client Project ID**  
Roberto Clemente

**Matrix**  
Soil

**Collection Date/Time**  
August 6, 2015 10:50 am

**Date Received**  
08/07/2015

### Herbicides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

| CAS No.              | Parameter                                       | Result | Flag | Units            | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------------------|-------------------------------------------------|--------|------|------------------|---------|--------------------|----------|----------------------------------------------------------------|-----------------------|-----------------------|---------|
| 93-72-1              | 2,4,5-TP (Silvex)                               | ND     |      | ug/kg dry        | 20.1    | 20.1               | 1        | EPA 8151A m<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 05:51      | 08/13/2015 16:57      | AMC     |
| Surrogate Recoveries |                                                 | Result |      | Acceptance Range |         |                    |          |                                                                |                       |                       |         |
| 19719-28-9           | Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) | 123 %  |      | 30-150           |         |                    |          |                                                                |                       |                       |         |

### Metals, NYSDEC Part 375

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7440-38-2 | Arsenic   | 2.44   |      | mg/kg dry | 1.01    | 1.01               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 14:59      | ALD     |
| 7440-39-3 | Barium    | 13.9   |      | mg/kg dry | 1.01    | 1.01               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 14:59      | ALD     |
| 7440-41-7 | Beryllium | ND     |      | mg/kg dry | 0.101   | 0.101              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 14:59      | ALD     |
| 7440-43-9 | Cadmium   | ND     |      | mg/kg dry | 0.302   | 0.302              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 14:59      | ALD     |
| 7440-47-3 | Chromium  | 5.39   |      | mg/kg dry | 0.504   | 0.504              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 14:59      | ALD     |
| 7440-50-8 | Copper    | 6.91   |      | mg/kg dry | 0.504   | 0.504              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 14:59      | ALD     |
| 7439-92-1 | Lead      | 71.3   |      | mg/kg dry | 0.302   | 0.302              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 14:59      | ALD     |
| 7439-96-5 | Manganese | 54.8   |      | mg/kg dry | 0.504   | 0.504              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 14:59      | ALD     |
| 7440-02-0 | Nickel    | 3.22   |      | mg/kg dry | 0.504   | 0.504              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 14:59      | ALD     |
| 7782-49-2 | Selenium  | ND     |      | mg/kg dry | 1.01    | 1.01               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 14:59      | ALD     |
| 7440-22-4 | Silver    | ND     |      | mg/kg dry | 0.504   | 0.504              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 14:59      | ALD     |
| 7440-66-6 | Zinc      | 30.5   |      | mg/kg dry | 1.01    | 1.01               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 14:59      | ALD     |

### Mercury by 7473

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7439-97-6 | Mercury   | 0.0379 |      | mg/kg dry | 0.0302  | 0.0302             | 1        | EPA 7473<br>Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 08/10/2015 09:47      | 08/10/2015 13:21      | KV      |



## Sample Information

**Client Sample ID:** Endpoint 6

**York Sample ID:** 15H0237-03

York Project (SDG) No.

15H0237

Client Project ID

Roberto Clemente

Matrix

Soil

Collection Date/Time

August 6, 2015 10:50 am

Date Received

08/07/2015

### Total Solids

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter  | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                  | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|------------|--------|------|-------|---------|--------------------|----------|-----------------------------------|-----------------------|-----------------------|---------|
| solids  | * % Solids | 99.3   |      | %     | 0.100   | 0.100              | 1        | SM 2540G<br>Certifications: CTDOH | 08/10/2015 10:42      | 08/10/2015 18:12      | KK      |

### Chromium, Hexavalent

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA SW846-3060

| CAS No.    | Parameter            | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                       | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|----------------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------|-----------------------|-----------------------|---------|
| 18540-29-9 | Chromium, Hexavalent | ND     |      | mg/kg dry | 0.353   | 0.504              | 1        | EPA 7196A<br>Certifications: NJDEP,CTDOH,NELAC-NY10854 | 08/10/2015 07:42      | 08/10/2015 13:20      | SC      |

### Chromium, Trivalent

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: Analysis Preparation

| CAS No.    | Parameter             | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|-----------------------|--------|------|-------|---------|--------------------|----------|--------------------------------|-----------------------|-----------------------|---------|
| 16065-83-1 | * Chromium, Trivalent | 5.39   |      | mg/kg | 0.250   | 0.500              | 1        | Calculation<br>Certifications: | 08/14/2015 13:00      | 08/14/2015 16:06      | SC      |

### Cyanide, Total

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

| CAS No. | Parameter      | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|----------------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 57-12-5 | Cyanide, total | ND     |      | mg/kg dry | 0.504   | 0.504              | 1        | EPA 9014/9010C<br>Certifications: NELAC-NY10854,CTDOH,NJDEP | 08/13/2015 08:46      | 08/13/2015 16:59      | AD      |

## Sample Information

**Client Sample ID:** Endpoint 7

**York Sample ID:** 15H0237-04

York Project (SDG) No.

15H0237

Client Project ID

Roberto Clemente

Matrix

Soil

Collection Date/Time

August 6, 2015 11:00 am

Date Received

08/07/2015

### Volatile Organics, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No. | Parameter             | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|-----------------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 71-55-6 | 1,1,1-Trichloroethane | ND     |      | ug/kg dry | 2.7     | 5.4                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 08:49      | 08/12/2015 14:12      | BS      |
| 75-34-3 | 1,1-Dichloroethane    | ND     |      | ug/kg dry | 2.7     | 5.4                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 08:49      | 08/12/2015 14:12      | BS      |
| 75-35-4 | 1,1-Dichloroethylene  | ND     |      | ug/kg dry | 2.7     | 5.4                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 08:49      | 08/12/2015 14:12      | BS      |





## Sample Information

**Client Sample ID:** Endpoint 7

**York Sample ID:** 15H0237-04

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 11:00 am

Date Received  
08/07/2015

### Volatile Organics, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.     | Parameter                      | Result    | Flag   | Units     | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-------------|--------------------------------|-----------|--------|-----------|------------------------|-----|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 95-63-6     | 1,2,4-Trimethylbenzene         | ND        |        | ug/kg dry | 2.7                    | 5.4 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/12/2015 08:49      | 08/12/2015 14:12      | BS      |
| 95-50-1     | 1,2-Dichlorobenzene            | ND        |        | ug/kg dry | 2.7                    | 5.4 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 08:49      | 08/12/2015 14:12      | BS      |
| 107-06-2    | 1,2-Dichloroethane             | ND        |        | ug/kg dry | 2.7                    | 5.4 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 08:49      | 08/12/2015 14:12      | BS      |
| 108-67-8    | 1,3,5-Trimethylbenzene         | ND        |        | ug/kg dry | 2.7                    | 5.4 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/12/2015 08:49      | 08/12/2015 14:12      | BS      |
| 541-73-1    | 1,3-Dichlorobenzene            | ND        |        | ug/kg dry | 2.7                    | 5.4 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 08:49      | 08/12/2015 14:12      | BS      |
| 106-46-7    | 1,4-Dichlorobenzene            | ND        |        | ug/kg dry | 2.7                    | 5.4 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 08:49      | 08/12/2015 14:12      | BS      |
| 123-91-1    | 1,4-Dioxane                    | ND        |        | ug/kg dry | 54                     | 110 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 08/12/2015 08:49      | 08/12/2015 14:12      | BS      |
| 78-93-3     | 2-Butanone                     | ND        |        | ug/kg dry | 2.7                    | 5.4 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/12/2015 08:49      | 08/12/2015 14:12      | BS      |
| 67-64-1     | Acetone                        | ND        | SCAL-E | ug/kg dry | 5.4                    | 11  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/12/2015 08:49      | 08/12/2015 14:12      | BS      |
| 71-43-2     | Benzene                        | ND        |        | ug/kg dry | 2.7                    | 5.4 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 08:49      | 08/12/2015 14:12      | BS      |
| 56-23-5     | Carbon tetrachloride           | ND        |        | ug/kg dry | 2.7                    | 5.4 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 08:49      | 08/12/2015 14:12      | BS      |
| 108-90-7    | Chlorobenzene                  | ND        |        | ug/kg dry | 2.7                    | 5.4 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 08:49      | 08/12/2015 14:12      | BS      |
| 67-66-3     | Chloroform                     | ND        |        | ug/kg dry | 2.7                    | 5.4 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 08:49      | 08/12/2015 14:12      | BS      |
| 156-59-2    | cis-1,2-Dichloroethylene       | ND        |        | ug/kg dry | 2.7                    | 5.4 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/12/2015 08:49      | 08/12/2015 14:12      | BS      |
| 100-41-4    | Ethyl Benzene                  | ND        |        | ug/kg dry | 2.7                    | 5.4 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 08:49      | 08/12/2015 14:12      | BS      |
| 1634-04-4   | Methyl tert-butyl ether (MTBE) | ND        |        | ug/kg dry | 2.7                    | 5.4 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/12/2015 08:49      | 08/12/2015 14:12      | BS      |
| 75-09-2     | <b>Methylene chloride</b>      | <b>21</b> |        | ug/kg dry | 5.4                    | 11  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 08:49      | 08/12/2015 14:12      | BS      |
| 91-20-3     | Naphthalene                    | ND        |        | ug/kg dry | 2.7                    | 11  | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 08/12/2015 08:49      | 08/12/2015 14:12      | BS      |
| 104-51-8    | n-Butylbenzene                 | ND        |        | ug/kg dry | 2.7                    | 5.4 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/12/2015 08:49      | 08/12/2015 14:12      | BS      |
| 103-65-1    | n-Propylbenzene                | ND        |        | ug/kg dry | 2.7                    | 5.4 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/12/2015 08:49      | 08/12/2015 14:12      | BS      |
| 95-47-6     | o-Xylene                       | ND        |        | ug/kg dry | 2.7                    | 5.4 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 08/12/2015 08:49      | 08/12/2015 14:12      | BS      |
| 179601-23-1 | p- & m- Xylenes                | ND        |        | ug/kg dry | 5.4                    | 11  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 08/12/2015 08:49      | 08/12/2015 14:12      | BS      |





## Sample Information

**Client Sample ID:** Endpoint 7

**York Sample ID:** 15H0237-04

**York Project (SDG) No.**  
15H0237

**Client Project ID**  
Roberto Clemente

**Matrix**  
Soil

**Collection Date/Time**  
August 6, 2015 11:00 am

**Date Received**  
08/07/2015

### Volatile Organics, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.                     | Parameter                        | Result        | Flag | Units     | Reported to<br>LOD/MDL  | LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|----------------------------------|---------------|------|-----------|-------------------------|-----|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 135-98-8                    | sec-Butylbenzene                 | ND            |      | ug/kg dry | 2.7                     | 5.4 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/12/2015 08:49      | 08/12/2015 14:12      | BS      |
| 98-06-6                     | tert-Butylbenzene                | ND            |      | ug/kg dry | 2.7                     | 5.4 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/12/2015 08:49      | 08/12/2015 14:12      | BS      |
| 127-18-4                    | Tetrachloroethylene              | ND            |      | ug/kg dry | 2.7                     | 5.4 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 08:49      | 08/12/2015 14:12      | BS      |
| 108-88-3                    | Toluene                          | ND            |      | ug/kg dry | 2.7                     | 5.4 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 08:49      | 08/12/2015 14:12      | BS      |
| 156-60-5                    | trans-1,2-Dichloroethylene       | ND            |      | ug/kg dry | 2.7                     | 5.4 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/12/2015 08:49      | 08/12/2015 14:12      | BS      |
| 79-01-6                     | Trichloroethylene                | ND            |      | ug/kg dry | 2.7                     | 5.4 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 08:49      | 08/12/2015 14:12      | BS      |
| 75-01-4                     | Vinyl Chloride                   | ND            |      | ug/kg dry | 2.7                     | 5.4 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 08:49      | 08/12/2015 14:12      | BS      |
| 1330-20-7                   | Xylenes, Total                   | ND            |      | ug/kg dry | 8.1                     | 16  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 08:49      | 08/12/2015 14:12      | BS      |
| <b>Surrogate Recoveries</b> |                                  | <b>Result</b> |      |           | <b>Acceptance Range</b> |     |          |                                                              |                       |                       |         |
| 17060-07-0                  | Surrogate: 1,2-Dichloroethane-d4 | 116 %         |      |           | 77-125                  |     |          |                                                              |                       |                       |         |
| 2037-26-5                   | Surrogate: Toluene-d8            | 104 %         |      |           | 85-120                  |     |          |                                                              |                       |                       |         |
| 460-00-4                    | Surrogate: p-Bromofluorobenzene  | 93.3 %        |      |           | 76-130                  |     |          |                                                              |                       |                       |         |

### Semi-Volatiles, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter            | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|----------------------|--------|------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 83-32-9  | Acenaphthene         | ND     |      | ug/kg dry | 42.1                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 19:09      | SR      |
| 208-96-8 | Acenaphthylene       | ND     |      | ug/kg dry | 42.1                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 19:09      | SR      |
| 120-12-7 | Anthracene           | ND     |      | ug/kg dry | 42.1                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 19:09      | SR      |
| 56-55-3  | Benzo(a)anthracene   | ND     |      | ug/kg dry | 42.1                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 19:09      | SR      |
| 50-32-8  | Benzo(a)pyrene       | ND     |      | ug/kg dry | 42.1                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 19:09      | SR      |
| 205-99-2 | Benzo(b)fluoranthene | ND     |      | ug/kg dry | 42.1                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 19:09      | SR      |
| 191-24-2 | Benzo(g,h,i)perylene | ND     |      | ug/kg dry | 42.1                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 19:09      | SR      |
| 207-08-9 | Benzo(k)fluoranthene | ND     |      | ug/kg dry | 42.1                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 19:09      | SR      |
| 218-01-9 | Chrysene             | ND     |      | ug/kg dry | 42.1                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 19:09      | SR      |



## Sample Information

**Client Sample ID:** Endpoint 7

**York Sample ID:** 15H0237-04

York Project (SDG) No.

15H0237

Client Project ID

Roberto Clemente

Matrix

Soil

Collection Date/Time

August 6, 2015 11:00 am

Date Received

08/07/2015

### Semi-Volatiles, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter              | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|------------------------|--------|------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 53-70-3    | Dibenzo(a,h)anthracene | ND     |      | ug/kg dry | 42.1                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 19:09      | SR      |
| 132-64-9   | Dibenzofuran           | ND     |      | ug/kg dry | 42.1                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/13/2015 08:08      | 08/13/2015 19:09      | SR      |
| 206-44-0   | Fluoranthene           | ND     |      | ug/kg dry | 42.1                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 19:09      | SR      |
| 86-73-7    | Fluorene               | ND     |      | ug/kg dry | 42.1                   | 83.9 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP       | 08/13/2015 08:08      | 08/13/2015 19:09      | SR      |
| 118-74-1   | Hexachlorobenzene      | ND     |      | ug/kg dry | 42.1                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 19:09      | SR      |
| 193-39-5   | Indeno(1,2,3-cd)pyrene | ND     |      | ug/kg dry | 42.1                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 19:09      | SR      |
| 95-48-7    | 2-Methylphenol         | ND     |      | ug/kg dry | 42.1                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 19:09      | SR      |
| 65794-96-9 | 3- & 4-Methylphenols   | ND     |      | ug/kg dry | 42.1                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/13/2015 08:08      | 08/13/2015 19:09      | SR      |
| 91-20-3    | Naphthalene            | ND     |      | ug/kg dry | 42.1                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/13/2015 08:08      | 08/13/2015 19:09      | SR      |
| 87-86-5    | Pentachlorophenol      | ND     |      | ug/kg dry | 42.1                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 19:09      | SR      |
| 85-01-8    | Phenanthrene           | ND     |      | ug/kg dry | 42.1                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 19:09      | SR      |
| 108-95-2   | Phenol                 | ND     |      | ug/kg dry | 42.1                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 19:09      | SR      |
| 129-00-0   | Pyrene                 | ND     |      | ug/kg dry | 42.1                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 19:09      | SR      |

| Surrogate Recoveries |                                 | Result | Acceptance Range |
|----------------------|---------------------------------|--------|------------------|
| 367-12-4             | Surrogate: 2-Fluorophenol       | 17.4 % | 10-95            |
| 4165-62-2            | Surrogate: Phenol-d5            | 19.6 % | 10-107           |
| 4165-60-0            | Surrogate: Nitrobenzene-d5      | 18.7 % | 10-95            |
| 321-60-8             | Surrogate: 2-Fluorobiphenyl     | 19.4 % | 10-97            |
| 118-79-6             | Surrogate: 2,4,6-Tribromophenol | 13.6 % | 10-103           |
| 1718-51-0            | Surrogate: Terphenyl-d14        | 22.1 % | 19-99            |

### Pesticides, NYSDEC Part 375 Target List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|-----------|--------|------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 72-54-8 | 4,4'-DDD  | ND     |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:46      | AMC     |
| 72-55-9 | 4,4'-DDE  | 6.07   |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:46      | AMC     |



## Sample Information

**Client Sample ID:** Endpoint 7

**York Sample ID:** 15H0237-04

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 11:00 am

Date Received  
08/07/2015

### Pesticides, NYSDEC Part 375 Target List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.              | Parameter                       | Result | Flag             | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------------------|---------------------------------|--------|------------------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 50-29-3              | 4,4'-DDT                        | 8.46   |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:46      | AMC     |
| 309-00-2             | Aldrin                          | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:46      | AMC     |
| 319-84-6             | alpha-BHC                       | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:46      | AMC     |
| 5103-71-9            | alpha-Chlordane                 | 5.01   |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP             | 08/12/2015 14:16      | 08/13/2015 18:46      | AMC     |
| 319-85-7             | beta-BHC                        | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:46      | AMC     |
| 319-86-8             | delta-BHC                       | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:46      | AMC     |
| 60-57-1              | Dieldrin                        | 5.35   |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:46      | AMC     |
| 959-98-8             | Endosulfan I                    | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:46      | AMC     |
| 33213-65-9           | Endosulfan II                   | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:46      | AMC     |
| 1031-07-8            | Endosulfan sulfate              | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:46      | AMC     |
| 72-20-8              | Endrin                          | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:46      | AMC     |
| 58-89-9              | gamma-BHC (Lindane)             | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:46      | AMC     |
| 76-44-8              | Heptachlor                      | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:46      | AMC     |
| Surrogate Recoveries |                                 | Result | Acceptance Range |           |         |                    |          |                                                              |                       |                       |         |
| 877-09-8             | Surrogate: Tetrachloro-m-xylene | 54.5 % | 30-140           |           |         |                    |          |                                                              |                       |                       |         |
| 2051-24-3            | Surrogate: Decachlorobiphenyl   | 53.5 % | 30-140           |           |         |                    |          |                                                              |                       |                       |         |

### Polychlorinated Biphenyls (PCB)

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter    | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|--------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 12674-11-2 | Aroclor 1016 | ND     |      | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:24      | AMC     |
| 11104-28-2 | Aroclor 1221 | ND     |      | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:24      | AMC     |
| 11141-16-5 | Aroclor 1232 | ND     |      | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:24      | AMC     |
| 53469-21-9 | Aroclor 1242 | ND     |      | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:24      | AMC     |



## Sample Information

**Client Sample ID:** Endpoint 7

**York Sample ID:** 15H0237-04

York Project (SDG) No.

15H0237

Client Project ID

Roberto Clemente

Matrix

Soil

Collection Date/Time

August 6, 2015 11:00 am

Date Received

08/07/2015

### Polychlorinated Biphenyls (PCB)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag | Units     | LOD/MDL                 | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|------|-----------|-------------------------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 12672-29-6                  | Aroclor 1248                    | ND            |      | mg/kg dry | 0.0168                  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:24      | AMC     |
| 11097-69-1                  | Aroclor 1254                    | ND            |      | mg/kg dry | 0.0168                  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:24      | AMC     |
| 11096-82-5                  | Aroclor 1260                    | ND            |      | mg/kg dry | 0.0168                  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:24      | AMC     |
| 1336-36-3                   | * Total PCBs                    | ND            |      | mg/kg dry | 0.0168                  | 0.0168             | 1        | EPA 8082A<br>Certifications:                                 | 08/12/2015 14:16      | 08/13/2015 18:24      | AMC     |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> |      |           | <b>Acceptance Range</b> |                    |          |                                                              |                       |                       |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 68.2 %        |      |           | 30-140                  |                    |          |                                                              |                       |                       |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 61.8 %        |      |           | 30-140                  |                    |          |                                                              |                       |                       |         |

### Herbicides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

| CAS No.                     | Parameter                                       | Result        | Flag | Units     | LOD/MDL                 | Reported to<br>LOQ | Dilution | Reference Method                                               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|-------------------------------------------------|---------------|------|-----------|-------------------------|--------------------|----------|----------------------------------------------------------------|-----------------------|-----------------------|---------|
| 93-72-1                     | 2,4,5-TP (Silvex)                               | ND            |      | ug/kg dry | 20.1                    | 20.1               | 1        | EPA 8151A m<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 05:51      | 08/13/2015 17:12      | AMC     |
| <b>Surrogate Recoveries</b> |                                                 | <b>Result</b> |      |           | <b>Acceptance Range</b> |                    |          |                                                                |                       |                       |         |
| 19719-28-9                  | Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) | 131 %         |      |           | 30-150                  |                    |          |                                                                |                       |                       |         |

### Metals, NYSDEC Part 375

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7440-38-2 | Arsenic   | 1.30   |      | mg/kg dry | 1.01    | 1.01               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:03      | ALD     |
| 7440-39-3 | Barium    | 15.4   |      | mg/kg dry | 1.01    | 1.01               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:03      | ALD     |
| 7440-41-7 | Beryllium | ND     |      | mg/kg dry | 0.101   | 0.101              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 15:03      | ALD     |
| 7440-43-9 | Cadmium   | ND     |      | mg/kg dry | 0.302   | 0.302              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:03      | ALD     |
| 7440-47-3 | Chromium  | 4.85   |      | mg/kg dry | 0.503   | 0.503              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:03      | ALD     |
| 7440-50-8 | Copper    | 7.22   |      | mg/kg dry | 0.503   | 0.503              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 15:03      | ALD     |
| 7439-92-1 | Lead      | 24.0   |      | mg/kg dry | 0.302   | 0.302              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:03      | ALD     |
| 7439-96-5 | Manganese | 76.6   |      | mg/kg dry | 0.503   | 0.503              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 15:03      | ALD     |



## Sample Information

**Client Sample ID:** Endpoint 7

**York Sample ID:** 15H0237-04

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 11:00 am

Date Received  
08/07/2015

### Metals, NYSDEC Part 375

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7440-02-0 | Nickel    | 3.04   |      | mg/kg dry | 0.503   | 0.503              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:03      | ALD     |
| 7782-49-2 | Selenium  | ND     |      | mg/kg dry | 1.01    | 1.01               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:03      | ALD     |
| 7440-22-4 | Silver    | ND     |      | mg/kg dry | 0.503   | 0.503              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:03      | ALD     |
| 7440-66-6 | Zinc      | 22.4   |      | mg/kg dry | 1.01    | 1.01               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 15:03      | ALD     |

### Mercury by 7473

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7439-97-6 | Mercury   | 0.0319 |      | mg/kg dry | 0.0302  | 0.0302             | 1        | EPA 7473<br>Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 08/10/2015 09:47      | 08/10/2015 13:30      | KV      |

### Total Solids

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter  | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                  | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|------------|--------|------|-------|---------|--------------------|----------|-----------------------------------|-----------------------|-----------------------|---------|
| solids  | * % Solids | 99.4   |      | %     | 0.100   | 0.100              | 1        | SM 2540G<br>Certifications: CTDOH | 08/10/2015 10:42      | 08/10/2015 18:12      | KK      |

### Chromium, Hexavalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW846-3060

| CAS No.    | Parameter            | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                       | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|----------------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------|-----------------------|-----------------------|---------|
| 18540-29-9 | Chromium, Hexavalent | ND     |      | mg/kg dry | 0.352   | 0.503              | 1        | EPA 7196A<br>Certifications: NJDEP,CTDOH,NELAC-NY10854 | 08/10/2015 07:42      | 08/10/2015 13:20      | SC      |

### Chromium, Trivalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

| CAS No.    | Parameter             | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|-----------------------|--------|------|-------|---------|--------------------|----------|--------------------------------|-----------------------|-----------------------|---------|
| 16065-83-1 | * Chromium, Trivalent | 4.85   |      | mg/kg | 0.250   | 0.500              | 1        | Calculation<br>Certifications: | 08/14/2015 13:00      | 08/14/2015 16:06      | SC      |

### Cyanide, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

| CAS No. | Parameter      | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|----------------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 57-12-5 | Cyanide, total | ND     |      | mg/kg dry | 0.503   | 0.503              | 1        | EPA 9014/9010C<br>Certifications: NELAC-NY10854,CTDOH,NJDEP | 08/13/2015 08:46      | 08/13/2015 16:59      | AD      |



## Sample Information

**Client Sample ID:** Endpoint 8

**York Sample ID:** 15H0237-05

York Project (SDG) No.

15H0237

Client Project ID

Roberto Clemente

Matrix

Soil

Collection Date/Time

August 6, 2015 11:10 am

Date Received

08/07/2015

### Volatile Organics, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.   | Parameter                      | Result | Flag       | Units     | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|--------------------------------|--------|------------|-----------|------------------------|-----|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 71-55-6   | 1,1,1-Trichloroethane          | ND     |            | ug/kg dry | 3.0                    | 6.0 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 14:47      | BK      |
| 75-34-3   | 1,1-Dichloroethane             | ND     |            | ug/kg dry | 3.0                    | 6.0 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 14:47      | BK      |
| 75-35-4   | 1,1-Dichloroethylene           | ND     |            | ug/kg dry | 3.0                    | 6.0 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 14:47      | BK      |
| 95-63-6   | 1,2,4-Trimethylbenzene         | ND     |            | ug/kg dry | 3.0                    | 6.0 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 14:47      | BK      |
| 95-50-1   | 1,2-Dichlorobenzene            | ND     |            | ug/kg dry | 3.0                    | 6.0 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 14:47      | BK      |
| 107-06-2  | 1,2-Dichloroethane             | ND     |            | ug/kg dry | 3.0                    | 6.0 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 14:47      | BK      |
| 108-67-8  | 1,3,5-Trimethylbenzene         | ND     |            | ug/kg dry | 3.0                    | 6.0 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 14:47      | BK      |
| 541-73-1  | 1,3-Dichlorobenzene            | ND     |            | ug/kg dry | 3.0                    | 6.0 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 14:47      | BK      |
| 106-46-7  | 1,4-Dichlorobenzene            | ND     |            | ug/kg dry | 3.0                    | 6.0 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 14:47      | BK      |
| 123-91-1  | 1,4-Dioxane                    | ND     |            | ug/kg dry | 60                     | 120 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 08/11/2015 08:17      | 08/11/2015 14:47      | BK      |
| 78-93-3   | 2-Butanone                     | ND     |            | ug/kg dry | 3.0                    | 6.0 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 14:47      | BK      |
| 67-64-1   | Acetone                        | 15     | SCAL-<br>E | ug/kg dry | 6.0                    | 12  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 14:47      | BK      |
| 71-43-2   | Benzene                        | ND     |            | ug/kg dry | 3.0                    | 6.0 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 14:47      | BK      |
| 56-23-5   | Carbon tetrachloride           | ND     |            | ug/kg dry | 3.0                    | 6.0 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 14:47      | BK      |
| 108-90-7  | Chlorobenzene                  | ND     |            | ug/kg dry | 3.0                    | 6.0 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 14:47      | BK      |
| 67-66-3   | Chloroform                     | ND     |            | ug/kg dry | 3.0                    | 6.0 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 14:47      | BK      |
| 156-59-2  | cis-1,2-Dichloroethylene       | ND     |            | ug/kg dry | 3.0                    | 6.0 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 14:47      | BK      |
| 100-41-4  | Ethyl Benzene                  | ND     |            | ug/kg dry | 3.0                    | 6.0 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 14:47      | BK      |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND     |            | ug/kg dry | 3.0                    | 6.0 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 14:47      | BK      |
| 75-09-2   | Methylene chloride             | 28     |            | ug/kg dry | 6.0                    | 12  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 14:47      | BK      |
| 91-20-3   | Naphthalene                    | ND     |            | ug/kg dry | 3.0                    | 12  | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 08/11/2015 08:17      | 08/11/2015 14:47      | BK      |



## Sample Information

**Client Sample ID:** Endpoint 8

**York Sample ID:** 15H0237-05

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 11:10 am

Date Received  
08/07/2015

### Volatile Organics, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.                     | Parameter                        | Result        | Flag                    | Units     | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|----------------------------------|---------------|-------------------------|-----------|------------------------|-----|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 104-51-8                    | n-Butylbenzene                   | ND            |                         | ug/kg dry | 3.0                    | 6.0 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 14:47      | BK      |
| 103-65-1                    | n-Propylbenzene                  | ND            |                         | ug/kg dry | 3.0                    | 6.0 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 14:47      | BK      |
| 95-47-6                     | o-Xylene                         | ND            |                         | ug/kg dry | 3.0                    | 6.0 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 08/11/2015 08:17      | 08/11/2015 14:47      | BK      |
| 179601-23-1                 | p- & m- Xylenes                  | ND            |                         | ug/kg dry | 6.0                    | 12  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 08/11/2015 08:17      | 08/11/2015 14:47      | BK      |
| 135-98-8                    | sec-Butylbenzene                 | ND            |                         | ug/kg dry | 3.0                    | 6.0 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 14:47      | BK      |
| 98-06-6                     | tert-Butylbenzene                | ND            |                         | ug/kg dry | 3.0                    | 6.0 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 14:47      | BK      |
| 127-18-4                    | Tetrachloroethylene              | ND            |                         | ug/kg dry | 3.0                    | 6.0 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 14:47      | BK      |
| 108-88-3                    | Toluene                          | ND            |                         | ug/kg dry | 3.0                    | 6.0 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 14:47      | BK      |
| 156-60-5                    | trans-1,2-Dichloroethylene       | ND            |                         | ug/kg dry | 3.0                    | 6.0 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 14:47      | BK      |
| 79-01-6                     | Trichloroethylene                | ND            |                         | ug/kg dry | 3.0                    | 6.0 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 14:47      | BK      |
| 75-01-4                     | Vinyl Chloride                   | ND            |                         | ug/kg dry | 3.0                    | 6.0 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 14:47      | BK      |
| 1330-20-7                   | Xylenes, Total                   | ND            |                         | ug/kg dry | 9.0                    | 18  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 14:47      | BK      |
| <b>Surrogate Recoveries</b> |                                  | <b>Result</b> | <b>Acceptance Range</b> |           |                        |     |          |                                                              |                       |                       |         |
| 17060-07-0                  | Surrogate: 1,2-Dichloroethane-d4 | 118 %         | 77-125                  |           |                        |     |          |                                                              |                       |                       |         |
| 2037-26-5                   | Surrogate: Toluene-d8            | 108 %         | 85-120                  |           |                        |     |          |                                                              |                       |                       |         |
| 460-00-4                    | Surrogate: p-Bromofluorobenzene  | 110 %         | 76-130                  |           |                        |     |          |                                                              |                       |                       |         |

### Semi-Volatiles, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter          | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|--------------------|--------|------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 83-32-9  | Acenaphthene       | ND     |      | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 20:45      | SR      |
| 208-96-8 | Acenaphthylene     | ND     |      | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 20:45      | SR      |
| 120-12-7 | Anthracene         | ND     |      | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 20:45      | SR      |
| 56-55-3  | Benzo(a)anthracene | ND     |      | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 20:45      | SR      |
| 50-32-8  | Benzo(a)pyrene     | ND     |      | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 20:45      | SR      |





## Sample Information

**Client Sample ID:** Endpoint 8

**York Sample ID:** 15H0237-05

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 11:10 am

Date Received  
08/07/2015

### Semi-Volatiles, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter              | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|------------------------|--------|------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 205-99-2   | Benzo(b)fluoranthene   | ND     |      | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 20:45      | SR      |
| 191-24-2   | Benzo(g,h,i)perylene   | ND     |      | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 20:45      | SR      |
| 207-08-9   | Benzo(k)fluoranthene   | ND     |      | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 20:45      | SR      |
| 218-01-9   | Chrysene               | ND     |      | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 20:45      | SR      |
| 53-70-3    | Dibenzo(a,h)anthracene | ND     |      | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 20:45      | SR      |
| 132-64-9   | Dibenzofuran           | ND     |      | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/13/2015 08:08      | 08/13/2015 20:45      | SR      |
| 206-44-0   | Fluoranthene           | ND     |      | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 20:45      | SR      |
| 86-73-7    | Fluorene               | ND     |      | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP       | 08/13/2015 08:08      | 08/13/2015 20:45      | SR      |
| 118-74-1   | Hexachlorobenzene      | ND     |      | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 20:45      | SR      |
| 193-39-5   | Indeno(1,2,3-cd)pyrene | ND     |      | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 20:45      | SR      |
| 95-48-7    | 2-Methylphenol         | ND     |      | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 20:45      | SR      |
| 65794-96-9 | 3- & 4-Methylphenols   | ND     |      | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/13/2015 08:08      | 08/13/2015 20:45      | SR      |
| 91-20-3    | Naphthalene            | ND     |      | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/13/2015 08:08      | 08/13/2015 20:45      | SR      |
| 87-86-5    | Pentachlorophenol      | ND     |      | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 20:45      | SR      |
| 85-01-8    | Phenanthrene           | ND     |      | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 20:45      | SR      |
| 108-95-2   | Phenol                 | ND     |      | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 20:45      | SR      |
| 129-00-0   | Pyrene                 | ND     |      | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 20:45      | SR      |

|           | Surrogate Recoveries            | Result | Acceptance Range |
|-----------|---------------------------------|--------|------------------|
| 367-12-4  | Surrogate: 2-Fluorophenol       | 66.2 % | 10-95            |
| 4165-62-2 | Surrogate: Phenol-d5            | 51.7 % | 10-107           |
| 4165-60-0 | Surrogate: Nitrobenzene-d5      | 50.6 % | 10-95            |
| 321-60-8  | Surrogate: 2-Fluorobiphenyl     | 58.1 % | 10-97            |
| 118-79-6  | Surrogate: 2,4,6-Tribromophenol | 45.3 % | 10-103           |
| 1718-51-0 | Surrogate: Terphenyl-d14        | 59.1 % | 19-99            |





## Sample Information

**Client Sample ID:** Endpoint 8

**York Sample ID:** 15H0237-05

**York Project (SDG) No.**  
15H0237

**Client Project ID**  
Roberto Clemente

**Matrix**  
Soil

**Collection Date/Time**  
August 6, 2015 11:10 am

**Date Received**  
08/07/2015

### Pesticides, NYSDEC Part 375 Target List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag                    | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 72-54-8                     | <b>4,4'-DDD</b>                 | <b>10.4</b>   |                         | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:01      | AMC     |
| 72-55-9                     | <b>4,4'-DDE</b>                 | <b>15.4</b>   |                         | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:01      | AMC     |
| 50-29-3                     | <b>4,4'-DDT</b>                 | <b>32.7</b>   |                         | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:01      | AMC     |
| 309-00-2                    | Aldrin                          | ND            |                         | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:01      | AMC     |
| 319-84-6                    | alpha-BHC                       | ND            |                         | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:01      | AMC     |
| 5103-71-9                   | <b>alpha-Chlordane</b>          | <b>12.1</b>   |                         | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP             | 08/12/2015 14:16      | 08/13/2015 19:01      | AMC     |
| 319-85-7                    | beta-BHC                        | ND            |                         | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:01      | AMC     |
| 319-86-8                    | delta-BHC                       | ND            |                         | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:01      | AMC     |
| 60-57-1                     | <b>Dieldrin</b>                 | <b>6.38</b>   |                         | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:01      | AMC     |
| 959-98-8                    | Endosulfan I                    | ND            |                         | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:01      | AMC     |
| 33213-65-9                  | Endosulfan II                   | ND            |                         | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:01      | AMC     |
| 1031-07-8                   | Endosulfan sulfate              | ND            |                         | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:01      | AMC     |
| 72-20-8                     | Endrin                          | ND            |                         | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:01      | AMC     |
| 58-89-9                     | gamma-BHC (Lindane)             | ND            |                         | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:01      | AMC     |
| 76-44-8                     | Heptachlor                      | ND            |                         | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:01      | AMC     |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> | <b>Acceptance Range</b> |           |         |                    |          |                                                              |                       |                       |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 46.6 %        | 30-140                  |           |         |                    |          |                                                              |                       |                       |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 56.8 %        | 30-140                  |           |         |                    |          |                                                              |                       |                       |         |

### Polychlorinated Biphenyls (PCB)

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter    | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|--------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 12674-11-2 | Aroclor 1016 | ND     |      | mg/kg dry | 0.0171  | 0.0171             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:43      | AMC     |
| 11104-28-2 | Aroclor 1221 | ND     |      | mg/kg dry | 0.0171  | 0.0171             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:43      | AMC     |



## Sample Information

**Client Sample ID:** Endpoint 8

**York Sample ID:** 15H0237-05

York Project (SDG) No.

15H0237

Client Project ID

Roberto Clemente

Matrix

Soil

Collection Date/Time

August 6, 2015 11:10 am

Date Received

08/07/2015

### Polychlorinated Biphenyls (PCB)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag                    | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 11141-16-5                  | Aroclor 1232                    | ND            |                         | mg/kg dry | 0.0171  | 0.0171             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:43      | AMC     |
| 53469-21-9                  | Aroclor 1242                    | ND            |                         | mg/kg dry | 0.0171  | 0.0171             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:43      | AMC     |
| 12672-29-6                  | Aroclor 1248                    | ND            |                         | mg/kg dry | 0.0171  | 0.0171             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:43      | AMC     |
| 11097-69-1                  | Aroclor 1254                    | ND            |                         | mg/kg dry | 0.0171  | 0.0171             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:43      | AMC     |
| 11096-82-5                  | Aroclor 1260                    | ND            |                         | mg/kg dry | 0.0171  | 0.0171             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 18:43      | AMC     |
| 1336-36-3                   | * Total PCBs                    | ND            |                         | mg/kg dry | 0.0171  | 0.0171             | 1        | EPA 8082A<br>Certifications:                                 | 08/12/2015 14:16      | 08/13/2015 18:43      | AMC     |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> | <b>Acceptance Range</b> |           |         |                    |          |                                                              |                       |                       |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 55.2 %        | 30-140                  |           |         |                    |          |                                                              |                       |                       |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 47.8 %        | 30-140                  |           |         |                    |          |                                                              |                       |                       |         |

### Herbicides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

| CAS No.                     | Parameter                                       | Result        | Flag                    | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|-------------------------------------------------|---------------|-------------------------|-----------|---------|--------------------|----------|----------------------------------------------------------------|-----------------------|-----------------------|---------|
| 93-72-1                     | 2,4,5-TP (Silvex)                               | ND            |                         | ug/kg dry | 20.5    | 20.5               | 1        | EPA 8151A m<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 05:51      | 08/13/2015 17:27      | AMC     |
| <b>Surrogate Recoveries</b> |                                                 | <b>Result</b> | <b>Acceptance Range</b> |           |         |                    |          |                                                                |                       |                       |         |
| 19719-28-9                  | Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) | 113 %         | 30-150                  |           |         |                    |          |                                                                |                       |                       |         |

### Metals, NYSDEC Part 375

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7440-38-2 | Arsenic   | 2.45   |      | mg/kg dry | 1.02    | 1.02               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:08      | ALD     |
| 7440-39-3 | Barium    | 22.7   |      | mg/kg dry | 1.02    | 1.02               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:08      | ALD     |
| 7440-41-7 | Beryllium | ND     |      | mg/kg dry | 0.102   | 0.102              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 15:08      | ALD     |
| 7440-43-9 | Cadmium   | 0.440  |      | mg/kg dry | 0.307   | 0.307              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:08      | ALD     |
| 7440-47-3 | Chromium  | 10.0   |      | mg/kg dry | 0.512   | 0.512              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:08      | ALD     |
| 7440-50-8 | Copper    | 11.3   |      | mg/kg dry | 0.512   | 0.512              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 15:08      | ALD     |



## Sample Information

**Client Sample ID:** Endpoint 8

**York Sample ID:** 15H0237-05

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 11:10 am

Date Received  
08/07/2015

### Metals, NYSDEC Part 375

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7439-92-1 | Lead      | 96.6   |      | mg/kg dry | 0.307   | 0.307              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:08      | ALD     |
| 7439-96-5 | Manganese | 74.3   |      | mg/kg dry | 0.512   | 0.512              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 15:08      | ALD     |
| 7440-02-0 | Nickel    | 6.83   |      | mg/kg dry | 0.512   | 0.512              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:08      | ALD     |
| 7782-49-2 | Selenium  | ND     |      | mg/kg dry | 1.02    | 1.02               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:08      | ALD     |
| 7440-22-4 | Silver    | ND     |      | mg/kg dry | 0.512   | 0.512              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:08      | ALD     |
| 7440-66-6 | Zinc      | 57.7   |      | mg/kg dry | 1.02    | 1.02               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 15:08      | ALD     |

### Mercury by 7473

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7439-97-6 | Mercury   | 0.0566 |      | mg/kg dry | 0.0307  | 0.0307             | 1        | EPA 7473<br>Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 08/11/2015 08:39      | 08/11/2015 11:44      | KV      |

### Total Solids

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter  | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                  | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|------------|--------|------|-------|---------|--------------------|----------|-----------------------------------|-----------------------|-----------------------|---------|
| solids  | * % Solids | 97.7   |      | %     | 0.100   | 0.100              | 1        | SM 2540G<br>Certifications: CTDOH | 08/10/2015 10:42      | 08/10/2015 18:12      | KK      |

### Chromium, Hexavalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW846-3060

| CAS No.    | Parameter            | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                       | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|----------------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------|-----------------------|-----------------------|---------|
| 18540-29-9 | Chromium, Hexavalent | ND     |      | mg/kg dry | 0.358   | 0.512              | 1        | EPA 7196A<br>Certifications: NJDEP,CTDOH,NELAC-NY10854 | 08/10/2015 07:42      | 08/10/2015 13:20      | SC      |

### Chromium, Trivalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

| CAS No.    | Parameter             | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|-----------------------|--------|------|-------|---------|--------------------|----------|--------------------------------|-----------------------|-----------------------|---------|
| 16065-83-1 | * Chromium, Trivalent | 10.0   |      | mg/kg | 0.250   | 0.500              | 1        | Calculation<br>Certifications: | 08/14/2015 13:00      | 08/14/2015 16:06      | SC      |

### Cyanide, Total

#### Log-in Notes:

#### Sample Notes:



## Sample Information

**Client Sample ID:** Endpoint 8

**York Sample ID:** 15H0237-05

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 11:10 am

Date Received  
08/07/2015

Sample Prepared by Method: Analysis Preparation Soil

| CAS No. | Parameter      | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|----------------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 57-12-5 | Cyanide, total | ND     |      | mg/kg dry | 0.512   | 0.512              | 1        | EPA 9014/9010C<br>Certifications: NELAC-NY10854,CTDOH,NJDEP | 08/13/2015 08:46      | 08/13/2015 16:59      | AD      |

## Sample Information

**Client Sample ID:** Endpoint 9

**York Sample ID:** 15H0237-06

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 11:20 am

Date Received  
08/07/2015

### Volatile Organics, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.  | Parameter              | Result | Flag          | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|------------------------|--------|---------------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 71-55-6  | 1,1,1-Trichloroethane  | ND     |               | ug/kg dry | 3.1     | 6.1                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 15:28      | BK      |
| 75-34-3  | 1,1-Dichloroethane     | ND     |               | ug/kg dry | 3.1     | 6.1                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 15:28      | BK      |
| 75-35-4  | 1,1-Dichloroethylene   | ND     |               | ug/kg dry | 3.1     | 6.1                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 15:28      | BK      |
| 95-63-6  | 1,2,4-Trimethylbenzene | ND     |               | ug/kg dry | 3.1     | 6.1                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 15:28      | BK      |
| 95-50-1  | 1,2-Dichlorobenzene    | ND     |               | ug/kg dry | 3.1     | 6.1                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 15:28      | BK      |
| 107-06-2 | 1,2-Dichloroethane     | ND     |               | ug/kg dry | 3.1     | 6.1                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 15:28      | BK      |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND     |               | ug/kg dry | 3.1     | 6.1                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 15:28      | BK      |
| 541-73-1 | 1,3-Dichlorobenzene    | ND     |               | ug/kg dry | 3.1     | 6.1                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 15:28      | BK      |
| 106-46-7 | 1,4-Dichlorobenzene    | ND     |               | ug/kg dry | 3.1     | 6.1                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 15:28      | BK      |
| 123-91-1 | 1,4-Dioxane            | ND     |               | ug/kg dry | 61      | 120                | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 08/11/2015 08:17      | 08/11/2015 15:28      | BK      |
| 78-93-3  | 2-Butanone             | ND     |               | ug/kg dry | 3.1     | 6.1                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 15:28      | BK      |
| 67-64-1  | Acetone                | 9.4    | SCAL-<br>E, J | ug/kg dry | 6.1     | 12                 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 15:28      | BK      |
| 71-43-2  | Benzene                | ND     |               | ug/kg dry | 3.1     | 6.1                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 15:28      | BK      |
| 56-23-5  | Carbon tetrachloride   | ND     |               | ug/kg dry | 3.1     | 6.1                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 15:28      | BK      |
| 108-90-7 | Chlorobenzene          | ND     |               | ug/kg dry | 3.1     | 6.1                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 15:28      | BK      |



## Sample Information

**Client Sample ID:** Endpoint 9

**York Sample ID:** 15H0237-06

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 11:20 am

Date Received  
08/07/2015

### Volatile Organics, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.                     | Parameter                        | Result        | Flag                    | Units     | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|----------------------------------|---------------|-------------------------|-----------|------------------------|-----|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 67-66-3                     | Chloroform                       | ND            |                         | ug/kg dry | 3.1                    | 6.1 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 15:28      | BK      |
| 156-59-2                    | cis-1,2-Dichloroethylene         | ND            |                         | ug/kg dry | 3.1                    | 6.1 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 15:28      | BK      |
| 100-41-4                    | Ethyl Benzene                    | ND            |                         | ug/kg dry | 3.1                    | 6.1 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 15:28      | BK      |
| 1634-04-4                   | Methyl tert-butyl ether (MTBE)   | ND            |                         | ug/kg dry | 3.1                    | 6.1 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 15:28      | BK      |
| 75-09-2                     | <b>Methylene chloride</b>        | <b>20</b>     |                         | ug/kg dry | 6.1                    | 12  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 15:28      | BK      |
| 91-20-3                     | Naphthalene                      | ND            |                         | ug/kg dry | 3.1                    | 12  | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 08/11/2015 08:17      | 08/11/2015 15:28      | BK      |
| 104-51-8                    | n-Butylbenzene                   | ND            |                         | ug/kg dry | 3.1                    | 6.1 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 15:28      | BK      |
| 103-65-1                    | n-Propylbenzene                  | ND            |                         | ug/kg dry | 3.1                    | 6.1 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 15:28      | BK      |
| 95-47-6                     | o-Xylene                         | ND            |                         | ug/kg dry | 3.1                    | 6.1 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 08/11/2015 08:17      | 08/11/2015 15:28      | BK      |
| 179601-23-1                 | p- & m- Xylenes                  | ND            |                         | ug/kg dry | 6.1                    | 12  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 08/11/2015 08:17      | 08/11/2015 15:28      | BK      |
| 135-98-8                    | sec-Butylbenzene                 | ND            |                         | ug/kg dry | 3.1                    | 6.1 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 15:28      | BK      |
| 98-06-6                     | tert-Butylbenzene                | ND            |                         | ug/kg dry | 3.1                    | 6.1 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 15:28      | BK      |
| 127-18-4                    | Tetrachloroethylene              | ND            |                         | ug/kg dry | 3.1                    | 6.1 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 15:28      | BK      |
| 108-88-3                    | Toluene                          | ND            |                         | ug/kg dry | 3.1                    | 6.1 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 15:28      | BK      |
| 156-60-5                    | trans-1,2-Dichloroethylene       | ND            |                         | ug/kg dry | 3.1                    | 6.1 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 15:28      | BK      |
| 79-01-6                     | Trichloroethylene                | ND            |                         | ug/kg dry | 3.1                    | 6.1 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 15:28      | BK      |
| 75-01-4                     | Vinyl Chloride                   | ND            |                         | ug/kg dry | 3.1                    | 6.1 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 15:28      | BK      |
| 1330-20-7                   | Xylenes, Total                   | ND            |                         | ug/kg dry | 9.2                    | 18  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 15:28      | BK      |
| <b>Surrogate Recoveries</b> |                                  | <b>Result</b> | <b>Acceptance Range</b> |           |                        |     |          |                                                              |                       |                       |         |
| 17060-07-0                  | Surrogate: 1,2-Dichloroethane-d4 | 118 %         | 77-125                  |           |                        |     |          |                                                              |                       |                       |         |
| 2037-26-5                   | Surrogate: Toluene-d8            | 105 %         | 85-120                  |           |                        |     |          |                                                              |                       |                       |         |
| 460-00-4                    | Surrogate: p-Bromofluorobenzene  | 95.5 %        | 76-130                  |           |                        |     |          |                                                              |                       |                       |         |

### Semi-Volatiles, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:



## Sample Information

**Client Sample ID:** Endpoint 9

**York Sample ID:** 15H0237-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15H0237

Roberto Clemente

Soil

August 6, 2015 11:20 am

08/07/2015

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter              | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|------------------------|--------|------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 83-32-9    | Acenaphthene           | ND     |      | ug/kg dry | 42.0                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 17:32      | SR      |
| 208-96-8   | Acenaphthylene         | ND     |      | ug/kg dry | 42.0                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 17:32      | SR      |
| 120-12-7   | Anthracene             | ND     |      | ug/kg dry | 42.0                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 17:32      | SR      |
| 56-55-3    | Benzo(a)anthracene     | ND     |      | ug/kg dry | 42.0                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 17:32      | SR      |
| 50-32-8    | Benzo(a)pyrene         | ND     |      | ug/kg dry | 42.0                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 17:32      | SR      |
| 205-99-2   | Benzo(b)fluoranthene   | ND     |      | ug/kg dry | 42.0                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 17:32      | SR      |
| 191-24-2   | Benzo(g,h,i)perylene   | ND     |      | ug/kg dry | 42.0                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 17:32      | SR      |
| 207-08-9   | Benzo(k)fluoranthene   | ND     |      | ug/kg dry | 42.0                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 17:32      | SR      |
| 218-01-9   | Chrysene               | ND     |      | ug/kg dry | 42.0                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 17:32      | SR      |
| 53-70-3    | Dibenzo(a,h)anthracene | ND     |      | ug/kg dry | 42.0                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 17:32      | SR      |
| 132-64-9   | Dibenzofuran           | ND     |      | ug/kg dry | 42.0                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/13/2015 08:08      | 08/13/2015 17:32      | SR      |
| 206-44-0   | Fluoranthene           | ND     |      | ug/kg dry | 42.0                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 17:32      | SR      |
| 86-73-7    | Fluorene               | ND     |      | ug/kg dry | 42.0                   | 83.9 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP       | 08/13/2015 08:08      | 08/13/2015 17:32      | SR      |
| 118-74-1   | Hexachlorobenzene      | ND     |      | ug/kg dry | 42.0                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 17:32      | SR      |
| 193-39-5   | Indeno(1,2,3-cd)pyrene | ND     |      | ug/kg dry | 42.0                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 17:32      | SR      |
| 95-48-7    | 2-Methylphenol         | ND     |      | ug/kg dry | 42.0                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 17:32      | SR      |
| 65794-96-9 | 3- & 4-Methylphenols   | ND     |      | ug/kg dry | 42.0                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/13/2015 08:08      | 08/13/2015 17:32      | SR      |
| 91-20-3    | Naphthalene            | ND     |      | ug/kg dry | 42.0                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/13/2015 08:08      | 08/13/2015 17:32      | SR      |
| 87-86-5    | Pentachlorophenol      | ND     |      | ug/kg dry | 42.0                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 17:32      | SR      |
| 85-01-8    | Phenanthrene           | ND     |      | ug/kg dry | 42.0                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 17:32      | SR      |
| 108-95-2   | Phenol                 | ND     |      | ug/kg dry | 42.0                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 17:32      | SR      |
| 129-00-0   | Pyrene                 | ND     |      | ug/kg dry | 42.0                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 17:32      | SR      |

Surrogate Recoveries

Result

Acceptance Range



## Sample Information

**Client Sample ID:** Endpoint 9

**York Sample ID:** 15H0237-06

York Project (SDG) No.

