FINAL
CONSTRUCTION COMPLETION REPORT
INDUSTRIAL OVERALL SERVICES
SITE # 360109

WORK ASSIGNMENT NO. D007619-07

Prepared for:

New York State Department of Environmental Conservation
Albany, New York

Prepared by:

MACTEC Engineering and Consulting, P.C.
Portland, Maine

MACTEC: 3612112221

AUGUST 2015

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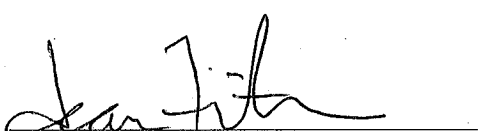
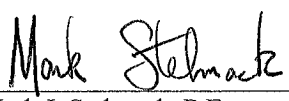
Submitted by:



Jean Firth, C.G.
Senior Project Manager

Approved by:



Mark J. Stelmack, P.E.
Principal Professional

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GLOSSARY OF ACRONYMS AND ABBREVIATIONS

Aztech Technologies	Aztech
bgs	below ground surface
CAMP	Community Air Monitoring Plan
CCR	Construction Completion Report
DER	Department of Environmental Remediation
IRM	Interim Remedial Measure
MACTEC	MACTEC Engineering and Consulting, P.C.
mg/kg	milligram(s) per kilogram
MNRR	Metro North Railroad
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
OSHA	Occupational Safety and Health Administration
PCE	tetrachloroethene
PID	photoionization detector
SCO	Soil Cleanup Objectives
Site	Industrial Overall Services
SOW	Scope of Work
TSDF	treatment, storage, or disposal facilities
TCE	trichloroethene
VOCs	volatile organic compounds

1.0 INTRODUCTION AND SITE BACKGROUND

MACTEC Engineering and Consulting, P.C. (MACTEC), under contract to the New York State Department of Environmental Conservation (NYSDEC), is submitting this Construction Completion Report (CCR) to document the Interim Remedial Measure (IRM) conducted in June 2014 at and adjacent to the Industrial Overall Services site (Site), in New Rochelle, Westchester County, New York.

This CCR has been prepared in accordance with the NYSDEC requirements in work assignment No. #D007619-07 outlined in the Superfund Standby Contract between MACTEC and the NYSDEC; and with Department of Environmental Remediation (DER)-10/Technical Guidance (NYSDEC, 2010). Activities described in this CCR include:

1. Mobilization of equipment and personnel to the Site.
2. Removal and disposal of debris.
3. Removal/Clearing of trees and brush.
4. Removal of contaminated soil.
5. On-site treatment of construction water.
6. Regrading of soil north of the Site.
7. Collection of documentation and confirmation soil samples.
8. Characterization of waste generated during execution of the work, and transport and disposal of trash and hazardous waste at licensed treatment, storage, or disposal facilities (TSDF) approved by the NYSDEC.
9. Completion of site restoration activities.

The Site is located at 10 Bartels Place in New Rochelle, Westchester County, New York (Figure 1.1) and is listed as a Class 2 Inactive hazardous waste site; Site No. 630109, in the Registry of Hazardous Waste Sites in New York State (NYS). The Site is approximately 0.42 acres in size and resides on a slightly sloping irregularly shaped parcel. Site features includes a six-sided building which occupies the majority of the property, and a small parking area located west of the building (Figure 1.2). The Site has operated as a uniform and industrial cleaning facility for heavily soiled clothing, such as auto body and gasoline dispensing business uniforms, since 1950. The property currently contains an active laundering facility, Apparel + Plus.

The surrounding area is urban with a mix of commercial and residential structures. An active railroad (operated by Metro North Railroad (MNRR) abuts the Site to the northwest. Apparel + Plus uses the railroad property between the Site building and the railroad tracks for employee parking.

The Site and surrounding properties are serviced by public sewer and water.

2.0 IRM SCOPE OF WORK

2.1 DESCRIPTION OF THE IRM

An IRM is a cleanup activity performed when a source of contamination or exposure pathway (the way in which a person may contact contamination) can be effectively addressed without the extensive investigation and evaluation provided by a Remedial Investigation/Feasibility Study (RI/FS). Although the Site is undergoing an RI/FS, there was an area of the Site that warranted an IRM, discussed further in this subsection.

Chlorinated solvent contamination, primarily tetrachloroethene (PCE), has been identified in soil on and adjacent to the Site at concentrations exceeding New York State Subpart 375 Remedial Program Soil Cleanup Objectives (SCOs). More specifically, PCE is present in debris piles and surficial soils located west and northwest of the Site building, on the Site property, MNRR property, and the adjacent property to the west used for residential purposes.