15H0237

Client Project ID

Roberto Clemente

Matrix

Soil

Collection Date/Time

August 6, 2015 11:20 am

Date Received

08/07/2015

### Semi-Volatiles, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.   | Parameter                       | Result | Flag | Units | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|---------------------------------|--------|------|-------|------------------------|-----|----------|------------------|-----------------------|-----------------------|---------|
| 367-12-4  | Surrogate: 2-Fluorophenol       | 30.8 % |      |       | 10-95                  |     |          |                  |                       |                       |         |
| 4165-62-2 | Surrogate: Phenol-d5            | 27.8 % |      |       | 10-107                 |     |          |                  |                       |                       |         |
| 4165-60-0 | Surrogate: Nitrobenzene-d5      | 25.5 % |      |       | 10-95                  |     |          |                  |                       |                       |         |
| 321-60-8  | Surrogate: 2-Fluorobiphenyl     | 25.1 % |      |       | 10-97                  |     |          |                  |                       |                       |         |
| 118-79-6  | Surrogate: 2,4,6-Tribromophenol | 17.4 % |      |       | 10-103                 |     |          |                  |                       |                       |         |
| 1718-51-0 | Surrogate: Terphenyl-d14        | 28.2 % |      |       | 19-99                  |     |          |                  |                       |                       |         |

### Pesticides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag                    | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 72-54-8                     | <b>4,4'-DDD</b>                 | <b>12.4</b>   |                         | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:16      | AMC     |
| 72-55-9                     | <b>4,4'-DDE</b>                 | <b>13.8</b>   |                         | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:16      | AMC     |
| 50-29-3                     | <b>4,4'-DDT</b>                 | <b>20.6</b>   |                         | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:16      | AMC     |
| 309-00-2                    | Aldrin                          | ND            |                         | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:16      | AMC     |
| 319-84-6                    | alpha-BHC                       | ND            |                         | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:16      | AMC     |
| 5103-71-9                   | <b>alpha-Chlordane</b>          | <b>11.4</b>   |                         | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP             | 08/12/2015 14:16      | 08/13/2015 19:16      | AMC     |
| 319-85-7                    | beta-BHC                        | ND            |                         | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:16      | AMC     |
| 319-86-8                    | delta-BHC                       | ND            |                         | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:16      | AMC     |
| 60-57-1                     | <b>Dieldrin</b>                 | <b>6.71</b>   |                         | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:16      | AMC     |
| 959-98-8                    | Endosulfan I                    | ND            |                         | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:16      | AMC     |
| 33213-65-9                  | Endosulfan II                   | ND            |                         | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:16      | AMC     |
| 1031-07-8                   | Endosulfan sulfate              | ND            |                         | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:16      | AMC     |
| 72-20-8                     | Endrin                          | ND            |                         | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:16      | AMC     |
| 58-89-9                     | gamma-BHC (Lindane)             | ND            |                         | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:16      | AMC     |
| 76-44-8                     | Heptachlor                      | ND            |                         | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:16      | AMC     |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> | <b>Acceptance Range</b> |           |                        |      |          |                                                              |                       |                       |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 42.0 %        | 30-140                  |           |                        |      |          |                                                              |                       |                       |         |





## Sample Information

**Client Sample ID:** Endpoint 9

**York Sample ID:** 15H0237-06

York Project (SDG) No.

15H0237

Client Project ID

Roberto Clemente

Matrix

Soil

Collection Date/Time

August 6, 2015 11:20 am

Date Received

08/07/2015

### Pesticides, NYSDEC Part 375 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.   | Parameter                     | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-------------------------------|--------|------|-------|---------|--------------------|----------|------------------|-----------------------|-----------------------|---------|
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 52.2 % |      |       |         | 30-140             |          |                  |                       |                       |         |

### Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag | Units     | LOD/MDL                 | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|------|-----------|-------------------------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 12674-11-2                  | Aroclor 1016                    | ND            |      | mg/kg dry | 0.0168                  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:03      | AMC     |
| 11104-28-2                  | Aroclor 1221                    | ND            |      | mg/kg dry | 0.0168                  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:03      | AMC     |
| 11141-16-5                  | Aroclor 1232                    | ND            |      | mg/kg dry | 0.0168                  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:03      | AMC     |
| 53469-21-9                  | Aroclor 1242                    | ND            |      | mg/kg dry | 0.0168                  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:03      | AMC     |
| 12672-29-6                  | Aroclor 1248                    | ND            |      | mg/kg dry | 0.0168                  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:03      | AMC     |
| 11097-69-1                  | Aroclor 1254                    | ND            |      | mg/kg dry | 0.0168                  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:03      | AMC     |
| 11096-82-5                  | Aroclor 1260                    | ND            |      | mg/kg dry | 0.0168                  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:03      | AMC     |
| 1336-36-3                   | * Total PCBs                    | ND            |      | mg/kg dry | 0.0168                  | 0.0168             | 1        | EPA 8082A<br>Certifications:                                 | 08/12/2015 14:16      | 08/13/2015 19:03      | AMC     |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> |      |           | <b>Acceptance Range</b> |                    |          |                                                              |                       |                       |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 55.7 %        |      |           |                         | 30-140             |          |                                                              |                       |                       |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 51.7 %        |      |           |                         | 30-140             |          |                                                              |                       |                       |         |

### Herbicides, NYSDEC Part 375 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

| CAS No.                     | Parameter                                       | Result        | Flag | Units     | LOD/MDL                 | Reported to<br>LOQ | Dilution | Reference Method                                               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|-------------------------------------------------|---------------|------|-----------|-------------------------|--------------------|----------|----------------------------------------------------------------|-----------------------|-----------------------|---------|
| 93-72-1                     | 2,4,5-TP (Silvex)                               | ND            |      | ug/kg dry | 20.1                    | 20.1               | 1        | EPA 8151A m<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 05:51      | 08/13/2015 17:42      | AMC     |
| <b>Surrogate Recoveries</b> |                                                 | <b>Result</b> |      |           | <b>Acceptance Range</b> |                    |          |                                                                |                       |                       |         |
| 19719-28-9                  | Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) | 138 %         |      |           |                         | 30-150             |          |                                                                |                       |                       |         |

### Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7440-38-2 | Arsenic   | 3.00   |      | mg/kg dry | 1.01    | 1.01               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:13      | ALD     |





## Sample Information

**Client Sample ID:** Endpoint 9

**York Sample ID:** 15H0237-06

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 11:20 am

Date Received  
08/07/2015

### Metals, NYSDEC Part 375

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7440-39-3 | Barium    | 25.6   |      | mg/kg dry | 1.01    | 1.01               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:13      | ALD     |
| 7440-41-7 | Beryllium | ND     |      | mg/kg dry | 0.101   | 0.101              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 15:13      | ALD     |
| 7440-43-9 | Cadmium   | 0.484  |      | mg/kg dry | 0.302   | 0.302              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:13      | ALD     |
| 7440-47-3 | Chromium  | 10.2   |      | mg/kg dry | 0.503   | 0.503              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:13      | ALD     |
| 7440-50-8 | Copper    | 13.0   |      | mg/kg dry | 0.503   | 0.503              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 15:13      | ALD     |
| 7439-92-1 | Lead      | 71.9   |      | mg/kg dry | 0.302   | 0.302              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:13      | ALD     |
| 7439-96-5 | Manganese | 81.4   |      | mg/kg dry | 0.503   | 0.503              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 15:13      | ALD     |
| 7440-02-0 | Nickel    | 12.6   |      | mg/kg dry | 0.503   | 0.503              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:13      | ALD     |
| 7782-49-2 | Selenium  | ND     |      | mg/kg dry | 1.01    | 1.01               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:13      | ALD     |
| 7440-22-4 | Silver    | ND     |      | mg/kg dry | 0.503   | 0.503              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:13      | ALD     |
| 7440-66-6 | Zinc      | 63.3   |      | mg/kg dry | 1.01    | 1.01               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 15:13      | ALD     |

### Mercury by 7473

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7439-97-6 | Mercury   | 0.0713 |      | mg/kg dry | 0.0302  | 0.0302             | 1        | EPA 7473<br>Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 08/11/2015 08:39      | 08/11/2015 11:53      | KV      |

### Total Solids

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter  | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                  | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|------------|--------|------|-------|---------|--------------------|----------|-----------------------------------|-----------------------|-----------------------|---------|
| solids  | * % Solids | 99.4   |      | %     | 0.100   | 0.100              | 1        | SM 2540G<br>Certifications: CTDOH | 08/10/2015 10:42      | 08/10/2015 18:12      | KK      |

### Chromium, Hexavalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW846-3060

| CAS No.    | Parameter            | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                       | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|----------------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------|-----------------------|-----------------------|---------|
| 18540-29-9 | Chromium, Hexavalent | ND     |      | mg/kg dry | 0.352   | 0.503              | 1        | EPA 7196A<br>Certifications: NJDEP,CTDOH,NELAC-NY10854 | 08/10/2015 07:42      | 08/10/2015 13:20      | SC      |



## Sample Information

**Client Sample ID:** Endpoint 9

**York Sample ID:** 15H0237-06

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 11:20 am

Date Received  
08/07/2015

### Chromium, Trivalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

| CAS No.    | Parameter             | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|-----------------------|--------|------|-------|---------|--------------------|----------|--------------------------------|-----------------------|-----------------------|---------|
| 16065-83-1 | * Chromium, Trivalent | 10.2   |      | mg/kg | 0.250   | 0.500              | 1        | Calculation<br>Certifications: | 08/14/2015 13:00      | 08/14/2015 16:06      | SC      |

### Cyanide, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

| CAS No. | Parameter      | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|----------------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 57-12-5 | Cyanide, total | ND     |      | mg/kg dry | 0.503   | 0.503              | 1        | EPA 9014/9010C<br>Certifications: NELAC-NY10854,CTDOH,NJDEP | 08/13/2015 08:46      | 08/13/2015 16:59      | AD      |

## Sample Information

**Client Sample ID:** Endpoint 10

**York Sample ID:** 15H0237-07

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 12:00 pm

Date Received  
08/07/2015

### Volatile Organics, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.  | Parameter              | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|------------------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 71-55-6  | 1,1,1-Trichloroethane  | ND     |      | ug/kg dry | 3.3     | 6.6                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 16:09      | BK      |
| 75-34-3  | 1,1-Dichloroethane     | ND     |      | ug/kg dry | 3.3     | 6.6                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 16:09      | BK      |
| 75-35-4  | 1,1-Dichloroethylene   | ND     |      | ug/kg dry | 3.3     | 6.6                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 16:09      | BK      |
| 95-63-6  | 1,2,4-Trimethylbenzene | ND     |      | ug/kg dry | 3.3     | 6.6                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 16:09      | BK      |
| 95-50-1  | 1,2-Dichlorobenzene    | ND     |      | ug/kg dry | 3.3     | 6.6                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 16:09      | BK      |
| 107-06-2 | 1,2-Dichloroethane     | ND     |      | ug/kg dry | 3.3     | 6.6                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 16:09      | BK      |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND     |      | ug/kg dry | 3.3     | 6.6                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 16:09      | BK      |
| 541-73-1 | 1,3-Dichlorobenzene    | ND     |      | ug/kg dry | 3.3     | 6.6                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 16:09      | BK      |
| 106-46-7 | 1,4-Dichlorobenzene    | ND     |      | ug/kg dry | 3.3     | 6.6                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 16:09      | BK      |
| 123-91-1 | 1,4-Dioxane            | ND     |      | ug/kg dry | 66      | 130                | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 08/11/2015 08:17      | 08/11/2015 16:09      | BK      |
| 78-93-3  | 2-Butanone             | ND     |      | ug/kg dry | 3.3     | 6.6                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 16:09      | BK      |



## Sample Information

**Client Sample ID:** Endpoint 10

**York Sample ID:** 15H0237-07

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 12:00 pm

Date Received  
08/07/2015

### Volatile Organics, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.     | Parameter                      | Result | Flag          | Units     | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-------------|--------------------------------|--------|---------------|-----------|------------------------|-----|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 67-64-1     | Acetone                        | 6.6    | SCAL-<br>E, J | ug/kg dry | 6.6                    | 13  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 16:09      | BK      |
| 71-43-2     | Benzene                        | ND     |               | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 16:09      | BK      |
| 56-23-5     | Carbon tetrachloride           | ND     |               | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 16:09      | BK      |
| 108-90-7    | Chlorobenzene                  | ND     |               | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 16:09      | BK      |
| 67-66-3     | Chloroform                     | ND     |               | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 16:09      | BK      |
| 156-59-2    | cis-1,2-Dichloroethylene       | ND     |               | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 16:09      | BK      |
| 100-41-4    | Ethyl Benzene                  | ND     |               | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 16:09      | BK      |
| 1634-04-4   | Methyl tert-butyl ether (MTBE) | ND     |               | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 16:09      | BK      |
| 75-09-2     | Methylene chloride             | 18     |               | ug/kg dry | 6.6                    | 13  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 16:09      | BK      |
| 91-20-3     | Naphthalene                    | ND     |               | ug/kg dry | 3.3                    | 13  | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 08/11/2015 08:17      | 08/11/2015 16:09      | BK      |
| 104-51-8    | n-Butylbenzene                 | ND     |               | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 16:09      | BK      |
| 103-65-1    | n-Propylbenzene                | ND     |               | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 16:09      | BK      |
| 95-47-6     | o-Xylene                       | ND     |               | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 08/11/2015 08:17      | 08/11/2015 16:09      | BK      |
| 179601-23-1 | p- & m- Xylenes                | ND     |               | ug/kg dry | 6.6                    | 13  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 08/11/2015 08:17      | 08/11/2015 16:09      | BK      |
| 135-98-8    | sec-Butylbenzene               | ND     |               | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 16:09      | BK      |
| 98-06-6     | tert-Butylbenzene              | ND     |               | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 16:09      | BK      |
| 127-18-4    | Tetrachloroethylene            | ND     |               | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 16:09      | BK      |
| 108-88-3    | Toluene                        | ND     |               | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 16:09      | BK      |
| 156-60-5    | trans-1,2-Dichloroethylene     | ND     |               | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 16:09      | BK      |
| 79-01-6     | Trichloroethylene              | ND     |               | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 16:09      | BK      |
| 75-01-4     | Vinyl Chloride                 | ND     |               | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 16:09      | BK      |
| 1330-20-7   | Xylenes, Total                 | ND     |               | ug/kg dry | 9.9                    | 20  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 16:09      | BK      |



## Sample Information

**Client Sample ID:** Endpoint 10

**York Sample ID:** 15H0237-07

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 12:00 pm

Date Received  
08/07/2015

### Volatile Organics, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.              | Parameter                        | Result | Flag | Units | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------------------|----------------------------------|--------|------|-------|------------------------|--------|----------|------------------|-----------------------|-----------------------|---------|
| Surrogate Recoveries |                                  | Result |      |       | Acceptance Range       |        |          |                  |                       |                       |         |
| 17060-07-0           | Surrogate: 1,2-Dichloroethane-d4 | 118 %  |      |       |                        | 77-125 |          |                  |                       |                       |         |
| 2037-26-5            | Surrogate: Toluene-d8            | 103 %  |      |       |                        | 85-120 |          |                  |                       |                       |         |
| 460-00-4             | Surrogate: p-Bromofluorobenzene  | 91.9 % |      |       |                        | 76-130 |          |                  |                       |                       |         |

### Semi-Volatiles, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter              | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|------------------------|--------|------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 83-32-9    | Acenaphthene           | ND     |      | ug/kg dry | 42.3                   | 84.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 17:00      | SR      |
| 208-96-8   | Acenaphthylene         | ND     |      | ug/kg dry | 42.3                   | 84.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 17:00      | SR      |
| 120-12-7   | Anthracene             | ND     |      | ug/kg dry | 42.3                   | 84.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 17:00      | SR      |
| 56-55-3    | Benzo(a)anthracene     | ND     |      | ug/kg dry | 42.3                   | 84.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 17:00      | SR      |
| 50-32-8    | Benzo(a)pyrene         | ND     |      | ug/kg dry | 42.3                   | 84.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 17:00      | SR      |
| 205-99-2   | Benzo(b)fluoranthene   | ND     |      | ug/kg dry | 42.3                   | 84.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 17:00      | SR      |
| 191-24-2   | Benzo(g,h,i)perylene   | ND     |      | ug/kg dry | 42.3                   | 84.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 17:00      | SR      |
| 207-08-9   | Benzo(k)fluoranthene   | ND     |      | ug/kg dry | 42.3                   | 84.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 17:00      | SR      |
| 218-01-9   | Chrysene               | ND     |      | ug/kg dry | 42.3                   | 84.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 17:00      | SR      |
| 53-70-3    | Dibenzo(a,h)anthracene | ND     |      | ug/kg dry | 42.3                   | 84.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 17:00      | SR      |
| 132-64-9   | Dibenzofuran           | ND     |      | ug/kg dry | 42.3                   | 84.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/13/2015 08:08      | 08/13/2015 17:00      | SR      |
| 206-44-0   | Fluoranthene           | ND     |      | ug/kg dry | 42.3                   | 84.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 17:00      | SR      |
| 86-73-7    | Fluorene               | ND     |      | ug/kg dry | 42.3                   | 84.3 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP       | 08/13/2015 08:08      | 08/13/2015 17:00      | SR      |
| 118-74-1   | Hexachlorobenzene      | ND     |      | ug/kg dry | 42.3                   | 84.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 17:00      | SR      |
| 193-39-5   | Indeno(1,2,3-cd)pyrene | ND     |      | ug/kg dry | 42.3                   | 84.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 17:00      | SR      |
| 95-48-7    | 2-Methylphenol         | ND     |      | ug/kg dry | 42.3                   | 84.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 17:00      | SR      |
| 65794-96-9 | 3- & 4-Methylphenols   | ND     |      | ug/kg dry | 42.3                   | 84.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/13/2015 08:08      | 08/13/2015 17:00      | SR      |



## Sample Information

**Client Sample ID:** Endpoint 10

**York Sample ID:** 15H0237-07

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 12:00 pm

Date Received  
08/07/2015

### Semi-Volatiles, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag | Units     | Reported to<br>LOD/MDL  | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|------|-----------|-------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 91-20-3                     | Naphthalene                     | ND            |      | ug/kg dry | 42.3                    | 84.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/13/2015 08:08      | 08/13/2015 17:00      | SR      |
| 87-86-5                     | Pentachlorophenol               | ND            |      | ug/kg dry | 42.3                    | 84.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 17:00      | SR      |
| 85-01-8                     | Phenanthrene                    | ND            |      | ug/kg dry | 42.3                    | 84.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 17:00      | SR      |
| 108-95-2                    | Phenol                          | ND            |      | ug/kg dry | 42.3                    | 84.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 17:00      | SR      |
| 129-00-0                    | Pyrene                          | ND            |      | ug/kg dry | 42.3                    | 84.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 17:00      | SR      |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> |      |           | <b>Acceptance Range</b> |      |          |                                                              |                       |                       |         |
| 367-12-4                    | Surrogate: 2-Fluorophenol       | 45.9 %        |      |           | 10-95                   |      |          |                                                              |                       |                       |         |
| 4165-62-2                   | Surrogate: Phenol-d5            | 43.3 %        |      |           | 10-107                  |      |          |                                                              |                       |                       |         |
| 4165-60-0                   | Surrogate: Nitrobenzene-d5      | 42.8 %        |      |           | 10-95                   |      |          |                                                              |                       |                       |         |
| 321-60-8                    | Surrogate: 2-Fluorobiphenyl     | 45.8 %        |      |           | 10-97                   |      |          |                                                              |                       |                       |         |
| 118-79-6                    | Surrogate: 2,4,6-Tribromophenol | 35.9 %        |      |           | 10-103                  |      |          |                                                              |                       |                       |         |
| 1718-51-0                   | Surrogate: Terphenyl-d14        | 61.9 %        |      |           | 19-99                   |      |          |                                                              |                       |                       |         |

### Pesticides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.   | Parameter              | Result      | Flag | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|------------------------|-------------|------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 72-54-8   | <b>4,4'-DDD</b>        | <b>6.36</b> |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:31      | AMC     |
| 72-55-9   | <b>4,4'-DDE</b>        | <b>13.1</b> |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:31      | AMC     |
| 50-29-3   | <b>4,4'-DDT</b>        | <b>18.6</b> |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:31      | AMC     |
| 309-00-2  | Aldrin                 | ND          |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:31      | AMC     |
| 319-84-6  | alpha-BHC              | ND          |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:31      | AMC     |
| 5103-71-9 | <b>alpha-Chlordane</b> | <b>12.4</b> |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP             | 08/12/2015 14:16      | 08/13/2015 19:31      | AMC     |
| 319-85-7  | beta-BHC               | ND          |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:31      | AMC     |
| 319-86-8  | delta-BHC              | ND          |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:31      | AMC     |
| 60-57-1   | <b>Dieldrin</b>        | <b>23.3</b> |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:31      | AMC     |
| 959-98-8  | Endosulfan I           | ND          |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:31      | AMC     |



## Sample Information

**Client Sample ID:** Endpoint 10

**York Sample ID:** 15H0237-07

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 12:00 pm

Date Received  
08/07/2015

### Pesticides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag | Units                   | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|------|-------------------------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 33213-65-9                  | Endosulfan II                   | ND            |      | ug/kg dry               | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:31      | AMC     |
| 1031-07-8                   | Endosulfan sulfate              | ND            |      | ug/kg dry               | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:31      | AMC     |
| 72-20-8                     | Endrin                          | ND            |      | ug/kg dry               | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:31      | AMC     |
| 58-89-9                     | gamma-BHC (Lindane)             | ND            |      | ug/kg dry               | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:31      | AMC     |
| 76-44-8                     | Heptachlor                      | ND            |      | ug/kg dry               | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:31      | AMC     |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> |      | <b>Acceptance Range</b> |         |                    |          |                                                              |                       |                       |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 46.4 %        |      | 30-140                  |         |                    |          |                                                              |                       |                       |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 51.1 %        |      | 30-140                  |         |                    |          |                                                              |                       |                       |         |

### Polychlorinated Biphenyls (PCB)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag | Units                   | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|------|-------------------------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 12674-11-2                  | Aroclor 1016                    | ND            |      | mg/kg dry               | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:22      | AMC     |
| 11104-28-2                  | Aroclor 1221                    | ND            |      | mg/kg dry               | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:22      | AMC     |
| 11141-16-5                  | Aroclor 1232                    | ND            |      | mg/kg dry               | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:22      | AMC     |
| 53469-21-9                  | Aroclor 1242                    | ND            |      | mg/kg dry               | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:22      | AMC     |
| 12672-29-6                  | Aroclor 1248                    | ND            |      | mg/kg dry               | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:22      | AMC     |
| 11097-69-1                  | <b>Aroclor 1254</b>             | <b>0.0977</b> |      | mg/kg dry               | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:22      | AMC     |
| 11096-82-5                  | Aroclor 1260                    | ND            |      | mg/kg dry               | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:22      | AMC     |
| 1336-36-3                   | <b>* Total PCBs</b>             | <b>0.0977</b> |      | mg/kg dry               | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications:                                 | 08/12/2015 14:16      | 08/13/2015 19:22      | AMC     |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> |      | <b>Acceptance Range</b> |         |                    |          |                                                              |                       |                       |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 51.7 %        |      | 30-140                  |         |                    |          |                                                              |                       |                       |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 44.4 %        |      | 30-140                  |         |                    |          |                                                              |                       |                       |         |

### Herbicides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|-----------|--------|------|-------|---------|--------------------|----------|------------------|-----------------------|-----------------------|---------|
|---------|-----------|--------|------|-------|---------|--------------------|----------|------------------|-----------------------|-----------------------|---------|



## Sample Information

**Client Sample ID:** Endpoint 10

**York Sample ID:** 15H0237-07

**York Project (SDG) No.**  
15H0237

**Client Project ID**  
Roberto Clemente

**Matrix**  
Soil

**Collection Date/Time**  
August 6, 2015 12:00 pm

**Date Received**  
08/07/2015

### Herbicides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

| CAS No.              | Parameter                                       | Result | Flag | Units            | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------------------|-------------------------------------------------|--------|------|------------------|---------|--------------------|----------|----------------------------------------------------------------|-----------------------|-----------------------|---------|
| 93-72-1              | 2,4,5-TP (Silvex)                               | ND     |      | ug/kg dry        | 20.2    | 20.2               | 1        | EPA 8151A m<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 05:51      | 08/13/2015 17:57      | AMC     |
| Surrogate Recoveries |                                                 | Result |      | Acceptance Range |         |                    |          |                                                                |                       |                       |         |
| 19719-28-9           | Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) | 55.4 % |      | 30-150           |         |                    |          |                                                                |                       |                       |         |

### Metals, NYSDEC Part 375

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7440-38-2 | Arsenic   | 3.42   |      | mg/kg dry | 1.01    | 1.01               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:30      | ALD     |
| 7440-39-3 | Barium    | 56.7   |      | mg/kg dry | 1.01    | 1.01               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:30      | ALD     |
| 7440-41-7 | Beryllium | ND     |      | mg/kg dry | 0.101   | 0.101              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 15:30      | ALD     |
| 7440-43-9 | Cadmium   | 0.513  |      | mg/kg dry | 0.303   | 0.303              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:30      | ALD     |
| 7440-47-3 | Chromium  | 12.1   |      | mg/kg dry | 0.505   | 0.505              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:30      | ALD     |
| 7440-50-8 | Copper    | 26.7   |      | mg/kg dry | 0.505   | 0.505              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 15:30      | ALD     |
| 7439-92-1 | Lead      | 262    |      | mg/kg dry | 0.303   | 0.303              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:30      | ALD     |
| 7439-96-5 | Manganese | 111    |      | mg/kg dry | 0.505   | 0.505              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 15:30      | ALD     |
| 7440-02-0 | Nickel    | 6.35   |      | mg/kg dry | 0.505   | 0.505              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:30      | ALD     |
| 7782-49-2 | Selenium  | 1.44   |      | mg/kg dry | 1.01    | 1.01               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:30      | ALD     |
| 7440-22-4 | Silver    | ND     |      | mg/kg dry | 0.505   | 0.505              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:30      | ALD     |
| 7440-66-6 | Zinc      | 188    |      | mg/kg dry | 1.01    | 1.01               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 15:30      | ALD     |

### Mercury by 7473

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7439-97-6 | Mercury   | 0.200  |      | mg/kg dry | 0.0303  | 0.0303             | 1        | EPA 7473<br>Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 08/11/2015 08:39      | 08/11/2015 12:12      | KV      |





## Sample Information

**Client Sample ID:** Endpoint 10

**York Sample ID:** 15H0237-07

**York Project (SDG) No.**

15H0237

**Client Project ID**

Roberto Clemente

**Matrix**

Soil

**Collection Date/Time**

August 6, 2015 12:00 pm

**Date Received**

08/07/2015

### Total Solids

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter  | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                  | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|------------|--------|------|-------|---------|--------------------|----------|-----------------------------------|-----------------------|-----------------------|---------|
| solids  | * % Solids | 98.9   |      | %     | 0.100   | 0.100              | 1        | SM 2540G<br>Certifications: CTDOH | 08/10/2015 10:42      | 08/10/2015 18:12      | KK      |

### Chromium, Hexavalent

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA SW846-3060

| CAS No.    | Parameter            | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                       | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|----------------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------|-----------------------|-----------------------|---------|
| 18540-29-9 | Chromium, Hexavalent | ND     |      | mg/kg dry | 0.354   | 0.505              | 1        | EPA 7196A<br>Certifications: NJDEP,CTDOH,NELAC-NY10854 | 08/10/2015 07:42      | 08/10/2015 13:20      | SC      |

### Chromium, Trivalent

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: Analysis Preparation

| CAS No.    | Parameter             | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|-----------------------|--------|------|-------|---------|--------------------|----------|--------------------------------|-----------------------|-----------------------|---------|
| 16065-83-1 | * Chromium, Trivalent | 12.1   |      | mg/kg | 0.250   | 0.500              | 1        | Calculation<br>Certifications: | 08/14/2015 13:00      | 08/14/2015 16:06      | SC      |

### Cyanide, Total

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

| CAS No. | Parameter      | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|----------------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 57-12-5 | Cyanide, total | ND     |      | mg/kg dry | 0.505   | 0.505              | 1        | EPA 9014/9010C<br>Certifications: NELAC-NY10854,CTDOH,NJDEP | 08/13/2015 08:46      | 08/13/2015 16:59      | AD      |

## Sample Information

**Client Sample ID:** Endpoint 11

**York Sample ID:** 15H0237-08

**York Project (SDG) No.**

15H0237

**Client Project ID**

Roberto Clemente

**Matrix**

Soil

**Collection Date/Time**

August 6, 2015 12:10 pm

**Date Received**

08/07/2015

### Volatile Organics, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No. | Parameter             | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|-----------------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 71-55-6 | 1,1,1-Trichloroethane | ND     |      | ug/kg dry | 2.9     | 5.8                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 16:51      | BK      |
| 75-34-3 | 1,1-Dichloroethane    | ND     |      | ug/kg dry | 2.9     | 5.8                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 16:51      | BK      |
| 75-35-4 | 1,1-Dichloroethylene  | ND     |      | ug/kg dry | 2.9     | 5.8                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 16:51      | BK      |





## Sample Information

**Client Sample ID:** Endpoint 11

**York Sample ID:** 15H0237-08

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 12:10 pm

Date Received  
08/07/2015

### Volatile Organics, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.     | Parameter                      | Result | Flag       | Units     | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-------------|--------------------------------|--------|------------|-----------|------------------------|-----|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 95-63-6     | 1,2,4-Trimethylbenzene         | ND     |            | ug/kg dry | 2.9                    | 5.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 16:51      | BK      |
| 95-50-1     | 1,2-Dichlorobenzene            | ND     |            | ug/kg dry | 2.9                    | 5.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 16:51      | BK      |
| 107-06-2    | 1,2-Dichloroethane             | ND     |            | ug/kg dry | 2.9                    | 5.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 16:51      | BK      |
| 108-67-8    | 1,3,5-Trimethylbenzene         | ND     |            | ug/kg dry | 2.9                    | 5.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 16:51      | BK      |
| 541-73-1    | 1,3-Dichlorobenzene            | ND     |            | ug/kg dry | 2.9                    | 5.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 16:51      | BK      |
| 106-46-7    | 1,4-Dichlorobenzene            | ND     |            | ug/kg dry | 2.9                    | 5.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 16:51      | BK      |
| 123-91-1    | 1,4-Dioxane                    | ND     |            | ug/kg dry | 58                     | 120 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 08/11/2015 08:17      | 08/11/2015 16:51      | BK      |
| 78-93-3     | 2-Butanone                     | ND     |            | ug/kg dry | 2.9                    | 5.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 16:51      | BK      |
| 67-64-1     | Acetone                        | 12     | SCAL-<br>E | ug/kg dry | 5.8                    | 12  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 16:51      | BK      |
| 71-43-2     | Benzene                        | ND     |            | ug/kg dry | 2.9                    | 5.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 16:51      | BK      |
| 56-23-5     | Carbon tetrachloride           | ND     |            | ug/kg dry | 2.9                    | 5.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 16:51      | BK      |
| 108-90-7    | Chlorobenzene                  | ND     |            | ug/kg dry | 2.9                    | 5.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 16:51      | BK      |
| 67-66-3     | Chloroform                     | ND     |            | ug/kg dry | 2.9                    | 5.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 16:51      | BK      |
| 156-59-2    | cis-1,2-Dichloroethylene       | ND     |            | ug/kg dry | 2.9                    | 5.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 16:51      | BK      |
| 100-41-4    | Ethyl Benzene                  | ND     |            | ug/kg dry | 2.9                    | 5.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 16:51      | BK      |
| 1634-04-4   | Methyl tert-butyl ether (MTBE) | ND     |            | ug/kg dry | 2.9                    | 5.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 16:51      | BK      |
| 75-09-2     | Methylene chloride             | 21     |            | ug/kg dry | 5.8                    | 12  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 16:51      | BK      |
| 91-20-3     | Naphthalene                    | ND     |            | ug/kg dry | 2.9                    | 12  | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 08/11/2015 08:17      | 08/11/2015 16:51      | BK      |
| 104-51-8    | n-Butylbenzene                 | ND     |            | ug/kg dry | 2.9                    | 5.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 16:51      | BK      |
| 103-65-1    | n-Propylbenzene                | ND     |            | ug/kg dry | 2.9                    | 5.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 16:51      | BK      |
| 95-47-6     | o-Xylene                       | ND     |            | ug/kg dry | 2.9                    | 5.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 08/11/2015 08:17      | 08/11/2015 16:51      | BK      |
| 179601-23-1 | p- & m- Xylenes                | ND     |            | ug/kg dry | 5.8                    | 12  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 08/11/2015 08:17      | 08/11/2015 16:51      | BK      |



## Sample Information

**Client Sample ID:** Endpoint 11

**York Sample ID:** 15H0237-08

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 12:10 pm

Date Received  
08/07/2015

### Volatile Organics, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.                     | Parameter                        | Result        | Flag | Units     | Reported to<br>LOD/MDL  | LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|----------------------------------|---------------|------|-----------|-------------------------|-----|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 135-98-8                    | sec-Butylbenzene                 | ND            |      | ug/kg dry | 2.9                     | 5.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 16:51      | BK      |
| 98-06-6                     | tert-Butylbenzene                | ND            |      | ug/kg dry | 2.9                     | 5.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 16:51      | BK      |
| 127-18-4                    | Tetrachloroethylene              | ND            |      | ug/kg dry | 2.9                     | 5.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 16:51      | BK      |
| 108-88-3                    | Toluene                          | ND            |      | ug/kg dry | 2.9                     | 5.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 16:51      | BK      |
| 156-60-5                    | trans-1,2-Dichloroethylene       | ND            |      | ug/kg dry | 2.9                     | 5.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 16:51      | BK      |
| 79-01-6                     | Trichloroethylene                | ND            |      | ug/kg dry | 2.9                     | 5.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 16:51      | BK      |
| 75-01-4                     | Vinyl Chloride                   | ND            |      | ug/kg dry | 2.9                     | 5.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 16:51      | BK      |
| 1330-20-7                   | Xylenes, Total                   | ND            |      | ug/kg dry | 8.7                     | 17  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 16:51      | BK      |
| <b>Surrogate Recoveries</b> |                                  | <b>Result</b> |      |           | <b>Acceptance Range</b> |     |          |                                                              |                       |                       |         |
| 17060-07-0                  | Surrogate: 1,2-Dichloroethane-d4 | 121 %         |      |           | 77-125                  |     |          |                                                              |                       |                       |         |
| 2037-26-5                   | Surrogate: Toluene-d8            | 103 %         |      |           | 85-120                  |     |          |                                                              |                       |                       |         |
| 460-00-4                    | Surrogate: p-Bromofluorobenzene  | 89.8 %        |      |           | 76-130                  |     |          |                                                              |                       |                       |         |

### Semi-Volatiles, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter            | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|----------------------|--------|------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 83-32-9  | Acenaphthene         | ND     |      | ug/kg dry | 42.0                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/14/2015 07:38      | 08/14/2015 13:05      | KH      |
| 208-96-8 | Acenaphthylene       | ND     |      | ug/kg dry | 42.0                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/14/2015 07:38      | 08/14/2015 13:05      | KH      |
| 120-12-7 | Anthracene           | ND     |      | ug/kg dry | 42.0                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/14/2015 07:38      | 08/14/2015 13:05      | KH      |
| 56-55-3  | Benzo(a)anthracene   | ND     |      | ug/kg dry | 42.0                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/14/2015 07:38      | 08/14/2015 13:05      | KH      |
| 50-32-8  | Benzo(a)pyrene       | ND     |      | ug/kg dry | 42.0                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/14/2015 07:38      | 08/14/2015 13:05      | KH      |
| 205-99-2 | Benzo(b)fluoranthene | ND     |      | ug/kg dry | 42.0                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/14/2015 07:38      | 08/14/2015 13:05      | KH      |
| 191-24-2 | Benzo(g,h,i)perylene | ND     |      | ug/kg dry | 42.0                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/14/2015 07:38      | 08/14/2015 13:05      | KH      |
| 207-08-9 | Benzo(k)fluoranthene | ND     |      | ug/kg dry | 42.0                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/14/2015 07:38      | 08/14/2015 13:05      | KH      |
| 218-01-9 | Chrysene             | ND     |      | ug/kg dry | 42.0                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/14/2015 07:38      | 08/14/2015 13:05      | KH      |



## Sample Information

**Client Sample ID:** Endpoint 11

**York Sample ID:** 15H0237-08

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 12:10 pm

Date Received  
08/07/2015

### Semi-Volatiles, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter              | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|------------------------|--------|------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 53-70-3    | Dibenzo(a,h)anthracene | ND     |      | ug/kg dry | 42.0                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/14/2015 07:38      | 08/14/2015 13:05      | KH      |
| 132-64-9   | Dibenzofuran           | ND     |      | ug/kg dry | 42.0                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/14/2015 07:38      | 08/14/2015 13:05      | KH      |
| 206-44-0   | Fluoranthene           | ND     |      | ug/kg dry | 42.0                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/14/2015 07:38      | 08/14/2015 13:05      | KH      |
| 86-73-7    | Fluorene               | ND     |      | ug/kg dry | 42.0                   | 83.9 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP       | 08/14/2015 07:38      | 08/14/2015 13:05      | KH      |
| 118-74-1   | Hexachlorobenzene      | ND     |      | ug/kg dry | 42.0                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/14/2015 07:38      | 08/14/2015 13:05      | KH      |
| 193-39-5   | Indeno(1,2,3-cd)pyrene | ND     |      | ug/kg dry | 42.0                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/14/2015 07:38      | 08/14/2015 13:05      | KH      |
| 95-48-7    | 2-Methylphenol         | ND     |      | ug/kg dry | 42.0                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/14/2015 07:38      | 08/14/2015 13:05      | KH      |
| 65794-96-9 | 3- & 4-Methylphenols   | ND     |      | ug/kg dry | 42.0                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/14/2015 07:38      | 08/14/2015 13:05      | KH      |
| 91-20-3    | Naphthalene            | ND     |      | ug/kg dry | 42.0                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/14/2015 07:38      | 08/14/2015 13:05      | KH      |
| 87-86-5    | Pentachlorophenol      | ND     |      | ug/kg dry | 42.0                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/14/2015 07:38      | 08/14/2015 13:05      | KH      |
| 85-01-8    | Phenanthrene           | ND     |      | ug/kg dry | 42.0                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/14/2015 07:38      | 08/14/2015 13:05      | KH      |
| 108-95-2   | Phenol                 | ND     |      | ug/kg dry | 42.0                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/14/2015 07:38      | 08/14/2015 13:05      | KH      |
| 129-00-0   | Pyrene                 | ND     |      | ug/kg dry | 42.0                   | 83.9 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/14/2015 07:38      | 08/14/2015 13:05      | KH      |

| Surrogate Recoveries |                                 | Result | Acceptance Range |
|----------------------|---------------------------------|--------|------------------|
| 367-12-4             | Surrogate: 2-Fluorophenol       | 27.9 % | 10-95            |
| 4165-62-2            | Surrogate: Phenol-d5            | 29.8 % | 10-107           |
| 4165-60-0            | Surrogate: Nitrobenzene-d5      | 23.5 % | 10-95            |
| 321-60-8             | Surrogate: 2-Fluorobiphenyl     | 29.0 % | 10-97            |
| 118-79-6             | Surrogate: 2,4,6-Tribromophenol | 23.2 % | 10-103           |
| 1718-51-0            | Surrogate: Terphenyl-d14        | 27.1 % | 19-99            |

### Pesticides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|-----------|--------|------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 72-54-8 | 4,4'-DDD  | ND     |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:46      | AMC     |
| 72-55-9 | 4,4'-DDE  | ND     |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:46      | AMC     |



## Sample Information

**Client Sample ID:** Endpoint 11

**York Sample ID:** 15H0237-08

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 12:10 pm

Date Received  
08/07/2015

### Pesticides, NYSDEC Part 375 Target List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.              | Parameter                       | Result | Flag             | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------------------|---------------------------------|--------|------------------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 50-29-3              | 4,4'-DDT                        | 2.68   |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:46      | AMC     |
| 309-00-2             | Aldrin                          | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:46      | AMC     |
| 319-84-6             | alpha-BHC                       | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:46      | AMC     |
| 5103-71-9            | alpha-Chlordane                 | 2.21   |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP             | 08/12/2015 14:16      | 08/13/2015 19:46      | AMC     |
| 319-85-7             | beta-BHC                        | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:46      | AMC     |
| 319-86-8             | delta-BHC                       | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:46      | AMC     |
| 60-57-1              | Dieldrin                        | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:46      | AMC     |
| 959-98-8             | Endosulfan I                    | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:46      | AMC     |
| 33213-65-9           | Endosulfan II                   | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:46      | AMC     |
| 1031-07-8            | Endosulfan sulfate              | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:46      | AMC     |
| 72-20-8              | Endrin                          | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:46      | AMC     |
| 58-89-9              | gamma-BHC (Lindane)             | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:46      | AMC     |
| 76-44-8              | Heptachlor                      | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:46      | AMC     |
| Surrogate Recoveries |                                 | Result | Acceptance Range |           |         |                    |          |                                                              |                       |                       |         |
| 877-09-8             | Surrogate: Tetrachloro-m-xylene | 45.7 % | 30-140           |           |         |                    |          |                                                              |                       |                       |         |
| 2051-24-3            | Surrogate: Decachlorobiphenyl   | 81.5 % | 30-140           |           |         |                    |          |                                                              |                       |                       |         |

### Polychlorinated Biphenyls (PCB)

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter    | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|--------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 12674-11-2 | Aroclor 1016 | ND     |      | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:41      | AMC     |
| 11104-28-2 | Aroclor 1221 | ND     |      | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:41      | AMC     |
| 11141-16-5 | Aroclor 1232 | ND     |      | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:41      | AMC     |
| 53469-21-9 | Aroclor 1242 | ND     |      | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:41      | AMC     |



## Sample Information

**Client Sample ID:** Endpoint 11

**York Sample ID:** 15H0237-08

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 12:10 pm

Date Received  
08/07/2015

### Polychlorinated Biphenyls (PCB)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag                    | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 12672-29-6                  | Aroclor 1248                    | ND            |                         | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:41      | AMC     |
| 11097-69-1                  | Aroclor 1254                    | ND            |                         | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:41      | AMC     |
| 11096-82-5                  | Aroclor 1260                    | ND            |                         | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 19:41      | AMC     |
| 1336-36-3                   | * Total PCBs                    | ND            |                         | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications:                                 | 08/12/2015 14:16      | 08/13/2015 19:41      | AMC     |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> | <b>Acceptance Range</b> |           |         |                    |          |                                                              |                       |                       |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 61.2 %        | 30-140                  |           |         |                    |          |                                                              |                       |                       |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 59.9 %        | 30-140                  |           |         |                    |          |                                                              |                       |                       |         |

### Herbicides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

| CAS No.                     | Parameter                                       | Result        | Flag                    | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|-------------------------------------------------|---------------|-------------------------|-----------|---------|--------------------|----------|----------------------------------------------------------------|-----------------------|-----------------------|---------|
| 93-72-1                     | 2,4,5-TP (Silvex)                               | ND            |                         | ug/kg dry | 20.1    | 20.1               | 1        | EPA 8151A m<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 05:51      | 08/13/2015 18:12      | AMC     |
| <b>Surrogate Recoveries</b> |                                                 | <b>Result</b> | <b>Acceptance Range</b> |           |         |                    |          |                                                                |                       |                       |         |
| 19719-28-9                  | Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) | 126 %         | 30-150                  |           |         |                    |          |                                                                |                       |                       |         |

### Metals, NYSDEC Part 375

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7440-38-2 | Arsenic   | 2.33   |      | mg/kg dry | 1.01    | 1.01               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:35      | ALD     |
| 7440-39-3 | Barium    | 11.2   |      | mg/kg dry | 1.01    | 1.01               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:35      | ALD     |
| 7440-41-7 | Beryllium | ND     |      | mg/kg dry | 0.101   | 0.101              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 15:35      | ALD     |
| 7440-43-9 | Cadmium   | ND     |      | mg/kg dry | 0.302   | 0.302              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:35      | ALD     |
| 7440-47-3 | Chromium  | 6.70   |      | mg/kg dry | 0.503   | 0.503              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:35      | ALD     |
| 7440-50-8 | Copper    | 5.12   |      | mg/kg dry | 0.503   | 0.503              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 15:35      | ALD     |
| 7439-92-1 | Lead      | 23.9   |      | mg/kg dry | 0.302   | 0.302              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:35      | ALD     |
| 7439-96-5 | Manganese | 72.1   |      | mg/kg dry | 0.503   | 0.503              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 15:35      | ALD     |



## Sample Information

**Client Sample ID:** Endpoint 11

**York Sample ID:** 15H0237-08

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 12:10 pm

Date Received  
08/07/2015

### Metals, NYSDEC Part 375

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7440-02-0 | Nickel    | 2.78   |      | mg/kg dry | 0.503   | 0.503              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:35      | ALD     |
| 7782-49-2 | Selenium  | ND     |      | mg/kg dry | 1.01    | 1.01               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:35      | ALD     |
| 7440-22-4 | Silver    | ND     |      | mg/kg dry | 0.503   | 0.503              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:35      | ALD     |
| 7440-66-6 | Zinc      | 22.2   |      | mg/kg dry | 1.01    | 1.01               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 15:35      | ALD     |

### Mercury by 7473

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7439-97-6 | Mercury   | ND     |      | mg/kg dry | 0.0302  | 0.0302             | 1        | EPA 7473<br>Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 08/11/2015 08:39      | 08/11/2015 12:19      | KV      |

### Total Solids

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter  | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                  | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|------------|--------|------|-------|---------|--------------------|----------|-----------------------------------|-----------------------|-----------------------|---------|
| solids  | * % Solids | 99.4   |      | %     | 0.100   | 0.100              | 1        | SM 2540G<br>Certifications: CTDOH | 08/10/2015 10:37      | 08/10/2015 18:15      | KK      |

### Chromium, Hexavalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW846-3060

| CAS No.    | Parameter            | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                       | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|----------------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------|-----------------------|-----------------------|---------|
| 18540-29-9 | Chromium, Hexavalent | ND     |      | mg/kg dry | 0.352   | 0.503              | 1        | EPA 7196A<br>Certifications: NJDEP,CTDOH,NELAC-NY10854 | 08/10/2015 07:42      | 08/10/2015 13:20      | SC      |

### Chromium, Trivalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

| CAS No.    | Parameter             | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|-----------------------|--------|------|-------|---------|--------------------|----------|--------------------------------|-----------------------|-----------------------|---------|
| 16065-83-1 | * Chromium, Trivalent | 6.70   |      | mg/kg | 0.250   | 0.500              | 1        | Calculation<br>Certifications: | 08/14/2015 13:00      | 08/14/2015 16:06      | SC      |

### Cyanide, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

| CAS No. | Parameter      | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|----------------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 57-12-5 | Cyanide, total | ND     |      | mg/kg dry | 0.503   | 0.503              | 1        | EPA 9014/9010C<br>Certifications: NELAC-NY10854,CTDOH,NJDEP | 08/13/2015 08:46      | 08/13/2015 16:59      | AD      |



## Sample Information

**Client Sample ID:** Endpoint 12

**York Sample ID:** 15H0237-09

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 12:20 pm

Date Received  
08/07/2015

### Volatile Organics, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.   | Parameter                      | Result | Flag          | Units     | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|--------------------------------|--------|---------------|-----------|------------------------|-----|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 71-55-6   | 1,1,1-Trichloroethane          | ND     |               | ug/kg dry | 3.2                    | 6.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 17:33      | BK      |
| 75-34-3   | 1,1-Dichloroethane             | ND     |               | ug/kg dry | 3.2                    | 6.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 17:33      | BK      |
| 75-35-4   | 1,1-Dichloroethylene           | ND     |               | ug/kg dry | 3.2                    | 6.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 17:33      | BK      |
| 95-63-6   | 1,2,4-Trimethylbenzene         | ND     |               | ug/kg dry | 3.2                    | 6.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 17:33      | BK      |
| 95-50-1   | 1,2-Dichlorobenzene            | ND     |               | ug/kg dry | 3.2                    | 6.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 17:33      | BK      |
| 107-06-2  | 1,2-Dichloroethane             | ND     |               | ug/kg dry | 3.2                    | 6.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 17:33      | BK      |
| 108-67-8  | 1,3,5-Trimethylbenzene         | ND     |               | ug/kg dry | 3.2                    | 6.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 17:33      | BK      |
| 541-73-1  | 1,3-Dichlorobenzene            | ND     |               | ug/kg dry | 3.2                    | 6.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 17:33      | BK      |
| 106-46-7  | 1,4-Dichlorobenzene            | ND     |               | ug/kg dry | 3.2                    | 6.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 17:33      | BK      |
| 123-91-1  | 1,4-Dioxane                    | ND     |               | ug/kg dry | 65                     | 130 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 08/11/2015 08:17      | 08/11/2015 17:33      | BK      |
| 78-93-3   | 2-Butanone                     | ND     |               | ug/kg dry | 3.2                    | 6.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 17:33      | BK      |
| 67-64-1   | Acetone                        | 12     | SCAL-<br>E, J | ug/kg dry | 6.5                    | 13  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 17:33      | BK      |
| 71-43-2   | Benzene                        | ND     |               | ug/kg dry | 3.2                    | 6.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 17:33      | BK      |
| 56-23-5   | Carbon tetrachloride           | ND     |               | ug/kg dry | 3.2                    | 6.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 17:33      | BK      |
| 108-90-7  | Chlorobenzene                  | ND     |               | ug/kg dry | 3.2                    | 6.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 17:33      | BK      |
| 67-66-3   | Chloroform                     | ND     |               | ug/kg dry | 3.2                    | 6.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 17:33      | BK      |
| 156-59-2  | cis-1,2-Dichloroethylene       | ND     |               | ug/kg dry | 3.2                    | 6.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 17:33      | BK      |
| 100-41-4  | Ethyl Benzene                  | ND     |               | ug/kg dry | 3.2                    | 6.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 17:33      | BK      |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND     |               | ug/kg dry | 3.2                    | 6.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 17:33      | BK      |
| 75-09-2   | Methylene chloride             | 20     |               | ug/kg dry | 6.5                    | 13  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 17:33      | BK      |
| 91-20-3   | Naphthalene                    | ND     |               | ug/kg dry | 3.2                    | 13  | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 08/11/2015 08:17      | 08/11/2015 17:33      | BK      |





## Sample Information

**Client Sample ID:** Endpoint 12

**York Sample ID:** 15H0237-09

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 12:20 pm

Date Received  
08/07/2015

### Volatile Organics, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.     | Parameter                  | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-------------|----------------------------|--------|------|-----------|------------------------|-----|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 104-51-8    | n-Butylbenzene             | ND     |      | ug/kg dry | 3.2                    | 6.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 17:33      | BK      |
| 103-65-1    | n-Propylbenzene            | ND     |      | ug/kg dry | 3.2                    | 6.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 17:33      | BK      |
| 95-47-6     | o-Xylene                   | ND     |      | ug/kg dry | 3.2                    | 6.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 08/11/2015 08:17      | 08/11/2015 17:33      | BK      |
| 179601-23-1 | p- & m- Xylenes            | ND     |      | ug/kg dry | 6.5                    | 13  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 08/11/2015 08:17      | 08/11/2015 17:33      | BK      |
| 135-98-8    | sec-Butylbenzene           | ND     |      | ug/kg dry | 3.2                    | 6.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 17:33      | BK      |
| 98-06-6     | tert-Butylbenzene          | ND     |      | ug/kg dry | 3.2                    | 6.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 17:33      | BK      |
| 127-18-4    | Tetrachloroethylene        | ND     |      | ug/kg dry | 3.2                    | 6.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 17:33      | BK      |
| 108-88-3    | Toluene                    | ND     |      | ug/kg dry | 3.2                    | 6.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 17:33      | BK      |
| 156-60-5    | trans-1,2-Dichloroethylene | ND     |      | ug/kg dry | 3.2                    | 6.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 17:33      | BK      |
| 79-01-6     | Trichloroethylene          | ND     |      | ug/kg dry | 3.2                    | 6.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 17:33      | BK      |
| 75-01-4     | Vinyl Chloride             | ND     |      | ug/kg dry | 3.2                    | 6.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 17:33      | BK      |
| 1330-20-7   | Xylenes, Total             | ND     |      | ug/kg dry | 9.7                    | 19  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 17:33      | BK      |

|            | Surrogate Recoveries             | Result | Acceptance Range |
|------------|----------------------------------|--------|------------------|
| 17060-07-0 | Surrogate: 1,2-Dichloroethane-d4 | 122 %  | 77-125           |
| 2037-26-5  | Surrogate: Toluene-d8            | 104 %  | 85-120           |
| 460-00-4   | Surrogate: p-Bromofluorobenzene  | 92.0 % | 76-130           |

### Semi-Volatiles, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter          | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|--------------------|--------|------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 83-32-9  | Acenaphthene       | ND     |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 20:13      | SR      |
| 208-96-8 | Acenaphthylene     | ND     |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 20:13      | SR      |
| 120-12-7 | Anthracene         | ND     |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 20:13      | SR      |
| 56-55-3  | Benzo(a)anthracene | ND     |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 20:13      | SR      |
| 50-32-8  | Benzo(a)pyrene     | ND     |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 20:13      | SR      |





## Sample Information

**Client Sample ID:** Endpoint 12

**York Sample ID:** 15H0237-09

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 12:20 pm

Date Received  
08/07/2015

### Semi-Volatiles, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter              | Result      | Flag | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|------------------------|-------------|------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 205-99-2   | Benzo(b)fluoranthene   | ND          |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 20:13      | SR      |
| 191-24-2   | Benzo(g,h,i)perylene   | ND          |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 20:13      | SR      |
| 207-08-9   | Benzo(k)fluoranthene   | ND          |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 20:13      | SR      |
| 218-01-9   | Chrysene               | ND          |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 20:13      | SR      |
| 53-70-3    | Dibenzo(a,h)anthracene | ND          |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 20:13      | SR      |
| 132-64-9   | Dibenzofuran           | ND          |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/13/2015 08:08      | 08/13/2015 20:13      | SR      |
| 206-44-0   | <b>Fluoranthene</b>    | <b>58.4</b> | J    | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 20:13      | SR      |
| 86-73-7    | Fluorene               | ND          |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP       | 08/13/2015 08:08      | 08/13/2015 20:13      | SR      |
| 118-74-1   | Hexachlorobenzene      | ND          |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 20:13      | SR      |
| 193-39-5   | Indeno(1,2,3-cd)pyrene | ND          |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 20:13      | SR      |
| 95-48-7    | 2-Methylphenol         | ND          |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 20:13      | SR      |
| 65794-96-9 | 3- & 4-Methylphenols   | ND          |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/13/2015 08:08      | 08/13/2015 20:13      | SR      |
| 91-20-3    | Naphthalene            | ND          |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/13/2015 08:08      | 08/13/2015 20:13      | SR      |
| 87-86-5    | Pentachlorophenol      | ND          |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 20:13      | SR      |
| 85-01-8    | Phenanthrene           | ND          |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 20:13      | SR      |
| 108-95-2   | Phenol                 | ND          |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 20:13      | SR      |
| 129-00-0   | <b>Pyrene</b>          | <b>58.4</b> | J    | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 20:13      | SR      |

| Surrogate Recoveries |                                 | Result | Acceptance Range |
|----------------------|---------------------------------|--------|------------------|
| 367-12-4             | Surrogate: 2-Fluorophenol       | 43.0 % | 10-95            |
| 4165-62-2            | Surrogate: Phenol-d5            | 47.1 % | 10-107           |
| 4165-60-0            | Surrogate: Nitrobenzene-d5      | 44.0 % | 10-95            |
| 321-60-8             | Surrogate: 2-Fluorobiphenyl     | 52.6 % | 10-97            |
| 118-79-6             | Surrogate: 2,4,6-Tribromophenol | 41.5 % | 10-103           |
| 1718-51-0            | Surrogate: Terphenyl-d14        | 58.0 % | 19-99            |



## Sample Information

**Client Sample ID:** Endpoint 12

**York Sample ID:** 15H0237-09

**York Project (SDG) No.**  
15H0237

**Client Project ID**  
Roberto Clemente

**Matrix**  
Soil

**Collection Date/Time**  
August 6, 2015 12:20 pm

**Date Received**  
08/07/2015

### Pesticides, NYSDEC Part 375 Target List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.              | Parameter                       | Result | Flag             | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------------------|---------------------------------|--------|------------------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 72-54-8              | 4,4'-DDD                        | 13.0   |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:31      | AMC     |
| 72-55-9              | 4,4'-DDE                        | 50.0   |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:31      | AMC     |
| 50-29-3              | 4,4'-DDT                        | 44.6   |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:31      | AMC     |
| 309-00-2             | Aldrin                          | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:31      | AMC     |
| 319-84-6             | alpha-BHC                       | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:31      | AMC     |
| 5103-71-9            | alpha-Chlordane                 | 5.40   |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP             | 08/12/2015 14:16      | 08/13/2015 20:31      | AMC     |
| 319-85-7             | beta-BHC                        | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:31      | AMC     |
| 319-86-8             | delta-BHC                       | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:31      | AMC     |
| 60-57-1              | Dieldrin                        | 16.9   |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:31      | AMC     |
| 959-98-8             | Endosulfan I                    | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:31      | AMC     |
| 33213-65-9           | Endosulfan II                   | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:31      | AMC     |
| 1031-07-8            | Endosulfan sulfate              | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:31      | AMC     |
| 72-20-8              | Endrin                          | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:31      | AMC     |
| 58-89-9              | gamma-BHC (Lindane)             | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:31      | AMC     |
| 76-44-8              | Heptachlor                      | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:31      | AMC     |
| Surrogate Recoveries |                                 | Result | Acceptance Range |           |         |                    |          |                                                              |                       |                       |         |
| 877-09-8             | Surrogate: Tetrachloro-m-xylene | 39.0 % | 30-140           |           |         |                    |          |                                                              |                       |                       |         |
| 2051-24-3            | Surrogate: Decachlorobiphenyl   | 53.6 % | 30-140           |           |         |                    |          |                                                              |                       |                       |         |

### Polychlorinated Biphenyls (PCB)

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter    | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|--------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 12674-11-2 | Aroclor 1016 | ND     |      | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:00      | AMC     |
| 11104-28-2 | Aroclor 1221 | ND     |      | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:00      | AMC     |



## Sample Information

**Client Sample ID:** Endpoint 12

**York Sample ID:** 15H0237-09

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 12:20 pm

Date Received  
08/07/2015

### Polychlorinated Biphenyls (PCB)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag                    | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 11141-16-5                  | Aroclor 1232                    | ND            |                         | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:00      | AMC     |
| 53469-21-9                  | Aroclor 1242                    | ND            |                         | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:00      | AMC     |
| 12672-29-6                  | Aroclor 1248                    | ND            |                         | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:00      | AMC     |
| 11097-69-1                  | Aroclor 1254                    | ND            |                         | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:00      | AMC     |
| 11096-82-5                  | Aroclor 1260                    | ND            |                         | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:00      | AMC     |
| 1336-36-3                   | * Total PCBs                    | ND            |                         | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications:                                 | 08/12/2015 14:16      | 08/13/2015 20:00      | AMC     |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> | <b>Acceptance Range</b> |           |         |                    |          |                                                              |                       |                       |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 66.7 %        | 30-140                  |           |         |                    |          |                                                              |                       |                       |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 60.9 %        | 30-140                  |           |         |                    |          |                                                              |                       |                       |         |

### Herbicides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

| CAS No.                     | Parameter                                       | Result        | Flag                    | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|-------------------------------------------------|---------------|-------------------------|-----------|---------|--------------------|----------|----------------------------------------------------------------|-----------------------|-----------------------|---------|
| 93-72-1                     | 2,4,5-TP (Silvex)                               | ND            |                         | ug/kg dry | 20.1    | 20.1               | 1        | EPA 8151A m<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 05:51      | 08/13/2015 18:27      | AMC     |
| <b>Surrogate Recoveries</b> |                                                 | <b>Result</b> | <b>Acceptance Range</b> |           |         |                    |          |                                                                |                       |                       |         |
| 19719-28-9                  | Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) | 90.2 %        | 30-150                  |           |         |                    |          |                                                                |                       |                       |         |

### Metals, NYSDEC Part 375

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7440-38-2 | Arsenic   | 2.37   |      | mg/kg dry | 1.01    | 1.01               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:40      | ALD     |
| 7440-39-3 | Barium    | 30.5   |      | mg/kg dry | 1.01    | 1.01               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:40      | ALD     |
| 7440-41-7 | Beryllium | ND     |      | mg/kg dry | 0.101   | 0.101              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 15:40      | ALD     |
| 7440-43-9 | Cadmium   | 0.405  |      | mg/kg dry | 0.302   | 0.302              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:40      | ALD     |
| 7440-47-3 | Chromium  | 17.4   |      | mg/kg dry | 0.503   | 0.503              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:40      | ALD     |
| 7440-50-8 | Copper    | 16.1   |      | mg/kg dry | 0.503   | 0.503              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 15:40      | ALD     |



## Sample Information

**Client Sample ID:** Endpoint 12

**York Sample ID:** 15H0237-09

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 12:20 pm

Date Received  
08/07/2015

### Metals, NYSDEC Part 375

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7439-92-1 | Lead      | 42.9   |      | mg/kg dry | 0.302   | 0.302              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:40      | ALD     |
| 7439-96-5 | Manganese | 169    |      | mg/kg dry | 0.503   | 0.503              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 15:40      | ALD     |
| 7440-02-0 | Nickel    | 7.95   |      | mg/kg dry | 0.503   | 0.503              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:40      | ALD     |
| 7782-49-2 | Selenium  | 2.72   |      | mg/kg dry | 1.01    | 1.01               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:40      | ALD     |
| 7440-22-4 | Silver    | ND     |      | mg/kg dry | 0.503   | 0.503              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:40      | ALD     |
| 7440-66-6 | Zinc      | 39.4   |      | mg/kg dry | 1.01    | 1.01               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 15:40      | ALD     |

### Mercury by 7473

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7439-97-6 | Mercury   | 0.121  |      | mg/kg dry | 0.0302  | 0.0302             | 1        | EPA 7473<br>Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 08/11/2015 08:39      | 08/11/2015 12:28      | KV      |

### Total Solids

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter  | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                  | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|------------|--------|------|-------|---------|--------------------|----------|-----------------------------------|-----------------------|-----------------------|---------|
| solids  | * % Solids | 99.3   |      | %     | 0.100   | 0.100              | 1        | SM 2540G<br>Certifications: CTDOH | 08/10/2015 10:37      | 08/10/2015 18:15      | KK      |

### Chromium, Hexavalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW846-3060

| CAS No.    | Parameter            | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                       | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|----------------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------|-----------------------|-----------------------|---------|
| 18540-29-9 | Chromium, Hexavalent | ND     |      | mg/kg dry | 0.352   | 0.503              | 1        | EPA 7196A<br>Certifications: NJDEP,CTDOH,NELAC-NY10854 | 08/10/2015 07:42      | 08/10/2015 13:20      | SC      |

### Chromium, Trivalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

| CAS No.    | Parameter             | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|-----------------------|--------|------|-------|---------|--------------------|----------|--------------------------------|-----------------------|-----------------------|---------|
| 16065-83-1 | * Chromium, Trivalent | 17.4   |      | mg/kg | 0.250   | 0.500              | 1        | Calculation<br>Certifications: | 08/14/2015 13:00      | 08/14/2015 16:06      | SC      |

### Cyanide, Total

#### Log-in Notes:

#### Sample Notes:



## Sample Information

**Client Sample ID:** Endpoint 12

**York Sample ID:** 15H0237-09

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 12:20 pm

Date Received  
08/07/2015

Sample Prepared by Method: Analysis Preparation Soil

| CAS No. | Parameter      | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|----------------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 57-12-5 | Cyanide, total | ND     |      | mg/kg dry | 0.503   | 0.503              | 1        | EPA 9014/9010C<br>Certifications: NELAC-NY10854,CTDOH,NJDEP | 08/13/2015 08:46      | 08/13/2015 16:59      | AD      |

## Sample Information

**Client Sample ID:** Endpoint 13

**York Sample ID:** 15H0237-10

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 12:30 pm

Date Received  
08/07/2015

### Volatile Organics, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.  | Parameter              | Result | Flag   | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|------------------------|--------|--------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 71-55-6  | 1,1,1-Trichloroethane  | ND     |        | ug/kg dry | 2.7     | 5.5                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 18:15      | BK      |
| 75-34-3  | 1,1-Dichloroethane     | ND     |        | ug/kg dry | 2.7     | 5.5                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 18:15      | BK      |
| 75-35-4  | 1,1-Dichloroethylene   | ND     |        | ug/kg dry | 2.7     | 5.5                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 18:15      | BK      |
| 95-63-6  | 1,2,4-Trimethylbenzene | ND     |        | ug/kg dry | 2.7     | 5.5                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 18:15      | BK      |
| 95-50-1  | 1,2-Dichlorobenzene    | ND     |        | ug/kg dry | 2.7     | 5.5                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 18:15      | BK      |
| 107-06-2 | 1,2-Dichloroethane     | ND     |        | ug/kg dry | 2.7     | 5.5                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 18:15      | BK      |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND     |        | ug/kg dry | 2.7     | 5.5                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 18:15      | BK      |
| 541-73-1 | 1,3-Dichlorobenzene    | ND     |        | ug/kg dry | 2.7     | 5.5                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 18:15      | BK      |
| 106-46-7 | 1,4-Dichlorobenzene    | ND     |        | ug/kg dry | 2.7     | 5.5                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 18:15      | BK      |
| 123-91-1 | 1,4-Dioxane            | ND     |        | ug/kg dry | 55      | 110                | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 08/11/2015 08:17      | 08/11/2015 18:15      | BK      |
| 78-93-3  | 2-Butanone             | ND     |        | ug/kg dry | 2.7     | 5.5                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 18:15      | BK      |
| 67-64-1  | Acetone                | ND     | SCAL-E | ug/kg dry | 5.5     | 11                 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 18:15      | BK      |
| 71-43-2  | Benzene                | ND     |        | ug/kg dry | 2.7     | 5.5                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 18:15      | BK      |
| 56-23-5  | Carbon tetrachloride   | ND     |        | ug/kg dry | 2.7     | 5.5                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 18:15      | BK      |
| 108-90-7 | Chlorobenzene          | ND     |        | ug/kg dry | 2.7     | 5.5                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 18:15      | BK      |



## Sample Information

**Client Sample ID:** Endpoint 13

**York Sample ID:** 15H0237-10

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 12:30 pm

Date Received  
08/07/2015

### Volatile Organics, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.                     | Parameter                        | Result        | Flag                    | Units     | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|----------------------------------|---------------|-------------------------|-----------|------------------------|-----|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 67-66-3                     | Chloroform                       | ND            |                         | ug/kg dry | 2.7                    | 5.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 18:15      | BK      |
| 156-59-2                    | cis-1,2-Dichloroethylene         | ND            |                         | ug/kg dry | 2.7                    | 5.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 18:15      | BK      |
| 100-41-4                    | Ethyl Benzene                    | ND            |                         | ug/kg dry | 2.7                    | 5.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 18:15      | BK      |
| 1634-04-4                   | Methyl tert-butyl ether (MTBE)   | ND            |                         | ug/kg dry | 2.7                    | 5.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 18:15      | BK      |
| 75-09-2                     | <b>Methylene chloride</b>        | <b>18</b>     |                         | ug/kg dry | 5.5                    | 11  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 18:15      | BK      |
| 91-20-3                     | Naphthalene                      | ND            |                         | ug/kg dry | 2.7                    | 11  | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 08/11/2015 08:17      | 08/11/2015 18:15      | BK      |
| 104-51-8                    | n-Butylbenzene                   | ND            |                         | ug/kg dry | 2.7                    | 5.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 18:15      | BK      |
| 103-65-1                    | n-Propylbenzene                  | ND            |                         | ug/kg dry | 2.7                    | 5.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 18:15      | BK      |
| 95-47-6                     | o-Xylene                         | ND            |                         | ug/kg dry | 2.7                    | 5.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 08/11/2015 08:17      | 08/11/2015 18:15      | BK      |
| 179601-23-1                 | p- & m- Xylenes                  | ND            |                         | ug/kg dry | 5.5                    | 11  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 08/11/2015 08:17      | 08/11/2015 18:15      | BK      |
| 135-98-8                    | sec-Butylbenzene                 | ND            |                         | ug/kg dry | 2.7                    | 5.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 18:15      | BK      |
| 98-06-6                     | tert-Butylbenzene                | ND            |                         | ug/kg dry | 2.7                    | 5.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 18:15      | BK      |
| 127-18-4                    | Tetrachloroethylene              | ND            |                         | ug/kg dry | 2.7                    | 5.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 18:15      | BK      |
| 108-88-3                    | Toluene                          | ND            |                         | ug/kg dry | 2.7                    | 5.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 18:15      | BK      |
| 156-60-5                    | trans-1,2-Dichloroethylene       | ND            |                         | ug/kg dry | 2.7                    | 5.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 18:15      | BK      |
| 79-01-6                     | Trichloroethylene                | ND            |                         | ug/kg dry | 2.7                    | 5.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 18:15      | BK      |
| 75-01-4                     | Vinyl Chloride                   | ND            |                         | ug/kg dry | 2.7                    | 5.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 18:15      | BK      |
| 1330-20-7                   | Xylenes, Total                   | ND            |                         | ug/kg dry | 8.2                    | 16  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 18:15      | BK      |
| <b>Surrogate Recoveries</b> |                                  | <b>Result</b> | <b>Acceptance Range</b> |           |                        |     |          |                                                              |                       |                       |         |
| 17060-07-0                  | Surrogate: 1,2-Dichloroethane-d4 | 121 %         | 77-125                  |           |                        |     |          |                                                              |                       |                       |         |
| 2037-26-5                   | Surrogate: Toluene-d8            | 104 %         | 85-120                  |           |                        |     |          |                                                              |                       |                       |         |
| 460-00-4                    | Surrogate: p-Bromofluorobenzene  | 93.8 %        | 76-130                  |           |                        |     |          |                                                              |                       |                       |         |

### Semi-Volatiles, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:



## Sample Information

**Client Sample ID:** Endpoint 13

**York Sample ID:** 15H0237-10

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 12:30 pm

Date Received  
08/07/2015

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter              | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|------------------------|--------|------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 83-32-9    | Acenaphthene           | ND     |      | ug/kg dry | 42.8                   | 85.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/14/2015 07:38      | 08/14/2015 13:36      | KH      |
| 208-96-8   | Acenaphthylene         | ND     |      | ug/kg dry | 42.8                   | 85.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/14/2015 07:38      | 08/14/2015 13:36      | KH      |
| 120-12-7   | Anthracene             | ND     |      | ug/kg dry | 42.8                   | 85.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/14/2015 07:38      | 08/14/2015 13:36      | KH      |
| 56-55-3    | Benzo(a)anthracene     | ND     |      | ug/kg dry | 42.8                   | 85.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/14/2015 07:38      | 08/14/2015 13:36      | KH      |
| 50-32-8    | Benzo(a)pyrene         | ND     |      | ug/kg dry | 42.8                   | 85.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/14/2015 07:38      | 08/14/2015 13:36      | KH      |
| 205-99-2   | Benzo(b)fluoranthene   | ND     |      | ug/kg dry | 42.8                   | 85.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/14/2015 07:38      | 08/14/2015 13:36      | KH      |
| 191-24-2   | Benzo(g,h,i)perylene   | ND     |      | ug/kg dry | 42.8                   | 85.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/14/2015 07:38      | 08/14/2015 13:36      | KH      |
| 207-08-9   | Benzo(k)fluoranthene   | ND     |      | ug/kg dry | 42.8                   | 85.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/14/2015 07:38      | 08/14/2015 13:36      | KH      |
| 218-01-9   | Chrysene               | ND     |      | ug/kg dry | 42.8                   | 85.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/14/2015 07:38      | 08/14/2015 13:36      | KH      |
| 53-70-3    | Dibenzo(a,h)anthracene | ND     |      | ug/kg dry | 42.8                   | 85.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/14/2015 07:38      | 08/14/2015 13:36      | KH      |
| 132-64-9   | Dibenzofuran           | ND     |      | ug/kg dry | 42.8                   | 85.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/14/2015 07:38      | 08/14/2015 13:36      | KH      |
| 206-44-0   | Fluoranthene           | ND     |      | ug/kg dry | 42.8                   | 85.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/14/2015 07:38      | 08/14/2015 13:36      | KH      |
| 86-73-7    | Fluorene               | ND     |      | ug/kg dry | 42.8                   | 85.3 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP       | 08/14/2015 07:38      | 08/14/2015 13:36      | KH      |
| 118-74-1   | Hexachlorobenzene      | ND     |      | ug/kg dry | 42.8                   | 85.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/14/2015 07:38      | 08/14/2015 13:36      | KH      |
| 193-39-5   | Indeno(1,2,3-cd)pyrene | ND     |      | ug/kg dry | 42.8                   | 85.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/14/2015 07:38      | 08/14/2015 13:36      | KH      |
| 95-48-7    | 2-Methylphenol         | ND     |      | ug/kg dry | 42.8                   | 85.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/14/2015 07:38      | 08/14/2015 13:36      | KH      |
| 65794-96-9 | 3- & 4-Methylphenols   | ND     |      | ug/kg dry | 42.8                   | 85.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/14/2015 07:38      | 08/14/2015 13:36      | KH      |
| 91-20-3    | Naphthalene            | ND     |      | ug/kg dry | 42.8                   | 85.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/14/2015 07:38      | 08/14/2015 13:36      | KH      |
| 87-86-5    | Pentachlorophenol      | ND     |      | ug/kg dry | 42.8                   | 85.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/14/2015 07:38      | 08/14/2015 13:36      | KH      |
| 85-01-8    | Phenanthrene           | ND     |      | ug/kg dry | 42.8                   | 85.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/14/2015 07:38      | 08/14/2015 13:36      | KH      |
| 108-95-2   | Phenol                 | ND     |      | ug/kg dry | 42.8                   | 85.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/14/2015 07:38      | 08/14/2015 13:36      | KH      |
| 129-00-0   | Pyrene                 | ND     |      | ug/kg dry | 42.8                   | 85.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/14/2015 07:38      | 08/14/2015 13:36      | KH      |

Surrogate Recoveries

Result

Acceptance Range





## Sample Information

**Client Sample ID:** Endpoint 13

**York Sample ID:** 15H0237-10

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 12:30 pm

Date Received  
08/07/2015

### Semi-Volatiles, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.   | Parameter                       | Result | Flag | Units | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|---------------------------------|--------|------|-------|------------------------|-----|----------|------------------|-----------------------|-----------------------|---------|
| 367-12-4  | Surrogate: 2-Fluorophenol       | 27.1 % |      |       | 10-95                  |     |          |                  |                       |                       |         |
| 4165-62-2 | Surrogate: Phenol-d5            | 31.2 % |      |       | 10-107                 |     |          |                  |                       |                       |         |
| 4165-60-0 | Surrogate: Nitrobenzene-d5      | 24.4 % |      |       | 10-95                  |     |          |                  |                       |                       |         |
| 321-60-8  | Surrogate: 2-Fluorobiphenyl     | 30.5 % |      |       | 10-97                  |     |          |                  |                       |                       |         |
| 118-79-6  | Surrogate: 2,4,6-Tribromophenol | 23.5 % |      |       | 10-103                 |     |          |                  |                       |                       |         |
| 1718-51-0 | Surrogate: Terphenyl-d14        | 29.8 % |      |       | 19-99                  |     |          |                  |                       |                       |         |

### Pesticides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter           | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|---------------------|--------|------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 72-54-8    | 4,4'-DDD            | ND     |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 13:20      | AMC     |
| 72-55-9    | 4,4'-DDE            | ND     |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 13:20      | AMC     |
| 50-29-3    | 4,4'-DDT            | 2.78   |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 13:20      | AMC     |
| 309-00-2   | Aldrin              | ND     |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 13:20      | AMC     |
| 319-84-6   | alpha-BHC           | ND     |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 13:20      | AMC     |
| 5103-71-9  | alpha-Chlordane     | ND     |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP             | 08/12/2015 14:16      | 08/13/2015 13:20      | AMC     |
| 319-85-7   | beta-BHC            | ND     |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 13:20      | AMC     |
| 319-86-8   | delta-BHC           | ND     |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 13:20      | AMC     |
| 60-57-1    | Dieldrin            | ND     |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 13:20      | AMC     |
| 959-98-8   | Endosulfan I        | ND     |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 13:20      | AMC     |
| 33213-65-9 | Endosulfan II       | ND     |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 13:20      | AMC     |
| 1031-07-8  | Endosulfan sulfate  | ND     |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 13:20      | AMC     |
| 72-20-8    | Endrin              | ND     |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 13:20      | AMC     |
| 58-89-9    | gamma-BHC (Lindane) | ND     |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 13:20      | AMC     |
| 76-44-8    | Heptachlor          | ND     |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 13:20      | AMC     |

|          | Surrogate Recoveries            | Result | Acceptance Range |
|----------|---------------------------------|--------|------------------|
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 92.4 % | 30-140           |





## Sample Information

**Client Sample ID:** Endpoint 13

**York Sample ID:** 15H0237-10

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 12:30 pm

Date Received  
08/07/2015

### Pesticides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.   | Parameter                     | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-------------------------------|--------|------|-------|---------|--------------------|----------|------------------|-----------------------|-----------------------|---------|
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 93.8 % |      |       |         | 30-140             |          |                  |                       |                       |         |

### Polychlorinated Biphenyls (PCB)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.              | Parameter                       | Result | Flag | Units            | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------------------|---------------------------------|--------|------|------------------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 12674-11-2           | Aroclor 1016                    | ND     |      | mg/kg dry        | 0.0170  | 0.0170             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:20      | AMC     |
| 11104-28-2           | Aroclor 1221                    | ND     |      | mg/kg dry        | 0.0170  | 0.0170             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:20      | AMC     |
| 11141-16-5           | Aroclor 1232                    | ND     |      | mg/kg dry        | 0.0170  | 0.0170             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:20      | AMC     |
| 53469-21-9           | Aroclor 1242                    | ND     |      | mg/kg dry        | 0.0170  | 0.0170             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:20      | AMC     |
| 12672-29-6           | Aroclor 1248                    | ND     |      | mg/kg dry        | 0.0170  | 0.0170             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:20      | AMC     |
| 11097-69-1           | Aroclor 1254                    | ND     |      | mg/kg dry        | 0.0170  | 0.0170             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:20      | AMC     |
| 11096-82-5           | Aroclor 1260                    | ND     |      | mg/kg dry        | 0.0170  | 0.0170             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:20      | AMC     |
| 1336-36-3            | * Total PCBs                    | ND     |      | mg/kg dry        | 0.0170  | 0.0170             | 1        | EPA 8082A<br>Certifications:                                 | 08/12/2015 14:16      | 08/13/2015 20:20      | AMC     |
| Surrogate Recoveries |                                 | Result |      | Acceptance Range |         |                    |          |                                                              |                       |                       |         |
| 877-09-8             | Surrogate: Tetrachloro-m-xylene | 72.6 % |      |                  |         | 30-140             |          |                                                              |                       |                       |         |
| 2051-24-3            | Surrogate: Decachlorobiphenyl   | 69.6 % |      |                  |         | 30-140             |          |                                                              |                       |                       |         |

### Herbicides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

| CAS No.              | Parameter                                       | Result | Flag | Units            | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------------------|-------------------------------------------------|--------|------|------------------|---------|--------------------|----------|----------------------------------------------------------------|-----------------------|-----------------------|---------|
| 93-72-1              | 2,4,5-TP (Silvex)                               | ND     |      | ug/kg dry        | 20.5    | 20.5               | 1        | EPA 8151A m<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 05:51      | 08/13/2015 18:42      | AMC     |
| Surrogate Recoveries |                                                 | Result |      | Acceptance Range |         |                    |          |                                                                |                       |                       |         |
| 19719-28-9           | Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) | 130 %  |      |                  |         | 30-150             |          |                                                                |                       |                       |         |

### Metals, NYSDEC Part 375

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7440-38-2 | Arsenic   | ND     |      | mg/kg dry | 1.02    | 1.02               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:44      | ALD     |



## Sample Information

**Client Sample ID:** Endpoint 13

**York Sample ID:** 15H0237-10

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 12:30 pm

Date Received  
08/07/2015

### Metals, NYSDEC Part 375

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7440-39-3 | Barium    | 23.7   |      | mg/kg dry | 1.02    | 1.02               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:44      | ALD     |
| 7440-41-7 | Beryllium | ND     |      | mg/kg dry | 0.102   | 0.102              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 15:44      | ALD     |
| 7440-43-9 | Cadmium   | ND     |      | mg/kg dry | 0.307   | 0.307              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:44      | ALD     |
| 7440-47-3 | Chromium  | 12.8   |      | mg/kg dry | 0.511   | 0.511              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:44      | ALD     |
| 7440-50-8 | Copper    | 7.84   |      | mg/kg dry | 0.511   | 0.511              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 15:44      | ALD     |
| 7439-92-1 | Lead      | 6.03   |      | mg/kg dry | 0.307   | 0.307              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:44      | ALD     |
| 7439-96-5 | Manganese | 132    |      | mg/kg dry | 0.511   | 0.511              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 15:44      | ALD     |
| 7440-02-0 | Nickel    | 5.77   |      | mg/kg dry | 0.511   | 0.511              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:44      | ALD     |
| 7782-49-2 | Selenium  | ND     |      | mg/kg dry | 1.02    | 1.02               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:44      | ALD     |
| 7440-22-4 | Silver    | ND     |      | mg/kg dry | 0.511   | 0.511              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:44      | ALD     |
| 7440-66-6 | Zinc      | 16.8   |      | mg/kg dry | 1.02    | 1.02               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 15:44      | ALD     |

### Mercury by 7473

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7439-97-6 | Mercury   | ND     |      | mg/kg dry | 0.0307  | 0.0307             | 1        | EPA 7473<br>Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 08/11/2015 08:39      | 08/11/2015 12:37      | KV      |

### Total Solids

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter  | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                  | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|------------|--------|------|-------|---------|--------------------|----------|-----------------------------------|-----------------------|-----------------------|---------|
| solids  | * % Solids | 97.8   |      | %     | 0.100   | 0.100              | 1        | SM 2540G<br>Certifications: CTDOH | 08/10/2015 10:37      | 08/10/2015 18:15      | KK      |

### Chromium, Hexavalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW846-3060

| CAS No.    | Parameter            | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                       | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|----------------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------|-----------------------|-----------------------|---------|
| 18540-29-9 | Chromium, Hexavalent | ND     |      | mg/kg dry | 0.358   | 0.511              | 1        | EPA 7196A<br>Certifications: NJDEP,CTDOH,NELAC-NY10854 | 08/10/2015 07:42      | 08/10/2015 13:20      | SC      |



## Sample Information

**Client Sample ID:** Endpoint 13

**York Sample ID:** 15H0237-10

York Project (SDG) No.

15H0237

Client Project ID

Roberto Clemente

Matrix

Soil

Collection Date/Time

August 6, 2015 12:30 pm

Date Received

08/07/2015

### Chromium, Trivalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

| CAS No.    | Parameter             | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|-----------------------|--------|------|-------|---------|--------------------|----------|--------------------------------|-----------------------|-----------------------|---------|
| 16065-83-1 | * Chromium, Trivalent | 12.8   |      | mg/kg | 0.250   | 0.500              | 1        | Calculation<br>Certifications: | 08/14/2015 13:00      | 08/14/2015 16:06      | SC      |

### Cyanide, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

| CAS No. | Parameter      | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|----------------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 57-12-5 | Cyanide, total | ND     |      | mg/kg dry | 0.511   | 0.511              | 1        | EPA 9014/9010C<br>Certifications: NELAC-NY10854,CTDOH,NJDEP | 08/14/2015 11:09      | 08/14/2015 16:19      | AD      |

## Sample Information

**Client Sample ID:** Endpoint 14

**York Sample ID:** 15H0237-11

York Project (SDG) No.

15H0237

Client Project ID

Roberto Clemente

Matrix

Soil

Collection Date/Time

August 6, 2015 12:40 pm

Date Received

08/07/2015

### Volatile Organics, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.  | Parameter              | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|------------------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 71-55-6  | 1,1,1-Trichloroethane  | ND     |      | ug/kg dry | 3.3     | 6.6                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 18:56      | BK      |
| 75-34-3  | 1,1-Dichloroethane     | ND     |      | ug/kg dry | 3.3     | 6.6                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 18:56      | BK      |
| 75-35-4  | 1,1-Dichloroethylene   | ND     |      | ug/kg dry | 3.3     | 6.6                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 18:56      | BK      |
| 95-63-6  | 1,2,4-Trimethylbenzene | ND     |      | ug/kg dry | 3.3     | 6.6                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 18:56      | BK      |
| 95-50-1  | 1,2-Dichlorobenzene    | ND     |      | ug/kg dry | 3.3     | 6.6                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 18:56      | BK      |
| 107-06-2 | 1,2-Dichloroethane     | ND     |      | ug/kg dry | 3.3     | 6.6                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 18:56      | BK      |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND     |      | ug/kg dry | 3.3     | 6.6                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 18:56      | BK      |
| 541-73-1 | 1,3-Dichlorobenzene    | ND     |      | ug/kg dry | 3.3     | 6.6                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 18:56      | BK      |
| 106-46-7 | 1,4-Dichlorobenzene    | ND     |      | ug/kg dry | 3.3     | 6.6                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 18:56      | BK      |
| 123-91-1 | 1,4-Dioxane            | ND     |      | ug/kg dry | 66      | 130                | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 08/11/2015 08:17      | 08/11/2015 18:56      | BK      |
| 78-93-3  | 2-Butanone             | ND     |      | ug/kg dry | 3.3     | 6.6                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 18:56      | BK      |



## Sample Information

**Client Sample ID:** Endpoint 14

**York Sample ID:** 15H0237-11

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 12:40 pm

Date Received  
08/07/2015

### Volatile Organics, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.     | Parameter                      | Result | Flag   | Units     | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-------------|--------------------------------|--------|--------|-----------|------------------------|-----|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 67-64-1     | Acetone                        | 30     | SCAL-E | ug/kg dry | 6.6                    | 13  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 18:56      | BK      |
| 71-43-2     | Benzene                        | ND     |        | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 18:56      | BK      |
| 56-23-5     | Carbon tetrachloride           | ND     |        | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 18:56      | BK      |
| 108-90-7    | Chlorobenzene                  | ND     |        | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 18:56      | BK      |
| 67-66-3     | Chloroform                     | ND     |        | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 18:56      | BK      |
| 156-59-2    | cis-1,2-Dichloroethylene       | ND     |        | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 18:56      | BK      |
| 100-41-4    | Ethyl Benzene                  | ND     |        | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 18:56      | BK      |
| 1634-04-4   | Methyl tert-butyl ether (MTBE) | ND     |        | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 18:56      | BK      |
| 75-09-2     | Methylene chloride             | 21     |        | ug/kg dry | 6.6                    | 13  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 18:56      | BK      |
| 91-20-3     | Naphthalene                    | ND     |        | ug/kg dry | 3.3                    | 13  | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 08/11/2015 08:17      | 08/11/2015 18:56      | BK      |
| 104-51-8    | n-Butylbenzene                 | ND     |        | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 18:56      | BK      |
| 103-65-1    | n-Propylbenzene                | ND     |        | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 18:56      | BK      |
| 95-47-6     | o-Xylene                       | ND     |        | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 08/11/2015 08:17      | 08/11/2015 18:56      | BK      |
| 179601-23-1 | p- & m- Xylenes                | ND     |        | ug/kg dry | 6.6                    | 13  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 08/11/2015 08:17      | 08/11/2015 18:56      | BK      |
| 135-98-8    | sec-Butylbenzene               | ND     |        | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 18:56      | BK      |
| 98-06-6     | tert-Butylbenzene              | ND     |        | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 18:56      | BK      |
| 127-18-4    | Tetrachloroethylene            | ND     |        | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 18:56      | BK      |
| 108-88-3    | Toluene                        | ND     |        | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 18:56      | BK      |
| 156-60-5    | trans-1,2-Dichloroethylene     | ND     |        | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 18:56      | BK      |
| 79-01-6     | Trichloroethylene              | ND     |        | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 18:56      | BK      |
| 75-01-4     | Vinyl Chloride                 | ND     |        | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 18:56      | BK      |
| 1330-20-7   | Xylenes, Total                 | ND     |        | ug/kg dry | 9.9                    | 20  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 18:56      | BK      |



## Sample Information

**Client Sample ID:** Endpoint 14

**York Sample ID:** 15H0237-11

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 12:40 pm

Date Received  
08/07/2015

### Volatile Organics, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.              | Parameter                        | Result | Flag | Units | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------------------|----------------------------------|--------|------|-------|------------------------|--------|----------|------------------|-----------------------|-----------------------|---------|
| Surrogate Recoveries |                                  | Result |      |       | Acceptance Range       |        |          |                  |                       |                       |         |
| 17060-07-0           | Surrogate: 1,2-Dichloroethane-d4 | 115 %  |      |       |                        | 77-125 |          |                  |                       |                       |         |
| 2037-26-5            | Surrogate: Toluene-d8            | 103 %  |      |       |                        | 85-120 |          |                  |                       |                       |         |
| 460-00-4             | Surrogate: p-Bromofluorobenzene  | 91.7 % |      |       |                        | 76-130 |          |                  |                       |                       |         |

### Semi-Volatiles, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter              | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|------------------------|--------|------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 83-32-9    | Acenaphthene           | ND     |      | ug/kg dry | 42.0                   | 83.8 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 19:41      | SR      |
| 208-96-8   | Acenaphthylene         | ND     |      | ug/kg dry | 42.0                   | 83.8 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 19:41      | SR      |
| 120-12-7   | Anthracene             | ND     |      | ug/kg dry | 42.0                   | 83.8 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 19:41      | SR      |
| 56-55-3    | Benzo(a)anthracene     | ND     |      | ug/kg dry | 42.0                   | 83.8 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 19:41      | SR      |
| 50-32-8    | Benzo(a)pyrene         | ND     |      | ug/kg dry | 42.0                   | 83.8 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 19:41      | SR      |
| 205-99-2   | Benzo(b)fluoranthene   | ND     |      | ug/kg dry | 42.0                   | 83.8 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 19:41      | SR      |
| 191-24-2   | Benzo(g,h,i)perylene   | ND     |      | ug/kg dry | 42.0                   | 83.8 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 19:41      | SR      |
| 207-08-9   | Benzo(k)fluoranthene   | ND     |      | ug/kg dry | 42.0                   | 83.8 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 19:41      | SR      |
| 218-01-9   | Chrysene               | ND     |      | ug/kg dry | 42.0                   | 83.8 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 19:41      | SR      |
| 53-70-3    | Dibenzo(a,h)anthracene | ND     |      | ug/kg dry | 42.0                   | 83.8 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 19:41      | SR      |
| 132-64-9   | Dibenzofuran           | ND     |      | ug/kg dry | 42.0                   | 83.8 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/13/2015 08:08      | 08/13/2015 19:41      | SR      |
| 206-44-0   | Fluoranthene           | ND     |      | ug/kg dry | 42.0                   | 83.8 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 19:41      | SR      |
| 86-73-7    | Fluorene               | ND     |      | ug/kg dry | 42.0                   | 83.8 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP       | 08/13/2015 08:08      | 08/13/2015 19:41      | SR      |
| 118-74-1   | Hexachlorobenzene      | ND     |      | ug/kg dry | 42.0                   | 83.8 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 19:41      | SR      |
| 193-39-5   | Indeno(1,2,3-cd)pyrene | ND     |      | ug/kg dry | 42.0                   | 83.8 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 19:41      | SR      |
| 95-48-7    | 2-Methylphenol         | ND     |      | ug/kg dry | 42.0                   | 83.8 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 19:41      | SR      |
| 65794-96-9 | 3- & 4-Methylphenols   | ND     |      | ug/kg dry | 42.0                   | 83.8 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/13/2015 08:08      | 08/13/2015 19:41      | SR      |



## Sample Information

**Client Sample ID:** Endpoint 14

**York Sample ID:** 15H0237-11

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 12:40 pm

Date Received  
08/07/2015

### Semi-Volatiles, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag | Units     | Reported to<br>LOD/MDL  | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|------|-----------|-------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 91-20-3                     | Naphthalene                     | ND            |      | ug/kg dry | 42.0                    | 83.8 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/13/2015 08:08      | 08/13/2015 19:41      | SR      |
| 87-86-5                     | Pentachlorophenol               | ND            |      | ug/kg dry | 42.0                    | 83.8 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 19:41      | SR      |
| 85-01-8                     | Phenanthrene                    | ND            |      | ug/kg dry | 42.0                    | 83.8 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 19:41      | SR      |
| 108-95-2                    | Phenol                          | ND            |      | ug/kg dry | 42.0                    | 83.8 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 19:41      | SR      |
| 129-00-0                    | Pyrene                          | ND            |      | ug/kg dry | 42.0                    | 83.8 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 19:41      | SR      |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> |      |           | <b>Acceptance Range</b> |      |          |                                                              |                       |                       |         |
| 367-12-4                    | Surrogate: 2-Fluorophenol       | 29.1 %        |      |           | 10-95                   |      |          |                                                              |                       |                       |         |
| 4165-62-2                   | Surrogate: Phenol-d5            | 33.9 %        |      |           | 10-107                  |      |          |                                                              |                       |                       |         |
| 4165-60-0                   | Surrogate: Nitrobenzene-d5      | 32.7 %        |      |           | 10-95                   |      |          |                                                              |                       |                       |         |
| 321-60-8                    | Surrogate: 2-Fluorobiphenyl     | 37.4 %        |      |           | 10-97                   |      |          |                                                              |                       |                       |         |
| 118-79-6                    | Surrogate: 2,4,6-Tribromophenol | 26.9 %        |      |           | 10-103                  |      |          |                                                              |                       |                       |         |
| 1718-51-0                   | Surrogate: Terphenyl-d14        | 41.1 %        |      |           | 19-99                   |      |          |                                                              |                       |                       |         |

### Pesticides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.   | Parameter              | Result      | Flag | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|------------------------|-------------|------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 72-54-8   | <b>4,4'-DDD</b>        | <b>6.50</b> |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:46      | AMC     |
| 72-55-9   | <b>4,4'-DDE</b>        | <b>4.75</b> |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:46      | AMC     |
| 50-29-3   | <b>4,4'-DDT</b>        | <b>6.58</b> |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:46      | AMC     |
| 309-00-2  | Aldrin                 | ND          |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:46      | AMC     |
| 319-84-6  | alpha-BHC              | ND          |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:46      | AMC     |
| 5103-71-9 | <b>alpha-Chlordane</b> | <b>4.39</b> |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP             | 08/12/2015 14:16      | 08/13/2015 20:46      | AMC     |
| 319-85-7  | beta-BHC               | ND          |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:46      | AMC     |
| 319-86-8  | delta-BHC              | ND          |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:46      | AMC     |
| 60-57-1   | Dieldrin               | ND          |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:46      | AMC     |
| 959-98-8  | Endosulfan I           | ND          |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:46      | AMC     |



## Sample Information

**Client Sample ID:** Endpoint 14

**York Sample ID:** 15H0237-11

York Project (SDG) No.

15H0237

Client Project ID

Roberto Clemente

Matrix

Soil

Collection Date/Time

August 6, 2015 12:40 pm

Date Received

08/07/2015

### Pesticides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag                    | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 33213-65-9                  | Endosulfan II                   | ND            |                         | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:46      | AMC     |
| 1031-07-8                   | Endosulfan sulfate              | ND            |                         | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:46      | AMC     |
| 72-20-8                     | Endrin                          | ND            |                         | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:46      | AMC     |
| 58-89-9                     | gamma-BHC (Lindane)             | ND            |                         | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:46      | AMC     |
| 76-44-8                     | Heptachlor                      | ND            |                         | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:46      | AMC     |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> | <b>Acceptance Range</b> |           |         |                    |          |                                                              |                       |                       |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 45.4 %        | 30-140                  |           |         |                    |          |                                                              |                       |                       |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 69.7 %        | 30-140                  |           |         |                    |          |                                                              |                       |                       |         |

### Polychlorinated Biphenyls (PCB)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag                    | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 12674-11-2                  | Aroclor 1016                    | ND            |                         | mg/kg dry | 0.0167  | 0.0167             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:39      | AMC     |
| 11104-28-2                  | Aroclor 1221                    | ND            |                         | mg/kg dry | 0.0167  | 0.0167             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:39      | AMC     |
| 11141-16-5                  | Aroclor 1232                    | ND            |                         | mg/kg dry | 0.0167  | 0.0167             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:39      | AMC     |
| 53469-21-9                  | Aroclor 1242                    | ND            |                         | mg/kg dry | 0.0167  | 0.0167             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:39      | AMC     |
| 12672-29-6                  | Aroclor 1248                    | ND            |                         | mg/kg dry | 0.0167  | 0.0167             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:39      | AMC     |
| 11097-69-1                  | Aroclor 1254                    | ND            |                         | mg/kg dry | 0.0167  | 0.0167             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:39      | AMC     |
| 11096-82-5                  | Aroclor 1260                    | ND            |                         | mg/kg dry | 0.0167  | 0.0167             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:39      | AMC     |
| 1336-36-3                   | * Total PCBs                    | ND            |                         | mg/kg dry | 0.0167  | 0.0167             | 1        | EPA 8082A<br>Certifications:                                 | 08/12/2015 14:16      | 08/13/2015 20:39      | AMC     |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> | <b>Acceptance Range</b> |           |         |                    |          |                                                              |                       |                       |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 69.7 %        | 30-140                  |           |         |                    |          |                                                              |                       |                       |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 63.8 %        | 30-140                  |           |         |                    |          |                                                              |                       |                       |         |

### Herbicides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|-----------|--------|------|-------|---------|--------------------|----------|------------------|-----------------------|-----------------------|---------|
|---------|-----------|--------|------|-------|---------|--------------------|----------|------------------|-----------------------|-----------------------|---------|





**York Sample ID:**            **15H0237-11**

Date Received  
08/07/2015

**Sample Notes:**

| CAS No.    | Parameter                                       | Result        | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|-------------------------------------------------|---------------|------|-----------|---------|--------------------|----------|-------------------------------------------------|-----------------------|-----------------------|---------|
| 93-72-1    | 2,4,5-TP (Silvex)                               | ND            |      | ug/kg dry | 20.1    | 20.1               | 1        | EPA 8151A m                                     | 08/12/2015 05:51      | 08/14/2015 10:15      | AMC     |
|            |                                                 |               |      |           |         |                    |          | Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP |                       |                       |         |
|            | <b>Surrogate Recoveries</b>                     | <b>Result</b> |      |           |         |                    |          |                                                 |                       |                       |         |
| 19719-28-9 | Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) | 123 %         |      |           |         |                    |          |                                                 |                       |                       |         |
|            |                                                 |               |      |           | 30-150  |                    |          |                                                 |                       |                       |         |

**Sample Notes:**

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method             | Date/Time<br>Prepared                               | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|------------------------------|-----------------------------------------------------|-----------------------|---------|
| 7440-38-2 | Arsenic   | 1.13   |      | mg/kg dry | 1.00    | 1.00               | 1        | EPA 6010C<br>Certifications: | 08/11/2015 11:47<br>CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 15:49      | ALD     |
| 7440-39-3 | Barium    | 15.0   |      | mg/kg dry | 1.00    | 1.00               | 1        | EPA 6010C<br>Certifications: | 08/11/2015 11:47<br>CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 15:49      | ALD     |
| 7440-41-7 | Beryllium | ND     |      | mg/kg dry | 0.100   | 0.100              | 1        | EPA 6010C<br>Certifications: | 08/11/2015 11:47<br>CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 15:49      | ALD     |
| 7440-43-9 | Cadmium   | ND     |      | mg/kg dry | 0.301   | 0.301              | 1        | EPA 6010C<br>Certifications: | 08/11/2015 11:47<br>CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 15:49      | ALD     |
| 7440-47-3 | Chromium  | 5.77   |      | mg/kg dry | 0.502   | 0.502              | 1        | EPA 6010C<br>Certifications: | 08/11/2015 11:47<br>CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 15:49      | ALD     |
| 7440-50-8 | Copper    | 4.92   |      | mg/kg dry | 0.502   | 0.502              | 1        | EPA 6010C<br>Certifications: | 08/11/2015 11:47<br>CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 15:49      | ALD     |
| 7439-92-1 | Lead      | 17.4   |      | mg/kg dry | 0.301   | 0.301              | 1        | EPA 6010C<br>Certifications: | 08/11/2015 11:47<br>CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 15:49      | ALD     |
| 7439-96-5 | Manganese | 82.5   |      | mg/kg dry | 0.502   | 0.502              | 1        | EPA 6010C<br>Certifications: | 08/11/2015 11:47<br>CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 15:49      | ALD     |
| 7440-02-0 | Nickel    | 3.51   |      | mg/kg dry | 0.502   | 0.502              | 1        | EPA 6010C<br>Certifications: | 08/11/2015 11:47<br>CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 15:49      | ALD     |
| 7782-49-2 | Selenium  | ND     |      | mg/kg dry | 1.00    | 1.00               | 1        | EPA 6010C<br>Certifications: | 08/11/2015 11:47<br>CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 15:49      | ALD     |
| 7440-22-4 | Silver    | ND     |      | mg/kg dry | 0.502   | 0.502              | 1        | EPA 6010C<br>Certifications: | 08/11/2015 11:47<br>CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 15:49      | ALD     |
| 7440-66-6 | Zinc      | 18.7   |      | mg/kg dry | 1.00    | 1.00               | 1        | EPA 6010C<br>Certifications: | 08/11/2015 11:47<br>CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 15:49      | ALD     |

**Sample Notes:**

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------|-----------------------|-----------------------|---------|
| 7439-97-6 | Mercury   | ND     |      | mg/kg dry | 0.0301  | 0.0301             | 1        | EPA 7473                                        | 08/11/2015 08:39      | 08/11/2015 12:46      | KV      |
|           |           |        |      |           |         |                    |          | Certifications: CTDOH.NJDEP.NELAC-NY10854.PADEP |                       |                       |         |





## Sample Information

**Client Sample ID:** Endpoint 14

**York Sample ID:** 15H0237-11

**York Project (SDG) No.**  
15H0237

**Client Project ID**  
Roberto Clemente

**Matrix**  
Soil

**Collection Date/Time**  
August 6, 2015 12:40 pm

**Date Received**  
08/07/2015

### Total Solids

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter  | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                  | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|------------|--------|------|-------|---------|--------------------|----------|-----------------------------------|-----------------------|-----------------------|---------|
| solids  | * % Solids | 99.6   |      | %     | 0.100   | 0.100              | 1        | SM 2540G<br>Certifications: CTDOH | 08/10/2015 10:37      | 08/10/2015 18:15      | KK      |

### Chromium, Hexavalent

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA SW846-3060

| CAS No.    | Parameter            | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                       | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|----------------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------|-----------------------|-----------------------|---------|
| 18540-29-9 | Chromium, Hexavalent | ND     |      | mg/kg dry | 0.352   | 0.502              | 1        | EPA 7196A<br>Certifications: NJDEP,CTDOH,NELAC-NY10854 | 08/10/2015 07:42      | 08/10/2015 13:20      | SC      |

### Chromium, Trivalent

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: Analysis Preparation

| CAS No.    | Parameter             | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|-----------------------|--------|------|-------|---------|--------------------|----------|--------------------------------|-----------------------|-----------------------|---------|
| 16065-83-1 | * Chromium, Trivalent | 5.77   |      | mg/kg | 0.250   | 0.500              | 1        | Calculation<br>Certifications: | 08/14/2015 13:00      | 08/14/2015 16:06      | SC      |

### Cyanide, Total

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

| CAS No. | Parameter      | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|----------------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 57-12-5 | Cyanide, total | ND     |      | mg/kg dry | 0.502   | 0.502              | 1        | EPA 9014/9010C<br>Certifications: NELAC-NY10854,CTDOH,NJDEP | 08/14/2015 11:09      | 08/14/2015 16:19      | AD      |

## Sample Information

**Client Sample ID:** Endpoint 15

**York Sample ID:** 15H0237-12

**York Project (SDG) No.**  
15H0237

**Client Project ID**  
Roberto Clemente

**Matrix**  
Soil

**Collection Date/Time**  
August 6, 2015 12:50 pm

**Date Received**  
08/07/2015

### Volatile Organics, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No. | Parameter             | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|-----------------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 71-55-6 | 1,1,1-Trichloroethane | ND     |      | ug/kg dry | 3.0     | 5.9                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 19:38      | BK      |
| 75-34-3 | 1,1-Dichloroethane    | ND     |      | ug/kg dry | 3.0     | 5.9                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 19:38      | BK      |
| 75-35-4 | 1,1-Dichloroethylene  | ND     |      | ug/kg dry | 3.0     | 5.9                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 19:38      | BK      |



## Sample Information

**Client Sample ID:** Endpoint 15

**York Sample ID:** 15H0237-12

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 12:50 pm

Date Received  
08/07/2015

### Volatile Organics, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.     | Parameter                      | Result    | Flag | Units     | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-------------|--------------------------------|-----------|------|-----------|------------------------|-----|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 95-63-6     | 1,2,4-Trimethylbenzene         | ND        |      | ug/kg dry | 3.0                    | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 19:38      | BK      |
| 95-50-1     | 1,2-Dichlorobenzene            | ND        |      | ug/kg dry | 3.0                    | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 19:38      | BK      |
| 107-06-2    | 1,2-Dichloroethane             | ND        |      | ug/kg dry | 3.0                    | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 19:38      | BK      |
| 108-67-8    | 1,3,5-Trimethylbenzene         | ND        |      | ug/kg dry | 3.0                    | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 19:38      | BK      |
| 541-73-1    | 1,3-Dichlorobenzene            | ND        |      | ug/kg dry | 3.0                    | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 19:38      | BK      |
| 106-46-7    | 1,4-Dichlorobenzene            | ND        |      | ug/kg dry | 3.0                    | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 19:38      | BK      |
| 123-91-1    | 1,4-Dioxane                    | ND        |      | ug/kg dry | 59                     | 120 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 08/11/2015 08:17      | 08/11/2015 19:38      | BK      |
| 78-93-3     | 2-Butanone                     | ND        |      | ug/kg dry | 3.0                    | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 19:38      | BK      |
| 67-64-1     | Acetone                        | ND        |      | ug/kg dry | 5.9                    | 12  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 19:38      | BK      |
| 71-43-2     | Benzene                        | ND        |      | ug/kg dry | 3.0                    | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 19:38      | BK      |
| 56-23-5     | Carbon tetrachloride           | ND        |      | ug/kg dry | 3.0                    | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 19:38      | BK      |
| 108-90-7    | Chlorobenzene                  | ND        |      | ug/kg dry | 3.0                    | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 19:38      | BK      |
| 67-66-3     | Chloroform                     | ND        |      | ug/kg dry | 3.0                    | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 19:38      | BK      |
| 156-59-2    | cis-1,2-Dichloroethylene       | ND        |      | ug/kg dry | 3.0                    | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 19:38      | BK      |
| 100-41-4    | Ethyl Benzene                  | ND        |      | ug/kg dry | 3.0                    | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 19:38      | BK      |
| 1634-04-4   | Methyl tert-butyl ether (MTBE) | ND        |      | ug/kg dry | 3.0                    | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 19:38      | BK      |
| 75-09-2     | <b>Methylene chloride</b>      | <b>18</b> |      | ug/kg dry | 5.9                    | 12  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 19:38      | BK      |
| 91-20-3     | Naphthalene                    | ND        |      | ug/kg dry | 3.0                    | 12  | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 08/11/2015 08:17      | 08/11/2015 19:38      | BK      |
| 104-51-8    | n-Butylbenzene                 | ND        |      | ug/kg dry | 3.0                    | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 19:38      | BK      |
| 103-65-1    | n-Propylbenzene                | ND        |      | ug/kg dry | 3.0                    | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 19:38      | BK      |
| 95-47-6     | o-Xylene                       | ND        |      | ug/kg dry | 3.0                    | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 08/11/2015 08:17      | 08/11/2015 19:38      | BK      |
| 179601-23-1 | p- & m- Xylenes                | ND        |      | ug/kg dry | 5.9                    | 12  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 08/11/2015 08:17      | 08/11/2015 19:38      | BK      |



## Sample Information

**Client Sample ID:** Endpoint 15

**York Sample ID:** 15H0237-12

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 12:50 pm

Date Received  
08/07/2015

### Volatile Organics, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.                     | Parameter                        | Result        | Flag | Units     | Reported to<br>LOD/MDL  | LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|----------------------------------|---------------|------|-----------|-------------------------|-----|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 135-98-8                    | sec-Butylbenzene                 | ND            |      | ug/kg dry | 3.0                     | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 19:38      | BK      |
| 98-06-6                     | tert-Butylbenzene                | ND            |      | ug/kg dry | 3.0                     | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 19:38      | BK      |
| 127-18-4                    | Tetrachloroethylene              | ND            |      | ug/kg dry | 3.0                     | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 19:38      | BK      |
| 108-88-3                    | Toluene                          | ND            |      | ug/kg dry | 3.0                     | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 19:38      | BK      |
| 156-60-5                    | trans-1,2-Dichloroethylene       | ND            |      | ug/kg dry | 3.0                     | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 19:38      | BK      |
| 79-01-6                     | Trichloroethylene                | ND            |      | ug/kg dry | 3.0                     | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 19:38      | BK      |
| 75-01-4                     | Vinyl Chloride                   | ND            |      | ug/kg dry | 3.0                     | 5.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 19:38      | BK      |
| 1330-20-7                   | Xylenes, Total                   | ND            |      | ug/kg dry | 8.9                     | 18  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 19:38      | BK      |
| <b>Surrogate Recoveries</b> |                                  | <b>Result</b> |      |           | <b>Acceptance Range</b> |     |          |                                                              |                       |                       |         |
| 17060-07-0                  | Surrogate: 1,2-Dichloroethane-d4 | 118 %         |      |           | 77-125                  |     |          |                                                              |                       |                       |         |
| 2037-26-5                   | Surrogate: Toluene-d8            | 105 %         |      |           | 85-120                  |     |          |                                                              |                       |                       |         |
| 460-00-4                    | Surrogate: p-Bromofluorobenzene  | 94.3 %        |      |           | 76-130                  |     |          |                                                              |                       |                       |         |

### Semi-Volatiles, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter            | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|----------------------|--------|------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 83-32-9  | Acenaphthene         | ND     |      | ug/kg dry | 42.5                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 14:10      | KH      |
| 208-96-8 | Acenaphthylene       | ND     |      | ug/kg dry | 42.5                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 14:10      | KH      |
| 120-12-7 | Anthracene           | ND     |      | ug/kg dry | 42.5                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 14:10      | KH      |
| 56-55-3  | Benzo(a)anthracene   | ND     |      | ug/kg dry | 42.5                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 14:10      | KH      |
| 50-32-8  | Benzo(a)pyrene       | ND     |      | ug/kg dry | 42.5                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 14:10      | KH      |
| 205-99-2 | Benzo(b)fluoranthene | ND     |      | ug/kg dry | 42.5                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 14:10      | KH      |
| 191-24-2 | Benzo(g,h,i)perylene | ND     |      | ug/kg dry | 42.5                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 14:10      | KH      |
| 207-08-9 | Benzo(k)fluoranthene | ND     |      | ug/kg dry | 42.5                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 14:10      | KH      |
| 218-01-9 | Chrysene             | ND     |      | ug/kg dry | 42.5                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 14:10      | KH      |



## Sample Information

**Client Sample ID:** Endpoint 15

**York Sample ID:** 15H0237-12

**York Project (SDG) No.**  
15H0237

**Client Project ID**  
Roberto Clemente

**Matrix**  
Soil

**Collection Date/Time**  
August 6, 2015 12:50 pm

**Date Received**  
08/07/2015

### Semi-Volatiles, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter              | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|------------------------|--------|------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 53-70-3    | Dibenzo(a,h)anthracene | ND     |      | ug/kg dry | 42.5                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 14:10      | KH      |
| 132-64-9   | Dibenzofuran           | ND     |      | ug/kg dry | 42.5                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/13/2015 08:08      | 08/14/2015 14:10      | KH      |
| 206-44-0   | Fluoranthene           | ND     |      | ug/kg dry | 42.5                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 14:10      | KH      |
| 86-73-7    | Fluorene               | ND     |      | ug/kg dry | 42.5                   | 84.7 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP       | 08/13/2015 08:08      | 08/14/2015 14:10      | KH      |
| 118-74-1   | Hexachlorobenzene      | ND     |      | ug/kg dry | 42.5                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 14:10      | KH      |
| 193-39-5   | Indeno(1,2,3-cd)pyrene | ND     |      | ug/kg dry | 42.5                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 14:10      | KH      |
| 95-48-7    | 2-Methylphenol         | ND     |      | ug/kg dry | 42.5                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 14:10      | KH      |
| 65794-96-9 | 3- & 4-Methylphenols   | ND     |      | ug/kg dry | 42.5                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/13/2015 08:08      | 08/14/2015 14:10      | KH      |
| 91-20-3    | Naphthalene            | ND     |      | ug/kg dry | 42.5                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/13/2015 08:08      | 08/14/2015 14:10      | KH      |
| 87-86-5    | Pentachlorophenol      | ND     |      | ug/kg dry | 42.5                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 14:10      | KH      |
| 85-01-8    | Phenanthrene           | ND     |      | ug/kg dry | 42.5                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 14:10      | KH      |
| 108-95-2   | Phenol                 | ND     |      | ug/kg dry | 42.5                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 14:10      | KH      |
| 129-00-0   | Pyrene                 | ND     |      | ug/kg dry | 42.5                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 14:10      | KH      |

| Surrogate Recoveries |                                 | Result | Acceptance Range |
|----------------------|---------------------------------|--------|------------------|
| 367-12-4             | Surrogate: 2-Fluorophenol       | 58.1 % | 10-95            |
| 4165-62-2            | Surrogate: Phenol-d5            | 47.3 % | 10-107           |
| 4165-60-0            | Surrogate: Nitrobenzene-d5      | 50.7 % | 10-95            |
| 321-60-8             | Surrogate: 2-Fluorobiphenyl     | 49.4 % | 10-97            |
| 118-79-6             | Surrogate: 2,4,6-Tribromophenol | 53.8 % | 10-103           |
| 1718-51-0            | Surrogate: Terphenyl-d14        | 71.7 % | 19-99            |

### Pesticides, NYSDEC Part 375 Target List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|-----------|--------|------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 72-54-8 | 4,4'-DDD  | 89.8   |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:01      | AMC     |
| 72-55-9 | 4,4'-DDE  | 73.6   |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:01      | AMC     |



## Sample Information

**Client Sample ID:** Endpoint 15

**York Sample ID:** 15H0237-12

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 12:50 pm

Date Received  
08/07/2015

### Pesticides, NYSDEC Part 375 Target List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.              | Parameter                       | Result | Flag             | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------------------|---------------------------------|--------|------------------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 50-29-3              | 4,4'-DDT                        | 14.1   |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:01      | AMC     |
| 309-00-2             | Aldrin                          | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:01      | AMC     |
| 319-84-6             | alpha-BHC                       | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:01      | AMC     |
| 5103-71-9            | alpha-Chlordane                 | 10.1   |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP             | 08/12/2015 14:16      | 08/13/2015 21:01      | AMC     |
| 319-85-7             | beta-BHC                        | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:01      | AMC     |
| 319-86-8             | delta-BHC                       | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:01      | AMC     |
| 60-57-1              | Dieldrin                        | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:01      | AMC     |
| 959-98-8             | Endosulfan I                    | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:01      | AMC     |
| 33213-65-9           | Endosulfan II                   | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:01      | AMC     |
| 1031-07-8            | Endosulfan sulfate              | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:01      | AMC     |
| 72-20-8              | Endrin                          | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:01      | AMC     |
| 58-89-9              | gamma-BHC (Lindane)             | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:01      | AMC     |
| 76-44-8              | Heptachlor                      | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:01      | AMC     |
| Surrogate Recoveries |                                 | Result | Acceptance Range |           |         |                    |          |                                                              |                       |                       |         |
| 877-09-8             | Surrogate: Tetrachloro-m-xylene | 58.3 % | 30-140           |           |         |                    |          |                                                              |                       |                       |         |
| 2051-24-3            | Surrogate: Decachlorobiphenyl   | 62.4 % | 30-140           |           |         |                    |          |                                                              |                       |                       |         |

### Polychlorinated Biphenyls (PCB)

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter    | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|--------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 12674-11-2 | Aroclor 1016 | ND     |      | mg/kg dry | 0.0169  | 0.0169             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:58      | AMC     |
| 11104-28-2 | Aroclor 1221 | ND     |      | mg/kg dry | 0.0169  | 0.0169             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:58      | AMC     |
| 11141-16-5 | Aroclor 1232 | ND     |      | mg/kg dry | 0.0169  | 0.0169             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:58      | AMC     |
| 53469-21-9 | Aroclor 1242 | ND     |      | mg/kg dry | 0.0169  | 0.0169             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:58      | AMC     |



## Sample Information

**Client Sample ID:** Endpoint 15

**York Sample ID:** 15H0237-12

**York Project (SDG) No.**  
15H0237

**Client Project ID**  
Roberto Clemente

**Matrix**  
Soil

**Collection Date/Time**  
August 6, 2015 12:50 pm

**Date Received**  
08/07/2015

### Polychlorinated Biphenyls (PCB)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag | Units                   | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|------|-------------------------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 12672-29-6                  | Aroclor 1248                    | ND            |      | mg/kg dry               | 0.0169  | 0.0169             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:58      | AMC     |
| 11097-69-1                  | Aroclor 1254                    | ND            |      | mg/kg dry               | 0.0169  | 0.0169             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:58      | AMC     |
| 11096-82-5                  | <b>Aroclor 1260</b>             | <b>0.0576</b> |      | mg/kg dry               | 0.0169  | 0.0169             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 20:58      | AMC     |
| 1336-36-3                   | <b>* Total PCBs</b>             | <b>0.0576</b> |      | mg/kg dry               | 0.0169  | 0.0169             | 1        | EPA 8082A<br>Certifications:                                 | 08/12/2015 14:16      | 08/13/2015 20:58      | AMC     |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> |      | <b>Acceptance Range</b> |         |                    |          |                                                              |                       |                       |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 67.2 %        |      | 30-140                  |         |                    |          |                                                              |                       |                       |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 56.5 %        |      | 30-140                  |         |                    |          |                                                              |                       |                       |         |

### Herbicides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

| CAS No.                     | Parameter                                       | Result        | Flag | Units                   | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|-------------------------------------------------|---------------|------|-------------------------|---------|--------------------|----------|----------------------------------------------------------------|-----------------------|-----------------------|---------|
| 93-72-1                     | 2,4,5-TP (Silvex)                               | ND            |      | ug/kg dry               | 20.3    | 20.3               | 1        | EPA 8151A m<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 05:51      | 08/14/2015 10:30      | AMC     |
| <b>Surrogate Recoveries</b> |                                                 | <b>Result</b> |      | <b>Acceptance Range</b> |         |                    |          |                                                                |                       |                       |         |
| 19719-28-9                  | Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) | 97.0 %        |      | 30-150                  |         |                    |          |                                                                |                       |                       |         |

### Metals, NYSDEC Part 375

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter        | Result       | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|------------------|--------------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7440-38-2 | <b>Arsenic</b>   | <b>3.17</b>  |      | mg/kg dry | 1.02    | 1.02               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:54      | ALD     |
| 7440-39-3 | <b>Barium</b>    | <b>18.3</b>  |      | mg/kg dry | 1.02    | 1.02               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:54      | ALD     |
| 7440-41-7 | Beryllium        | ND           |      | mg/kg dry | 0.102   | 0.102              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 15:54      | ALD     |
| 7440-43-9 | <b>Cadmium</b>   | <b>0.324</b> |      | mg/kg dry | 0.305   | 0.305              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:54      | ALD     |
| 7440-47-3 | <b>Chromium</b>  | <b>5.59</b>  |      | mg/kg dry | 0.508   | 0.508              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:54      | ALD     |
| 7440-50-8 | <b>Copper</b>    | <b>8.20</b>  |      | mg/kg dry | 0.508   | 0.508              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 15:54      | ALD     |
| 7439-92-1 | <b>Lead</b>      | <b>90.5</b>  |      | mg/kg dry | 0.305   | 0.305              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:54      | ALD     |
| 7439-96-5 | <b>Manganese</b> | <b>45.8</b>  |      | mg/kg dry | 0.508   | 0.508              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 15:54      | ALD     |
| 7440-02-0 | <b>Nickel</b>    | <b>4.30</b>  |      | mg/kg dry | 0.508   | 0.508              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:54      | ALD     |



## Sample Information

**Client Sample ID:** Endpoint 15

**York Sample ID:** 15H0237-12

**York Project (SDG) No.**  
15H0237

**Client Project ID**  
Roberto Clemente

**Matrix**  
Soil

**Collection Date/Time**  
August 6, 2015 12:50 pm

**Date Received**  
08/07/2015

### Metals, NYSDEC Part 375

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7782-49-2 | Selenium  | ND     |      | mg/kg dry | 1.02    | 1.02               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:54      | ALD     |
| 7440-22-4 | Silver    | ND     |      | mg/kg dry | 0.508   | 0.508              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:54      | ALD     |
| 7440-66-6 | Zinc      | 159    |      | mg/kg dry | 1.02    | 1.02               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 15:54      | ALD     |

### Mercury by 7473

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7439-97-6 | Mercury   | 0.0502 |      | mg/kg dry | 0.0305  | 0.0305             | 1        | EPA 7473<br>Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 08/11/2015 08:39      | 08/11/2015 12:55      | KV      |

### Total Solids

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter  | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                  | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|------------|--------|------|-------|---------|--------------------|----------|-----------------------------------|-----------------------|-----------------------|---------|
| solids  | * % Solids | 98.4   |      | %     | 0.100   | 0.100              | 1        | SM 2540G<br>Certifications: CTDOH | 08/10/2015 10:37      | 08/10/2015 18:15      | KK      |

### Chromium, Hexavalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW846-3060

| CAS No.    | Parameter            | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                       | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|----------------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------|-----------------------|-----------------------|---------|
| 18540-29-9 | Chromium, Hexavalent | ND     |      | mg/kg dry | 0.356   | 0.508              | 1        | EPA 7196A<br>Certifications: NJDEP,CTDOH,NELAC-NY10854 | 08/10/2015 07:42      | 08/10/2015 13:20      | SC      |

### Chromium, Trivalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

| CAS No.    | Parameter             | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|-----------------------|--------|------|-------|---------|--------------------|----------|--------------------------------|-----------------------|-----------------------|---------|
| 16065-83-1 | * Chromium, Trivalent | 5.59   |      | mg/kg | 0.250   | 0.500              | 1        | Calculation<br>Certifications: | 08/14/2015 13:00      | 08/14/2015 16:06      | SC      |

### Cyanide, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

| CAS No. | Parameter      | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|----------------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 57-12-5 | Cyanide, total | ND     |      | mg/kg dry | 0.508   | 0.508              | 1        | EPA 9014/9010C<br>Certifications: NELAC-NY10854,CTDOH,NJDEP | 08/14/2015 11:09      | 08/14/2015 16:19      | AD      |





## Sample Information

**Client Sample ID:** Endpoint 16

**York Sample ID:** 15H0237-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15H0237

Roberto Clemente

Soil

August 6, 2015 1:00 pm

08/07/2015

### Volatile Organics, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.   | Parameter                      | Result    | Flag | Units     | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|--------------------------------|-----------|------|-----------|------------------------|-----|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 71-55-6   | 1,1,1-Trichloroethane          | ND        |      | ug/kg dry | 2.9                    | 5.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 20:20      | BK      |
| 75-34-3   | 1,1-Dichloroethane             | ND        |      | ug/kg dry | 2.9                    | 5.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 20:20      | BK      |
| 75-35-4   | 1,1-Dichloroethylene           | ND        |      | ug/kg dry | 2.9                    | 5.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 20:20      | BK      |
| 95-63-6   | 1,2,4-Trimethylbenzene         | ND        |      | ug/kg dry | 2.9                    | 5.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 20:20      | BK      |
| 95-50-1   | 1,2-Dichlorobenzene            | ND        |      | ug/kg dry | 2.9                    | 5.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 20:20      | BK      |
| 107-06-2  | 1,2-Dichloroethane             | ND        |      | ug/kg dry | 2.9                    | 5.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 20:20      | BK      |
| 108-67-8  | 1,3,5-Trimethylbenzene         | ND        |      | ug/kg dry | 2.9                    | 5.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 20:20      | BK      |
| 541-73-1  | 1,3-Dichlorobenzene            | ND        |      | ug/kg dry | 2.9                    | 5.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 20:20      | BK      |
| 106-46-7  | 1,4-Dichlorobenzene            | ND        |      | ug/kg dry | 2.9                    | 5.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 20:20      | BK      |
| 123-91-1  | 1,4-Dioxane                    | ND        |      | ug/kg dry | 57                     | 110 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 08/11/2015 08:17      | 08/11/2015 20:20      | BK      |
| 78-93-3   | 2-Butanone                     | ND        |      | ug/kg dry | 2.9                    | 5.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 20:20      | BK      |
| 67-64-1   | Acetone                        | ND        |      | ug/kg dry | 5.7                    | 11  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 20:20      | BK      |
| 71-43-2   | Benzene                        | ND        |      | ug/kg dry | 2.9                    | 5.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 20:20      | BK      |
| 56-23-5   | Carbon tetrachloride           | ND        |      | ug/kg dry | 2.9                    | 5.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 20:20      | BK      |
| 108-90-7  | Chlorobenzene                  | ND        |      | ug/kg dry | 2.9                    | 5.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 20:20      | BK      |
| 67-66-3   | Chloroform                     | ND        |      | ug/kg dry | 2.9                    | 5.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 20:20      | BK      |
| 156-59-2  | cis-1,2-Dichloroethylene       | ND        |      | ug/kg dry | 2.9                    | 5.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 20:20      | BK      |
| 100-41-4  | Ethyl Benzene                  | ND        |      | ug/kg dry | 2.9                    | 5.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 20:20      | BK      |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND        |      | ug/kg dry | 2.9                    | 5.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 20:20      | BK      |
| 75-09-2   | <b>Methylene chloride</b>      | <b>16</b> |      | ug/kg dry | 5.7                    | 11  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 20:20      | BK      |
| 91-20-3   | Naphthalene                    | ND        |      | ug/kg dry | 2.9                    | 11  | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 08/11/2015 08:17      | 08/11/2015 20:20      | BK      |





## Sample Information

**Client Sample ID:** Endpoint 16

**York Sample ID:** 15H0237-13

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 1:00 pm

Date Received  
08/07/2015

### Volatile Organics, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.     | Parameter                  | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-------------|----------------------------|--------|------|-----------|------------------------|-----|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 104-51-8    | n-Butylbenzene             | ND     |      | ug/kg dry | 2.9                    | 5.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 20:20      | BK      |
| 103-65-1    | n-Propylbenzene            | ND     |      | ug/kg dry | 2.9                    | 5.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 20:20      | BK      |
| 95-47-6     | o-Xylene                   | ND     |      | ug/kg dry | 2.9                    | 5.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 08/11/2015 08:17      | 08/11/2015 20:20      | BK      |
| 179601-23-1 | p- & m- Xylenes            | ND     |      | ug/kg dry | 5.7                    | 11  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 08/11/2015 08:17      | 08/11/2015 20:20      | BK      |
| 135-98-8    | sec-Butylbenzene           | ND     |      | ug/kg dry | 2.9                    | 5.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 20:20      | BK      |
| 98-06-6     | tert-Butylbenzene          | ND     |      | ug/kg dry | 2.9                    | 5.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 20:20      | BK      |
| 127-18-4    | Tetrachloroethylene        | ND     |      | ug/kg dry | 2.9                    | 5.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 20:20      | BK      |
| 108-88-3    | Toluene                    | ND     |      | ug/kg dry | 2.9                    | 5.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 20:20      | BK      |
| 156-60-5    | trans-1,2-Dichloroethylene | ND     |      | ug/kg dry | 2.9                    | 5.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 20:20      | BK      |
| 79-01-6     | Trichloroethylene          | ND     |      | ug/kg dry | 2.9                    | 5.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 20:20      | BK      |
| 75-01-4     | Vinyl Chloride             | ND     |      | ug/kg dry | 2.9                    | 5.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 20:20      | BK      |
| 1330-20-7   | Xylenes, Total             | ND     |      | ug/kg dry | 8.6                    | 17  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 20:20      | BK      |

| Surrogate Recoveries |                                  | Result | Acceptance Range |
|----------------------|----------------------------------|--------|------------------|
| 17060-07-0           | Surrogate: 1,2-Dichloroethane-d4 | 113 %  | 77-125           |
| 2037-26-5            | Surrogate: Toluene-d8            | 104 %  | 85-120           |
| 460-00-4             | Surrogate: p-Bromofluorobenzene  | 96.4 % | 76-130           |

### Semi-Volatiles, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter          | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|--------------------|--------|------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 83-32-9  | Acenaphthene       | ND     |      | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 14:42      | KH      |
| 208-96-8 | Acenaphthylene     | ND     |      | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 14:42      | KH      |
| 120-12-7 | Anthracene         | ND     |      | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 14:42      | KH      |
| 56-55-3  | Benzo(a)anthracene | ND     |      | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 14:42      | KH      |
| 50-32-8  | Benzo(a)pyrene     | ND     |      | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 14:42      | KH      |



## Sample Information

**Client Sample ID:** Endpoint 16

**York Sample ID:** 15H0237-13

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 1:00 pm

Date Received  
08/07/2015

### Semi-Volatiles, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter              | Result      | Flag | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|------------------------|-------------|------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 205-99-2   | Benzo(b)fluoranthene   | ND          |      | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 14:42      | KH      |
| 191-24-2   | Benzo(g,h,i)perylene   | ND          |      | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 14:42      | KH      |
| 207-08-9   | Benzo(k)fluoranthene   | ND          |      | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 14:42      | KH      |
| 218-01-9   | Chrysene               | ND          |      | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 14:42      | KH      |
| 53-70-3    | Dibenzo(a,h)anthracene | ND          |      | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 14:42      | KH      |
| 132-64-9   | Dibenzofuran           | ND          |      | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/13/2015 08:08      | 08/14/2015 14:42      | KH      |
| 206-44-0   | <b>Fluoranthene</b>    | <b>128</b>  |      | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 14:42      | KH      |
| 86-73-7    | Fluorene               | ND          |      | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP       | 08/13/2015 08:08      | 08/14/2015 14:42      | KH      |
| 118-74-1   | Hexachlorobenzene      | ND          |      | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 14:42      | KH      |
| 193-39-5   | Indeno(1,2,3-cd)pyrene | ND          |      | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 14:42      | KH      |
| 95-48-7    | 2-Methylphenol         | ND          |      | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 14:42      | KH      |
| 65794-96-9 | 3- & 4-Methylphenols   | ND          |      | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/13/2015 08:08      | 08/14/2015 14:42      | KH      |
| 91-20-3    | Naphthalene            | ND          |      | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/13/2015 08:08      | 08/14/2015 14:42      | KH      |
| 87-86-5    | Pentachlorophenol      | ND          |      | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 14:42      | KH      |
| 85-01-8    | <b>Phenanthrene</b>    | <b>65.5</b> | J    | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 14:42      | KH      |
| 108-95-2   | Phenol                 | ND          |      | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 14:42      | KH      |
| 129-00-0   | Pyrene                 | ND          |      | ug/kg dry | 42.8                   | 85.4 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/14/2015 14:42      | KH      |

| Surrogate Recoveries |                                 | Result | Acceptance Range |
|----------------------|---------------------------------|--------|------------------|
| 367-12-4             | Surrogate: 2-Fluorophenol       | 84.6 % | 10-95            |
| 4165-62-2            | Surrogate: Phenol-d5            | 71.1 % | 10-107           |
| 4165-60-0            | Surrogate: Nitrobenzene-d5      | 76.4 % | 10-95            |
| 321-60-8             | Surrogate: 2-Fluorobiphenyl     | 73.0 % | 10-97            |
| 118-79-6             | Surrogate: 2,4,6-Tribromophenol | 80.3 % | 10-103           |
| 1718-51-0            | Surrogate: Terphenyl-d14        | 106 %  | IS-06 19-99      |



## Sample Information

**Client Sample ID:** Endpoint 16

**York Sample ID:** 15H0237-13

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 1:00 pm

Date Received  
08/07/2015

### Pesticides, NYSDEC Part 375 Target List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.              | Parameter                       | Result | Flag             | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------------------|---------------------------------|--------|------------------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 72-54-8              | 4,4'-DDD                        | 51.5   |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:16      | AMC     |
| 72-55-9              | 4,4'-DDE                        | 87.3   |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:16      | AMC     |
| 50-29-3              | 4,4'-DDT                        | 30.1   |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:16      | AMC     |
| 309-00-2             | Aldrin                          | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:16      | AMC     |
| 319-84-6             | alpha-BHC                       | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:16      | AMC     |
| 5103-71-9            | alpha-Chlordane                 | 12.6   |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP             | 08/12/2015 14:16      | 08/13/2015 21:16      | AMC     |
| 319-85-7             | beta-BHC                        | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:16      | AMC     |
| 319-86-8             | delta-BHC                       | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:16      | AMC     |
| 60-57-1              | Dieldrin                        | 7.46   |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:16      | AMC     |
| 959-98-8             | Endosulfan I                    | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:16      | AMC     |
| 33213-65-9           | Endosulfan II                   | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:16      | AMC     |
| 1031-07-8            | Endosulfan sulfate              | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:16      | AMC     |
| 72-20-8              | Endrin                          | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:16      | AMC     |
| 58-89-9              | gamma-BHC (Lindane)             | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:16      | AMC     |
| 76-44-8              | Heptachlor                      | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:16      | AMC     |
| Surrogate Recoveries |                                 | Result | Acceptance Range |           |         |                    |          |                                                              |                       |                       |         |
| 877-09-8             | Surrogate: Tetrachloro-m-xylene | 48.4 % | 30-140           |           |         |                    |          |                                                              |                       |                       |         |
| 2051-24-3            | Surrogate: Decachlorobiphenyl   | 57.4 % | 30-140           |           |         |                    |          |                                                              |                       |                       |         |

### Polychlorinated Biphenyls (PCB)

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter    | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|--------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 12674-11-2 | Aroclor 1016 | ND     |      | mg/kg dry | 0.0171  | 0.0171             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:17      | AMC     |
| 11104-28-2 | Aroclor 1221 | ND     |      | mg/kg dry | 0.0171  | 0.0171             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:17      | AMC     |



## Sample Information

**Client Sample ID:** Endpoint 16

**York Sample ID:** 15H0237-13

**York Project (SDG) No.**  
15H0237

**Client Project ID**  
Roberto Clemente

**Matrix**  
Soil

**Collection Date/Time**  
August 6, 2015 1:00 pm

**Date Received**  
08/07/2015

### Polychlorinated Biphenyls (PCB)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.              | Parameter                       | Result | Flag             | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------------------|---------------------------------|--------|------------------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 11141-16-5           | Aroclor 1232                    | ND     |                  | mg/kg dry | 0.0171  | 0.0171             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:17      | AMC     |
| 53469-21-9           | Aroclor 1242                    | 0.110  |                  | mg/kg dry | 0.0171  | 0.0171             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:17      | AMC     |
| 12672-29-6           | Aroclor 1248                    | ND     |                  | mg/kg dry | 0.0171  | 0.0171             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:17      | AMC     |
| 11097-69-1           | Aroclor 1254                    | ND     |                  | mg/kg dry | 0.0171  | 0.0171             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:17      | AMC     |
| 11096-82-5           | Aroclor 1260                    | ND     |                  | mg/kg dry | 0.0171  | 0.0171             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:17      | AMC     |
| 1336-36-3            | * Total PCBs                    | 0.110  |                  | mg/kg dry | 0.0171  | 0.0171             | 1        | EPA 8082A<br>Certifications:                                 | 08/12/2015 14:16      | 08/13/2015 21:17      | AMC     |
| Surrogate Recoveries |                                 | Result | Acceptance Range |           |         |                    |          |                                                              |                       |                       |         |
| 877-09-8             | Surrogate: Tetrachloro-m-xylene | 66.2 % | 30-140           |           |         |                    |          |                                                              |                       |                       |         |
| 2051-24-3            | Surrogate: Decachlorobiphenyl   | 66.2 % | 30-140           |           |         |                    |          |                                                              |                       |                       |         |

### Herbicides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

| CAS No.              | Parameter                                       | Result | Flag             | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------------------|-------------------------------------------------|--------|------------------|-----------|---------|--------------------|----------|----------------------------------------------------------------|-----------------------|-----------------------|---------|
| 93-72-1              | 2,4,5-TP (Silvex)                               | ND     |                  | ug/kg dry | 20.5    | 20.5               | 1        | EPA 8151A m<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 05:51      | 08/14/2015 10:45      | AMC     |
| Surrogate Recoveries |                                                 | Result | Acceptance Range |           |         |                    |          |                                                                |                       |                       |         |
| 19719-28-9           | Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) | 105 %  | 30-150           |           |         |                    |          |                                                                |                       |                       |         |

### Metals, NYSDEC Part 375

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7440-38-2 | Arsenic   | 2.69   |      | mg/kg dry | 1.02    | 1.02               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:59      | ALD     |
| 7440-39-3 | Barium    | 34.1   |      | mg/kg dry | 1.02    | 1.02               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:59      | ALD     |
| 7440-41-7 | Beryllium | ND     |      | mg/kg dry | 0.102   | 0.102              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 15:59      | ALD     |
| 7440-43-9 | Cadmium   | 0.632  |      | mg/kg dry | 0.307   | 0.307              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:59      | ALD     |
| 7440-47-3 | Chromium  | 9.92   |      | mg/kg dry | 0.512   | 0.512              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:59      | ALD     |
| 7440-50-8 | Copper    | 15.7   |      | mg/kg dry | 0.512   | 0.512              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 15:59      | ALD     |
| 7439-92-1 | Lead      | 70.1   |      | mg/kg dry | 0.307   | 0.307              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:59      | ALD     |



## Sample Information

**Client Sample ID:** Endpoint 16

**York Sample ID:** 15H0237-13

York Project (SDG) No.

15H0237

Client Project ID

Roberto Clemente

Matrix

Soil

Collection Date/Time

August 6, 2015 1:00 pm

Date Received

08/07/2015

### Metals, NYSDEC Part 375

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7439-96-5 | Manganese | 140    |      | mg/kg dry | 0.512   | 0.512              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 15:59      | ALD     |
| 7440-02-0 | Nickel    | 6.76   |      | mg/kg dry | 0.512   | 0.512              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:59      | ALD     |
| 7782-49-2 | Selenium  | 1.16   |      | mg/kg dry | 1.02    | 1.02               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:59      | ALD     |
| 7440-22-4 | Silver    | ND     |      | mg/kg dry | 0.512   | 0.512              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 15:59      | ALD     |
| 7440-66-6 | Zinc      | 94.5   |      | mg/kg dry | 1.02    | 1.02               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 15:59      | ALD     |

### Mercury by 7473

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7439-97-6 | Mercury   | 0.0693 |      | mg/kg dry | 0.0307  | 0.0307             | 1        | EPA 7473<br>Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 08/11/2015 08:39      | 08/11/2015 13:04      | KV      |

### Total Solids

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter  | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                  | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|------------|--------|------|-------|---------|--------------------|----------|-----------------------------------|-----------------------|-----------------------|---------|
| solids  | * % Solids | 97.7   |      | %     | 0.100   | 0.100              | 1        | SM 2540G<br>Certifications: CTDOH | 08/10/2015 10:37      | 08/10/2015 18:15      | KK      |

### Chromium, Hexavalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW846-3060

| CAS No.    | Parameter            | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                       | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|----------------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------|-----------------------|-----------------------|---------|
| 18540-29-9 | Chromium, Hexavalent | ND     |      | mg/kg dry | 0.358   | 0.512              | 1        | EPA 7196A<br>Certifications: NJDEP,CTDOH,NELAC-NY10854 | 08/10/2015 07:42      | 08/10/2015 13:20      | SC      |

### Chromium, Trivalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

| CAS No.    | Parameter             | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|-----------------------|--------|------|-------|---------|--------------------|----------|--------------------------------|-----------------------|-----------------------|---------|
| 16065-83-1 | * Chromium, Trivalent | 9.92   |      | mg/kg | 0.250   | 0.500              | 1        | Calculation<br>Certifications: | 08/14/2015 13:00      | 08/14/2015 16:06      | SC      |

### Cyanide, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|-----------|--------|------|-------|---------|--------------------|----------|------------------|-----------------------|-----------------------|---------|
|---------|-----------|--------|------|-------|---------|--------------------|----------|------------------|-----------------------|-----------------------|---------|



## Sample Information

**Client Sample ID:** Endpoint 16

**York Sample ID:** 15H0237-13

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 1:00 pm

Date Received  
08/07/2015

### Cyanide, Total

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

| CAS No. | Parameter      | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|----------------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 57-12-5 | Cyanide, total | ND     |      | mg/kg dry | 0.512   | 0.512              | 1        | EPA 9014/9010C<br>Certifications: NELAC-NY10854,CTDOH,NJDEP | 08/14/2015 11:09      | 08/14/2015 16:19      | AD      |

## Sample Information

**Client Sample ID:** Endpoint 17

**York Sample ID:** 15H0237-14

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 1:20 pm

Date Received  
08/07/2015

### Volatile Organics, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.  | Parameter              | Result | Flag   | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|------------------------|--------|--------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 71-55-6  | 1,1,1-Trichloroethane  | ND     |        | ug/kg dry | 3.8     | 7.5                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 21:02      | BK      |
| 75-34-3  | 1,1-Dichloroethane     | ND     |        | ug/kg dry | 3.8     | 7.5                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 21:02      | BK      |
| 75-35-4  | 1,1-Dichloroethylene   | ND     |        | ug/kg dry | 3.8     | 7.5                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 21:02      | BK      |
| 95-63-6  | 1,2,4-Trimethylbenzene | ND     |        | ug/kg dry | 3.8     | 7.5                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 21:02      | BK      |
| 95-50-1  | 1,2-Dichlorobenzene    | ND     |        | ug/kg dry | 3.8     | 7.5                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 21:02      | BK      |
| 107-06-2 | 1,2-Dichloroethane     | ND     |        | ug/kg dry | 3.8     | 7.5                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 21:02      | BK      |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND     |        | ug/kg dry | 3.8     | 7.5                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 21:02      | BK      |
| 541-73-1 | 1,3-Dichlorobenzene    | ND     |        | ug/kg dry | 3.8     | 7.5                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 21:02      | BK      |
| 106-46-7 | 1,4-Dichlorobenzene    | ND     |        | ug/kg dry | 3.8     | 7.5                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 21:02      | BK      |
| 123-91-1 | 1,4-Dioxane            | ND     |        | ug/kg dry | 75      | 150                | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 08/11/2015 08:17      | 08/11/2015 21:02      | BK      |
| 78-93-3  | 2-Butanone             | ND     |        | ug/kg dry | 3.8     | 7.5                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 21:02      | BK      |
| 67-64-1  | Acetone                | 15     | SCAL-E | ug/kg dry | 7.5     | 15                 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 21:02      | BK      |
| 71-43-2  | Benzene                | ND     |        | ug/kg dry | 3.8     | 7.5                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 21:02      | BK      |
| 56-23-5  | Carbon tetrachloride   | ND     |        | ug/kg dry | 3.8     | 7.5                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 21:02      | BK      |



## Sample Information

**Client Sample ID:** Endpoint 17

**York Sample ID:** 15H0237-14

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 1:20 pm

Date Received  
08/07/2015

### Volatile Organics, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.     | Parameter                      | Result    | Flag | Units     | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-------------|--------------------------------|-----------|------|-----------|------------------------|-----|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 108-90-7    | Chlorobenzene                  | ND        |      | ug/kg dry | 3.8                    | 7.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 21:02      | BK      |
| 67-66-3     | Chloroform                     | ND        |      | ug/kg dry | 3.8                    | 7.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 21:02      | BK      |
| 156-59-2    | cis-1,2-Dichloroethylene       | ND        |      | ug/kg dry | 3.8                    | 7.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 21:02      | BK      |
| 100-41-4    | Ethyl Benzene                  | ND        |      | ug/kg dry | 3.8                    | 7.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 21:02      | BK      |
| 1634-04-4   | Methyl tert-butyl ether (MTBE) | ND        |      | ug/kg dry | 3.8                    | 7.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 21:02      | BK      |
| 75-09-2     | <b>Methylene chloride</b>      | <b>24</b> |      | ug/kg dry | 7.5                    | 15  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 21:02      | BK      |
| 91-20-3     | Naphthalene                    | ND        |      | ug/kg dry | 3.8                    | 15  | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 08/11/2015 08:17      | 08/11/2015 21:02      | BK      |
| 104-51-8    | n-Butylbenzene                 | ND        |      | ug/kg dry | 3.8                    | 7.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 21:02      | BK      |
| 103-65-1    | n-Propylbenzene                | ND        |      | ug/kg dry | 3.8                    | 7.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 21:02      | BK      |
| 95-47-6     | o-Xylene                       | ND        |      | ug/kg dry | 3.8                    | 7.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 08/11/2015 08:17      | 08/11/2015 21:02      | BK      |
| 179601-23-1 | p- & m- Xylenes                | ND        |      | ug/kg dry | 7.5                    | 15  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 08/11/2015 08:17      | 08/11/2015 21:02      | BK      |
| 135-98-8    | sec-Butylbenzene               | ND        |      | ug/kg dry | 3.8                    | 7.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 21:02      | BK      |
| 98-06-6     | tert-Butylbenzene              | ND        |      | ug/kg dry | 3.8                    | 7.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 21:02      | BK      |
| 127-18-4    | Tetrachloroethylene            | ND        |      | ug/kg dry | 3.8                    | 7.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 21:02      | BK      |
| 108-88-3    | Toluene                        | ND        |      | ug/kg dry | 3.8                    | 7.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 21:02      | BK      |
| 156-60-5    | trans-1,2-Dichloroethylene     | ND        |      | ug/kg dry | 3.8                    | 7.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 21:02      | BK      |
| 79-01-6     | Trichloroethylene              | ND        |      | ug/kg dry | 3.8                    | 7.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 21:02      | BK      |
| 75-01-4     | Vinyl Chloride                 | ND        |      | ug/kg dry | 3.8                    | 7.5 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 21:02      | BK      |
| 1330-20-7   | Xylenes, Total                 | ND        |      | ug/kg dry | 11                     | 23  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 21:02      | BK      |

|            | Surrogate Recoveries             | Result | Acceptance Range |
|------------|----------------------------------|--------|------------------|
| 17060-07-0 | Surrogate: 1,2-Dichloroethane-d4 | 115 %  | 77-125           |
| 2037-26-5  | Surrogate: Toluene-d8            | 103 %  | 85-120           |
| 460-00-4   | Surrogate: p-Bromofluorobenzene  | 92.3 % | 76-130           |





## Sample Information

**Client Sample ID:** Endpoint 17

**York Sample ID:** 15H0237-14

**York Project (SDG) No.**  
15H0237

**Client Project ID**  
Roberto Clemente

**Matrix**  
Soil

**Collection Date/Time**  
August 6, 2015 1:20 pm

**Date Received**  
08/07/2015

### Semi-Volatiles, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter              | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|------------------------|--------|------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 83-32-9    | Acenaphthene           | ND     |      | ug/kg dry | 41.9                   | 83.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 18:04      | SR      |
| 208-96-8   | Acenaphthylene         | ND     |      | ug/kg dry | 41.9                   | 83.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 18:04      | SR      |
| 120-12-7   | Anthracene             | ND     |      | ug/kg dry | 41.9                   | 83.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 18:04      | SR      |
| 56-55-3    | Benzo(a)anthracene     | ND     |      | ug/kg dry | 41.9                   | 83.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 18:04      | SR      |
| 50-32-8    | Benzo(a)pyrene         | ND     |      | ug/kg dry | 41.9                   | 83.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 18:04      | SR      |
| 205-99-2   | Benzo(b)fluoranthene   | ND     |      | ug/kg dry | 41.9                   | 83.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 18:04      | SR      |
| 191-24-2   | Benzo(g,h,i)perylene   | ND     |      | ug/kg dry | 41.9                   | 83.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 18:04      | SR      |
| 207-08-9   | Benzo(k)fluoranthene   | ND     |      | ug/kg dry | 41.9                   | 83.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 18:04      | SR      |
| 218-01-9   | Chrysene               | ND     |      | ug/kg dry | 41.9                   | 83.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 18:04      | SR      |
| 53-70-3    | Dibenzo(a,h)anthracene | ND     |      | ug/kg dry | 41.9                   | 83.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 18:04      | SR      |
| 132-64-9   | Dibenzofuran           | ND     |      | ug/kg dry | 41.9                   | 83.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/13/2015 08:08      | 08/13/2015 18:04      | SR      |
| 206-44-0   | Fluoranthene           | ND     |      | ug/kg dry | 41.9                   | 83.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 18:04      | SR      |
| 86-73-7    | Fluorene               | ND     |      | ug/kg dry | 41.9                   | 83.7 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP       | 08/13/2015 08:08      | 08/13/2015 18:04      | SR      |
| 118-74-1   | Hexachlorobenzene      | ND     |      | ug/kg dry | 41.9                   | 83.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 18:04      | SR      |
| 193-39-5   | Indeno(1,2,3-cd)pyrene | ND     |      | ug/kg dry | 41.9                   | 83.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 18:04      | SR      |
| 95-48-7    | 2-Methylphenol         | ND     |      | ug/kg dry | 41.9                   | 83.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 18:04      | SR      |
| 65794-96-9 | 3- & 4-Methylphenols   | ND     |      | ug/kg dry | 41.9                   | 83.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/13/2015 08:08      | 08/13/2015 18:04      | SR      |
| 91-20-3    | Naphthalene            | ND     |      | ug/kg dry | 41.9                   | 83.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/13/2015 08:08      | 08/13/2015 18:04      | SR      |
| 87-86-5    | Pentachlorophenol      | ND     |      | ug/kg dry | 41.9                   | 83.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 18:04      | SR      |
| 85-01-8    | Phenanthrene           | ND     |      | ug/kg dry | 41.9                   | 83.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 18:04      | SR      |
| 108-95-2   | Phenol                 | ND     |      | ug/kg dry | 41.9                   | 83.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 18:04      | SR      |
| 129-00-0   | Pyrene                 | ND     |      | ug/kg dry | 41.9                   | 83.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 18:04      | SR      |





## Sample Information

**Client Sample ID:** Endpoint 17

**York Sample ID:** 15H0237-14

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 1:20 pm

Date Received  
08/07/2015

### Semi-Volatiles, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.              | Parameter                       | Result | Flag             | Units | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------------------|---------------------------------|--------|------------------|-------|------------------------|-----|----------|------------------|-----------------------|-----------------------|---------|
| Surrogate Recoveries |                                 | Result | Acceptance Range |       |                        |     |          |                  |                       |                       |         |
| 367-12-4             | Surrogate: 2-Fluorophenol       | 55.9 % |                  |       |                        |     |          |                  |                       |                       |         |
| 4165-62-2            | Surrogate: Phenol-d5            | 56.9 % |                  |       |                        |     |          |                  |                       |                       |         |
| 4165-60-0            | Surrogate: Nitrobenzene-d5      | 54.9 % |                  |       |                        |     |          |                  |                       |                       |         |
| 321-60-8             | Surrogate: 2-Fluorobiphenyl     | 56.6 % |                  |       |                        |     |          |                  |                       |                       |         |
| 118-79-6             | Surrogate: 2,4,6-Tribromophenol | 36.8 % |                  |       |                        |     |          |                  |                       |                       |         |
| 1718-51-0            | Surrogate: Terphenyl-d14        | 64.6 % |                  |       |                        |     |          |                  |                       |                       |         |

### Pesticides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.              | Parameter           | Result | Flag             | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------------------|---------------------|--------|------------------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 72-54-8              | 4,4'-DDD            | ND     |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:31      | AMC     |
| 72-55-9              | 4,4'-DDE            | 2.39   |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:31      | AMC     |
| 50-29-3              | 4,4'-DDT            | 4.13   |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:31      | AMC     |
| 309-00-2             | Aldrin              | ND     |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:31      | AMC     |
| 319-84-6             | alpha-BHC           | ND     |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:31      | AMC     |
| 5103-71-9            | alpha-Chlordane     | 3.69   |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP             | 08/12/2015 14:16      | 08/13/2015 21:31      | AMC     |
| 319-85-7             | beta-BHC            | ND     |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:31      | AMC     |
| 319-86-8             | delta-BHC           | ND     |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:31      | AMC     |
| 60-57-1              | Dieldrin            | ND     |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:31      | AMC     |
| 959-98-8             | Endosulfan I        | ND     |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:31      | AMC     |
| 33213-65-9           | Endosulfan II       | ND     |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:31      | AMC     |
| 1031-07-8            | Endosulfan sulfate  | ND     |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:31      | AMC     |
| 72-20-8              | Endrin              | ND     |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:31      | AMC     |
| 58-89-9              | gamma-BHC (Lindane) | ND     |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:31      | AMC     |
| 76-44-8              | Heptachlor          | ND     |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:31      | AMC     |
| Surrogate Recoveries |                     | Result | Acceptance Range |           |                        |      |          |                                                              |                       |                       |         |



## Sample Information

**Client Sample ID:** Endpoint 17

**York Sample ID:** 15H0237-14

**York Project (SDG) No.**  
15H0237

**Client Project ID**  
Roberto Clemente

**Matrix**  
Soil

**Collection Date/Time**  
August 6, 2015 1:20 pm

**Date Received**  
08/07/2015

### Pesticides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.   | Parameter                       | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|---------------------------------|--------|------|-------|---------|--------------------|----------|------------------|-----------------------|-----------------------|---------|
| 877-09-8  | Surrogate: Tetrachloro-m-xylene | 33.5 % |      |       | 30-140  |                    |          |                  |                       |                       |         |
| 2051-24-3 | Surrogate: Decachlorobiphenyl   | 66.6 % |      |       | 30-140  |                    |          |                  |                       |                       |         |

### Polychlorinated Biphenyls (PCB)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag | Units     | LOD/MDL                 | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|------|-----------|-------------------------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 12674-11-2                  | Aroclor 1016                    | ND            |      | mg/kg dry | 0.0167                  | 0.0167             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:56      | AMC     |
| 11104-28-2                  | Aroclor 1221                    | ND            |      | mg/kg dry | 0.0167                  | 0.0167             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:56      | AMC     |
| 11141-16-5                  | Aroclor 1232                    | ND            |      | mg/kg dry | 0.0167                  | 0.0167             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:56      | AMC     |
| 53469-21-9                  | <b>Aroclor 1242</b>             | <b>0.0327</b> |      | mg/kg dry | 0.0167                  | 0.0167             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:56      | AMC     |
| 12672-29-6                  | Aroclor 1248                    | ND            |      | mg/kg dry | 0.0167                  | 0.0167             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:56      | AMC     |
| 11097-69-1                  | Aroclor 1254                    | ND            |      | mg/kg dry | 0.0167                  | 0.0167             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:56      | AMC     |
| 11096-82-5                  | Aroclor 1260                    | ND            |      | mg/kg dry | 0.0167                  | 0.0167             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:56      | AMC     |
| 1336-36-3                   | <b>* Total PCBs</b>             | <b>0.0327</b> |      | mg/kg dry | 0.0167                  | 0.0167             | 1        | EPA 8082A<br>Certifications:                                 | 08/12/2015 14:16      | 08/13/2015 21:56      | AMC     |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> |      |           | <b>Acceptance Range</b> |                    |          |                                                              |                       |                       |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 69.2 %        |      |           | 30-140                  |                    |          |                                                              |                       |                       |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 66.7 %        |      |           | 30-140                  |                    |          |                                                              |                       |                       |         |

### Herbicides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

| CAS No.                     | Parameter                                       | Result        | Flag | Units     | LOD/MDL                 | Reported to<br>LOQ | Dilution | Reference Method                                               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|-------------------------------------------------|---------------|------|-----------|-------------------------|--------------------|----------|----------------------------------------------------------------|-----------------------|-----------------------|---------|
| 93-72-1                     | 2,4,5-TP (Silvex)                               | ND            |      | ug/kg dry | 20.1                    | 20.1               | 1        | EPA 8151A m<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 05:51      | 08/14/2015 11:00      | AMC     |
| <b>Surrogate Recoveries</b> |                                                 | <b>Result</b> |      |           | <b>Acceptance Range</b> |                    |          |                                                                |                       |                       |         |
| 19719-28-9                  | Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) | 117 %         |      |           | 30-150                  |                    |          |                                                                |                       |                       |         |

### Metals, NYSDEC Part 375

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|-----------|--------|------|-------|---------|--------------------|----------|------------------|-----------------------|-----------------------|---------|
|---------|-----------|--------|------|-------|---------|--------------------|----------|------------------|-----------------------|-----------------------|---------|



## Sample Information

**Client Sample ID:** Endpoint 17

**York Sample ID:** 15H0237-14

**York Project (SDG) No.**  
15H0237

**Client Project ID**  
Roberto Clemente

**Matrix**  
Soil

**Collection Date/Time**  
August 6, 2015 1:20 pm

**Date Received**  
08/07/2015

### Metals, NYSDEC Part 375

Sample Prepared by Method: EPA 3050B

### Log-in Notes:

### Sample Notes:

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7440-38-2 | Arsenic   | 1.46   |      | mg/kg dry | 1.00    | 1.00               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 16:03      | ALD     |
| 7440-39-3 | Barium    | 19.0   |      | mg/kg dry | 1.00    | 1.00               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 16:03      | ALD     |
| 7440-41-7 | Beryllium | ND     |      | mg/kg dry | 0.100   | 0.100              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 16:03      | ALD     |
| 7440-43-9 | Cadmium   | ND     |      | mg/kg dry | 0.301   | 0.301              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 16:03      | ALD     |
| 7440-47-3 | Chromium  | 7.33   |      | mg/kg dry | 0.502   | 0.502              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 16:03      | ALD     |
| 7440-50-8 | Copper    | 8.01   |      | mg/kg dry | 0.502   | 0.502              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 16:03      | ALD     |
| 7439-92-1 | Lead      | 19.0   |      | mg/kg dry | 0.301   | 0.301              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 16:03      | ALD     |
| 7439-96-5 | Manganese | 101    |      | mg/kg dry | 0.502   | 0.502              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 16:03      | ALD     |
| 7440-02-0 | Nickel    | 4.56   |      | mg/kg dry | 0.502   | 0.502              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 16:03      | ALD     |
| 7782-49-2 | Selenium  | 1.42   |      | mg/kg dry | 1.00    | 1.00               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 16:03      | ALD     |
| 7440-22-4 | Silver    | ND     |      | mg/kg dry | 0.502   | 0.502              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 16:03      | ALD     |
| 7440-66-6 | Zinc      | 22.8   |      | mg/kg dry | 1.00    | 1.00               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 16:03      | ALD     |

### Mercury by 7473

Sample Prepared by Method: EPA 7473 soil

### Log-in Notes:

### Sample Notes:

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7439-97-6 | Mercury   | 0.0435 |      | mg/kg dry | 0.0301  | 0.0301             | 1        | EPA 7473<br>Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 08/11/2015 08:39      | 08/11/2015 13:13      | KV      |

### Total Solids

Sample Prepared by Method: % Solids Prep

### Log-in Notes:

### Sample Notes:

| CAS No. | Parameter  | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                  | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|------------|--------|------|-------|---------|--------------------|----------|-----------------------------------|-----------------------|-----------------------|---------|
| solids  | * % Solids | 99.7   |      | %     | 0.100   | 0.100              | 1        | SM 2540G<br>Certifications: CTDOH | 08/10/2015 10:37      | 08/10/2015 18:15      | KK      |

### Chromium, Hexavalent

Sample Prepared by Method: EPA SW846-3060

### Log-in Notes:

### Sample Notes:

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|-----------|--------|------|-------|---------|--------------------|----------|------------------|-----------------------|-----------------------|---------|
|---------|-----------|--------|------|-------|---------|--------------------|----------|------------------|-----------------------|-----------------------|---------|



## Sample Information

**Client Sample ID:** Endpoint 17

**York Sample ID:** 15H0237-14

**York Project (SDG) No.**

15H0237

**Client Project ID**

Roberto Clemente

**Matrix**

Soil

**Collection Date/Time**

August 6, 2015 1:20 pm

**Date Received**

08/07/2015

### Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

| CAS No.    | Parameter            | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                       | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|----------------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------|-----------------------|-----------------------|---------|
| 18540-29-9 | Chromium, Hexavalent | ND     |      | mg/kg dry | 0.351   | 0.502              | 1        | EPA 7196A<br>Certifications: NJDEP,CTDOH,NELAC-NY10854 | 08/11/2015 07:48      | 08/11/2015 15:14      | SC      |

### Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

| CAS No.    | Parameter             | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|-----------------------|--------|------|-------|---------|--------------------|----------|--------------------------------|-----------------------|-----------------------|---------|
| 16065-83-1 | * Chromium, Trivalent | 7.33   |      | mg/kg | 0.250   | 0.500              | 1        | Calculation<br>Certifications: | 08/14/2015 13:00      | 08/14/2015 16:06      | SC      |

### Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

| CAS No. | Parameter      | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|----------------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 57-12-5 | Cyanide, total | ND     |      | mg/kg dry | 0.502   | 0.502              | 1        | EPA 9014/9010C<br>Certifications: NELAC-NY10854,CTDOH,NJDEP | 08/14/2015 11:09      | 08/14/2015 16:19      | AD      |

## Sample Information

**Client Sample ID:** Endpoint 18

**York Sample ID:** 15H0237-15

**York Project (SDG) No.**

15H0237

**Client Project ID**

Roberto Clemente

**Matrix**

Soil

**Collection Date/Time**

August 6, 2015 1:40 pm

**Date Received**

08/07/2015

### Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.  | Parameter              | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|------------------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 71-55-6  | 1,1,1-Trichloroethane  | ND     |      | ug/kg dry | 3.6     | 7.2                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 21:43      | BK      |
| 75-34-3  | 1,1-Dichloroethane     | ND     |      | ug/kg dry | 3.6     | 7.2                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 21:43      | BK      |
| 75-35-4  | 1,1-Dichloroethylene   | ND     |      | ug/kg dry | 3.6     | 7.2                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 21:43      | BK      |
| 95-63-6  | 1,2,4-Trimethylbenzene | ND     |      | ug/kg dry | 3.6     | 7.2                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 21:43      | BK      |
| 95-50-1  | 1,2-Dichlorobenzene    | ND     |      | ug/kg dry | 3.6     | 7.2                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 21:43      | BK      |
| 107-06-2 | 1,2-Dichloroethane     | ND     |      | ug/kg dry | 3.6     | 7.2                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 21:43      | BK      |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND     |      | ug/kg dry | 3.6     | 7.2                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 21:43      | BK      |



## Sample Information

**Client Sample ID:** Endpoint 18

**York Sample ID:** 15H0237-15

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 1:40 pm

Date Received  
08/07/2015

### Volatile Organics, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.     | Parameter                      | Result    | Flag   | Units     | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-------------|--------------------------------|-----------|--------|-----------|------------------------|-----|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 541-73-1    | 1,3-Dichlorobenzene            | ND        |        | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 21:43      | BK      |
| 106-46-7    | 1,4-Dichlorobenzene            | ND        |        | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 21:43      | BK      |
| 123-91-1    | 1,4-Dioxane                    | ND        |        | ug/kg dry | 72                     | 140 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 08/11/2015 08:17      | 08/11/2015 21:43      | BK      |
| 78-93-3     | 2-Butanone                     | ND        |        | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 21:43      | BK      |
| 67-64-1     | Acetone                        | ND        | SCAL-E | ug/kg dry | 7.2                    | 14  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 21:43      | BK      |
| 71-43-2     | Benzene                        | ND        |        | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 21:43      | BK      |
| 56-23-5     | Carbon tetrachloride           | ND        |        | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 21:43      | BK      |
| 108-90-7    | Chlorobenzene                  | ND        |        | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 21:43      | BK      |
| 67-66-3     | Chloroform                     | ND        |        | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 21:43      | BK      |
| 156-59-2    | cis-1,2-Dichloroethylene       | ND        |        | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 21:43      | BK      |
| 100-41-4    | Ethyl Benzene                  | ND        |        | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 21:43      | BK      |
| 1634-04-4   | Methyl tert-butyl ether (MTBE) | ND        |        | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 21:43      | BK      |
| 75-09-2     | <b>Methylene chloride</b>      | <b>21</b> |        | ug/kg dry | 7.2                    | 14  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 21:43      | BK      |
| 91-20-3     | Naphthalene                    | ND        |        | ug/kg dry | 3.6                    | 14  | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 08/11/2015 08:17      | 08/11/2015 21:43      | BK      |
| 104-51-8    | n-Butylbenzene                 | ND        |        | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 21:43      | BK      |
| 103-65-1    | n-Propylbenzene                | ND        |        | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 21:43      | BK      |
| 95-47-6     | o-Xylene                       | ND        |        | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 08/11/2015 08:17      | 08/11/2015 21:43      | BK      |
| 179601-23-1 | p- & m- Xylenes                | ND        |        | ug/kg dry | 7.2                    | 14  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 08/11/2015 08:17      | 08/11/2015 21:43      | BK      |
| 135-98-8    | sec-Butylbenzene               | ND        |        | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 21:43      | BK      |
| 98-06-6     | tert-Butylbenzene              | ND        |        | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 21:43      | BK      |
| 127-18-4    | Tetrachloroethylene            | ND        |        | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 21:43      | BK      |
| 108-88-3    | Toluene                        | ND        |        | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 21:43      | BK      |



## Sample Information

**Client Sample ID:** Endpoint 18

**York Sample ID:** 15H0237-15

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 1:40 pm

Date Received  
08/07/2015

### Volatile Organics, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.                     | Parameter                        | Result        | Flag | Units     | Reported to<br>LOD/MDL  | LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|----------------------------------|---------------|------|-----------|-------------------------|-----|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 156-60-5                    | trans-1,2-Dichloroethylene       | ND            |      | ug/kg dry | 3.6                     | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 08:17      | 08/11/2015 21:43      | BK      |
| 79-01-6                     | Trichloroethylene                | ND            |      | ug/kg dry | 3.6                     | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 21:43      | BK      |
| 75-01-4                     | Vinyl Chloride                   | ND            |      | ug/kg dry | 3.6                     | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 21:43      | BK      |
| 1330-20-7                   | Xylenes, Total                   | ND            |      | ug/kg dry | 11                      | 22  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 08:17      | 08/11/2015 21:43      | BK      |
| <b>Surrogate Recoveries</b> |                                  | <b>Result</b> |      |           | <b>Acceptance Range</b> |     |          |                                                              |                       |                       |         |
| 17060-07-0                  | Surrogate: 1,2-Dichloroethane-d4 | 116 %         |      |           | 77-125                  |     |          |                                                              |                       |                       |         |
| 2037-26-5                   | Surrogate: Toluene-d8            | 106 %         |      |           | 85-120                  |     |          |                                                              |                       |                       |         |
| 460-00-4                    | Surrogate: p-Bromofluorobenzene  | 92.2 %        |      |           | 76-130                  |     |          |                                                              |                       |                       |         |

### Semi-Volatiles, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter                   | Result      | Flag | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|-----------------------------|-------------|------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 83-32-9  | Acenaphthene                | ND          |      | ug/kg dry | 42.3                   | 84.5 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 18:37      | SR      |
| 208-96-8 | Acenaphthylene              | ND          |      | ug/kg dry | 42.3                   | 84.5 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 18:37      | SR      |
| 120-12-7 | <b>Anthracene</b>           | <b>53.4</b> | J    | ug/kg dry | 42.3                   | 84.5 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 18:37      | SR      |
| 56-55-3  | <b>Benzo(a)anthracene</b>   | <b>259</b>  |      | ug/kg dry | 42.3                   | 84.5 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 18:37      | SR      |
| 50-32-8  | <b>Benzo(a)pyrene</b>       | <b>113</b>  |      | ug/kg dry | 42.3                   | 84.5 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 18:37      | SR      |
| 205-99-2 | <b>Benzo(b)fluoranthene</b> | <b>149</b>  |      | ug/kg dry | 42.3                   | 84.5 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 18:37      | SR      |
| 191-24-2 | Benzo(g,h,i)perylene        | ND          |      | ug/kg dry | 42.3                   | 84.5 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 18:37      | SR      |
| 207-08-9 | <b>Benzo(k)fluoranthene</b> | <b>182</b>  |      | ug/kg dry | 42.3                   | 84.5 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 18:37      | SR      |
| 218-01-9 | <b>Chrysene</b>             | <b>482</b>  |      | ug/kg dry | 42.3                   | 84.5 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 18:37      | SR      |
| 53-70-3  | Dibenzo(a,h)anthracene      | ND          |      | ug/kg dry | 42.3                   | 84.5 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 18:37      | SR      |
| 132-64-9 | Dibenzofuran                | ND          |      | ug/kg dry | 42.3                   | 84.5 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/13/2015 08:08      | 08/13/2015 18:37      | SR      |
| 206-44-0 | <b>Fluoranthene</b>         | <b>1680</b> |      | ug/kg dry | 42.3                   | 84.5 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 18:37      | SR      |
| 86-73-7  | Fluorene                    | ND          |      | ug/kg dry | 42.3                   | 84.5 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP       | 08/13/2015 08:08      | 08/13/2015 18:37      | SR      |



## Sample Information

**Client Sample ID:** Endpoint 18

**York Sample ID:** 15H0237-15

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 1:40 pm

Date Received  
08/07/2015

### Semi-Volatiles, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag                    | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 118-74-1                    | Hexachlorobenzene               | ND            |                         | ug/kg dry | 42.3                   | 84.5 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 18:37      | SR      |
| 193-39-5                    | Indeno(1,2,3-cd)pyrene          | ND            |                         | ug/kg dry | 42.3                   | 84.5 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 18:37      | SR      |
| 95-48-7                     | 2-Methylphenol                  | ND            |                         | ug/kg dry | 42.3                   | 84.5 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 18:37      | SR      |
| 65794-96-9                  | 3- & 4-Methylphenols            | ND            |                         | ug/kg dry | 42.3                   | 84.5 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/13/2015 08:08      | 08/13/2015 18:37      | SR      |
| 91-20-3                     | Naphthalene                     | ND            |                         | ug/kg dry | 42.3                   | 84.5 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/13/2015 08:08      | 08/13/2015 18:37      | SR      |
| 87-86-5                     | Pentachlorophenol               | ND            |                         | ug/kg dry | 42.3                   | 84.5 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 18:37      | SR      |
| 85-01-8                     | <b>Phenanthrene</b>             | <b>373</b>    |                         | ug/kg dry | 42.3                   | 84.5 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 18:37      | SR      |
| 108-95-2                    | Phenol                          | ND            |                         | ug/kg dry | 42.3                   | 84.5 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 18:37      | SR      |
| 129-00-0                    | <b>Pyrene</b>                   | <b>1260</b>   |                         | ug/kg dry | 42.3                   | 84.5 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/13/2015 08:08      | 08/13/2015 18:37      | SR      |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> | <b>Acceptance Range</b> |           |                        |      |          |                                                              |                       |                       |         |
| 367-12-4                    | Surrogate: 2-Fluorophenol       | 55.8 %        | 10-95                   |           |                        |      |          |                                                              |                       |                       |         |
| 4165-62-2                   | Surrogate: Phenol-d5            | 52.8 %        | 10-107                  |           |                        |      |          |                                                              |                       |                       |         |
| 4165-60-0                   | Surrogate: Nitrobenzene-d5      | 47.7 %        | 10-95                   |           |                        |      |          |                                                              |                       |                       |         |
| 321-60-8                    | Surrogate: 2-Fluorobiphenyl     | 51.9 %        | 10-97                   |           |                        |      |          |                                                              |                       |                       |         |
| 118-79-6                    | Surrogate: 2,4,6-Tribromophenol | 40.5 %        | 10-103                  |           |                        |      |          |                                                              |                       |                       |         |
| 1718-51-0                   | Surrogate: Terphenyl-d14        | 59.4 %        | 19-99                   |           |                        |      |          |                                                              |                       |                       |         |

### Pesticides, NYSDEC Part 375 Target List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.   | Parameter              | Result      | Flag | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|------------------------|-------------|------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 72-54-8   | <b>4,4'-DDD</b>        | <b>4.05</b> |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:46      | AMC     |
| 72-55-9   | <b>4,4'-DDE</b>        | <b>4.77</b> |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:46      | AMC     |
| 50-29-3   | <b>4,4'-DDT</b>        | <b>12.1</b> |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:46      | AMC     |
| 309-00-2  | Aldrin                 | ND          |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:46      | AMC     |
| 319-84-6  | alpha-BHC              | ND          |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:46      | AMC     |
| 5103-71-9 | <b>alpha-Chlordane</b> | <b>4.09</b> |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP             | 08/12/2015 14:16      | 08/13/2015 21:46      | AMC     |





## Sample Information

**Client Sample ID:** Endpoint 18

**York Sample ID:** 15H0237-15

York Project (SDG) No.  
15H0237

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 6, 2015 1:40 pm

Date Received  
08/07/2015

### Pesticides, NYSDEC Part 375 Target List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag                    | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 319-85-7                    | beta-BHC                        | ND            |                         | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:46      | AMC     |
| 319-86-8                    | delta-BHC                       | ND            |                         | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:46      | AMC     |
| 60-57-1                     | Dieldrin                        | ND            |                         | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:46      | AMC     |
| 959-98-8                    | Endosulfan I                    | ND            |                         | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:46      | AMC     |
| 33213-65-9                  | Endosulfan II                   | ND            |                         | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:46      | AMC     |
| 1031-07-8                   | Endosulfan sulfate              | ND            |                         | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:46      | AMC     |
| 72-20-8                     | Endrin                          | ND            |                         | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:46      | AMC     |
| 58-89-9                     | gamma-BHC (Lindane)             | ND            |                         | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:46      | AMC     |
| 76-44-8                     | Heptachlor                      | ND            |                         | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 21:46      | AMC     |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> | <b>Acceptance Range</b> |           |         |                    |          |                                                              |                       |                       |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 40.7 %        | 30-140                  |           |         |                    |          |                                                              |                       |                       |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 63.5 %        | 30-140                  |           |         |                    |          |                                                              |                       |                       |         |

### Polychlorinated Biphenyls (PCB)

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter    | Result        | Flag                    | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|--------------|---------------|-------------------------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 12674-11-2                  | Aroclor 1016 | ND            |                         | mg/kg dry | 0.0169  | 0.0169             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 22:15      | AMC     |
| 11104-28-2                  | Aroclor 1221 | ND            |                         | mg/kg dry | 0.0169  | 0.0169             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 22:15      | AMC     |
| 11141-16-5                  | Aroclor 1232 | ND            |                         | mg/kg dry | 0.0169  | 0.0169             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 22:15      | AMC     |
| 53469-21-9                  | Aroclor 1242 | ND            |                         | mg/kg dry | 0.0169  | 0.0169             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 22:15      | AMC     |
| 12672-29-6                  | Aroclor 1248 | ND            |                         | mg/kg dry | 0.0169  | 0.0169             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 22:15      | AMC     |
| 11097-69-1                  | Aroclor 1254 | ND            |                         | mg/kg dry | 0.0169  | 0.0169             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 22:15      | AMC     |
| 11096-82-5                  | Aroclor 1260 | ND            |                         | mg/kg dry | 0.0169  | 0.0169             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/12/2015 14:16      | 08/13/2015 22:15      | AMC     |
| 1336-36-3                   | * Total PCBs | ND            |                         | mg/kg dry | 0.0169  | 0.0169             | 1        | EPA 8082A<br>Certifications:                                 | 08/12/2015 14:16      | 08/13/2015 22:15      | AMC     |
| <b>Surrogate Recoveries</b> |              | <b>Result</b> | <b>Acceptance Range</b> |           |         |                    |          |                                                              |                       |                       |         |



## Sample Information

**Client Sample ID:** Endpoint 18

**York Sample ID:** 15H0237-15

York Project (SDG) No.

15H0237

Client Project ID

Roberto Clemente

Matrix

Soil

Collection Date/Time

August 6, 2015 1:40 pm

Date Received

08/07/2015

### Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.   | Parameter                       | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|---------------------------------|--------|------|-------|---------|--------------------|----------|------------------|-----------------------|-----------------------|---------|
| 877-09-8  | Surrogate: Tetrachloro-m-xylene | 70.6 % |      |       | 30-140  |                    |          |                  |                       |                       |         |
| 2051-24-3 | Surrogate: Decachlorobiphenyl   | 69.1 % |      |       | 30-140  |                    |          |                  |                       |                       |         |

### Herbicides, NYSDEC Part 375 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

| CAS No.    | Parameter                                       | Result        | Flag | Units     | LOD/MDL                 | Reported to<br>LOQ | Dilution | Reference Method                                               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|-------------------------------------------------|---------------|------|-----------|-------------------------|--------------------|----------|----------------------------------------------------------------|-----------------------|-----------------------|---------|
| 93-72-1    | 2,4,5-TP (Silvex)                               | ND            |      | ug/kg dry | 20.3                    | 20.3               | 1        | EPA 8151A m<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/12/2015 05:51      | 08/14/2015 11:15      | AMC     |
|            | <b>Surrogate Recoveries</b>                     | <b>Result</b> |      |           | <b>Acceptance Range</b> |                    |          |                                                                |                       |                       |         |
| 19719-28-9 | Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) | 108 %         |      |           | 30-150                  |                    |          |                                                                |                       |                       |         |

### Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7440-38-2 | Arsenic   | 2.12   |      | mg/kg dry | 1.01    | 1.01               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 16:08      | ALD     |
| 7440-39-3 | Barium    | 38.9   |      | mg/kg dry | 1.01    | 1.01               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 16:08      | ALD     |
| 7440-41-7 | Beryllium | ND     |      | mg/kg dry | 0.101   | 0.101              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 16:08      | ALD     |
| 7440-43-9 | Cadmium   | ND     |      | mg/kg dry | 0.304   | 0.304              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 16:08      | ALD     |
| 7440-47-3 | Chromium  | 8.80   |      | mg/kg dry | 0.507   | 0.507              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 16:08      | ALD     |
| 7440-50-8 | Copper    | 11.3   |      | mg/kg dry | 0.507   | 0.507              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 16:08      | ALD     |
| 7439-92-1 | Lead      | 38.9   |      | mg/kg dry | 0.304   | 0.304              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 16:08      | ALD     |
| 7439-96-5 | Manganese | 141    |      | mg/kg dry | 0.507   | 0.507              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 16:08      | ALD     |
| 7440-02-0 | Nickel    | 5.39   |      | mg/kg dry | 0.507   | 0.507              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 16:08      | ALD     |
| 7782-49-2 | Selenium  | ND     |      | mg/kg dry | 1.01    | 1.01               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 16:08      | ALD     |
| 7440-22-4 | Silver    | ND     |      | mg/kg dry | 0.507   | 0.507              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/11/2015 11:47      | 08/11/2015 16:08      | ALD     |
| 7440-66-6 | Zinc      | 34.6   |      | mg/kg dry | 1.01    | 1.01               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/11/2015 11:47      | 08/11/2015 16:08      | ALD     |

### Mercury by 7473

Log-in Notes:

Sample Notes:



## Sample Information

**Client Sample ID:** Endpoint 18

**York Sample ID:** 15H0237-15

**York Project (SDG) No.**  
15H0237

**Client Project ID**  
Roberto Clemente

**Matrix**  
Soil

**Collection Date/Time**  
August 6, 2015 1:40 pm

**Date Received**  
08/07/2015

Sample Prepared by Method: EPA 7473 soil

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7439-97-6 | Mercury   | 0.0623 |      | mg/kg dry | 0.0304  | 0.0304             | 1        | EPA 7473<br>Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 08/11/2015 08:39      | 08/11/2015 13:22      | KV      |

### Total Solids

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter  | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                  | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|------------|--------|------|-------|---------|--------------------|----------|-----------------------------------|-----------------------|-----------------------|---------|
| solids  | * % Solids | 98.7   |      | %     | 0.100   | 0.100              | 1        | SM 2540G<br>Certifications: CTDOH | 08/10/2015 10:37      | 08/10/2015 18:15      | KK      |

### Chromium, Hexavalent

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA SW846-3060

| CAS No.    | Parameter            | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                       | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|----------------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------|-----------------------|-----------------------|---------|
| 18540-29-9 | Chromium, Hexavalent | ND     |      | mg/kg dry | 0.355   | 0.507              | 1        | EPA 7196A<br>Certifications: NJDEP,CTDOH,NELAC-NY10854 | 08/11/2015 07:48      | 08/11/2015 15:14      | SC      |

### Chromium, Trivalent

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: Analysis Preparation

| CAS No.    | Parameter             | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|-----------------------|--------|------|-------|---------|--------------------|----------|--------------------------------|-----------------------|-----------------------|---------|
| 16065-83-1 | * Chromium, Trivalent | 8.80   |      | mg/kg | 0.250   | 0.500              | 1        | Calculation<br>Certifications: | 08/14/2015 13:00      | 08/14/2015 16:06      | SC      |

### Cyanide, Total

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

| CAS No. | Parameter      | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|----------------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 57-12-5 | Cyanide, total | ND     |      | mg/kg dry | 0.507   | 0.507              | 1        | EPA 9014/9010C<br>Certifications: NELAC-NY10854,CTDOH,NJDEP | 08/14/2015 11:09      | 08/14/2015 16:19      | AD      |



### Volatile Analysis Sample Containers

| Lab ID     | Client Sample ID | Volatile Sample Container |
|------------|------------------|---------------------------|
| 15H0237-01 | Endpoint 4       | Encore Sampler            |
| 15H0237-02 | Endpoint 5       | Encore Sampler            |
| 15H0237-03 | Endpoint 6       | Encore Sampler            |
| 15H0237-04 | Endpoint 7       | Encore Sampler            |
| 15H0237-05 | Endpoint 8       | Encore Sampler            |
| 15H0237-06 | Endpoint 9       | Encore Sampler            |
| 15H0237-07 | Endpoint 10      | Encore Sampler            |
| 15H0237-08 | Endpoint 11      | Encore Sampler            |
| 15H0237-09 | Endpoint 12      | Encore Sampler            |
| 15H0237-10 | Endpoint 13      | Encore Sampler            |
| 15H0237-11 | Endpoint 14      | Encore Sampler            |
| 15H0237-12 | Endpoint 15      | Encore Sampler            |
| 15H0237-13 | Endpoint 16      | Encore Sampler            |
| 15H0237-14 | Endpoint 17      | Encore Sampler            |
| 15H0237-15 | Endpoint 18      | Encore Sampler            |



## Notes and Definitions

|         |                                                                                                                                                                                                                             |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SCAL-E  | The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).                                                                                                    |
| S-08    | The recovery of this surrogate was outside of QC limits.                                                                                                                                                                    |
| QR-02   | The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.                     |
| QM-05   | The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable. |
| QL-03   | This LCS analyte recovered outside of acceptance limits. The LCS contains approximately 70 compounds, a limited number of which may be outside acceptance windows.                                                          |
| QL-02   | This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.                          |
| M-MISpk | The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The SRM was within acceptance limits, therefore data are acceptable.                                                     |
| J       | Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.                                                     |
| IS-06   | Internal standard perylene-d12 did not meet acceptance criteria. The sample was reanalyzed to confirm matrix interference. Compounds affected are: Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene and Indeno(1,2,3-cd)pyrene. |
| CCV-E   | The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).                                    |
| B       | Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.                   |

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|             |                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| *           | Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.                                                                                                                                                                                                                                                                                                                       |
| ND          | NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)                                                                                                                                                                                                                                                                                                                                              |
| RL          | REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.                                                                                                                                                                                                                                                                                                                         |
| LOQ         | LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.                                                             |
| LOD         | LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.                                                                                                                                                               |
| MDL         | METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.                                                                                                        |
| Reported to | This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.                                                                                         |
| NR          | Not reported                                                                                                                                                                                                                                                                                                                                                                                                                         |
| RPD         | Relative Percent Difference                                                                                                                                                                                                                                                                                                                                                                                                          |
| Wet         | The data has been reported on an as-received (wet weight) basis                                                                                                                                                                                                                                                                                                                                                                      |
| Low Bias    | Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.   |
| High Bias   | High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias. |



Non-Dir. Non-dir. flag (Non-Directional Bias ) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.

For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

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YORK ANALYTICAL LABORATORIES  
120 RESEARCH DR.  
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**YORK**  
ANALYTICAL LABORATORIES INC

# Field Chain-of-Custody Record

Page 1 of 2

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.  
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 15H0237

| YOUR Information                                                                                                                                                                                                                                                                                                           |                             | Report To:                                                                                                                                                                                                                                                                                                                                                                                     |                             | Invoice To:                 |                             | YOUR Project ID             |                             | Turn-Around Time            |                             | Report Type                 |                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Company: <u>Enviroscience</u>                                                                                                                                                                                                                                                                                              | Company: <u>Same</u>        | Company: <u>Same</u>                                                                                                                                                                                                                                                                                                                                                                           | Company: <u>Same</u>        | Company: <u>Same</u>        | Company: <u>Same</u>        | Company: <u>Same</u>        | Company: <u>Same</u>        | Company: <u>Same</u>        | Company: <u>Same</u>        | Company: <u>Same</u>        | Company: <u>Same</u>        |
| Address: <u>2150 Smithtown Ave</u>                                                                                                                                                                                                                                                                                         | Address: <u>Same</u>        | Address: <u>Same</u>                                                                                                                                                                                                                                                                                                                                                                           | Address: <u>Same</u>        | Address: <u>Same</u>        | Address: <u>Same</u>        | Address: <u>Same</u>        | Address: <u>Same</u>        | Address: <u>Same</u>        | Address: <u>Same</u>        | Address: <u>Same</u>        | Address: <u>Same</u>        |
| Phone No. <u>631 580-3191</u>                                                                                                                                                                                                                                                                                              | Phone No. <u>Same</u>       | Phone No. <u>Same</u>                                                                                                                                                                                                                                                                                                                                                                          | Phone No. <u>Same</u>       | Phone No. <u>Same</u>       | Phone No. <u>Same</u>       | Phone No. <u>Same</u>       | Phone No. <u>Same</u>       | Phone No. <u>Same</u>       | Phone No. <u>Same</u>       | Phone No. <u>Same</u>       | Phone No. <u>Same</u>       |
| Contact Person: <u>Kathryn Loddengard</u>                                                                                                                                                                                                                                                                                  | Contact Person: <u>Same</u> | Contact Person: <u>Same</u>                                                                                                                                                                                                                                                                                                                                                                    | Contact Person: <u>Same</u> | Contact Person: <u>Same</u> | Contact Person: <u>Same</u> | Contact Person: <u>Same</u> | Contact Person: <u>Same</u> | Contact Person: <u>Same</u> | Contact Person: <u>Same</u> | Contact Person: <u>Same</u> | Contact Person: <u>Same</u> |
| E-Mail Address: <u>loddengard@enviroscience.com</u>                                                                                                                                                                                                                                                                        | E-Mail Address: <u>Same</u> | E-Mail Address: <u>Same</u>                                                                                                                                                                                                                                                                                                                                                                    | E-Mail Address: <u>Same</u> | E-Mail Address: <u>Same</u> | E-Mail Address: <u>Same</u> | E-Mail Address: <u>Same</u> | E-Mail Address: <u>Same</u> | E-Mail Address: <u>Same</u> | E-Mail Address: <u>Same</u> | E-Mail Address: <u>Same</u> | E-Mail Address: <u>Same</u> |
| <p><b>Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.</b></p> <p>Samples Collected/Authorized By (Signature) <u>Kathryn Loddengard</u><br/>Name (printed) <u>Kathryn Loddengard</u></p> |                             |                                                                                                                                                                                                                                                                                                                                                                                                |                             |                             |                             |                             |                             |                             |                             |                             |                             |
| Matrix Codes                                                                                                                                                                                                                                                                                                               |                             | <p>S - soil<br/>Other - specify (oil, etc.)<br/>WW - wastewater<br/>GW - groundwater<br/>DW - drinking water<br/>Air-A - ambient air<br/>Air-SV - soil vapor</p>                                                                                                                                                                                                                               |                             |                             |                             |                             |                             |                             |                             |                             |                             |
| Sample Matrix                                                                                                                                                                                                                                                                                                              |                             | <p>S</p>                                                                                                                                                                                                                                                                                                                                                                                       |                             |                             |                             |                             |                             |                             |                             |                             |                             |
| Sample Identification                                                                                                                                                                                                                                                                                                      | Date/Time Sampled           | <p>Endpoint 4 <u>8/6/15 1030</u><br/>Endpoint 5 <u>1045</u><br/>Endpoint 6 <u>1050</u><br/>Endpoint 7 <u>1100</u><br/>Endpoint 8 <u>1110</u><br/>Endpoint 9 <u>1120</u><br/>Endpoint 10 <u>1200</u><br/>Endpoint 11 <u>1210</u><br/>Endpoint 12 <u>1220</u><br/>Endpoint 13 <u>1230</u></p>                                                                                                    |                             |                             |                             |                             |                             |                             |                             |                             |                             |
| Comments                                                                                                                                                                                                                                                                                                                   |                             | <p><u>NYDEC Part 375 VOCs, SVOCs, Metals, PCBs, Pesticides, and herbicides all samples analyzed for all parameters.</u></p>                                                                                                                                                                                                                                                                    |                             |                             |                             |                             |                             |                             |                             |                             |                             |
| Container Description(s)                                                                                                                                                                                                                                                                                                   |                             | <p><u>3-encore 18oz</u></p>                                                                                                                                                                                                                                                                                                                                                                    |                             |                             |                             |                             |                             |                             |                             |                             |                             |
| Preservation                                                                                                                                                                                                                                                                                                               |                             | <p>Check those applicable: <input checked="" type="checkbox"/> 4°C <input checked="" type="checkbox"/> Frozen <input checked="" type="checkbox"/> HCl <input checked="" type="checkbox"/> MeOH <input checked="" type="checkbox"/> HNO<sub>3</sub> <input checked="" type="checkbox"/> H<sub>2</sub>SO<sub>4</sub> <input checked="" type="checkbox"/> NaOH <input type="checkbox"/> Other</p> |                             |                             |                             |                             |                             |                             |                             |                             |                             |
| Special Instructions                                                                                                                                                                                                                                                                                                       |                             | <p>Field Filled <input type="checkbox"/><br/>Lab to Filter <input type="checkbox"/></p>                                                                                                                                                                                                                                                                                                        |                             |                             |                             |                             |                             |                             |                             |                             |                             |
| Temperature on Receipt                                                                                                                                                                                                                                                                                                     |                             | <p><u>4.4 °C</u></p>                                                                                                                                                                                                                                                                                                                                                                           |                             |                             |                             |                             |                             |                             |                             |                             |                             |





YORK ANALYTICAL LABORATORIES  
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# Field Chain-of-Custody Record

Page 2 of 2  
York Project No. 1570237

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.  
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

| YOUR Information                                                                                                                                                                                                                                                   |                             | Report To:                  |                             | Invoice To:                 |                             | YOUR Project ID             |                             | Turn-Around Time            |                             | Report Type                 |                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Company: <u>EnviroScience</u>                                                                                                                                                                                                                                      | Company: <u>Same</u>        | Company: <u>Same</u>        | Company: <u>Same</u>        | Company: <u>Same</u>        | Company: <u>Same</u>        | Company: <u>Same</u>        | Company: <u>Same</u>        | Company: <u>Same</u>        | Company: <u>Same</u>        | Company: <u>Same</u>        | Company: <u>Same</u>        |
| Address: <u>2150 Smithtown Ave</u>                                                                                                                                                                                                                                 | Address: <u>Same</u>        | Address: <u>Same</u>        | Address: <u>Same</u>        | Address: <u>Same</u>        | Address: <u>Same</u>        | Address: <u>Same</u>        | Address: <u>Same</u>        | Address: <u>Same</u>        | Address: <u>Same</u>        | Address: <u>Same</u>        | Address: <u>Same</u>        |
| Phone No. <u>609.666.1179</u>                                                                                                                                                                                                                                      | Phone No. <u>Same</u>       | Phone No. <u>Same</u>       | Phone No. <u>Same</u>       | Phone No. <u>Same</u>       | Phone No. <u>Same</u>       | Phone No. <u>Same</u>       | Phone No. <u>Same</u>       | Phone No. <u>Same</u>       | Phone No. <u>Same</u>       | Phone No. <u>Same</u>       | Phone No. <u>Same</u>       |
| Contact Person: <u>Kathryn Loddengard</u>                                                                                                                                                                                                                          | Contact Person: <u>Same</u> | Contact Person: <u>Same</u> | Contact Person: <u>Same</u> | Contact Person: <u>Same</u> | Contact Person: <u>Same</u> | Contact Person: <u>Same</u> | Contact Person: <u>Same</u> | Contact Person: <u>Same</u> | Contact Person: <u>Same</u> | Contact Person: <u>Same</u> | Contact Person: <u>Same</u> |
| E-Mail Address:                                                                                                                                                                                                                                                    | E-Mail Address:             | E-Mail Address:             | E-Mail Address:             | E-Mail Address:             | E-Mail Address:             | E-Mail Address:             | E-Mail Address:             | E-Mail Address:             | E-Mail Address:             | E-Mail Address:             | E-Mail Address:             |
| <b>Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.</b>                                                                          |                             |                             |                             |                             |                             |                             |                             |                             |                             |                             |                             |
| <div>Signature: <u>Kathryn Loddengard</u><br/>Name (printed): <u>Kathryn Loddengard</u><br/>Samples Collected/Authorized By (Signature): <u>Kathryn Loddengard</u></div>                                                                                           |                             |                             |                             |                             |                             |                             |                             |                             |                             |                             |                             |
| <div>Matrix Codes<br/>S - soil<br/>Other - specify (oil, etc.)<br/>WW - wastewater<br/>GW - groundwater<br/>DW - drinking water<br/>Air-A - ambient air<br/>Air-SV - soil vapor</div>                                                                              |                             |                             |                             |                             |                             |                             |                             |                             |                             |                             |                             |
| <b>Choose Analyses Needed from the Menu Above and Enter Below</b>                                                                                                                                                                                                  |                             |                             |                             |                             |                             |                             |                             |                             |                             |                             |                             |
| Sample Identification                                                                                                                                                                                                                                              | Date/Time Sampled           | Sample Matrix               | See Page 1                  |                             |                             |                             |                             |                             |                             |                             |                             |
| Endpoint 14                                                                                                                                                                                                                                                        | 8/6/15 1240                 | S                           |                             |                             |                             |                             |                             |                             |                             |                             |                             |
| Endpoint 15                                                                                                                                                                                                                                                        | 1250                        |                             |                             |                             |                             |                             |                             |                             |                             |                             |                             |
| Endpoint 16                                                                                                                                                                                                                                                        | 1300                        |                             |                             |                             |                             |                             |                             |                             |                             |                             |                             |
| Endpoint 17                                                                                                                                                                                                                                                        | 1320                        |                             |                             |                             |                             |                             |                             |                             |                             |                             |                             |
| Endpoint 18                                                                                                                                                                                                                                                        | 1340                        |                             |                             |                             |                             |                             |                             |                             |                             |                             |                             |
| <b>Comments</b>                                                                                                                                                                                                                                                    |                             |                             |                             |                             |                             |                             |                             |                             |                             |                             |                             |
| 4°C <input checked="" type="checkbox"/> Frozen <input type="checkbox"/> HCl <input type="checkbox"/> MeOH <input type="checkbox"/> HNO <sub>3</sub> <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> NaOH <input type="checkbox"/> |                             |                             |                             |                             |                             |                             |                             |                             |                             |                             |                             |
| Preservation Check those Applicable<br>Special Instructions<br>Field Filtered <input type="checkbox"/><br>Lab to Filter <input type="checkbox"/>                                                                                                                   |                             |                             |                             |                             |                             |                             |                             |                             |                             |                             |                             |
| Samples Relinquished By <u>Kathryn Loddengard</u> Date/Time <u>8/7/15 5pm</u>                                                                                                                                                                                      |                             |                             |                             |                             |                             |                             |                             |                             |                             |                             |                             |
| Samples Relinquished By <u>Kathryn Loddengard</u> Date/Time <u>8/7/15 1632</u>                                                                                                                                                                                     |                             |                             |                             |                             |                             |                             |                             |                             |                             |                             |                             |
| Samples Received By <u>Kathryn Loddengard</u> Date/Time <u>8/7/15 1238pm</u>                                                                                                                                                                                       |                             |                             |                             |                             |                             |                             |                             |                             |                             |                             |                             |
| Temperature on Receipt <u>4.4 °C</u>                                                                                                                                                                                                                               |                             |                             |                             |                             |                             |                             |                             |                             |                             |                             |                             |



# Technical Report

prepared for:

**Enviroscience Consultants, Inc.**  
2150 Smithtown Avenue  
Ronkonkoma NY, 11779  
**Attention: Kathryn Loddengaard**

Report Date: 08/31/2015  
**Client Project ID: Roberto Clemente**  
York Project (SDG) No.: 15H0765

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 08/31/2015  
Client Project ID: Roberto Clemente  
York Project (SDG) No.: 15H0765

**Enviroscience Consultants, Inc.**  
2150 Smithtown Avenue  
Ronkonkoma NY, 11779  
Attention: Kathryn Loddengaard

---

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 24, 2015 and listed below. The project was identified as your project: **Roberto Clemente**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

| <u>York Sample ID</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Date Collected</u> | <u>Date Received</u> |
|-----------------------|-------------------------|---------------|-----------------------|----------------------|
| 15H0765-01            | Endpoint 19             | Soil          | 08/24/2015            | 08/24/2015           |
| 15H0765-02            | Endpoint 20             | Soil          | 08/24/2015            | 08/24/2015           |
| 15H0765-03            | Endpoint 21             | Soil          | 08/24/2015            | 08/24/2015           |
| 15H0765-04            | Endpoint 22             | Soil          | 08/24/2015            | 08/24/2015           |
| 15H0765-05            | Endpoint 23             | Soil          | 08/24/2015            | 08/24/2015           |
| 15H0765-06            | Endpoint 24             | Soil          | 08/24/2015            | 08/24/2015           |
| 15H0765-07            | Endpoint 25             | Soil          | 08/24/2015            | 08/24/2015           |

## **General Notes for York Project (SDG) No.: 15H0765**

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

**Approved By:**



Benjamin Gulizia  
Laboratory Director

**Date:** 08/31/2015





## Sample Information

**Client Sample ID:** Endpoint 19

**York Sample ID:** 15H0765-01

**York Project (SDG) No.**

15H0765

**Client Project ID**

Roberto Clemente

**Matrix**

Soil

**Collection Date/Time**

August 24, 2015 10:30 am

**Date Received**

08/24/2015

### Volatile Organics, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.   | Parameter                      | Result    | Flag | Units     | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|--------------------------------|-----------|------|-----------|------------------------|-----|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 71-55-6   | 1,1,1-Trichloroethane          | ND        |      | ug/kg dry | 3.4                    | 6.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 01:24      | SS      |
| 75-34-3   | 1,1-Dichloroethane             | ND        |      | ug/kg dry | 3.4                    | 6.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 01:24      | SS      |
| 75-35-4   | 1,1-Dichloroethylene           | ND        |      | ug/kg dry | 3.4                    | 6.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 01:24      | SS      |
| 95-63-6   | 1,2,4-Trimethylbenzene         | ND        |      | ug/kg dry | 3.4                    | 6.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 01:24      | SS      |
| 95-50-1   | 1,2-Dichlorobenzene            | ND        |      | ug/kg dry | 3.4                    | 6.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 01:24      | SS      |
| 107-06-2  | 1,2-Dichloroethane             | ND        |      | ug/kg dry | 3.4                    | 6.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 01:24      | SS      |
| 108-67-8  | 1,3,5-Trimethylbenzene         | ND        |      | ug/kg dry | 3.4                    | 6.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 01:24      | SS      |
| 541-73-1  | 1,3-Dichlorobenzene            | ND        |      | ug/kg dry | 3.4                    | 6.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 01:24      | SS      |
| 106-46-7  | 1,4-Dichlorobenzene            | ND        |      | ug/kg dry | 3.4                    | 6.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 01:24      | SS      |
| 123-91-1  | 1,4-Dioxane                    | ND        |      | ug/kg dry | 68                     | 140 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 08/27/2015 16:53      | 08/28/2015 01:24      | SS      |
| 78-93-3   | 2-Butanone                     | ND        |      | ug/kg dry | 3.4                    | 6.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 01:24      | SS      |
| 67-64-1   | Acetone                        | ND        |      | ug/kg dry | 6.8                    | 14  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 01:24      | SS      |
| 71-43-2   | Benzene                        | ND        |      | ug/kg dry | 3.4                    | 6.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 01:24      | SS      |
| 56-23-5   | Carbon tetrachloride           | ND        |      | ug/kg dry | 3.4                    | 6.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 01:24      | SS      |
| 108-90-7  | Chlorobenzene                  | ND        |      | ug/kg dry | 3.4                    | 6.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 01:24      | SS      |
| 67-66-3   | Chloroform                     | ND        |      | ug/kg dry | 3.4                    | 6.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 01:24      | SS      |
| 156-59-2  | cis-1,2-Dichloroethylene       | ND        |      | ug/kg dry | 3.4                    | 6.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 01:24      | SS      |
| 100-41-4  | Ethyl Benzene                  | ND        |      | ug/kg dry | 3.4                    | 6.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 01:24      | SS      |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND        |      | ug/kg dry | 3.4                    | 6.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 01:24      | SS      |
| 75-09-2   | <b>Methylene chloride</b>      | <b>20</b> |      | ug/kg dry | 6.8                    | 14  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 01:24      | SS      |
| 91-20-3   | Naphthalene                    | ND        |      | ug/kg dry | 3.4                    | 14  | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 08/27/2015 16:53      | 08/28/2015 01:24      | SS      |





## Sample Information

**Client Sample ID:** Endpoint 19

**York Sample ID:** 15H0765-01

York Project (SDG) No.  
15H0765

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 24, 2015 10:30 am

Date Received  
08/24/2015

### Volatile Organics, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.     | Parameter                  | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-------------|----------------------------|--------|------|-----------|------------------------|-----|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 104-51-8    | n-Butylbenzene             | ND     |      | ug/kg dry | 3.4                    | 6.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 01:24      | SS      |
| 103-65-1    | n-Propylbenzene            | ND     |      | ug/kg dry | 3.4                    | 6.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 01:24      | SS      |
| 95-47-6     | o-Xylene                   | ND     |      | ug/kg dry | 3.4                    | 6.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 08/27/2015 16:53      | 08/28/2015 01:24      | SS      |
| 179601-23-1 | p- & m- Xylenes            | ND     |      | ug/kg dry | 6.8                    | 14  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 08/27/2015 16:53      | 08/28/2015 01:24      | SS      |
| 135-98-8    | sec-Butylbenzene           | ND     |      | ug/kg dry | 3.4                    | 6.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 01:24      | SS      |
| 98-06-6     | tert-Butylbenzene          | ND     |      | ug/kg dry | 3.4                    | 6.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 01:24      | SS      |
| 127-18-4    | Tetrachloroethylene        | ND     |      | ug/kg dry | 3.4                    | 6.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 01:24      | SS      |
| 108-88-3    | Toluene                    | ND     |      | ug/kg dry | 3.4                    | 6.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 01:24      | SS      |
| 156-60-5    | trans-1,2-Dichloroethylene | ND     |      | ug/kg dry | 3.4                    | 6.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 01:24      | SS      |
| 79-01-6     | Trichloroethylene          | ND     |      | ug/kg dry | 3.4                    | 6.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 01:24      | SS      |
| 75-01-4     | Vinyl Chloride             | ND     |      | ug/kg dry | 3.4                    | 6.8 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 01:24      | SS      |
| 1330-20-7   | Xylenes, Total             | ND     |      | ug/kg dry | 10                     | 20  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 01:24      | SS      |

| Surrogate Recoveries |                                  | Result | Acceptance Range |
|----------------------|----------------------------------|--------|------------------|
| 17060-07-0           | Surrogate: 1,2-Dichloroethane-d4 | 109 %  | 77-125           |
| 2037-26-5            | Surrogate: Toluene-d8            | 102 %  | 85-120           |
| 460-00-4             | Surrogate: p-Bromofluorobenzene  | 114 %  | 76-130           |

### Semi-Volatiles, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter            | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|----------------------|--------|------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 95-48-7    | 2-Methylphenol       | ND     |      | ug/kg dry | 42.9                   | 85.5 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 22:12      | KH      |
| 65794-96-9 | 3- & 4-Methylphenols | ND     |      | ug/kg dry | 42.9                   | 85.5 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/26/2015 08:53      | 08/26/2015 22:12      | KH      |
| 83-32-9    | Acenaphthene         | 166    |      | ug/kg dry | 42.9                   | 85.5 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 22:12      | KH      |
| 208-96-8   | Acenaphthylene       | 71.1   | J    | ug/kg dry | 42.9                   | 85.5 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 22:12      | KH      |
| 120-12-7   | Anthracene           | 365    |      | ug/kg dry | 42.9                   | 85.5 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 22:12      | KH      |



## Sample Information

**Client Sample ID:** Endpoint 19

**York Sample ID:** 15H0765-01

York Project (SDG) No.  
15H0765

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 24, 2015 10:30 am

Date Received  
08/24/2015

### Semi-Volatiles, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.              | Parameter                       | Result | Flag             | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------------------|---------------------------------|--------|------------------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 56-55-3              | Benzo(a)anthracene              | 1030   |                  | ug/kg dry | 42.9                   | 85.5 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 22:12      | KH      |
| 50-32-8              | Benzo(a)pyrene                  | 651    |                  | ug/kg dry | 42.9                   | 85.5 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 22:12      | KH      |
| 205-99-2             | Benzo(b)fluoranthene            | 748    |                  | ug/kg dry | 42.9                   | 85.5 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 22:12      | KH      |
| 191-24-2             | Benzo(g,h,i)perylene            | 310    |                  | ug/kg dry | 42.9                   | 85.5 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 22:12      | KH      |
| 207-08-9             | Benzo(k)fluoranthene            | 806    |                  | ug/kg dry | 42.9                   | 85.5 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 22:12      | KH      |
| 218-01-9             | Chrysene                        | 985    |                  | ug/kg dry | 42.9                   | 85.5 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 22:12      | KH      |
| 53-70-3              | Dibenzo(a,h)anthracene          | 210    |                  | ug/kg dry | 42.9                   | 85.5 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 22:12      | KH      |
| 132-64-9             | Dibenzofuran                    | 97.7   |                  | ug/kg dry | 42.9                   | 85.5 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/26/2015 08:53      | 08/26/2015 22:12      | KH      |
| 206-44-0             | Fluoranthene                    | 1760   |                  | ug/kg dry | 42.9                   | 85.5 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 22:12      | KH      |
| 86-73-7              | Fluorene                        | 184    |                  | ug/kg dry | 42.9                   | 85.5 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP       | 08/26/2015 08:53      | 08/26/2015 22:12      | KH      |
| 118-74-1             | Hexachlorobenzene               | ND     |                  | ug/kg dry | 42.9                   | 85.5 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 22:12      | KH      |
| 193-39-5             | Indeno(1,2,3-cd)pyrene          | 353    |                  | ug/kg dry | 42.9                   | 85.5 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 22:12      | KH      |
| 91-20-3              | Naphthalene                     | 114    |                  | ug/kg dry | 42.9                   | 85.5 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/26/2015 08:53      | 08/26/2015 22:12      | KH      |
| 87-86-5              | Pentachlorophenol               | ND     |                  | ug/kg dry | 42.9                   | 85.5 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 22:12      | KH      |
| 85-01-8              | Phenanthrene                    | 1510   |                  | ug/kg dry | 42.9                   | 85.5 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 22:12      | KH      |
| 108-95-2             | Phenol                          | ND     |                  | ug/kg dry | 42.9                   | 85.5 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 22:12      | KH      |
| 129-00-0             | Pyrene                          | 1550   |                  | ug/kg dry | 42.9                   | 85.5 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 22:12      | KH      |
| Surrogate Recoveries |                                 | Result | Acceptance Range |           |                        |      |          |                                                              |                       |                       |         |
| 367-12-4             | Surrogate: 2-Fluorophenol       | 52.5 % | 10-95            |           |                        |      |          |                                                              |                       |                       |         |
| 4165-62-2            | Surrogate: Phenol-d5            | 55.6 % | 10-107           |           |                        |      |          |                                                              |                       |                       |         |
| 4165-60-0            | Surrogate: Nitrobenzene-d5      | 47.7 % | 10-95            |           |                        |      |          |                                                              |                       |                       |         |
| 321-60-8             | Surrogate: 2-Fluorobiphenyl     | 45.6 % | 10-97            |           |                        |      |          |                                                              |                       |                       |         |
| 118-79-6             | Surrogate: 2,4,6-Tribromophenol | 72.5 % | 10-103           |           |                        |      |          |                                                              |                       |                       |         |
| 1718-51-0            | Surrogate: Terphenyl-d14        | 51.1 % | 19-99            |           |                        |      |          |                                                              |                       |                       |         |

### Pesticides, NYSDEC Part 375 Target List

### Log-in Notes:

### Sample Notes:





## Sample Information

**Client Sample ID:** Endpoint 19

**York Sample ID:** 15H0765-01

York Project (SDG) No.  
15H0765

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 24, 2015 10:30 am

Date Received  
08/24/2015

Sample Prepared by Method: EPA 3550C

| CAS No.              | Parameter                       | Result | Flag             | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------------------|---------------------------------|--------|------------------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 72-54-8              | 4,4'-DDD                        | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:09      | AMC     |
| 72-55-9              | 4,4'-DDE                        | 11.1   |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:09      | AMC     |
| 50-29-3              | 4,4'-DDT                        | 39.9   |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:09      | AMC     |
| 309-00-2             | Aldrin                          | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:09      | AMC     |
| 319-84-6             | alpha-BHC                       | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:09      | AMC     |
| 5103-71-9            | alpha-Chlordane                 | 13.0   |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP             | 08/25/2015 13:09      | 08/27/2015 13:09      | AMC     |
| 319-85-7             | beta-BHC                        | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:09      | AMC     |
| 319-86-8             | delta-BHC                       | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:09      | AMC     |
| 60-57-1              | Dieldrin                        | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:09      | AMC     |
| 959-98-8             | Endosulfan I                    | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:09      | AMC     |
| 33213-65-9           | Endosulfan II                   | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:09      | AMC     |
| 1031-07-8            | Endosulfan sulfate              | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:09      | AMC     |
| 72-20-8              | Endrin                          | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:09      | AMC     |
| 58-89-9              | gamma-BHC (Lindane)             | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:09      | AMC     |
| 76-44-8              | Heptachlor                      | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:09      | AMC     |
| Surrogate Recoveries |                                 | Result | Acceptance Range |           |         |                    |          |                                                              |                       |                       |         |
| 877-09-8             | Surrogate: Tetrachloro-m-xylene | 67.3 % | 30-140           |           |         |                    |          |                                                              |                       |                       |         |
| 2051-24-3            | Surrogate: Decachlorobiphenyl   | 78.4 % | 30-140           |           |         |                    |          |                                                              |                       |                       |         |

## Polychlorinated Biphenyls (PCB)

## Log-in Notes:

## Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter    | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|--------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 12674-11-2 | Aroclor 1016 | ND     |      | mg/kg dry | 0.0171  | 0.0171             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 19:51      | AMC     |
| 11104-28-2 | Aroclor 1221 | ND     |      | mg/kg dry | 0.0171  | 0.0171             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 19:51      | AMC     |
| 11141-16-5 | Aroclor 1232 | ND     |      | mg/kg dry | 0.0171  | 0.0171             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 19:51      | AMC     |



## Sample Information

**Client Sample ID:** Endpoint 19

**York Sample ID:** 15H0765-01

York Project (SDG) No.  
15H0765

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 24, 2015 10:30 am

Date Received  
08/24/2015

### Polychlorinated Biphenyls (PCB)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag                    | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 53469-21-9                  | Aroclor 1242                    | ND            |                         | mg/kg dry | 0.0171  | 0.0171             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 19:51      | AMC     |
| 12672-29-6                  | Aroclor 1248                    | ND            |                         | mg/kg dry | 0.0171  | 0.0171             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 19:51      | AMC     |
| 11097-69-1                  | Aroclor 1254                    | ND            |                         | mg/kg dry | 0.0171  | 0.0171             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 19:51      | AMC     |
| 11096-82-5                  | <b>Aroclor 1260</b>             | <b>0.0409</b> |                         | mg/kg dry | 0.0171  | 0.0171             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 19:51      | AMC     |
| 1336-36-3                   | <b>* Total PCBs</b>             | <b>0.0409</b> |                         | mg/kg dry | 0.0171  | 0.0171             | 1        | EPA 8082A<br>Certifications:                                 | 08/25/2015 13:09      | 08/26/2015 19:51      | AMC     |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> | <b>Acceptance Range</b> |           |         |                    |          |                                                              |                       |                       |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 64.7 %        | 30-140                  |           |         |                    |          |                                                              |                       |                       |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 63.3 %        | 30-140                  |           |         |                    |          |                                                              |                       |                       |         |

### Herbicides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

| CAS No.                     | Parameter                                       | Result        | Flag                    | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|-------------------------------------------------|---------------|-------------------------|-----------|---------|--------------------|----------|----------------------------------------------------------------|-----------------------|-----------------------|---------|
| 93-72-1                     | 2,4,5-TP (Silvex)                               | ND            |                         | ug/kg dry | 20.5    | 20.5               | 1        | EPA 8151A m<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/28/2015 07:49      | 08/28/2015 16:49      | SA      |
| <b>Surrogate Recoveries</b> |                                                 | <b>Result</b> | <b>Acceptance Range</b> |           |         |                    |          |                                                                |                       |                       |         |
| 19719-28-9                  | Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) | 75.4 %        | 30-150                  |           |         |                    |          |                                                                |                       |                       |         |

### Metals, NYSDEC Part 375

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter        | Result      | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|------------------|-------------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7440-38-2 | <b>Arsenic</b>   | <b>4.14</b> |      | mg/kg dry | 1.03    | 1.03               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:10      | ALD     |
| 7440-39-3 | <b>Barium</b>    | <b>233</b>  |      | mg/kg dry | 1.03    | 1.03               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:10      | ALD     |
| 7440-41-7 | Beryllium        | ND          |      | mg/kg dry | 0.103   | 0.103              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/25/2015 14:48      | 08/25/2015 21:10      | ALD     |
| 7440-43-9 | Cadmium          | ND          |      | mg/kg dry | 0.308   | 0.308              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:10      | ALD     |
| 7440-47-3 | <b>Chromium</b>  | <b>20.5</b> |      | mg/kg dry | 0.513   | 0.513              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:10      | ALD     |
| 7440-50-8 | <b>Copper</b>    | <b>89.0</b> |      | mg/kg dry | 0.513   | 0.513              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/25/2015 14:48      | 08/25/2015 21:10      | ALD     |
| 7439-92-1 | <b>Lead</b>      | <b>321</b>  |      | mg/kg dry | 0.308   | 0.308              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:10      | ALD     |
| 7439-96-5 | <b>Manganese</b> | <b>247</b>  |      | mg/kg dry | 0.513   | 0.513              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/25/2015 14:48      | 08/25/2015 21:10      | ALD     |



## Sample Information

**Client Sample ID:** Endpoint 19

**York Sample ID:** 15H0765-01

York Project (SDG) No.

15H0765

Client Project ID

Roberto Clemente

Matrix

Soil

Collection Date/Time

August 24, 2015 10:30 am

Date Received

08/24/2015

### Metals, NYSDEC Part 375

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7440-02-0 | Nickel    | 18.7   |      | mg/kg dry | 0.513   | 0.513              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:10      | ALD     |
| 7782-49-2 | Selenium  | 1.90   |      | mg/kg dry | 1.03    | 1.03               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:10      | ALD     |
| 7440-22-4 | Silver    | ND     |      | mg/kg dry | 0.513   | 0.513              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:10      | ALD     |
| 7440-66-6 | Zinc      | 229    |      | mg/kg dry | 1.03    | 1.03               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/25/2015 14:48      | 08/25/2015 21:10      | ALD     |

### Mercury by 7473

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7439-97-6 | Mercury   | 0.484  |      | mg/kg dry | 0.0308  | 0.0308             | 1        | EPA 7473<br>Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 08/26/2015 07:47      | 08/26/2015 08:29      | KV      |

### Total Solids

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter  | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                  | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|------------|--------|------|-------|---------|--------------------|----------|-----------------------------------|-----------------------|-----------------------|---------|
| solids  | * % Solids | 97.5   |      | %     | 0.100   | 0.100              | 1        | SM 2540G<br>Certifications: CTDOH | 08/24/2015 18:24      | 08/25/2015 12:04      | KK      |

### Chromium, Hexavalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW846-3060

| CAS No.    | Parameter            | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                       | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|----------------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------|-----------------------|-----------------------|---------|
| 18540-29-9 | Chromium, Hexavalent | ND     |      | mg/kg dry | 0.359   | 0.513              | 1        | EPA 7196A<br>Certifications: NJDEP,CTDOH,NELAC-NY10854 | 08/26/2015 08:05      | 08/26/2015 14:38      | SC      |

### Chromium, Trivalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

| CAS No.    | Parameter             | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|-----------------------|--------|------|-------|---------|--------------------|----------|--------------------------------|-----------------------|-----------------------|---------|
| 16065-83-1 | * Chromium, Trivalent | 20.5   |      | mg/kg | 0.250   | 0.500              | 1        | Calculation<br>Certifications: | 08/28/2015 16:55      | 08/28/2015 17:01      | SC      |

### Cyanide, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

| CAS No. | Parameter      | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|----------------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 57-12-5 | Cyanide, total | ND     |      | mg/kg dry | 0.513   | 0.513              | 1        | EPA 9014/9010C<br>Certifications: NELAC-NY10854,CTDOH,NJDEP | 08/25/2015 09:01      | 08/25/2015 14:10      | AD      |



## Sample Information

**Client Sample ID:** Endpoint 20

**York Sample ID:** 15H0765-02

**York Project (SDG) No.**  
15H0765

**Client Project ID**  
Roberto Clemente

**Matrix**  
Soil

**Collection Date/Time**  
August 24, 2015 10:40 am

**Date Received**  
08/24/2015

### Volatile Organics, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.   | Parameter                      | Result    | Flag | Units     | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|--------------------------------|-----------|------|-----------|------------------------|-----|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 71-55-6   | 1,1,1-Trichloroethane          | ND        |      | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 01:59      | SS      |
| 75-34-3   | 1,1-Dichloroethane             | ND        |      | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 01:59      | SS      |
| 75-35-4   | 1,1-Dichloroethylene           | ND        |      | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 01:59      | SS      |
| 95-63-6   | 1,2,4-Trimethylbenzene         | ND        |      | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 01:59      | SS      |
| 95-50-1   | 1,2-Dichlorobenzene            | ND        |      | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 01:59      | SS      |
| 107-06-2  | 1,2-Dichloroethane             | ND        |      | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 01:59      | SS      |
| 108-67-8  | 1,3,5-Trimethylbenzene         | ND        |      | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 01:59      | SS      |
| 541-73-1  | 1,3-Dichlorobenzene            | ND        |      | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 01:59      | SS      |
| 106-46-7  | 1,4-Dichlorobenzene            | ND        |      | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 01:59      | SS      |
| 123-91-1  | 1,4-Dioxane                    | ND        |      | ug/kg dry | 66                     | 130 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 08/27/2015 16:53      | 08/28/2015 01:59      | SS      |
| 78-93-3   | 2-Butanone                     | ND        |      | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 01:59      | SS      |
| 67-64-1   | Acetone                        | ND        |      | ug/kg dry | 6.6                    | 13  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 01:59      | SS      |
| 71-43-2   | Benzene                        | ND        |      | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 01:59      | SS      |
| 56-23-5   | Carbon tetrachloride           | ND        |      | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 01:59      | SS      |
| 108-90-7  | Chlorobenzene                  | ND        |      | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 01:59      | SS      |
| 67-66-3   | Chloroform                     | ND        |      | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 01:59      | SS      |
| 156-59-2  | cis-1,2-Dichloroethylene       | ND        |      | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 01:59      | SS      |
| 100-41-4  | Ethyl Benzene                  | ND        |      | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 01:59      | SS      |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND        |      | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 01:59      | SS      |
| 75-09-2   | <b>Methylene chloride</b>      | <b>29</b> |      | ug/kg dry | 6.6                    | 13  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 01:59      | SS      |
| 91-20-3   | Naphthalene                    | ND        |      | ug/kg dry | 3.3                    | 13  | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 08/27/2015 16:53      | 08/28/2015 01:59      | SS      |



## Sample Information

**Client Sample ID:** Endpoint 20

**York Sample ID:** 15H0765-02

York Project (SDG) No.  
15H0765

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 24, 2015 10:40 am

Date Received  
08/24/2015

### Volatile Organics, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.     | Parameter                  | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-------------|----------------------------|--------|------|-----------|------------------------|-----|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 104-51-8    | n-Butylbenzene             | ND     |      | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 01:59      | SS      |
| 103-65-1    | n-Propylbenzene            | ND     |      | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 01:59      | SS      |
| 95-47-6     | o-Xylene                   | ND     |      | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 08/27/2015 16:53      | 08/28/2015 01:59      | SS      |
| 179601-23-1 | p- & m- Xylenes            | ND     |      | ug/kg dry | 6.6                    | 13  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 08/27/2015 16:53      | 08/28/2015 01:59      | SS      |
| 135-98-8    | sec-Butylbenzene           | ND     |      | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 01:59      | SS      |
| 98-06-6     | tert-Butylbenzene          | ND     |      | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 01:59      | SS      |
| 127-18-4    | Tetrachloroethylene        | ND     |      | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 01:59      | SS      |
| 108-88-3    | Toluene                    | ND     |      | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 01:59      | SS      |
| 156-60-5    | trans-1,2-Dichloroethylene | ND     |      | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 01:59      | SS      |
| 79-01-6     | Trichloroethylene          | ND     |      | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 01:59      | SS      |
| 75-01-4     | Vinyl Chloride             | ND     |      | ug/kg dry | 3.3                    | 6.6 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 01:59      | SS      |
| 1330-20-7   | Xylenes, Total             | ND     |      | ug/kg dry | 9.9                    | 20  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 01:59      | SS      |

| Surrogate Recoveries |                                  | Result | Acceptance Range |
|----------------------|----------------------------------|--------|------------------|
| 17060-07-0           | Surrogate: 1,2-Dichloroethane-d4 | 105 %  | 77-125           |
| 2037-26-5            | Surrogate: Toluene-d8            | 99.9 % | 85-120           |
| 460-00-4             | Surrogate: p-Bromofluorobenzene  | 110 %  | 76-130           |

### Semi-Volatiles, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter            | Result      | Flag | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|----------------------|-------------|------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 95-48-7    | 2-Methylphenol       | ND          |      | ug/kg dry | 42.6                   | 85.1 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 22:43      | KH      |
| 65794-96-9 | 3- & 4-Methylphenols | ND          |      | ug/kg dry | 42.6                   | 85.1 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/26/2015 08:53      | 08/26/2015 22:43      | KH      |
| 83-32-9    | Acenaphthene         | ND          |      | ug/kg dry | 42.6                   | 85.1 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 22:43      | KH      |
| 208-96-8   | Acenaphthylene       | ND          |      | ug/kg dry | 42.6                   | 85.1 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 22:43      | KH      |
| 120-12-7   | <b>Anthracene</b>    | <b>76.9</b> | J    | ug/kg dry | 42.6                   | 85.1 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 22:43      | KH      |



## Sample Information

**Client Sample ID:** Endpoint 20

**York Sample ID:** 15H0765-02

York Project (SDG) No.  
15H0765

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 24, 2015 10:40 am

Date Received  
08/24/2015

### Semi-Volatiles, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.              | Parameter                       | Result | Flag             | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------------------|---------------------------------|--------|------------------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 56-55-3              | Benzo(a)anthracene              | 279    |                  | ug/kg dry | 42.6                   | 85.1 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 22:43      | KH      |
| 50-32-8              | Benzo(a)pyrene                  | 180    |                  | ug/kg dry | 42.6                   | 85.1 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 22:43      | KH      |
| 205-99-2             | Benzo(b)fluoranthene            | 215    |                  | ug/kg dry | 42.6                   | 85.1 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 22:43      | KH      |
| 191-24-2             | Benzo(g,h,i)perylene            | 94.5   |                  | ug/kg dry | 42.6                   | 85.1 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 22:43      | KH      |
| 207-08-9             | Benzo(k)fluoranthene            | 236    |                  | ug/kg dry | 42.6                   | 85.1 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 22:43      | KH      |
| 218-01-9             | Chrysene                        | 280    |                  | ug/kg dry | 42.6                   | 85.1 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 22:43      | KH      |
| 53-70-3              | Dibenzo(a,h)anthracene          | ND     |                  | ug/kg dry | 42.6                   | 85.1 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 22:43      | KH      |
| 132-64-9             | Dibenzofuran                    | ND     |                  | ug/kg dry | 42.6                   | 85.1 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/26/2015 08:53      | 08/26/2015 22:43      | KH      |
| 206-44-0             | Fluoranthene                    | 540    |                  | ug/kg dry | 42.6                   | 85.1 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 22:43      | KH      |
| 86-73-7              | Fluorene                        | ND     |                  | ug/kg dry | 42.6                   | 85.1 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP       | 08/26/2015 08:53      | 08/26/2015 22:43      | KH      |
| 118-74-1             | Hexachlorobenzene               | ND     |                  | ug/kg dry | 42.6                   | 85.1 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 22:43      | KH      |
| 193-39-5             | Indeno(1,2,3-cd)pyrene          | 79.6   | J                | ug/kg dry | 42.6                   | 85.1 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 22:43      | KH      |
| 91-20-3              | Naphthalene                     | ND     |                  | ug/kg dry | 42.6                   | 85.1 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/26/2015 08:53      | 08/26/2015 22:43      | KH      |
| 87-86-5              | Pentachlorophenol               | ND     |                  | ug/kg dry | 42.6                   | 85.1 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 22:43      | KH      |
| 85-01-8              | Phenanthrene                    | 355    |                  | ug/kg dry | 42.6                   | 85.1 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 22:43      | KH      |
| 108-95-2             | Phenol                          | ND     |                  | ug/kg dry | 42.6                   | 85.1 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 22:43      | KH      |
| 129-00-0             | Pyrene                          | 441    |                  | ug/kg dry | 42.6                   | 85.1 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 22:43      | KH      |
| Surrogate Recoveries |                                 | Result | Acceptance Range |           |                        |      |          |                                                              |                       |                       |         |
| 367-12-4             | Surrogate: 2-Fluorophenol       | 56.6 % | 10-95            |           |                        |      |          |                                                              |                       |                       |         |
| 4165-62-2            | Surrogate: Phenol-d5            | 60.2 % | 10-107           |           |                        |      |          |                                                              |                       |                       |         |
| 4165-60-0            | Surrogate: Nitrobenzene-d5      | 53.4 % | 10-95            |           |                        |      |          |                                                              |                       |                       |         |
| 321-60-8             | Surrogate: 2-Fluorobiphenyl     | 49.0 % | 10-97            |           |                        |      |          |                                                              |                       |                       |         |
| 118-79-6             | Surrogate: 2,4,6-Tribromophenol | 82.6 % | 10-103           |           |                        |      |          |                                                              |                       |                       |         |
| 1718-51-0            | Surrogate: Terphenyl-d14        | 54.7 % | 19-99            |           |                        |      |          |                                                              |                       |                       |         |

### Pesticides, NYSDEC Part 375 Target List

### Log-in Notes:

### Sample Notes:



## Sample Information

**Client Sample ID:** Endpoint 20

**York Sample ID:** 15H0765-02

York Project (SDG) No.  
15H0765

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 24, 2015 10:40 am

Date Received  
08/24/2015

Sample Prepared by Method: EPA 3550C

| CAS No.              | Parameter                       | Result | Flag             | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------------------|---------------------------------|--------|------------------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 72-54-8              | 4,4'-DDD                        | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:24      | AMC     |
| 72-55-9              | 4,4'-DDE                        | 6.17   |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:24      | AMC     |
| 50-29-3              | 4,4'-DDT                        | 24.3   |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:24      | AMC     |
| 309-00-2             | Aldrin                          | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:24      | AMC     |
| 319-84-6             | alpha-BHC                       | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:24      | AMC     |
| 5103-71-9            | alpha-Chlordane                 | 7.36   |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP             | 08/25/2015 13:09      | 08/27/2015 13:24      | AMC     |
| 319-85-7             | beta-BHC                        | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:24      | AMC     |
| 319-86-8             | delta-BHC                       | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:24      | AMC     |
| 60-57-1              | Dieldrin                        | 2.96   |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:24      | AMC     |
| 959-98-8             | Endosulfan I                    | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:24      | AMC     |
| 33213-65-9           | Endosulfan II                   | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:24      | AMC     |
| 1031-07-8            | Endosulfan sulfate              | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:24      | AMC     |
| 72-20-8              | Endrin                          | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:24      | AMC     |
| 58-89-9              | gamma-BHC (Lindane)             | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:24      | AMC     |
| 76-44-8              | Heptachlor                      | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:24      | AMC     |
| Surrogate Recoveries |                                 | Result | Acceptance Range |           |         |                    |          |                                                              |                       |                       |         |
| 877-09-8             | Surrogate: Tetrachloro-m-xylene | 61.9 % | 30-140           |           |         |                    |          |                                                              |                       |                       |         |
| 2051-24-3            | Surrogate: Decachlorobiphenyl   | 91.8 % | 30-140           |           |         |                    |          |                                                              |                       |                       |         |

## Polychlorinated Biphenyls (PCB)

## Log-in Notes:

## Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter    | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|--------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 12674-11-2 | Aroclor 1016 | ND     |      | mg/kg dry | 0.0170  | 0.0170             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 20:21      | AMC     |
| 11104-28-2 | Aroclor 1221 | ND     |      | mg/kg dry | 0.0170  | 0.0170             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 20:21      | AMC     |
| 11141-16-5 | Aroclor 1232 | ND     |      | mg/kg dry | 0.0170  | 0.0170             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 20:21      | AMC     |





## Sample Information

**Client Sample ID:** Endpoint 20

**York Sample ID:** 15H0765-02

York Project (SDG) No.  
15H0765

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 24, 2015 10:40 am

Date Received  
08/24/2015

### Polychlorinated Biphenyls (PCB)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag                    | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 53469-21-9                  | Aroclor 1242                    | ND            |                         | mg/kg dry | 0.0170  | 0.0170             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 20:21      | AMC     |
| 12672-29-6                  | Aroclor 1248                    | ND            |                         | mg/kg dry | 0.0170  | 0.0170             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 20:21      | AMC     |
| 11097-69-1                  | Aroclor 1254                    | ND            |                         | mg/kg dry | 0.0170  | 0.0170             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 20:21      | AMC     |
| 11096-82-5                  | Aroclor 1260                    | ND            |                         | mg/kg dry | 0.0170  | 0.0170             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 20:21      | AMC     |
| 1336-36-3                   | * Total PCBs                    | ND            |                         | mg/kg dry | 0.0170  | 0.0170             | 1        | EPA 8082A<br>Certifications:                                 | 08/25/2015 13:09      | 08/26/2015 20:21      | AMC     |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> | <b>Acceptance Range</b> |           |         |                    |          |                                                              |                       |                       |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 66.7 %        | 30-140                  |           |         |                    |          |                                                              |                       |                       |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 60.9 %        | 30-140                  |           |         |                    |          |                                                              |                       |                       |         |

### Herbicides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

| CAS No.                     | Parameter                                       | Result        | Flag                    | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|-------------------------------------------------|---------------|-------------------------|-----------|---------|--------------------|----------|----------------------------------------------------------------|-----------------------|-----------------------|---------|
| 93-72-1                     | 2,4,5-TP (Silvex)                               | ND            |                         | ug/kg dry | 20.4    | 20.4               | 1        | EPA 8151A m<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/28/2015 07:49      | 08/28/2015 17:19      | SA      |
| <b>Surrogate Recoveries</b> |                                                 | <b>Result</b> | <b>Acceptance Range</b> |           |         |                    |          |                                                                |                       |                       |         |
| 19719-28-9                  | Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) | 88.6 %        | 30-150                  |           |         |                    |          |                                                                |                       |                       |         |

### Metals, NYSDEC Part 375

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7440-38-2 | Arsenic   | 3.21   |      | mg/kg dry | 1.02    | 1.02               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:14      | ALD     |
| 7440-39-3 | Barium    | 95.5   |      | mg/kg dry | 1.02    | 1.02               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:14      | ALD     |
| 7440-41-7 | Beryllium | ND     |      | mg/kg dry | 0.102   | 0.102              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/25/2015 14:48      | 08/25/2015 21:14      | ALD     |
| 7440-43-9 | Cadmium   | ND     |      | mg/kg dry | 0.306   | 0.306              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:14      | ALD     |
| 7440-47-3 | Chromium  | 11.4   |      | mg/kg dry | 0.510   | 0.510              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:14      | ALD     |
| 7440-50-8 | Copper    | 29.1   |      | mg/kg dry | 0.510   | 0.510              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/25/2015 14:48      | 08/25/2015 21:14      | ALD     |
| 7439-92-1 | Lead      | 130    |      | mg/kg dry | 0.306   | 0.306              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:14      | ALD     |



## Sample Information

**Client Sample ID:** Endpoint 20

**York Sample ID:** 15H0765-02

**York Project (SDG) No.**  
15H0765

**Client Project ID**  
Roberto Clemente

**Matrix**  
Soil

**Collection Date/Time**  
August 24, 2015 10:40 am

**Date Received**  
08/24/2015

### Metals, NYSDEC Part 375

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7439-96-5 | Manganese | 132    |      | mg/kg dry | 0.510   | 0.510              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/25/2015 14:48      | 08/25/2015 21:14      | ALD     |
| 7440-02-0 | Nickel    | 9.60   |      | mg/kg dry | 0.510   | 0.510              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:14      | ALD     |
| 7782-49-2 | Selenium  | 1.51   |      | mg/kg dry | 1.02    | 1.02               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:14      | ALD     |
| 7440-22-4 | Silver    | ND     |      | mg/kg dry | 0.510   | 0.510              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:14      | ALD     |
| 7440-66-6 | Zinc      | 110    |      | mg/kg dry | 1.02    | 1.02               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/25/2015 14:48      | 08/25/2015 21:14      | ALD     |

### Mercury by 7473

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7439-97-6 | Mercury   | 0.177  |      | mg/kg dry | 0.0306  | 0.0306             | 1        | EPA 7473<br>Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 08/26/2015 07:47      | 08/26/2015 09:39      | KV      |

### Total Solids

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter  | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                  | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|------------|--------|------|-------|---------|--------------------|----------|-----------------------------------|-----------------------|-----------------------|---------|
| solids  | * % Solids | 98.0   |      | %     | 0.100   | 0.100              | 1        | SM 2540G<br>Certifications: CTDOH | 08/24/2015 18:24      | 08/25/2015 12:04      | KK      |

### Chromium, Hexavalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW846-3060

| CAS No.    | Parameter            | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                       | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|----------------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------|-----------------------|-----------------------|---------|
| 18540-29-9 | Chromium, Hexavalent | ND     |      | mg/kg dry | 0.357   | 0.510              | 1        | EPA 7196A<br>Certifications: NJDEP,CTDOH,NELAC-NY10854 | 08/26/2015 08:05      | 08/26/2015 14:38      | SC      |

### Chromium, Trivalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

| CAS No.    | Parameter             | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|-----------------------|--------|------|-------|---------|--------------------|----------|--------------------------------|-----------------------|-----------------------|---------|
| 16065-83-1 | * Chromium, Trivalent | 11.4   |      | mg/kg | 0.250   | 0.500              | 1        | Calculation<br>Certifications: | 08/28/2015 16:55      | 08/28/2015 17:01      | SC      |

### Cyanide, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|-----------|--------|------|-------|---------|--------------------|----------|------------------|-----------------------|-----------------------|---------|
|---------|-----------|--------|------|-------|---------|--------------------|----------|------------------|-----------------------|-----------------------|---------|



## Sample Information

**Client Sample ID:** Endpoint 20

**York Sample ID:** 15H0765-02

York Project (SDG) No.  
15H0765

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 24, 2015 10:40 am

Date Received  
08/24/2015

### Cyanide, Total

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

| CAS No. | Parameter      | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|----------------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 57-12-5 | Cyanide, total | ND     |      | mg/kg dry | 0.510   | 0.510              | 1        | EPA 9014/9010C<br>Certifications: NELAC-NY10854,CTDOH,NJDEP | 08/25/2015 09:01      | 08/25/2015 14:10      | AD      |

## Sample Information

**Client Sample ID:** Endpoint 21

**York Sample ID:** 15H0765-03

York Project (SDG) No.  
15H0765

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 24, 2015 10:55 am

Date Received  
08/24/2015

### Volatile Organics, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.  | Parameter              | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|------------------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 71-55-6  | 1,1,1-Trichloroethane  | ND     |      | ug/kg dry | 3.4     | 6.9                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 02:33      | SS      |
| 75-34-3  | 1,1-Dichloroethane     | ND     |      | ug/kg dry | 3.4     | 6.9                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 02:33      | SS      |
| 75-35-4  | 1,1-Dichloroethylene   | ND     |      | ug/kg dry | 3.4     | 6.9                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 02:33      | SS      |
| 95-63-6  | 1,2,4-Trimethylbenzene | ND     |      | ug/kg dry | 3.4     | 6.9                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 02:33      | SS      |
| 95-50-1  | 1,2-Dichlorobenzene    | ND     |      | ug/kg dry | 3.4     | 6.9                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 02:33      | SS      |
| 107-06-2 | 1,2-Dichloroethane     | ND     |      | ug/kg dry | 3.4     | 6.9                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 02:33      | SS      |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND     |      | ug/kg dry | 3.4     | 6.9                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 02:33      | SS      |
| 541-73-1 | 1,3-Dichlorobenzene    | ND     |      | ug/kg dry | 3.4     | 6.9                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 02:33      | SS      |
| 106-46-7 | 1,4-Dichlorobenzene    | ND     |      | ug/kg dry | 3.4     | 6.9                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 02:33      | SS      |
| 123-91-1 | 1,4-Dioxane            | ND     |      | ug/kg dry | 69      | 140                | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 08/27/2015 16:53      | 08/28/2015 02:33      | SS      |
| 78-93-3  | 2-Butanone             | ND     |      | ug/kg dry | 3.4     | 6.9                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 02:33      | SS      |
| 67-64-1  | Acetone                | ND     |      | ug/kg dry | 6.9     | 14                 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 02:33      | SS      |
| 71-43-2  | Benzene                | ND     |      | ug/kg dry | 3.4     | 6.9                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 02:33      | SS      |
| 56-23-5  | Carbon tetrachloride   | ND     |      | ug/kg dry | 3.4     | 6.9                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 02:33      | SS      |



## Sample Information

**Client Sample ID:** Endpoint 21

**York Sample ID:** 15H0765-03

York Project (SDG) No.  
15H0765

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 24, 2015 10:55 am

Date Received  
08/24/2015

### Volatile Organics, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.     | Parameter                      | Result    | Flag | Units     | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-------------|--------------------------------|-----------|------|-----------|------------------------|-----|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 108-90-7    | Chlorobenzene                  | ND        |      | ug/kg dry | 3.4                    | 6.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 02:33      | SS      |
| 67-66-3     | Chloroform                     | ND        |      | ug/kg dry | 3.4                    | 6.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 02:33      | SS      |
| 156-59-2    | cis-1,2-Dichloroethylene       | ND        |      | ug/kg dry | 3.4                    | 6.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 02:33      | SS      |
| 100-41-4    | Ethyl Benzene                  | ND        |      | ug/kg dry | 3.4                    | 6.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 02:33      | SS      |
| 1634-04-4   | Methyl tert-butyl ether (MTBE) | ND        |      | ug/kg dry | 3.4                    | 6.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 02:33      | SS      |
| 75-09-2     | <b>Methylene chloride</b>      | <b>30</b> |      | ug/kg dry | 6.9                    | 14  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 02:33      | SS      |
| 91-20-3     | Naphthalene                    | ND        |      | ug/kg dry | 3.4                    | 14  | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 08/27/2015 16:53      | 08/28/2015 02:33      | SS      |
| 104-51-8    | n-Butylbenzene                 | ND        |      | ug/kg dry | 3.4                    | 6.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 02:33      | SS      |
| 103-65-1    | n-Propylbenzene                | ND        |      | ug/kg dry | 3.4                    | 6.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 02:33      | SS      |
| 95-47-6     | o-Xylene                       | ND        |      | ug/kg dry | 3.4                    | 6.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 08/27/2015 16:53      | 08/28/2015 02:33      | SS      |
| 179601-23-1 | p- & m- Xylenes                | ND        |      | ug/kg dry | 6.9                    | 14  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 08/27/2015 16:53      | 08/28/2015 02:33      | SS      |
| 135-98-8    | sec-Butylbenzene               | ND        |      | ug/kg dry | 3.4                    | 6.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 02:33      | SS      |
| 98-06-6     | tert-Butylbenzene              | ND        |      | ug/kg dry | 3.4                    | 6.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 02:33      | SS      |
| 127-18-4    | Tetrachloroethylene            | ND        |      | ug/kg dry | 3.4                    | 6.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 02:33      | SS      |
| 108-88-3    | Toluene                        | ND        |      | ug/kg dry | 3.4                    | 6.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 02:33      | SS      |
| 156-60-5    | trans-1,2-Dichloroethylene     | ND        |      | ug/kg dry | 3.4                    | 6.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 02:33      | SS      |
| 79-01-6     | Trichloroethylene              | ND        |      | ug/kg dry | 3.4                    | 6.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 02:33      | SS      |
| 75-01-4     | Vinyl Chloride                 | ND        |      | ug/kg dry | 3.4                    | 6.9 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 02:33      | SS      |
| 1330-20-7   | Xylenes, Total                 | ND        |      | ug/kg dry | 10                     | 21  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 02:33      | SS      |

|            | Surrogate Recoveries             | Result | Acceptance Range |
|------------|----------------------------------|--------|------------------|
| 17060-07-0 | Surrogate: 1,2-Dichloroethane-d4 | 107 %  | 77-125           |
| 2037-26-5  | Surrogate: Toluene-d8            | 102 %  | 85-120           |
| 460-00-4   | Surrogate: p-Bromofluorobenzene  | 121 %  | 76-130           |



## Sample Information

**Client Sample ID:** Endpoint 21

**York Sample ID:** 15H0765-03

**York Project (SDG) No.**  
15H0765

**Client Project ID**  
Roberto Clemente

**Matrix**  
Soil

**Collection Date/Time**  
August 24, 2015 10:55 am

**Date Received**  
08/24/2015

### Semi-Volatiles, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.              | Parameter                   | Result      | Flag             | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------------------|-----------------------------|-------------|------------------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 95-48-7              | 2-Methylphenol              | ND          |                  | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 16:57      | KH      |
| 65794-96-9           | 3- & 4-Methylphenols        | ND          |                  | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/26/2015 08:53      | 08/26/2015 16:57      | KH      |
| 83-32-9              | Acenaphthene                | ND          |                  | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 16:57      | KH      |
| 208-96-8             | Acenaphthylene              | ND          |                  | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 16:57      | KH      |
| 120-12-7             | Anthracene                  | ND          |                  | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 16:57      | KH      |
| 56-55-3              | <b>Benzo(a)anthracene</b>   | <b>62.5</b> | J                | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 16:57      | KH      |
| 50-32-8              | <b>Benzo(a)pyrene</b>       | <b>51.7</b> | J                | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 16:57      | KH      |
| 205-99-2             | <b>Benzo(b)fluoranthene</b> | <b>59.1</b> | J                | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 16:57      | KH      |
| 191-24-2             | Benzo(g,h,i)perylene        | ND          |                  | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 16:57      | KH      |
| 207-08-9             | <b>Benzo(k)fluoranthene</b> | <b>61.8</b> | J                | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 16:57      | KH      |
| 218-01-9             | <b>Chrysene</b>             | <b>66.5</b> | J                | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 16:57      | KH      |
| 53-70-3              | Dibenzo(a,h)anthracene      | ND          |                  | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 16:57      | KH      |
| 132-64-9             | Dibenzofuran                | ND          |                  | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/26/2015 08:53      | 08/26/2015 16:57      | KH      |
| 206-44-0             | <b>Fluoranthene</b>         | <b>121</b>  |                  | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 16:57      | KH      |
| 86-73-7              | Fluorene                    | ND          |                  | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP       | 08/26/2015 08:53      | 08/26/2015 16:57      | KH      |
| 118-74-1             | Hexachlorobenzene           | ND          |                  | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 16:57      | KH      |
| 193-39-5             | Indeno(1,2,3-cd)pyrene      | ND          |                  | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 16:57      | KH      |
| 91-20-3              | Naphthalene                 | ND          |                  | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/26/2015 08:53      | 08/26/2015 16:57      | KH      |
| 87-86-5              | Pentachlorophenol           | ND          |                  | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 16:57      | KH      |
| 85-01-8              | <b>Phenanthrene</b>         | <b>69.2</b> | J                | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 16:57      | KH      |
| 108-95-2             | Phenol                      | ND          |                  | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 16:57      | KH      |
| 129-00-0             | <b>Pyrene</b>               | <b>98.0</b> |                  | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 16:57      | KH      |
| Surrogate Recoveries |                             | Result      | Acceptance Range |           |                        |      |          |                                                              |                       |                       |         |



## Sample Information

**Client Sample ID:** Endpoint 21

**York Sample ID:** 15H0765-03

York Project (SDG) No.  
15H0765

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 24, 2015 10:55 am

Date Received  
08/24/2015

### Semi-Volatiles, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.   | Parameter                       | Result | Flag | Units | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|---------------------------------|--------|------|-------|------------------------|-----|----------|------------------|-----------------------|-----------------------|---------|
| 367-12-4  | Surrogate: 2-Fluorophenol       | 51.3 % |      |       | 10-95                  |     |          |                  |                       |                       |         |
| 4165-62-2 | Surrogate: Phenol-d5            | 54.3 % |      |       | 10-107                 |     |          |                  |                       |                       |         |
| 4165-60-0 | Surrogate: Nitrobenzene-d5      | 46.9 % |      |       | 10-95                  |     |          |                  |                       |                       |         |
| 321-60-8  | Surrogate: 2-Fluorobiphenyl     | 45.7 % |      |       | 10-97                  |     |          |                  |                       |                       |         |
| 118-79-6  | Surrogate: 2,4,6-Tribromophenol | 69.5 % |      |       | 10-103                 |     |          |                  |                       |                       |         |
| 1718-51-0 | Surrogate: Terphenyl-d14        | 48.3 % |      |       | 19-99                  |     |          |                  |                       |                       |         |

### Pesticides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.              | Parameter                       | Result | Flag             | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------------------|---------------------------------|--------|------------------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 72-54-8              | 4,4'-DDD                        | ND     |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:39      | AMC     |
| 72-55-9              | 4,4'-DDE                        | 6.22   |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:39      | AMC     |
| 50-29-3              | 4,4'-DDT                        | 13.9   |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:39      | AMC     |
| 309-00-2             | Aldrin                          | ND     |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:39      | AMC     |
| 319-84-6             | alpha-BHC                       | ND     |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:39      | AMC     |
| 5103-71-9            | alpha-Chlordane                 | 4.50   |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP             | 08/25/2015 13:09      | 08/27/2015 13:39      | AMC     |
| 319-85-7             | beta-BHC                        | ND     |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:39      | AMC     |
| 319-86-8             | delta-BHC                       | ND     |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:39      | AMC     |
| 60-57-1              | Dieldrin                        | 2.24   |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:39      | AMC     |
| 959-98-8             | Endosulfan I                    | ND     |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:39      | AMC     |
| 33213-65-9           | Endosulfan II                   | ND     |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:39      | AMC     |
| 1031-07-8            | Endosulfan sulfate              | ND     |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:39      | AMC     |
| 72-20-8              | Endrin                          | ND     |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:39      | AMC     |
| 58-89-9              | gamma-BHC (Lindane)             | ND     |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:39      | AMC     |
| 76-44-8              | Heptachlor                      | ND     |                  | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:39      | AMC     |
| Surrogate Recoveries |                                 | Result | Acceptance Range |           |                        |      |          |                                                              |                       |                       |         |
| 877-09-8             | Surrogate: Tetrachloro-m-xylene | 67.6 % | 30-140           |           |                        |      |          |                                                              |                       |                       |         |



## Sample Information

**Client Sample ID:** Endpoint 21

**York Sample ID:** 15H0765-03

York Project (SDG) No.  
15H0765

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 24, 2015 10:55 am

Date Received  
08/24/2015

### Pesticides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.   | Parameter                     | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-------------------------------|--------|------|-------|---------|--------------------|----------|------------------|-----------------------|-----------------------|---------|
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 95.2 % |      |       |         | 30-140             |          |                  |                       |                       |         |

### Polychlorinated Biphenyls (PCB)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter    | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|--------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 12674-11-2 | Aroclor 1016 | ND     |      | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 20:50      | AMC     |
| 11104-28-2 | Aroclor 1221 | ND     |      | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 20:50      | AMC     |
| 11141-16-5 | Aroclor 1232 | ND     |      | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 20:50      | AMC     |
| 53469-21-9 | Aroclor 1242 | ND     |      | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 20:50      | AMC     |
| 12672-29-6 | Aroclor 1248 | ND     |      | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 20:50      | AMC     |
| 11097-69-1 | Aroclor 1254 | ND     |      | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 20:50      | AMC     |
| 11096-82-5 | Aroclor 1260 | ND     |      | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 20:50      | AMC     |
| 1336-36-3  | * Total PCBs | ND     |      | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications:                                 | 08/25/2015 13:09      | 08/26/2015 20:50      | AMC     |

#### **Surrogate Recoveries**

#### **Result**

#### **Acceptance Range**

|           |                                 |        |  |  |  |        |  |  |  |  |  |
|-----------|---------------------------------|--------|--|--|--|--------|--|--|--|--|--|
| 877-09-8  | Surrogate: Tetrachloro-m-xylene | 76.1 % |  |  |  | 30-140 |  |  |  |  |  |
| 2051-24-3 | Surrogate: Decachlorobiphenyl   | 69.6 % |  |  |  | 30-140 |  |  |  |  |  |

### Herbicides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

| CAS No. | Parameter         | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|-------------------|--------|------|-----------|---------|--------------------|----------|----------------------------------------------------------------|-----------------------|-----------------------|---------|
| 93-72-1 | 2,4,5-TP (Silvex) | ND     |      | ug/kg dry | 20.1    | 20.1               | 1        | EPA 8151A m<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/28/2015 07:49      | 08/28/2015 17:34      | SA      |

#### **Surrogate Recoveries**

#### **Result**

#### **Acceptance Range**

|            |                                                 |        |  |  |  |        |  |  |  |  |  |
|------------|-------------------------------------------------|--------|--|--|--|--------|--|--|--|--|--|
| 19719-28-9 | Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) | 79.0 % |  |  |  | 30-150 |  |  |  |  |  |
|------------|-------------------------------------------------|--------|--|--|--|--------|--|--|--|--|--|

### Metals, NYSDEC Part 375

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7440-38-2 | Arsenic   | 2.14   |      | mg/kg dry | 1.01    | 1.01               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:19      | ALD     |





## Sample Information

**Client Sample ID:** Endpoint 21

**York Sample ID:** 15H0765-03

**York Project (SDG) No.**

15H0765

**Client Project ID**

Roberto Clemente

**Matrix**

Soil

**Collection Date/Time**

August 24, 2015 10:55 am

**Date Received**

08/24/2015

### Metals, NYSDEC Part 375

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7440-39-3 | Barium    | 37.5   |      | mg/kg dry | 1.01    | 1.01               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:19      | ALD     |
| 7440-41-7 | Beryllium | ND     |      | mg/kg dry | 0.101   | 0.101              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/25/2015 14:48      | 08/25/2015 21:19      | ALD     |
| 7440-43-9 | Cadmium   | ND     |      | mg/kg dry | 0.302   | 0.302              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:19      | ALD     |
| 7440-47-3 | Chromium  | 7.99   |      | mg/kg dry | 0.504   | 0.504              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:19      | ALD     |
| 7440-50-8 | Copper    | 12.6   |      | mg/kg dry | 0.504   | 0.504              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/25/2015 14:48      | 08/25/2015 21:19      | ALD     |
| 7439-92-1 | Lead      | 51.9   |      | mg/kg dry | 0.302   | 0.302              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:19      | ALD     |
| 7439-96-5 | Manganese | 86.4   |      | mg/kg dry | 0.504   | 0.504              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/25/2015 14:48      | 08/25/2015 21:19      | ALD     |
| 7440-02-0 | Nickel    | 7.33   |      | mg/kg dry | 0.504   | 0.504              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:19      | ALD     |
| 7782-49-2 | Selenium  | ND     |      | mg/kg dry | 1.01    | 1.01               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:19      | ALD     |
| 7440-22-4 | Silver    | ND     |      | mg/kg dry | 0.504   | 0.504              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:19      | ALD     |
| 7440-66-6 | Zinc      | 44.5   |      | mg/kg dry | 1.01    | 1.01               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/25/2015 14:48      | 08/25/2015 21:19      | ALD     |

### Mercury by 7473

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7439-97-6 | Mercury   | 0.0645 |      | mg/kg dry | 0.0302  | 0.0302             | 1        | EPA 7473<br>Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 08/26/2015 07:47      | 08/26/2015 09:48      | KV      |

### Total Solids

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter  | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                  | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|------------|--------|------|-------|---------|--------------------|----------|-----------------------------------|-----------------------|-----------------------|---------|
| solids  | * % Solids | 99.3   |      | %     | 0.100   | 0.100              | 1        | SM 2540G<br>Certifications: CTDOH | 08/24/2015 18:25      | 08/25/2015 12:09      | KK      |

### Chromium, Hexavalent

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA SW846-3060

| CAS No.    | Parameter            | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                       | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|----------------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------|-----------------------|-----------------------|---------|
| 18540-29-9 | Chromium, Hexavalent | ND     |      | mg/kg dry | 0.353   | 0.504              | 1        | EPA 7196A<br>Certifications: NJDEP,CTDOH,NELAC-NY10854 | 08/26/2015 08:05      | 08/26/2015 14:38      | SC      |



## Sample Information

**Client Sample ID:** Endpoint 21

**York Sample ID:** 15H0765-03

York Project (SDG) No.  
15H0765

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 24, 2015 10:55 am

Date Received  
08/24/2015

### Chromium, Trivalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

| CAS No.    | Parameter             | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|-----------------------|--------|------|-------|---------|--------------------|----------|--------------------------------|-----------------------|-----------------------|---------|
| 16065-83-1 | * Chromium, Trivalent | 7.99   |      | mg/kg | 0.250   | 0.500              | 1        | Calculation<br>Certifications: | 08/28/2015 16:55      | 08/28/2015 17:01      | SC      |

### Cyanide, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

| CAS No. | Parameter      | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|----------------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 57-12-5 | Cyanide, total | ND     |      | mg/kg dry | 0.504   | 0.504              | 1        | EPA 9014/9010C<br>Certifications: NELAC-NY10854,CTDOH,NJDEP | 08/26/2015 08:46      | 08/27/2015 08:19      | AD      |

## Sample Information

**Client Sample ID:** Endpoint 22

**York Sample ID:** 15H0765-04

York Project (SDG) No.  
15H0765

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 24, 2015 11:05 am

Date Received  
08/24/2015

### Volatile Organics, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.  | Parameter              | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|------------------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 71-55-6  | 1,1,1-Trichloroethane  | ND     |      | ug/kg dry | 3.6     | 7.2                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 03:09      | SS      |
| 75-34-3  | 1,1-Dichloroethane     | ND     |      | ug/kg dry | 3.6     | 7.2                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 03:09      | SS      |
| 75-35-4  | 1,1-Dichloroethylene   | ND     |      | ug/kg dry | 3.6     | 7.2                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 03:09      | SS      |
| 95-63-6  | 1,2,4-Trimethylbenzene | ND     |      | ug/kg dry | 3.6     | 7.2                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 03:09      | SS      |
| 95-50-1  | 1,2-Dichlorobenzene    | ND     |      | ug/kg dry | 3.6     | 7.2                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 03:09      | SS      |
| 107-06-2 | 1,2-Dichloroethane     | ND     |      | ug/kg dry | 3.6     | 7.2                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 03:09      | SS      |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND     |      | ug/kg dry | 3.6     | 7.2                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 03:09      | SS      |
| 541-73-1 | 1,3-Dichlorobenzene    | ND     |      | ug/kg dry | 3.6     | 7.2                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 03:09      | SS      |
| 106-46-7 | 1,4-Dichlorobenzene    | ND     |      | ug/kg dry | 3.6     | 7.2                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 03:09      | SS      |
| 123-91-1 | 1,4-Dioxane            | ND     |      | ug/kg dry | 72      | 140                | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 08/27/2015 16:53      | 08/28/2015 03:09      | SS      |
| 78-93-3  | 2-Butanone             | ND     |      | ug/kg dry | 3.6     | 7.2                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 03:09      | SS      |



## Sample Information

**Client Sample ID:**    **Endpoint 22**

**York Sample ID:**    **15H0765-04**

York Project (SDG) No.  
15H0765

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 24, 2015 11:05 am

Date Received  
08/24/2015

### Volatile Organics, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.     | Parameter                      | Result    | Flag | Units     | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-------------|--------------------------------|-----------|------|-----------|------------------------|-----|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 67-64-1     | Acetone                        | ND        |      | ug/kg dry | 7.2                    | 14  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 03:09      | SS      |
| 71-43-2     | Benzene                        | ND        |      | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 03:09      | SS      |
| 56-23-5     | Carbon tetrachloride           | ND        |      | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 03:09      | SS      |
| 108-90-7    | Chlorobenzene                  | ND        |      | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 03:09      | SS      |
| 67-66-3     | Chloroform                     | ND        |      | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 03:09      | SS      |
| 156-59-2    | cis-1,2-Dichloroethylene       | ND        |      | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 03:09      | SS      |
| 100-41-4    | Ethyl Benzene                  | ND        |      | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 03:09      | SS      |
| 1634-04-4   | Methyl tert-butyl ether (MTBE) | ND        |      | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 03:09      | SS      |
| 75-09-2     | <b>Methylene chloride</b>      | <b>44</b> |      | ug/kg dry | 7.2                    | 14  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 03:09      | SS      |
| 91-20-3     | Naphthalene                    | ND        |      | ug/kg dry | 3.6                    | 14  | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 08/27/2015 16:53      | 08/28/2015 03:09      | SS      |
| 104-51-8    | n-Butylbenzene                 | ND        |      | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 03:09      | SS      |
| 103-65-1    | n-Propylbenzene                | ND        |      | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 03:09      | SS      |
| 95-47-6     | o-Xylene                       | ND        |      | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 08/27/2015 16:53      | 08/28/2015 03:09      | SS      |
| 179601-23-1 | p- & m- Xylenes                | ND        |      | ug/kg dry | 7.2                    | 14  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 08/27/2015 16:53      | 08/28/2015 03:09      | SS      |
| 135-98-8    | sec-Butylbenzene               | ND        |      | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 03:09      | SS      |
| 98-06-6     | tert-Butylbenzene              | ND        |      | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 03:09      | SS      |
| 127-18-4    | Tetrachloroethylene            | ND        |      | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 03:09      | SS      |
| 108-88-3    | Toluene                        | ND        |      | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 03:09      | SS      |
| 156-60-5    | trans-1,2-Dichloroethylene     | ND        |      | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 03:09      | SS      |
| 79-01-6     | Trichloroethylene              | ND        |      | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 03:09      | SS      |
| 75-01-4     | Vinyl Chloride                 | ND        |      | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 03:09      | SS      |
| 1330-20-7   | Xylenes, Total                 | ND        |      | ug/kg dry | 11                     | 22  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 03:09      | SS      |



## Sample Information

**Client Sample ID:** Endpoint 22

**York Sample ID:** 15H0765-04

**York Project (SDG) No.**  
15H0765

**Client Project ID**  
Roberto Clemente

**Matrix**  
Soil

**Collection Date/Time**  
August 24, 2015 11:05 am

**Date Received**  
08/24/2015

### Volatile Organics, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.              | Parameter                        | Result | Flag | Units | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------------------|----------------------------------|--------|------|-------|------------------------|--------|----------|------------------|-----------------------|-----------------------|---------|
| Surrogate Recoveries |                                  | Result |      |       | Acceptance Range       |        |          |                  |                       |                       |         |
| 17060-07-0           | Surrogate: 1,2-Dichloroethane-d4 | 104 %  |      |       |                        | 77-125 |          |                  |                       |                       |         |
| 2037-26-5            | Surrogate: Toluene-d8            | 103 %  |      |       |                        | 85-120 |          |                  |                       |                       |         |
| 460-00-4             | Surrogate: p-Bromofluorobenzene  | 116 %  |      |       |                        | 76-130 |          |                  |                       |                       |         |

### Semi-Volatiles, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter                   | Result      | Flag | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|-----------------------------|-------------|------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 95-48-7    | 2-Methylphenol              | ND          |      | ug/kg dry | 42.4                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 17:29      | KH      |
| 65794-96-9 | 3- & 4-Methylphenols        | ND          |      | ug/kg dry | 42.4                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/26/2015 08:53      | 08/26/2015 17:29      | KH      |
| 83-32-9    | Acenaphthene                | ND          |      | ug/kg dry | 42.4                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 17:29      | KH      |
| 208-96-8   | Acenaphthylene              | ND          |      | ug/kg dry | 42.4                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 17:29      | KH      |
| 120-12-7   | Anthracene                  | ND          |      | ug/kg dry | 42.4                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 17:29      | KH      |
| 56-55-3    | <b>Benzo(a)anthracene</b>   | <b>68.4</b> | J    | ug/kg dry | 42.4                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 17:29      | KH      |
| 50-32-8    | <b>Benzo(a)pyrene</b>       | <b>59.6</b> | J    | ug/kg dry | 42.4                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 17:29      | KH      |
| 205-99-2   | <b>Benzo(b)fluoranthene</b> | <b>62.3</b> | J    | ug/kg dry | 42.4                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 17:29      | KH      |
| 191-24-2   | Benzo(g,h,i)perylene        | ND          |      | ug/kg dry | 42.4                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 17:29      | KH      |
| 207-08-9   | <b>Benzo(k)fluoranthene</b> | <b>77.2</b> | J    | ug/kg dry | 42.4                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 17:29      | KH      |
| 218-01-9   | <b>Chrysene</b>             | <b>72.4</b> | J    | ug/kg dry | 42.4                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 17:29      | KH      |
| 53-70-3    | Dibenzo(a,h)anthracene      | ND          |      | ug/kg dry | 42.4                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 17:29      | KH      |
| 132-64-9   | Dibenzofuran                | ND          |      | ug/kg dry | 42.4                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/26/2015 08:53      | 08/26/2015 17:29      | KH      |
| 206-44-0   | <b>Fluoranthene</b>         | <b>133</b>  |      | ug/kg dry | 42.4                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 17:29      | KH      |
| 86-73-7    | Fluorene                    | ND          |      | ug/kg dry | 42.4                   | 84.7 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP       | 08/26/2015 08:53      | 08/26/2015 17:29      | KH      |
| 118-74-1   | Hexachlorobenzene           | ND          |      | ug/kg dry | 42.4                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 17:29      | KH      |
| 193-39-5   | Indeno(1,2,3-cd)pyrene      | ND          |      | ug/kg dry | 42.4                   | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 17:29      | KH      |



## Sample Information

**Client Sample ID:** Endpoint 22

**York Sample ID:** 15H0765-04

York Project (SDG) No.  
15H0765

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 24, 2015 11:05 am

Date Received  
08/24/2015

### Semi-Volatiles, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag | Units     | Reported to<br>LOD/MDL  | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|------|-----------|-------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 91-20-3                     | Naphthalene                     | ND            |      | ug/kg dry | 42.4                    | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/26/2015 08:53      | 08/26/2015 17:29      | KH      |
| 87-86-5                     | Pentachlorophenol               | ND            |      | ug/kg dry | 42.4                    | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 17:29      | KH      |
| 85-01-8                     | <b>Phenanthrene</b>             | <b>67.0</b>   | J    | ug/kg dry | 42.4                    | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 17:29      | KH      |
| 108-95-2                    | Phenol                          | ND            |      | ug/kg dry | 42.4                    | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 17:29      | KH      |
| 129-00-0                    | <b>Pyrene</b>                   | <b>111</b>    |      | ug/kg dry | 42.4                    | 84.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 17:29      | KH      |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> |      |           | <b>Acceptance Range</b> |      |          |                                                              |                       |                       |         |
| 367-12-4                    | Surrogate: 2-Fluorophenol       | 52.3 %        |      |           | 10-95                   |      |          |                                                              |                       |                       |         |
| 4165-62-2                   | Surrogate: Phenol-d5            | 56.7 %        |      |           | 10-107                  |      |          |                                                              |                       |                       |         |
| 4165-60-0                   | Surrogate: Nitrobenzene-d5      | 46.7 %        |      |           | 10-95                   |      |          |                                                              |                       |                       |         |
| 321-60-8                    | Surrogate: 2-Fluorobiphenyl     | 44.5 %        |      |           | 10-97                   |      |          |                                                              |                       |                       |         |
| 118-79-6                    | Surrogate: 2,4,6-Tribromophenol | 71.2 %        |      |           | 10-103                  |      |          |                                                              |                       |                       |         |
| 1718-51-0                   | Surrogate: Terphenyl-d14        | 48.1 %        |      |           | 19-99                   |      |          |                                                              |                       |                       |         |

### Pesticides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.   | Parameter              | Result      | Flag | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|------------------------|-------------|------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 72-54-8   | 4,4'-DDD               | ND          |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:54      | AMC     |
| 72-55-9   | <b>4,4'-DDE</b>        | <b>3.75</b> |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:54      | AMC     |
| 50-29-3   | <b>4,4'-DDT</b>        | <b>29.8</b> |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:54      | AMC     |
| 309-00-2  | Aldrin                 | ND          |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:54      | AMC     |
| 319-84-6  | alpha-BHC              | ND          |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:54      | AMC     |
| 5103-71-9 | <b>alpha-Chlordane</b> | <b>4.08</b> |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP             | 08/25/2015 13:09      | 08/27/2015 13:54      | AMC     |
| 319-85-7  | beta-BHC               | ND          |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:54      | AMC     |
| 319-86-8  | delta-BHC              | ND          |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:54      | AMC     |
| 60-57-1   | Dieldrin               | ND          |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:54      | AMC     |
| 959-98-8  | Endosulfan I           | ND          |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:54      | AMC     |



## Sample Information

**Client Sample ID:** Endpoint 22

**York Sample ID:** 15H0765-04

York Project (SDG) No.  
15H0765

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 24, 2015 11:05 am

Date Received  
08/24/2015

### Pesticides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag | Units                   | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|------|-------------------------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 33213-65-9                  | Endosulfan II                   | ND            |      | ug/kg dry               | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:54      | AMC     |
| 1031-07-8                   | Endosulfan sulfate              | ND            |      | ug/kg dry               | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:54      | AMC     |
| 72-20-8                     | Endrin                          | ND            |      | ug/kg dry               | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:54      | AMC     |
| 58-89-9                     | gamma-BHC (Lindane)             | ND            |      | ug/kg dry               | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:54      | AMC     |
| 76-44-8                     | Heptachlor                      | ND            |      | ug/kg dry               | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 13:54      | AMC     |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> |      | <b>Acceptance Range</b> |         |                    |          |                                                              |                       |                       |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 75.7 %        |      | 30-140                  |         |                    |          |                                                              |                       |                       |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 105 %         |      | 30-140                  |         |                    |          |                                                              |                       |                       |         |

### Polychlorinated Biphenyls (PCB)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag | Units                   | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|------|-------------------------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 12674-11-2                  | Aroclor 1016                    | ND            |      | mg/kg dry               | 0.0169  | 0.0169             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 21:19      | AMC     |
| 11104-28-2                  | Aroclor 1221                    | ND            |      | mg/kg dry               | 0.0169  | 0.0169             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 21:19      | AMC     |
| 11141-16-5                  | Aroclor 1232                    | ND            |      | mg/kg dry               | 0.0169  | 0.0169             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 21:19      | AMC     |
| 53469-21-9                  | Aroclor 1242                    | ND            |      | mg/kg dry               | 0.0169  | 0.0169             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 21:19      | AMC     |
| 12672-29-6                  | Aroclor 1248                    | ND            |      | mg/kg dry               | 0.0169  | 0.0169             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 21:19      | AMC     |
| 11097-69-1                  | Aroclor 1254                    | ND            |      | mg/kg dry               | 0.0169  | 0.0169             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 21:19      | AMC     |
| 11096-82-5                  | Aroclor 1260                    | ND            |      | mg/kg dry               | 0.0169  | 0.0169             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 21:19      | AMC     |
| 1336-36-3                   | * Total PCBs                    | ND            |      | mg/kg dry               | 0.0169  | 0.0169             | 1        | EPA 8082A<br>Certifications:                                 | 08/25/2015 13:09      | 08/26/2015 21:19      | AMC     |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> |      | <b>Acceptance Range</b> |         |                    |          |                                                              |                       |                       |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 78.6 %        |      | 30-140                  |         |                    |          |                                                              |                       |                       |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 72.5 %        |      | 30-140                  |         |                    |          |                                                              |                       |                       |         |

### Herbicides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|-----------|--------|------|-------|---------|--------------------|----------|------------------|-----------------------|-----------------------|---------|
|---------|-----------|--------|------|-------|---------|--------------------|----------|------------------|-----------------------|-----------------------|---------|



## Sample Information

**Client Sample ID:** Endpoint 22

**York Sample ID:** 15H0765-04

**York Project (SDG) No.**  
15H0765

**Client Project ID**  
Roberto Clemente

**Matrix**  
Soil

**Collection Date/Time**  
August 24, 2015 11:05 am

**Date Received**  
08/24/2015

### Herbicides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

| CAS No.              | Parameter                                       | Result | Flag | Units            | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------------------|-------------------------------------------------|--------|------|------------------|---------|--------------------|----------|----------------------------------------------------------------|-----------------------|-----------------------|---------|
| 93-72-1              | 2,4,5-TP (Silvex)                               | ND     |      | ug/kg dry        | 20.3    | 20.3               | 1        | EPA 8151A m<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/28/2015 07:49      | 08/28/2015 17:49      | SA      |
| Surrogate Recoveries |                                                 | Result |      | Acceptance Range |         |                    |          |                                                                |                       |                       |         |
| 19719-28-9           | Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) | 88.6 % |      | 30-150           |         |                    |          |                                                                |                       |                       |         |

### Metals, NYSDEC Part 375

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7440-38-2 | Arsenic   | 2.29   |      | mg/kg dry | 1.02    | 1.02               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:24      | ALD     |
| 7440-39-3 | Barium    | 33.3   |      | mg/kg dry | 1.02    | 1.02               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:24      | ALD     |
| 7440-41-7 | Beryllium | ND     |      | mg/kg dry | 0.102   | 0.102              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/25/2015 14:48      | 08/25/2015 21:24      | ALD     |
| 7440-43-9 | Cadmium   | ND     |      | mg/kg dry | 0.305   | 0.305              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:24      | ALD     |
| 7440-47-3 | Chromium  | 7.70   |      | mg/kg dry | 0.508   | 0.508              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:24      | ALD     |
| 7440-50-8 | Copper    | 7.23   |      | mg/kg dry | 0.508   | 0.508              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/25/2015 14:48      | 08/25/2015 21:24      | ALD     |
| 7439-92-1 | Lead      | 36.6   |      | mg/kg dry | 0.305   | 0.305              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:24      | ALD     |
| 7439-96-5 | Manganese | 70.3   |      | mg/kg dry | 0.508   | 0.508              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/25/2015 14:48      | 08/25/2015 21:24      | ALD     |
| 7440-02-0 | Nickel    | 6.08   |      | mg/kg dry | 0.508   | 0.508              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:24      | ALD     |
| 7782-49-2 | Selenium  | ND     |      | mg/kg dry | 1.02    | 1.02               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:24      | ALD     |
| 7440-22-4 | Silver    | ND     |      | mg/kg dry | 0.508   | 0.508              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:24      | ALD     |
| 7440-66-6 | Zinc      | 30.9   |      | mg/kg dry | 1.02    | 1.02               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/25/2015 14:48      | 08/25/2015 21:24      | ALD     |

### Mercury by 7473

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7439-97-6 | Mercury   | 0.0598 |      | mg/kg dry | 0.0305  | 0.0305             | 1        | EPA 7473<br>Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 08/26/2015 07:47      | 08/26/2015 09:57      | KV      |





## Sample Information

**Client Sample ID:** Endpoint 22

**York Sample ID:** 15H0765-04

**York Project (SDG) No.**

15H0765

**Client Project ID**

Roberto Clemente

**Matrix**

Soil

**Collection Date/Time**

August 24, 2015 11:05 am

**Date Received**

08/24/2015

### Total Solids

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter  | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                  | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|------------|--------|------|-------|---------|--------------------|----------|-----------------------------------|-----------------------|-----------------------|---------|
| solids  | * % Solids | 98.5   |      | %     | 0.100   | 0.100              | 1        | SM 2540G<br>Certifications: CTDOH | 08/24/2015 18:25      | 08/25/2015 12:09      | KK      |

### Chromium, Hexavalent

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA SW846-3060

| CAS No.    | Parameter            | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                       | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|----------------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------|-----------------------|-----------------------|---------|
| 18540-29-9 | Chromium, Hexavalent | ND     |      | mg/kg dry | 0.355   | 0.508              | 1        | EPA 7196A<br>Certifications: NJDEP,CTDOH,NELAC-NY10854 | 08/26/2015 08:05      | 08/26/2015 14:38      | SC      |

### Chromium, Trivalent

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: Analysis Preparation

| CAS No.    | Parameter             | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|-----------------------|--------|------|-------|---------|--------------------|----------|--------------------------------|-----------------------|-----------------------|---------|
| 16065-83-1 | * Chromium, Trivalent | 7.70   |      | mg/kg | 0.250   | 0.500              | 1        | Calculation<br>Certifications: | 08/28/2015 16:55      | 08/28/2015 17:01      | SC      |

### Cyanide, Total

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

| CAS No. | Parameter      | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|----------------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 57-12-5 | Cyanide, total | ND     |      | mg/kg dry | 0.508   | 0.508              | 1        | EPA 9014/9010C<br>Certifications: NELAC-NY10854,CTDOH,NJDEP | 08/26/2015 08:46      | 08/27/2015 08:19      | AD      |

## Sample Information

**Client Sample ID:** Endpoint 23

**York Sample ID:** 15H0765-05

**York Project (SDG) No.**

15H0765

**Client Project ID**

Roberto Clemente

**Matrix**

Soil

**Collection Date/Time**

August 24, 2015 11:15 am

**Date Received**

08/24/2015

### Volatile Organics, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No. | Parameter             | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|-----------------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 71-55-6 | 1,1,1-Trichloroethane | ND     |      | ug/kg dry | 4.3     | 8.7                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 03:45      | SS      |
| 75-34-3 | 1,1-Dichloroethane    | ND     |      | ug/kg dry | 4.3     | 8.7                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 03:45      | SS      |
| 75-35-4 | 1,1-Dichloroethylene  | ND     |      | ug/kg dry | 4.3     | 8.7                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 03:45      | SS      |



## Sample Information

**Client Sample ID:** Endpoint 23

**York Sample ID:** 15H0765-05

York Project (SDG) No.  
15H0765

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 24, 2015 11:15 am

Date Received  
08/24/2015

### Volatile Organics, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.     | Parameter                      | Result    | Flag | Units     | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-------------|--------------------------------|-----------|------|-----------|------------------------|-----|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 95-63-6     | 1,2,4-Trimethylbenzene         | ND        |      | ug/kg dry | 4.3                    | 8.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 03:45      | SS      |
| 95-50-1     | 1,2-Dichlorobenzene            | ND        |      | ug/kg dry | 4.3                    | 8.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 03:45      | SS      |
| 107-06-2    | 1,2-Dichloroethane             | ND        |      | ug/kg dry | 4.3                    | 8.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 03:45      | SS      |
| 108-67-8    | 1,3,5-Trimethylbenzene         | ND        |      | ug/kg dry | 4.3                    | 8.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 03:45      | SS      |
| 541-73-1    | 1,3-Dichlorobenzene            | ND        |      | ug/kg dry | 4.3                    | 8.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 03:45      | SS      |
| 106-46-7    | 1,4-Dichlorobenzene            | ND        |      | ug/kg dry | 4.3                    | 8.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 03:45      | SS      |
| 123-91-1    | 1,4-Dioxane                    | ND        |      | ug/kg dry | 87                     | 170 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 08/27/2015 16:53      | 08/28/2015 03:45      | SS      |
| 78-93-3     | 2-Butanone                     | ND        |      | ug/kg dry | 4.3                    | 8.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 03:45      | SS      |
| 67-64-1     | Acetone                        | ND        |      | ug/kg dry | 8.7                    | 17  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 03:45      | SS      |
| 71-43-2     | Benzene                        | ND        |      | ug/kg dry | 4.3                    | 8.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 03:45      | SS      |
| 56-23-5     | Carbon tetrachloride           | ND        |      | ug/kg dry | 4.3                    | 8.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 03:45      | SS      |
| 108-90-7    | Chlorobenzene                  | ND        |      | ug/kg dry | 4.3                    | 8.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 03:45      | SS      |
| 67-66-3     | Chloroform                     | ND        |      | ug/kg dry | 4.3                    | 8.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 03:45      | SS      |
| 156-59-2    | cis-1,2-Dichloroethylene       | ND        |      | ug/kg dry | 4.3                    | 8.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 03:45      | SS      |
| 100-41-4    | Ethyl Benzene                  | ND        |      | ug/kg dry | 4.3                    | 8.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 03:45      | SS      |
| 1634-04-4   | Methyl tert-butyl ether (MTBE) | ND        |      | ug/kg dry | 4.3                    | 8.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 03:45      | SS      |
| 75-09-2     | <b>Methylene chloride</b>      | <b>38</b> |      | ug/kg dry | 8.7                    | 17  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 03:45      | SS      |
| 91-20-3     | Naphthalene                    | ND        |      | ug/kg dry | 4.3                    | 17  | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 08/27/2015 16:53      | 08/28/2015 03:45      | SS      |
| 104-51-8    | n-Butylbenzene                 | ND        |      | ug/kg dry | 4.3                    | 8.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 03:45      | SS      |
| 103-65-1    | n-Propylbenzene                | ND        |      | ug/kg dry | 4.3                    | 8.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 03:45      | SS      |
| 95-47-6     | o-Xylene                       | ND        |      | ug/kg dry | 4.3                    | 8.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 08/27/2015 16:53      | 08/28/2015 03:45      | SS      |
| 179601-23-1 | p- & m- Xylenes                | ND        |      | ug/kg dry | 8.7                    | 17  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 08/27/2015 16:53      | 08/28/2015 03:45      | SS      |



## Sample Information

**Client Sample ID:** Endpoint 23

**York Sample ID:** 15H0765-05

York Project (SDG) No.  
15H0765

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 24, 2015 11:15 am

Date Received  
08/24/2015

### Volatile Organics, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.                     | Parameter                        | Result        | Flag | Units     | Reported to<br>LOD/MDL  | LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|----------------------------------|---------------|------|-----------|-------------------------|-----|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 135-98-8                    | sec-Butylbenzene                 | ND            |      | ug/kg dry | 4.3                     | 8.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 03:45      | SS      |
| 98-06-6                     | tert-Butylbenzene                | ND            |      | ug/kg dry | 4.3                     | 8.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 03:45      | SS      |
| 127-18-4                    | <b>Tetrachloroethylene</b>       | <b>5.8</b>    | J    | ug/kg dry | 4.3                     | 8.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 03:45      | SS      |
| 108-88-3                    | Toluene                          | ND            |      | ug/kg dry | 4.3                     | 8.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 03:45      | SS      |
| 156-60-5                    | trans-1,2-Dichloroethylene       | ND            |      | ug/kg dry | 4.3                     | 8.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 03:45      | SS      |
| 79-01-6                     | Trichloroethylene                | ND            |      | ug/kg dry | 4.3                     | 8.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 03:45      | SS      |
| 75-01-4                     | Vinyl Chloride                   | ND            |      | ug/kg dry | 4.3                     | 8.7 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 03:45      | SS      |
| 1330-20-7                   | Xylenes, Total                   | ND            |      | ug/kg dry | 13                      | 26  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 03:45      | SS      |
| <b>Surrogate Recoveries</b> |                                  | <b>Result</b> |      |           | <b>Acceptance Range</b> |     |          |                                                              |                       |                       |         |
| 17060-07-0                  | Surrogate: 1,2-Dichloroethane-d4 | 106 %         |      |           | 77-125                  |     |          |                                                              |                       |                       |         |
| 2037-26-5                   | Surrogate: Toluene-d8            | 105 %         |      |           | 85-120                  |     |          |                                                              |                       |                       |         |
| 460-00-4                    | Surrogate: p-Bromofluorobenzene  | 121 %         |      |           | 76-130                  |     |          |                                                              |                       |                       |         |

### Semi-Volatiles, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter            | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|----------------------|--------|------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 95-48-7    | 2-Methylphenol       | ND     |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 15:54      | KH      |
| 65794-96-9 | 3- & 4-Methylphenols | ND     |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/26/2015 08:53      | 08/26/2015 15:54      | KH      |
| 83-32-9    | Acenaphthene         | ND     |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 15:54      | KH      |
| 208-96-8   | Acenaphthylene       | ND     |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 15:54      | KH      |
| 120-12-7   | Anthracene           | ND     |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 15:54      | KH      |
| 56-55-3    | Benzo(a)anthracene   | ND     |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 15:54      | KH      |
| 50-32-8    | Benzo(a)pyrene       | ND     |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 15:54      | KH      |
| 205-99-2   | Benzo(b)fluoranthene | ND     |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 15:54      | KH      |
| 191-24-2   | Benzo(g,h,i)perylene | ND     |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 15:54      | KH      |



## Sample Information

**Client Sample ID:** Endpoint 23

**York Sample ID:** 15H0765-05

**York Project (SDG) No.**  
15H0765

**Client Project ID**  
Roberto Clemente

**Matrix**  
Soil

**Collection Date/Time**  
August 24, 2015 11:15 am

**Date Received**  
08/24/2015

### Semi-Volatiles, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter              | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|------------------------|--------|------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 207-08-9 | Benzo(k)fluoranthene   | ND     |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 15:54      | KH      |
| 218-01-9 | Chrysene               | ND     |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 15:54      | KH      |
| 53-70-3  | Dibenzo(a,h)anthracene | ND     |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 15:54      | KH      |
| 132-64-9 | Dibenzofuran           | ND     |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/26/2015 08:53      | 08/26/2015 15:54      | KH      |
| 206-44-0 | Fluoranthene           | ND     |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 15:54      | KH      |
| 86-73-7  | Fluorene               | ND     |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP       | 08/26/2015 08:53      | 08/26/2015 15:54      | KH      |
| 118-74-1 | Hexachlorobenzene      | ND     |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 15:54      | KH      |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND     |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 15:54      | KH      |
| 91-20-3  | Naphthalene            | ND     |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/26/2015 08:53      | 08/26/2015 15:54      | KH      |
| 87-86-5  | Pentachlorophenol      | ND     |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 15:54      | KH      |
| 85-01-8  | Phenanthrene           | ND     |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 15:54      | KH      |
| 108-95-2 | Phenol                 | ND     |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 15:54      | KH      |
| 129-00-0 | Pyrene                 | ND     |      | ug/kg dry | 42.1                   | 84.0 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 15:54      | KH      |

| Surrogate Recoveries |                                 | Result | Acceptance Range |
|----------------------|---------------------------------|--------|------------------|
| 367-12-4             | Surrogate: 2-Fluorophenol       | 44.1 % | 10-95            |
| 4165-62-2            | Surrogate: Phenol-d5            | 45.5 % | 10-107           |
| 4165-60-0            | Surrogate: Nitrobenzene-d5      | 40.3 % | 10-95            |
| 321-60-8             | Surrogate: 2-Fluorobiphenyl     | 38.4 % | 10-97            |
| 118-79-6             | Surrogate: 2,4,6-Tribromophenol | 62.0 % | 10-103           |
| 1718-51-0            | Surrogate: Terphenyl-d14        | 41.1 % | 19-99            |

### Pesticides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|-----------|--------|------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 72-54-8 | 4,4'-DDD  | ND     |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 14:09      | AMC     |
| 72-55-9 | 4,4'-DDE  | ND     |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 14:09      | AMC     |



## Sample Information

**Client Sample ID:** Endpoint 23

**York Sample ID:** 15H0765-05

York Project (SDG) No.  
15H0765

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 24, 2015 11:15 am

Date Received  
08/24/2015

### Pesticides, NYSDEC Part 375 Target List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.              | Parameter                       | Result | Flag             | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------------------|---------------------------------|--------|------------------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 50-29-3              | 4,4'-DDT                        | 2.48   |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 14:09      | AMC     |
| 309-00-2             | Aldrin                          | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 14:09      | AMC     |
| 319-84-6             | alpha-BHC                       | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 14:09      | AMC     |
| 5103-71-9            | alpha-Chlordane                 | 2.14   |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP             | 08/25/2015 13:09      | 08/27/2015 14:09      | AMC     |
| 319-85-7             | beta-BHC                        | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 14:09      | AMC     |
| 319-86-8             | delta-BHC                       | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 14:09      | AMC     |
| 60-57-1              | Dieldrin                        | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 14:09      | AMC     |
| 959-98-8             | Endosulfan I                    | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 14:09      | AMC     |
| 33213-65-9           | Endosulfan II                   | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 14:09      | AMC     |
| 1031-07-8            | Endosulfan sulfate              | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 14:09      | AMC     |
| 72-20-8              | Endrin                          | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 14:09      | AMC     |
| 58-89-9              | gamma-BHC (Lindane)             | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 14:09      | AMC     |
| 76-44-8              | Heptachlor                      | ND     |                  | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 14:09      | AMC     |
| Surrogate Recoveries |                                 | Result | Acceptance Range |           |         |                    |          |                                                              |                       |                       |         |
| 877-09-8             | Surrogate: Tetrachloro-m-xylene | 78.3 % | 30-140           |           |         |                    |          |                                                              |                       |                       |         |
| 2051-24-3            | Surrogate: Decachlorobiphenyl   | 104 %  | 30-140           |           |         |                    |          |                                                              |                       |                       |         |

### Polychlorinated Biphenyls (PCB)

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter    | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|--------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 12674-11-2 | Aroclor 1016 | ND     |      | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 21:48      | AMC     |
| 11104-28-2 | Aroclor 1221 | ND     |      | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 21:48      | AMC     |
| 11141-16-5 | Aroclor 1232 | ND     |      | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 21:48      | AMC     |
| 53469-21-9 | Aroclor 1242 | ND     |      | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 21:48      | AMC     |



## Sample Information

**Client Sample ID:** Endpoint 23

**York Sample ID:** 15H0765-05

**York Project (SDG) No.**  
15H0765

**Client Project ID**  
Roberto Clemente

**Matrix**  
Soil

**Collection Date/Time**  
August 24, 2015 11:15 am

**Date Received**  
08/24/2015

### Polychlorinated Biphenyls (PCB)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag                    | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 12672-29-6                  | Aroclor 1248                    | ND            |                         | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 21:48      | AMC     |
| 11097-69-1                  | Aroclor 1254                    | ND            |                         | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 21:48      | AMC     |
| 11096-82-5                  | Aroclor 1260                    | ND            |                         | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 21:48      | AMC     |
| 1336-36-3                   | * Total PCBs                    | ND            |                         | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications:                                 | 08/25/2015 13:09      | 08/26/2015 21:48      | AMC     |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> | <b>Acceptance Range</b> |           |         |                    |          |                                                              |                       |                       |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 74.1 %        | 30-140                  |           |         |                    |          |                                                              |                       |                       |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 73.9 %        | 30-140                  |           |         |                    |          |                                                              |                       |                       |         |

### Herbicides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

| CAS No.                     | Parameter                                       | Result        | Flag                    | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|-------------------------------------------------|---------------|-------------------------|-----------|---------|--------------------|----------|----------------------------------------------------------------|-----------------------|-----------------------|---------|
| 93-72-1                     | 2,4,5-TP (Silvex)                               | ND            |                         | ug/kg dry | 20.1    | 20.1               | 1        | EPA 8151A m<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/28/2015 07:49      | 08/28/2015 18:04      | SA      |
| <b>Surrogate Recoveries</b> |                                                 | <b>Result</b> | <b>Acceptance Range</b> |           |         |                    |          |                                                                |                       |                       |         |
| 19719-28-9                  | Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) | 81.0 %        | 30-150                  |           |         |                    |          |                                                                |                       |                       |         |

### Metals, NYSDEC Part 375

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7440-38-2 | Arsenic   | 2.31   |      | mg/kg dry | 1.01    | 1.01               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:29      | ALD     |
| 7440-39-3 | Barium    | 15.9   |      | mg/kg dry | 1.01    | 1.01               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:29      | ALD     |
| 7440-41-7 | Beryllium | ND     |      | mg/kg dry | 0.101   | 0.101              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/25/2015 14:48      | 08/25/2015 21:29      | ALD     |
| 7440-43-9 | Cadmium   | ND     |      | mg/kg dry | 0.302   | 0.302              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:29      | ALD     |
| 7440-47-3 | Chromium  | 7.86   |      | mg/kg dry | 0.504   | 0.504              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:29      | ALD     |
| 7440-50-8 | Copper    | 4.83   |      | mg/kg dry | 0.504   | 0.504              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/25/2015 14:48      | 08/25/2015 21:29      | ALD     |
| 7439-92-1 | Lead      | 17.8   |      | mg/kg dry | 0.302   | 0.302              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:29      | ALD     |
| 7439-96-5 | Manganese | 72.8   |      | mg/kg dry | 0.504   | 0.504              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/25/2015 14:48      | 08/25/2015 21:29      | ALD     |



## Sample Information

**Client Sample ID:** Endpoint 23

**York Sample ID:** 15H0765-05

York Project (SDG) No.  
15H0765

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 24, 2015 11:15 am

Date Received  
08/24/2015

### Metals, NYSDEC Part 375

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7440-02-0 | Nickel    | 4.92   |      | mg/kg dry | 0.504   | 0.504              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:29      | ALD     |
| 7782-49-2 | Selenium  | ND     |      | mg/kg dry | 1.01    | 1.01               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:29      | ALD     |
| 7440-22-4 | Silver    | ND     |      | mg/kg dry | 0.504   | 0.504              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:29      | ALD     |
| 7440-66-6 | Zinc      | 18.7   |      | mg/kg dry | 1.01    | 1.01               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/25/2015 14:48      | 08/25/2015 21:29      | ALD     |

### Mercury by 7473

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7439-97-6 | Mercury   | ND     |      | mg/kg dry | 0.0302  | 0.0302             | 1        | EPA 7473<br>Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 08/26/2015 07:47      | 08/26/2015 10:06      | KV      |

### Total Solids

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter  | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                  | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|------------|--------|------|-------|---------|--------------------|----------|-----------------------------------|-----------------------|-----------------------|---------|
| solids  | * % Solids | 99.3   |      | %     | 0.100   | 0.100              | 1        | SM 2540G<br>Certifications: CTDOH | 08/24/2015 18:25      | 08/25/2015 12:09      | KK      |

### Chromium, Hexavalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW846-3060

| CAS No.    | Parameter            | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                       | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|----------------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------|-----------------------|-----------------------|---------|
| 18540-29-9 | Chromium, Hexavalent | ND     |      | mg/kg dry | 0.353   | 0.504              | 1        | EPA 7196A<br>Certifications: NJDEP,CTDOH,NELAC-NY10854 | 08/26/2015 08:05      | 08/26/2015 14:38      | SC      |

### Chromium, Trivalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

| CAS No.    | Parameter             | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|-----------------------|--------|------|-------|---------|--------------------|----------|--------------------------------|-----------------------|-----------------------|---------|
| 16065-83-1 | * Chromium, Trivalent | 7.86   |      | mg/kg | 0.250   | 0.500              | 1        | Calculation<br>Certifications: | 08/28/2015 16:55      | 08/28/2015 17:01      | SC      |

### Cyanide, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

| CAS No. | Parameter      | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|----------------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 57-12-5 | Cyanide, total | ND     |      | mg/kg dry | 0.504   | 0.504              | 1        | EPA 9014/9010C<br>Certifications: NELAC-NY10854,CTDOH,NJDEP | 08/26/2015 08:46      | 08/27/2015 08:19      | AD      |





## Sample Information

**Client Sample ID:** Endpoint 24

**York Sample ID:** 15H0765-06

York Project (SDG) No.  
15H0765

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 24, 2015 11:25 am

Date Received  
08/24/2015

### Volatile Organics, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.   | Parameter                      | Result    | Flag | Units     | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|--------------------------------|-----------|------|-----------|------------------------|-----|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 71-55-6   | 1,1,1-Trichloroethane          | ND        |      | ug/kg dry | 3.1                    | 6.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 04:20      | SS      |
| 75-34-3   | 1,1-Dichloroethane             | ND        |      | ug/kg dry | 3.1                    | 6.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 04:20      | SS      |
| 75-35-4   | 1,1-Dichloroethylene           | ND        |      | ug/kg dry | 3.1                    | 6.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 04:20      | SS      |
| 95-63-6   | 1,2,4-Trimethylbenzene         | ND        |      | ug/kg dry | 3.1                    | 6.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 04:20      | SS      |
| 95-50-1   | 1,2-Dichlorobenzene            | ND        |      | ug/kg dry | 3.1                    | 6.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 04:20      | SS      |
| 107-06-2  | 1,2-Dichloroethane             | ND        |      | ug/kg dry | 3.1                    | 6.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 04:20      | SS      |
| 108-67-8  | 1,3,5-Trimethylbenzene         | ND        |      | ug/kg dry | 3.1                    | 6.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 04:20      | SS      |
| 541-73-1  | 1,3-Dichlorobenzene            | ND        |      | ug/kg dry | 3.1                    | 6.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 04:20      | SS      |
| 106-46-7  | 1,4-Dichlorobenzene            | ND        |      | ug/kg dry | 3.1                    | 6.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 04:20      | SS      |
| 123-91-1  | 1,4-Dioxane                    | ND        |      | ug/kg dry | 62                     | 120 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 08/27/2015 16:53      | 08/28/2015 04:20      | SS      |
| 78-93-3   | 2-Butanone                     | ND        |      | ug/kg dry | 3.1                    | 6.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 04:20      | SS      |
| 67-64-1   | Acetone                        | ND        |      | ug/kg dry | 6.2                    | 12  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 04:20      | SS      |
| 71-43-2   | Benzene                        | ND        |      | ug/kg dry | 3.1                    | 6.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 04:20      | SS      |
| 56-23-5   | Carbon tetrachloride           | ND        |      | ug/kg dry | 3.1                    | 6.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 04:20      | SS      |
| 108-90-7  | Chlorobenzene                  | ND        |      | ug/kg dry | 3.1                    | 6.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 04:20      | SS      |
| 67-66-3   | Chloroform                     | ND        |      | ug/kg dry | 3.1                    | 6.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 04:20      | SS      |
| 156-59-2  | cis-1,2-Dichloroethylene       | ND        |      | ug/kg dry | 3.1                    | 6.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 04:20      | SS      |
| 100-41-4  | Ethyl Benzene                  | ND        |      | ug/kg dry | 3.1                    | 6.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 04:20      | SS      |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND        |      | ug/kg dry | 3.1                    | 6.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 04:20      | SS      |
| 75-09-2   | <b>Methylene chloride</b>      | <b>28</b> |      | ug/kg dry | 6.2                    | 12  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 04:20      | SS      |
| 91-20-3   | Naphthalene                    | ND        |      | ug/kg dry | 3.1                    | 12  | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 08/27/2015 16:53      | 08/28/2015 04:20      | SS      |



## Sample Information

**Client Sample ID:** Endpoint 24

**York Sample ID:** 15H0765-06

York Project (SDG) No.  
15H0765

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 24, 2015 11:25 am

Date Received  
08/24/2015

### Volatile Organics, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.     | Parameter                  | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-------------|----------------------------|--------|------|-----------|------------------------|-----|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 104-51-8    | n-Butylbenzene             | ND     |      | ug/kg dry | 3.1                    | 6.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 04:20      | SS      |
| 103-65-1    | n-Propylbenzene            | ND     |      | ug/kg dry | 3.1                    | 6.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 04:20      | SS      |
| 95-47-6     | o-Xylene                   | ND     |      | ug/kg dry | 3.1                    | 6.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 08/27/2015 16:53      | 08/28/2015 04:20      | SS      |
| 179601-23-1 | p- & m- Xylenes            | ND     |      | ug/kg dry | 6.2                    | 12  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 08/27/2015 16:53      | 08/28/2015 04:20      | SS      |
| 135-98-8    | sec-Butylbenzene           | ND     |      | ug/kg dry | 3.1                    | 6.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 04:20      | SS      |
| 98-06-6     | tert-Butylbenzene          | ND     |      | ug/kg dry | 3.1                    | 6.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 04:20      | SS      |
| 127-18-4    | Tetrachloroethylene        | ND     |      | ug/kg dry | 3.1                    | 6.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 04:20      | SS      |
| 108-88-3    | Toluene                    | ND     |      | ug/kg dry | 3.1                    | 6.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 04:20      | SS      |
| 156-60-5    | trans-1,2-Dichloroethylene | ND     |      | ug/kg dry | 3.1                    | 6.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 04:20      | SS      |
| 79-01-6     | Trichloroethylene          | ND     |      | ug/kg dry | 3.1                    | 6.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 04:20      | SS      |
| 75-01-4     | Vinyl Chloride             | ND     |      | ug/kg dry | 3.1                    | 6.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 04:20      | SS      |
| 1330-20-7   | Xylenes, Total             | ND     |      | ug/kg dry | 9.3                    | 19  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 04:20      | SS      |

| Surrogate Recoveries |                                  | Result | Acceptance Range |
|----------------------|----------------------------------|--------|------------------|
| 17060-07-0           | Surrogate: 1,2-Dichloroethane-d4 | 105 %  | 77-125           |
| 2037-26-5            | Surrogate: Toluene-d8            | 113 %  | 85-120           |
| 460-00-4             | Surrogate: p-Bromofluorobenzene  | 128 %  | 76-130           |

### Semi-Volatiles, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter            | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|----------------------|--------|------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 95-48-7    | 2-Methylphenol       | ND     |      | ug/kg dry | 44.4                   | 88.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 16:26      | KH      |
| 65794-96-9 | 3- & 4-Methylphenols | ND     |      | ug/kg dry | 44.4                   | 88.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/26/2015 08:53      | 08/26/2015 16:26      | KH      |
| 83-32-9    | Acenaphthene         | ND     |      | ug/kg dry | 44.4                   | 88.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 16:26      | KH      |
| 208-96-8   | Acenaphthylene       | ND     |      | ug/kg dry | 44.4                   | 88.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 16:26      | KH      |
| 120-12-7   | Anthracene           | ND     |      | ug/kg dry | 44.4                   | 88.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 16:26      | KH      |



## Sample Information

**Client Sample ID:** Endpoint 24

**York Sample ID:** 15H0765-06

York Project (SDG) No.  
15H0765

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 24, 2015 11:25 am

Date Received  
08/24/2015

### Semi-Volatiles, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter              | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|------------------------|--------|------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 56-55-3  | Benzo(a)anthracene     | ND     |      | ug/kg dry | 44.4                   | 88.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 16:26      | KH      |
| 50-32-8  | Benzo(a)pyrene         | ND     |      | ug/kg dry | 44.4                   | 88.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 16:26      | KH      |
| 205-99-2 | Benzo(b)fluoranthene   | ND     |      | ug/kg dry | 44.4                   | 88.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 16:26      | KH      |
| 191-24-2 | Benzo(g,h,i)perylene   | ND     |      | ug/kg dry | 44.4                   | 88.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 16:26      | KH      |
| 207-08-9 | Benzo(k)fluoranthene   | ND     |      | ug/kg dry | 44.4                   | 88.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 16:26      | KH      |
| 218-01-9 | Chrysene               | ND     |      | ug/kg dry | 44.4                   | 88.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 16:26      | KH      |
| 53-70-3  | Dibenzo(a,h)anthracene | ND     |      | ug/kg dry | 44.4                   | 88.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 16:26      | KH      |
| 132-64-9 | Dibenzofuran           | ND     |      | ug/kg dry | 44.4                   | 88.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/26/2015 08:53      | 08/26/2015 16:26      | KH      |
| 206-44-0 | Fluoranthene           | ND     |      | ug/kg dry | 44.4                   | 88.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 16:26      | KH      |
| 86-73-7  | Fluorene               | ND     |      | ug/kg dry | 44.4                   | 88.7 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP       | 08/26/2015 08:53      | 08/26/2015 16:26      | KH      |
| 118-74-1 | Hexachlorobenzene      | ND     |      | ug/kg dry | 44.4                   | 88.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 16:26      | KH      |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND     |      | ug/kg dry | 44.4                   | 88.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 16:26      | KH      |
| 91-20-3  | Naphthalene            | ND     |      | ug/kg dry | 44.4                   | 88.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/26/2015 08:53      | 08/26/2015 16:26      | KH      |
| 87-86-5  | Pentachlorophenol      | ND     |      | ug/kg dry | 44.4                   | 88.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 16:26      | KH      |
| 85-01-8  | Phenanthrene           | ND     |      | ug/kg dry | 44.4                   | 88.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 16:26      | KH      |
| 108-95-2 | Phenol                 | ND     |      | ug/kg dry | 44.4                   | 88.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 16:26      | KH      |
| 129-00-0 | Pyrene                 | ND     |      | ug/kg dry | 44.4                   | 88.7 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 16:26      | KH      |

|           | Surrogate Recoveries            | Result | Acceptance Range |
|-----------|---------------------------------|--------|------------------|
| 367-12-4  | Surrogate: 2-Fluorophenol       | 39.2 % | 10-95            |
| 4165-62-2 | Surrogate: Phenol-d5            | 40.8 % | 10-107           |
| 4165-60-0 | Surrogate: Nitrobenzene-d5      | 34.9 % | 10-95            |
| 321-60-8  | Surrogate: 2-Fluorobiphenyl     | 34.6 % | 10-97            |
| 118-79-6  | Surrogate: 2,4,6-Tribromophenol | 52.2 % | 10-103           |
| 1718-51-0 | Surrogate: Terphenyl-d14        | 34.9 % | 19-99            |



## Sample Information

**Client Sample ID:** Endpoint 24

**York Sample ID:** 15H0765-06

**York Project (SDG) No.**  
15H0765

**Client Project ID**  
Roberto Clemente

**Matrix**  
Soil

**Collection Date/Time**  
August 24, 2015 11:25 am

**Date Received**  
08/24/2015

### Pesticides, NYSDEC Part 375 Target List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag                    | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 72-54-8                     | 4,4'-DDD                        | ND            |                         | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 14:24      | AMC     |
| 72-55-9                     | 4,4'-DDE                        | 3.57          |                         | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 14:24      | AMC     |
| 50-29-3                     | 4,4'-DDT                        | 2.55          |                         | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 14:24      | AMC     |
| 309-00-2                    | Aldrin                          | ND            |                         | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 14:24      | AMC     |
| 319-84-6                    | alpha-BHC                       | ND            |                         | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 14:24      | AMC     |
| 5103-71-9                   | alpha-Chlordane                 | ND            |                         | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP             | 08/25/2015 13:09      | 08/27/2015 14:24      | AMC     |
| 319-85-7                    | beta-BHC                        | ND            |                         | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 14:24      | AMC     |
| 319-86-8                    | delta-BHC                       | ND            |                         | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 14:24      | AMC     |
| 60-57-1                     | Dieldrin                        | ND            |                         | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 14:24      | AMC     |
| 959-98-8                    | Endosulfan I                    | ND            |                         | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 14:24      | AMC     |
| 33213-65-9                  | Endosulfan II                   | ND            |                         | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 14:24      | AMC     |
| 1031-07-8                   | Endosulfan sulfate              | ND            |                         | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 14:24      | AMC     |
| 72-20-8                     | Endrin                          | ND            |                         | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 14:24      | AMC     |
| 58-89-9                     | gamma-BHC (Lindane)             | ND            |                         | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 14:24      | AMC     |
| 76-44-8                     | Heptachlor                      | ND            |                         | ug/kg dry | 1.65    | 1.65               | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 14:24      | AMC     |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> | <b>Acceptance Range</b> |           |         |                    |          |                                                              |                       |                       |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 78.9 %        | 30-140                  |           |         |                    |          |                                                              |                       |                       |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 115 %         | 30-140                  |           |         |                    |          |                                                              |                       |                       |         |

### Polychlorinated Biphenyls (PCB)

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter    | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|--------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 12674-11-2 | Aroclor 1016 | ND     |      | mg/kg dry | 0.0177  | 0.0177             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 22:18      | AMC     |
| 11104-28-2 | Aroclor 1221 | ND     |      | mg/kg dry | 0.0177  | 0.0177             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 22:18      | AMC     |



## Sample Information

**Client Sample ID:** Endpoint 24

**York Sample ID:** 15H0765-06

**York Project (SDG) No.**  
15H0765

**Client Project ID**  
Roberto Clemente

**Matrix**  
Soil

**Collection Date/Time**  
August 24, 2015 11:25 am

**Date Received**  
08/24/2015

### Polychlorinated Biphenyls (PCB)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag                    | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 11141-16-5                  | Aroclor 1232                    | ND            |                         | mg/kg dry | 0.0177  | 0.0177             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 22:18      | AMC     |
| 53469-21-9                  | Aroclor 1242                    | ND            |                         | mg/kg dry | 0.0177  | 0.0177             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 22:18      | AMC     |
| 12672-29-6                  | Aroclor 1248                    | ND            |                         | mg/kg dry | 0.0177  | 0.0177             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 22:18      | AMC     |
| 11097-69-1                  | Aroclor 1254                    | ND            |                         | mg/kg dry | 0.0177  | 0.0177             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 22:18      | AMC     |
| 11096-82-5                  | Aroclor 1260                    | ND            |                         | mg/kg dry | 0.0177  | 0.0177             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 22:18      | AMC     |
| 1336-36-3                   | * Total PCBs                    | ND            |                         | mg/kg dry | 0.0177  | 0.0177             | 1        | EPA 8082A<br>Certifications:                                 | 08/25/2015 13:09      | 08/26/2015 22:18      | AMC     |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> | <b>Acceptance Range</b> |           |         |                    |          |                                                              |                       |                       |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 85.6 %        | 30-140                  |           |         |                    |          |                                                              |                       |                       |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 77.8 %        | 30-140                  |           |         |                    |          |                                                              |                       |                       |         |

### Herbicides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

| CAS No.                     | Parameter                                       | Result        | Flag                    | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|-------------------------------------------------|---------------|-------------------------|-----------|---------|--------------------|----------|----------------------------------------------------------------|-----------------------|-----------------------|---------|
| 93-72-1                     | 2,4,5-TP (Silvex)                               | ND            |                         | ug/kg dry | 21.3    | 21.3               | 1        | EPA 8151A m<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/28/2015 07:49      | 08/28/2015 18:19      | SA      |
| <b>Surrogate Recoveries</b> |                                                 | <b>Result</b> | <b>Acceptance Range</b> |           |         |                    |          |                                                                |                       |                       |         |
| 19719-28-9                  | Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) | 58.2 %        | 30-150                  |           |         |                    |          |                                                                |                       |                       |         |

### Metals, NYSDEC Part 375

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7440-38-2 | Arsenic   | 3.41   |      | mg/kg dry | 1.06    | 1.06               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:33      | ALD     |
| 7440-39-3 | Barium    | 23.7   |      | mg/kg dry | 1.06    | 1.06               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:33      | ALD     |
| 7440-41-7 | Beryllium | ND     |      | mg/kg dry | 0.106   | 0.106              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/25/2015 14:48      | 08/25/2015 21:33      | ALD     |
| 7440-43-9 | Cadmium   | ND     |      | mg/kg dry | 0.319   | 0.319              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:33      | ALD     |
| 7440-47-3 | Chromium  | 10.7   |      | mg/kg dry | 0.532   | 0.532              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:33      | ALD     |
| 7440-50-8 | Copper    | 6.88   |      | mg/kg dry | 0.532   | 0.532              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/25/2015 14:48      | 08/25/2015 21:33      | ALD     |



## Sample Information

**Client Sample ID:** Endpoint 24

**York Sample ID:** 15H0765-06

York Project (SDG) No.

15H0765

Client Project ID

Roberto Clemente

Matrix

Soil

Collection Date/Time

August 24, 2015 11:25 am

Date Received

08/24/2015

### Metals, NYSDEC Part 375

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7439-92-1 | Lead      | 21.1   |      | mg/kg dry | 0.319   | 0.319              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:33      | ALD     |
| 7439-96-5 | Manganese | 71.3   |      | mg/kg dry | 0.532   | 0.532              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/25/2015 14:48      | 08/25/2015 21:33      | ALD     |
| 7440-02-0 | Nickel    | 5.86   |      | mg/kg dry | 0.532   | 0.532              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:33      | ALD     |
| 7782-49-2 | Selenium  | 1.21   |      | mg/kg dry | 1.06    | 1.06               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:33      | ALD     |
| 7440-22-4 | Silver    | ND     |      | mg/kg dry | 0.532   | 0.532              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:33      | ALD     |
| 7440-66-6 | Zinc      | 25.2   |      | mg/kg dry | 1.06    | 1.06               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/25/2015 14:48      | 08/25/2015 21:33      | ALD     |

### Mercury by 7473

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7439-97-6 | Mercury   | 0.0542 |      | mg/kg dry | 0.0319  | 0.0319             | 1        | EPA 7473<br>Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 08/26/2015 07:47      | 08/26/2015 10:15      | KV      |

### Total Solids

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter  | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                  | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|------------|--------|------|-------|---------|--------------------|----------|-----------------------------------|-----------------------|-----------------------|---------|
| solids  | * % Solids | 94.1   |      | %     | 0.100   | 0.100              | 1        | SM 2540G<br>Certifications: CTDOH | 08/24/2015 18:25      | 08/25/2015 12:09      | KK      |

### Chromium, Hexavalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW846-3060

| CAS No.    | Parameter            | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                       | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|----------------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------|-----------------------|-----------------------|---------|
| 18540-29-9 | Chromium, Hexavalent | ND     |      | mg/kg dry | 0.372   | 0.532              | 1        | EPA 7196A<br>Certifications: NJDEP,CTDOH,NELAC-NY10854 | 08/26/2015 08:05      | 08/26/2015 14:38      | SC      |

### Chromium, Trivalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

| CAS No.    | Parameter             | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|-----------------------|--------|------|-------|---------|--------------------|----------|--------------------------------|-----------------------|-----------------------|---------|
| 16065-83-1 | * Chromium, Trivalent | 10.7   |      | mg/kg | 0.250   | 0.500              | 1        | Calculation<br>Certifications: | 08/28/2015 16:55      | 08/28/2015 17:01      | SC      |

### Cyanide, Total

#### Log-in Notes:

#### Sample Notes:



## Sample Information

**Client Sample ID:** Endpoint 24

**York Sample ID:** 15H0765-06

York Project (SDG) No.  
15H0765

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 24, 2015 11:25 am

Date Received  
08/24/2015

Sample Prepared by Method: Analysis Preparation Soil

| CAS No. | Parameter      | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|----------------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 57-12-5 | Cyanide, total | ND     |      | mg/kg dry | 0.532   | 0.532              | 1        | EPA 9014/9010C<br>Certifications: NELAC-NY10854,CTDOH,NJDEP | 08/26/2015 08:46      | 08/27/2015 08:19      | AD      |

## Sample Information

**Client Sample ID:** Endpoint 25

**York Sample ID:** 15H0765-07

York Project (SDG) No.  
15H0765

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 24, 2015 11:35 am

Date Received  
08/24/2015

### Volatile Organics, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.  | Parameter              | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|------------------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 71-55-6  | 1,1,1-Trichloroethane  | ND     |      | ug/kg dry | 3.6     | 7.2                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 04:55      | SS      |
| 75-34-3  | 1,1-Dichloroethane     | ND     |      | ug/kg dry | 3.6     | 7.2                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 04:55      | SS      |
| 75-35-4  | 1,1-Dichloroethylene   | ND     |      | ug/kg dry | 3.6     | 7.2                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 04:55      | SS      |
| 95-63-6  | 1,2,4-Trimethylbenzene | ND     |      | ug/kg dry | 3.6     | 7.2                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 04:55      | SS      |
| 95-50-1  | 1,2-Dichlorobenzene    | ND     |      | ug/kg dry | 3.6     | 7.2                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 04:55      | SS      |
| 107-06-2 | 1,2-Dichloroethane     | ND     |      | ug/kg dry | 3.6     | 7.2                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 04:55      | SS      |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND     |      | ug/kg dry | 3.6     | 7.2                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 04:55      | SS      |
| 541-73-1 | 1,3-Dichlorobenzene    | ND     |      | ug/kg dry | 3.6     | 7.2                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 04:55      | SS      |
| 106-46-7 | 1,4-Dichlorobenzene    | ND     |      | ug/kg dry | 3.6     | 7.2                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 04:55      | SS      |
| 123-91-1 | 1,4-Dioxane            | ND     |      | ug/kg dry | 72      | 140                | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 08/27/2015 16:53      | 08/28/2015 04:55      | SS      |
| 78-93-3  | 2-Butanone             | ND     |      | ug/kg dry | 3.6     | 7.2                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 04:55      | SS      |
| 67-64-1  | Acetone                | ND     |      | ug/kg dry | 7.2     | 14                 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 04:55      | SS      |
| 71-43-2  | Benzene                | ND     |      | ug/kg dry | 3.6     | 7.2                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 04:55      | SS      |
| 56-23-5  | Carbon tetrachloride   | ND     |      | ug/kg dry | 3.6     | 7.2                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 04:55      | SS      |
| 108-90-7 | Chlorobenzene          | ND     |      | ug/kg dry | 3.6     | 7.2                | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 04:55      | SS      |





## Sample Information

**Client Sample ID:** Endpoint 25

**York Sample ID:** 15H0765-07

York Project (SDG) No.  
15H0765

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 24, 2015 11:35 am

Date Received  
08/24/2015

### Volatile Organics, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.                     | Parameter                        | Result        | Flag                    | Units     | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|----------------------------------|---------------|-------------------------|-----------|------------------------|-----|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 67-66-3                     | Chloroform                       | ND            |                         | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 04:55      | SS      |
| 156-59-2                    | cis-1,2-Dichloroethylene         | ND            |                         | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 04:55      | SS      |
| 100-41-4                    | Ethyl Benzene                    | ND            |                         | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 04:55      | SS      |
| 1634-04-4                   | Methyl tert-butyl ether (MTBE)   | ND            |                         | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 04:55      | SS      |
| 75-09-2                     | <b>Methylene chloride</b>        | <b>35</b>     |                         | ug/kg dry | 7.2                    | 14  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 04:55      | SS      |
| 91-20-3                     | Naphthalene                      | ND            |                         | ug/kg dry | 3.6                    | 14  | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NJDEP             | 08/27/2015 16:53      | 08/28/2015 04:55      | SS      |
| 104-51-8                    | n-Butylbenzene                   | ND            |                         | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 04:55      | SS      |
| 103-65-1                    | n-Propylbenzene                  | ND            |                         | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 04:55      | SS      |
| 95-47-6                     | o-Xylene                         | ND            |                         | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 08/27/2015 16:53      | 08/28/2015 04:55      | SS      |
| 179601-23-1                 | p- & m- Xylenes                  | ND            |                         | ug/kg dry | 7.2                    | 14  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854             | 08/27/2015 16:53      | 08/28/2015 04:55      | SS      |
| 135-98-8                    | sec-Butylbenzene                 | ND            |                         | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 04:55      | SS      |
| 98-06-6                     | tert-Butylbenzene                | ND            |                         | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 04:55      | SS      |
| 127-18-4                    | Tetrachloroethylene              | ND            |                         | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 04:55      | SS      |
| 108-88-3                    | Toluene                          | ND            |                         | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 04:55      | SS      |
| 156-60-5                    | trans-1,2-Dichloroethylene       | ND            |                         | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/27/2015 16:53      | 08/28/2015 04:55      | SS      |
| 79-01-6                     | Trichloroethylene                | ND            |                         | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 04:55      | SS      |
| 75-01-4                     | Vinyl Chloride                   | ND            |                         | ug/kg dry | 3.6                    | 7.2 | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 04:55      | SS      |
| 1330-20-7                   | Xylenes, Total                   | ND            |                         | ug/kg dry | 11                     | 21  | 1        | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/27/2015 16:53      | 08/28/2015 04:55      | SS      |
| <b>Surrogate Recoveries</b> |                                  | <b>Result</b> | <b>Acceptance Range</b> |           |                        |     |          |                                                              |                       |                       |         |
| 17060-07-0                  | Surrogate: 1,2-Dichloroethane-d4 | 103 %         | 77-125                  |           |                        |     |          |                                                              |                       |                       |         |
| 2037-26-5                   | Surrogate: Toluene-d8            | 104 %         | 85-120                  |           |                        |     |          |                                                              |                       |                       |         |
| 460-00-4                    | Surrogate: p-Bromofluorobenzene  | 122 %         | 76-130                  |           |                        |     |          |                                                              |                       |                       |         |

### Semi-Volatiles, NYSDEC Part 375 List

### Log-in Notes:

### Sample Notes:



## Sample Information

**Client Sample ID:** Endpoint 25

**York Sample ID:** 15H0765-07

York Project (SDG) No.  
15H0765

Client Project ID  
Roberto Clemente

Matrix  
Soil

Collection Date/Time  
August 24, 2015 11:35 am

Date Received  
08/24/2015

Sample Prepared by Method: EPA 3550C

| CAS No.              | Parameter                   | Result      | Flag             | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------------------|-----------------------------|-------------|------------------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 95-48-7              | 2-Methylphenol              | ND          |                  | ug/kg dry | 42.3                   | 84.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 18:01      | KH      |
| 65794-96-9           | 3- & 4-Methylphenols        | ND          |                  | ug/kg dry | 42.3                   | 84.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/26/2015 08:53      | 08/26/2015 18:01      | KH      |
| 83-32-9              | Acenaphthene                | ND          |                  | ug/kg dry | 42.3                   | 84.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 18:01      | KH      |
| 208-96-8             | Acenaphthylene              | ND          |                  | ug/kg dry | 42.3                   | 84.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 18:01      | KH      |
| 120-12-7             | Anthracene                  | ND          |                  | ug/kg dry | 42.3                   | 84.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 18:01      | KH      |
| 56-55-3              | <b>Benzo(a)anthracene</b>   | <b>75.5</b> | J                | ug/kg dry | 42.3                   | 84.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 18:01      | KH      |
| 50-32-8              | <b>Benzo(a)pyrene</b>       | <b>61.3</b> | J                | ug/kg dry | 42.3                   | 84.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 18:01      | KH      |
| 205-99-2             | <b>Benzo(b)fluoranthene</b> | <b>60.6</b> | J                | ug/kg dry | 42.3                   | 84.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 18:01      | KH      |
| 191-24-2             | Benzo(g,h,i)perylene        | ND          |                  | ug/kg dry | 42.3                   | 84.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 18:01      | KH      |
| 207-08-9             | <b>Benzo(k)fluoranthene</b> | <b>71.4</b> | J                | ug/kg dry | 42.3                   | 84.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 18:01      | KH      |
| 218-01-9             | <b>Chrysene</b>             | <b>80.2</b> | J                | ug/kg dry | 42.3                   | 84.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 18:01      | KH      |
| 53-70-3              | Dibenzo(a,h)anthracene      | ND          |                  | ug/kg dry | 42.3                   | 84.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 18:01      | KH      |
| 132-64-9             | Dibenzofuran                | ND          |                  | ug/kg dry | 42.3                   | 84.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/26/2015 08:53      | 08/26/2015 18:01      | KH      |
| 206-44-0             | <b>Fluoranthene</b>         | <b>148</b>  |                  | ug/kg dry | 42.3                   | 84.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 18:01      | KH      |
| 86-73-7              | Fluorene                    | ND          |                  | ug/kg dry | 42.3                   | 84.3 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP       | 08/26/2015 08:53      | 08/26/2015 18:01      | KH      |
| 118-74-1             | Hexachlorobenzene           | ND          |                  | ug/kg dry | 42.3                   | 84.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 18:01      | KH      |
| 193-39-5             | Indeno(1,2,3-cd)pyrene      | ND          |                  | ug/kg dry | 42.3                   | 84.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 18:01      | KH      |
| 91-20-3              | Naphthalene                 | ND          |                  | ug/kg dry | 42.3                   | 84.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/26/2015 08:53      | 08/26/2015 18:01      | KH      |
| 87-86-5              | Pentachlorophenol           | ND          |                  | ug/kg dry | 42.3                   | 84.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 18:01      | KH      |
| 85-01-8              | <b>Phenanthrene</b>         | <b>74.1</b> | J                | ug/kg dry | 42.3                   | 84.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 18:01      | KH      |
| 108-95-2             | Phenol                      | ND          |                  | ug/kg dry | 42.3                   | 84.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 18:01      | KH      |
| 129-00-0             | <b>Pyrene</b>               | <b>120</b>  |                  | ug/kg dry | 42.3                   | 84.3 | 2        | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/26/2015 08:53      | 08/26/2015 18:01      | KH      |
| Surrogate Recoveries |                             | Result      | Acceptance Range |           |                        |      |          |                                                              |                       |                       |         |
| 367-12-4             | Surrogate: 2-Fluorophenol   | 43.5 %      | 10-95            |           |                        |      |          |                                                              |                       |                       |         |



## Sample Information

**Client Sample ID:** Endpoint 25

**York Sample ID:** 15H0765-07

**York Project (SDG) No.**  
15H0765

**Client Project ID**  
Roberto Clemente

**Matrix**  
Soil

**Collection Date/Time**  
August 24, 2015 11:35 am

**Date Received**  
08/24/2015

### Semi-Volatiles, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.   | Parameter                       | Result | Flag | Units | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|---------------------------------|--------|------|-------|------------------------|-----|----------|------------------|-----------------------|-----------------------|---------|
| 4165-62-2 | Surrogate: Phenol-d5            | 46.6 % |      |       | 10-107                 |     |          |                  |                       |                       |         |
| 4165-60-0 | Surrogate: Nitrobenzene-d5      | 40.6 % |      |       | 10-95                  |     |          |                  |                       |                       |         |
| 321-60-8  | Surrogate: 2-Fluorobiphenyl     | 41.0 % |      |       | 10-97                  |     |          |                  |                       |                       |         |
| 118-79-6  | Surrogate: 2,4,6-Tribromophenol | 66.6 % |      |       | 10-103                 |     |          |                  |                       |                       |         |
| 1718-51-0 | Surrogate: Terphenyl-d14        | 45.7 % |      |       | 19-99                  |     |          |                  |                       |                       |         |

### Pesticides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter           | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ  | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|---------------------|--------|------|-----------|------------------------|------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 72-54-8    | 4,4'-DDD            | ND     |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 14:54      | AMC     |
| 72-55-9    | 4,4'-DDE            | 4.20   |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 14:54      | AMC     |
| 50-29-3    | 4,4'-DDT            | 17.5   |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 14:54      | AMC     |
| 309-00-2   | Aldrin              | ND     |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 14:54      | AMC     |
| 319-84-6   | alpha-BHC           | ND     |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 14:54      | AMC     |
| 5103-71-9  | alpha-Chlordane     | 7.51   |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP             | 08/25/2015 13:09      | 08/27/2015 14:54      | AMC     |
| 319-85-7   | beta-BHC            | ND     |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 14:54      | AMC     |
| 319-86-8   | delta-BHC           | ND     |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 14:54      | AMC     |
| 60-57-1    | Dieldrin            | ND     |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 14:54      | AMC     |
| 959-98-8   | Endosulfan I        | ND     |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 14:54      | AMC     |
| 33213-65-9 | Endosulfan II       | ND     |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 14:54      | AMC     |
| 1031-07-8  | Endosulfan sulfate  | ND     |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 14:54      | AMC     |
| 72-20-8    | Endrin              | ND     |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 14:54      | AMC     |
| 58-89-9    | gamma-BHC (Lindane) | ND     |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 14:54      | AMC     |
| 76-44-8    | Heptachlor          | ND     |      | ug/kg dry | 1.65                   | 1.65 | 5        | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 13:09      | 08/27/2015 14:54      | AMC     |

|           | Surrogate Recoveries            | Result | Acceptance Range |
|-----------|---------------------------------|--------|------------------|
| 877-09-8  | Surrogate: Tetrachloro-m-xylene | 87.9 % | 30-140           |
| 2051-24-3 | Surrogate: Decachlorobiphenyl   | 92.4 % | 30-140           |



## Sample Information

**Client Sample ID:** Endpoint 25

**York Sample ID:** 15H0765-07

**York Project (SDG) No.**  
15H0765

**Client Project ID**  
Roberto Clemente

**Matrix**  
Soil

**Collection Date/Time**  
August 24, 2015 11:35 am

**Date Received**  
08/24/2015

### Polychlorinated Biphenyls (PCB)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag                    | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 12674-11-2                  | Aroclor 1016                    | ND            |                         | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 22:47      | AMC     |
| 11104-28-2                  | Aroclor 1221                    | ND            |                         | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 22:47      | AMC     |
| 11141-16-5                  | Aroclor 1232                    | ND            |                         | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 22:47      | AMC     |
| 53469-21-9                  | Aroclor 1242                    | ND            |                         | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 22:47      | AMC     |
| 12672-29-6                  | Aroclor 1248                    | ND            |                         | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 22:47      | AMC     |
| 11097-69-1                  | Aroclor 1254                    | ND            |                         | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 22:47      | AMC     |
| 11096-82-5                  | Aroclor 1260                    | ND            |                         | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 08/25/2015 13:09      | 08/26/2015 22:47      | AMC     |
| 1336-36-3                   | * Total PCBs                    | ND            |                         | mg/kg dry | 0.0168  | 0.0168             | 1        | EPA 8082A<br>Certifications:                                 | 08/25/2015 13:09      | 08/26/2015 22:47      | AMC     |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> | <b>Acceptance Range</b> |           |         |                    |          |                                                              |                       |                       |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 90.5 %        | 30-140                  |           |         |                    |          |                                                              |                       |                       |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 81.2 %        | 30-140                  |           |         |                    |          |                                                              |                       |                       |         |

### Herbicides, NYSDEC Part 375 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

| CAS No.                     | Parameter                                       | Result        | Flag                    | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|-------------------------------------------------|---------------|-------------------------|-----------|---------|--------------------|----------|----------------------------------------------------------------|-----------------------|-----------------------|---------|
| 93-72-1                     | 2,4,5-TP (Silvex)                               | ND            |                         | ug/kg dry | 20.2    | 20.2               | 1        | EPA 8151A m<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/28/2015 07:49      | 08/28/2015 18:34      | SA      |
| <b>Surrogate Recoveries</b> |                                                 | <b>Result</b> | <b>Acceptance Range</b> |           |         |                    |          |                                                                |                       |                       |         |
| 19719-28-9                  | Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) | 70.2 %        | 30-150                  |           |         |                    |          |                                                                |                       |                       |         |

### Metals, NYSDEC Part 375

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7440-38-2 | Arsenic   | 3.10   |      | mg/kg dry | 1.01    | 1.01               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:51      | ALD     |
| 7440-39-3 | Barium    | 62.0   |      | mg/kg dry | 1.01    | 1.01               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:51      | ALD     |
| 7440-41-7 | Beryllium | ND     |      | mg/kg dry | 0.101   | 0.101              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/25/2015 14:48      | 08/25/2015 21:51      | ALD     |



## Sample Information

**Client Sample ID:** Endpoint 25

**York Sample ID:** 15H0765-07

York Project (SDG) No.

15H0765

Client Project ID

Roberto Clemente

Matrix

Soil

Collection Date/Time

August 24, 2015 11:35 am

Date Received

08/24/2015

### Metals, NYSDEC Part 375

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7440-43-9 | Cadmium   | ND     |      | mg/kg dry | 0.303   | 0.303              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:51      | ALD     |
| 7440-47-3 | Chromium  | 9.62   |      | mg/kg dry | 0.505   | 0.505              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:51      | ALD     |
| 7440-50-8 | Copper    | 10.9   |      | mg/kg dry | 0.505   | 0.505              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/25/2015 14:48      | 08/25/2015 21:51      | ALD     |
| 7439-92-1 | Lead      | 65.9   |      | mg/kg dry | 0.303   | 0.303              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:51      | ALD     |
| 7439-96-5 | Manganese | 98.6   |      | mg/kg dry | 0.505   | 0.505              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/25/2015 14:48      | 08/25/2015 21:51      | ALD     |
| 7440-02-0 | Nickel    | 7.93   |      | mg/kg dry | 0.505   | 0.505              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:51      | ALD     |
| 7782-49-2 | Selenium  | ND     |      | mg/kg dry | 1.01    | 1.01               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:51      | ALD     |
| 7440-22-4 | Silver    | ND     |      | mg/kg dry | 0.505   | 0.505              | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 08/25/2015 14:48      | 08/25/2015 21:51      | ALD     |
| 7440-66-6 | Zinc      | 47.5   |      | mg/kg dry | 1.01    | 1.01               | 1        | EPA 6010C<br>Certifications: CTDOH,NELAC-NY10854,NJDEP       | 08/25/2015 14:48      | 08/25/2015 21:51      | ALD     |

### Mercury by 7473

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

| CAS No.   | Parameter | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7439-97-6 | Mercury   | 0.0710 |      | mg/kg dry | 0.0303  | 0.0303             | 1        | EPA 7473<br>Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 08/26/2015 07:47      | 08/26/2015 10:24      | KV      |

### Total Solids

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter  | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                  | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|------------|--------|------|-------|---------|--------------------|----------|-----------------------------------|-----------------------|-----------------------|---------|
| solids  | * % Solids | 98.9   |      | %     | 0.100   | 0.100              | 1        | SM 2540G<br>Certifications: CTDOH | 08/24/2015 18:25      | 08/25/2015 12:09      | KK      |

### Chromium, Hexavalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW846-3060

| CAS No.    | Parameter            | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                       | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|----------------------|--------|------|-----------|---------|--------------------|----------|--------------------------------------------------------|-----------------------|-----------------------|---------|
| 18540-29-9 | Chromium, Hexavalent | ND     |      | mg/kg dry | 0.354   | 0.505              | 1        | EPA 7196A<br>Certifications: NJDEP,CTDOH,NELAC-NY10854 | 08/28/2015 11:01      | 08/28/2015 16:54      | SC      |

### Chromium, Trivalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|-----------|--------|------|-------|---------|--------------------|----------|------------------|-----------------------|-----------------------|---------|
|---------|-----------|--------|------|-------|---------|--------------------|----------|------------------|-----------------------|-----------------------|---------|



## Sample Information

**Client Sample ID:** Endpoint 25

**York Sample ID:** 15H0765-07

York Project (SDG) No.

15H0765

Client Project ID

Roberto Clemente

Matrix

Soil

Collection Date/Time

August 24, 2015 11:35 am

Date Received

08/24/2015

### Chromium, Trivalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

| CAS No.    | Parameter             | Result | Flag | Units | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method               | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|-----------------------|--------|------|-------|---------|--------------------|----------|--------------------------------|-----------------------|-----------------------|---------|
| 16065-83-1 | * Chromium, Trivalent | 9.62   |      | mg/kg | 0.250   | 0.500              | 1        | Calculation<br>Certifications: | 08/28/2015 16:55      | 08/28/2015 17:01      | SC      |

### Cyanide, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

| CAS No. | Parameter      | Result | Flag | Units     | LOD/MDL | Reported to<br>LOQ | Dilution | Reference Method                                            | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|----------------|--------|------|-----------|---------|--------------------|----------|-------------------------------------------------------------|-----------------------|-----------------------|---------|
| 57-12-5 | Cyanide, total | ND     |      | mg/kg dry | 0.505   | 0.505              | 1        | EPA 9014/9010C<br>Certifications: NELAC-NY10854,CTDOH,NJDEP | 08/26/2015 08:46      | 08/27/2015 08:19      | AD      |



### Volatile Analysis Sample Containers

| Lab ID     | Client Sample ID | Volatile Sample Container         |
|------------|------------------|-----------------------------------|
| 15H0765-01 | Endpoint 19      | 40mL Vial with Stir Bar-Cool 4° C |
| 15H0765-02 | Endpoint 20      | 40mL Vial with Stir Bar-Cool 4° C |
| 15H0765-03 | Endpoint 21      | 40mL Vial with Stir Bar-Cool 4° C |
| 15H0765-04 | Endpoint 22      | 40mL Vial with Stir Bar-Cool 4° C |
| 15H0765-05 | Endpoint 23      | 40mL Vial with Stir Bar-Cool 4° C |
| 15H0765-06 | Endpoint 24      | 40mL Vial with Stir Bar-Cool 4° C |
| 15H0765-07 | Endpoint 25      | 40mL Vial with Stir Bar-Cool 4° C |





## Notes and Definitions

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| J           | Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.                                                                                                                                                                                                                                                                      |
| <hr/>       |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| *           | Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.                                                                                                                                                                                                                                                                                                                               |
| ND          | NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)                                                                                                                                                                                                                                                                                                                                                      |
| RL          | REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.                                                                                                                                                                                                                                                                                                                                 |
| LOQ         | LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.                                                                     |
| LOD         | LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.                                                                                                                                                                       |
| MDL         | METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.                                                                                                                |
| Reported to | This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.                                                                                                 |
| NR          | Not reported                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| RPD         | Relative Percent Difference                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Wet         | The data has been reported on an as-received (wet weight) basis                                                                                                                                                                                                                                                                                                                                                                              |
| Low Bias    | Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.           |
| High Bias   | High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.         |
| Non-Dir.    | Non-dir. flag (Non-Directional Bias ) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons. |

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.

For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.



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# Field Chain-of-Custody Record

B7

Page 1 of 1

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.  
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 15H0765

|                                                                                                                                                                                                                              |                                                                                                                                |                                                                                                                                            |                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>YOUR Information</b><br>Company: <u>Enviroscience</u><br>Address: <u>2150 Smithtown Ave</u><br><u>Roseton, NY 11791</u><br>Phone No. <u>631-580-3191</u><br>Contact Person: <u>Kathryn Loddenguard</u><br>E-Mail Address: | <b>Report To:</b><br>Company: <u>Same</u><br>Address: <u>↓</u><br>Phone No. <u>↓</u><br>Attention: <u>↓</u><br>E-Mail Address: | <b>Invoice To:</b><br>Company: <u>Same</u><br>Address: <u>↓</u><br>Phone No. <u>↓</u><br>Attention: <u>Greg Menegio</u><br>E-Mail Address: | <b>YOUR Project ID</b><br><u>Roberto Clemente</u><br><b>Purchase Order No.</b><br><br>Samples from: CT <input type="checkbox"/> NY <input checked="" type="checkbox"/> NJ <input type="checkbox"/> | <b>Turn-Around Time</b><br>RUSH - Same Day <input type="checkbox"/><br>RUSH - Next Day <input type="checkbox"/><br>RUSH - Two Day <input type="checkbox"/><br>RUSH - Three Day <input type="checkbox"/><br>RUSH - Four Day <input type="checkbox"/><br><b>Standard(5-7 Days)</b> <input checked="" type="checkbox"/> | <b>Report Type</b><br>Summary Report <input checked="" type="checkbox"/><br>Summary w/ QA Summary <input type="checkbox"/><br>CT RCP Package <input type="checkbox"/><br>CT RCP DQA/DUE Pkg <input type="checkbox"/><br>NY ASP A Package <input type="checkbox"/><br>NY ASP B Package <input type="checkbox"/><br>NJDEP Red. Deliv. <input type="checkbox"/><br><b>Electronic Data Deliverables (EDD)</b><br>Simple Excel <input type="checkbox"/><br>NYSDEC EQuIS <input type="checkbox"/><br>EQuIS (std) <input type="checkbox"/><br>EZ-EDD (EQuIS) <input type="checkbox"/><br>NJDEP SRP HazSite EDD <input type="checkbox"/><br>GIS/KEY (std) <input type="checkbox"/><br>Other <input type="checkbox"/><br><b>York Regulatory Comparison</b><br><b>Excel Spreadsheet</b><br>Compare to the following Regs. (please fill in):<br><table border="1"><tr><td> </td></tr></table> |  |
|                                                                                                                                                                                                                              |                                                                                                                                |                                                                                                                                            |                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |

**Print Clearly and Legibly. All Information must be complete.**  
**Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.**

Kathryn Loddenguard  
Samples Collected/Authorized By (Signature)  
Kathryn Loddenguard  
Name (printed)

**Matrix Codes**  
S - soil  
Other - specify (oil, etc.)  
WW - wastewater  
GW - groundwater  
DW - drinking water  
Air-A - ambient air  
Air-SV - soil vapor

| Volatiles                                                                                                                                         | Semi-Vols.                                                                                                                                       | Pest/PCB/Herb                                                                                                                                                                      | Metals                                                                                                                                          | Misc. Org.                                                                                                                               | Full Lists                                                                                                                                                                                                 | Misc.                                                                                                                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8260 full<br>624<br>STARS list<br>BTEX<br>MTBE<br>TCL list<br>TAGM list<br>CT RCP list<br>Arom. only<br>Halog. only<br>App. IX list<br>8021B list | TICs<br>Site Spec.<br>Nassau Co.<br>Suffolk Co.<br>Ketones<br>Oxygenates<br>TCLP list<br>524.2<br>502.2<br>NJDEP list<br>App. IX<br>SPLP or TCLP | 8270 or 625<br>STARS list<br>BN Only<br>Acids Only<br>PAH list<br>App. IX<br>Site Spec.<br>SPLP or TCLP<br>TCLP list<br>TCLP Pest<br>TCLP Herb<br>Chlordane<br>608 Pest<br>608 PCB | RCRA8<br>PP13 list<br>TAL<br>CT15 list<br>TPH 1664<br>NJDEP list<br>Total<br>Dissolved<br>SPLP or TCLP<br>Indiv. Metals<br>LIST Below<br>Helium | TPH GRO<br>TPH DRO<br>CT ETPH<br>NY 310-13<br>TPH 1664<br>Air TO14A<br>Air TO15<br>Air STARS<br>Air VPH<br>Air TICs<br>Methane<br>Helium | Pri. Poll.<br>TCL Organics<br>TAL MetCN<br>Full TCLP<br>Full App. IX<br>Part 360 Routine<br>Part 360 Baseline<br>Part 360 Expanded<br>Part 360 Exempt<br>Full List<br>NYCDEP Sewer<br>NYSDEC Sewer<br>TAGM | Corrosivity<br>Reactivity<br>Ignitability<br>Flash Point<br>Sieve Anal.<br>Heterotrophs<br>TOX<br>BTU/lb.<br>Aquatic Tox.<br>TOC<br>Asbestos<br>Silica |

| Sample Identification | Date/Time Sampled | Sample Matrix | Choose Analyses Needed from the Menu Above and Enter Below | Container Description(s) |
|-----------------------|-------------------|---------------|------------------------------------------------------------|--------------------------|
| Endpoint 19           | 8/24/15 1030      | S             | NYSDEC Part 375 VOCs, SVOCs, Metals                        | 3 - Encore               |
| Endpoint 20           | 1040              | ↓             | PCBs, Pesticides and herbicides all                        | 1 - 402 1-802            |
| Endpoint 21           | 1055              | ↓             | samples analyzed for all parameters                        | ↓                        |
| Endpoint 22           | 1105              | ↓             | ↓                                                          | ↓                        |
| Endpoint 23           | 1115              | ↓             | ↓                                                          | ↓                        |
| Endpoint 24           | 1125              | ↓             | ↓                                                          | ↓                        |
| Endpoint 25           | 1135              | ↓             | ↓                                                          | ↓                        |

Page 50 of 50

Comments

|                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                    |                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| <b>Preservation</b><br>Check those Applicable<br>Special Instructions<br>Field Filtered <input type="checkbox"/><br>Lab to Filter <input type="checkbox"/> | 4°C <input checked="" type="checkbox"/> Frozen <input type="checkbox"/> HCl <input type="checkbox"/> MeOH <input type="checkbox"/><br>ZnAc <input type="checkbox"/> Ascorbic Acid <input type="checkbox"/><br><u>Kathryn Loddenguard</u> 8/24/15<br>Samples Relinquished By Date/Time<br><u>KBah</u> 8-24-15<br>Samples Relinquished By Date/Time | HNO <sub>3</sub> <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> NaOH <input type="checkbox"/><br>Other <input type="checkbox"/><br><u>KBah</u> 8/24/15<br>Samples Received By Date/Time<br><u>TC Fuhler</u> 8/24/15 1655<br>Samples Received in LAB by Date/Time | Temperature on Receipt<br>41 °C |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|