Soil contamination appears to be the result of historical Site practices, including surficial disposal of waste materials originating from the Site, including materials from the lint trap. The lint trap is a subsurface structure to which wastewater from the Site laundering processes flows, resulting in capture of solid materials prior to discharge to the sanitary sewer. The location of the lint trap is shown on Figure 1.2. Sludge samples collected in 2014 from the bottom of the lint trap contained volatile organic compounds (VOCs), including PCE, at concentrations as high as 38,000 milligrams per kilogram (mg/kg) (MACTEC, 2014). In January 2014, Apparel + Plus disposed of sludge removed from the bottom of the lint trap on MNRR property northwest of the site building. It is likely that PCE contained in historically disposed waste materials leached into the underlying soils and migrated through precipitation run-off onto the adjacent property used for residential purposes.

The objective of the IRM was to remove soil that exceeded the Residential SCOs on the adjacent residential use property (Residential Area), located west of the Site. The IRM Scope of Work (MACTEC, 2013) estimated that soil would be removed to a depth of up to six feet below grade, resulting in an estimated 125 to 160 cubic yards of soil requiring removal to meet SCOs. Also

during the IRM, the Site and MNRR property northwest of the Residential Area (Northern Area) were re-graded to prevent surface water run-off from the area of surficial contamination (soil and debris piles) onto the Residential Area. To meet the required grades some soil was removed and disposed off-site as hazardous waste. The volume of soil estimated to be removed as part of this IRM was based on the New York State Subpart 375 Remedial Program Soil Cleanup Objective for the protection of groundwater; however, the Soil Cleanup Objective for the IRM was Residential Use. The estimated volume includes surficial soils within two debris piles located on MNRR property west and northwest of the Site Building (Figure 1.2). One of the two piles is also partly located on the Site property and on the residential use property. Figure 2.1 shows the limits of work for the IRM. Figures 2.2 and 2.3 show the planned excavation and restoration plans, respectively.

2.2 GOVERNING DOCUMENTS

The *Interim Remedial Measure – Soil Excavation and Removal Scope of Work* (MACTEC, 2013) served as the governing document for the remedial activities The SOW included construction drawings, work specifications, and monitoring requirements. The NYSDEC selected Aztech Technologies, Inc. (Aztech) as their callout Contractor to complete the remedial activities at the Site. Aztech completed site activities in accordance with the requirements specified in the SOW and in their Remedial Services Standby Contract with NYSDEC. MACTEC served as both the design engineer for the project and oversight engineer for the remedy construction.

2.3 IRM EXECUTION

The IRM scope of work (SOW) (MACTEC, 2013) included the following primary tasks:

1) Mobilization of equipment to and from the Site (e.g., excavator, bobcat, soil roll-off containers).
2) Set up of silt fence at the limits of work to prevent off-site migration of disturbed soils.
3) Set up of temporary site controls during the IRM, including but not limited to:
    a. construction fencing to control access to excavations left open
    b. sheeting laid on the ground surface to prevent migration while temporarily stockpiling the soil
    c. covering soil piles that were stockpiled temporarily
4) Moving a storage shed on the Residential Area to a location agreed upon by the residential property owner to enable access to this excavation area (west of the Site property).

5) Removing debris and trash located within the remediation area and transporting and disposing of the materials off-site.
6) Clearing trees and brush from the remediation area and disposing of the generated waste off-site.
7) Excavating soil on the Residential Area and the Northern Area to the elevations indicated in the SOW without disturbing any intact pavement underlying soil/debris.
8) Collecting documentation samples from the soil excavation side wall and bottom for laboratory analysis of VOCs.
9) Conducting soil removal in the Northern Area to meet the final grades which will redirect surface water run-off away from the Residential Area as indicated in the SOW. Soils containing visual impacts of Site related waste materials were prioritized for removal.
10) Backfilling the excavation area to within six inches of final grade using clean borrow that meets the requirements of the NYSDEC DER-10 Section 5.4; analytical results are included in Appendix A. Placing a marker layer (orange snow fence) prior to backfilling the excavation.
11) Placing six inches of topsoil on the remediation area. Analytical results documenting that the topsoil meets the requirements of the NYSDEC DER-10 Section 5.4 are included in Appendix A.
12) Seeding and mulching the new excavation area surface.
13) Installing a six-inch high asphalt curb along the existing paved parking area described in the SOW to direct storm/surface water runoff from the area of soil/debris contamination to the street.

The IRM was completed during the period June 2, 2014 to June 19, 2014 as described in the following subsections. MACTEC provided construction oversight and documentation throughout the remedial action. Daily activities and photographs were recorded on the Daily Construction Oversight Reports (Included in Appendix B).

2.3.1 Site Mobilization and Preparation

Aztech mobilized the following equipment and materials to the site:

- Bobcat T300
- Kobelco – 80CS Excavator
- Wood Chip Truck and Chipper (Benny's Tree Service)
- 10 yard, 20 yard, and 30 yard roll-off containers
- Construction fence and silt fence
- Sediment filter and drum of granular activated carbon for water treatment

- Bank run backfill (approximately 103.37 tons)
- Loam (approximately 63.98 tons)

Appropriate erosion and sediment control best management practices were in place prior to commencing soil disturbance activities. Erosion and sedimentation controls employed during remedial activities were in conformance with the best management practices defined in the New York Standards and Specifications for Erosion and Sediment Control (August 2005).

2.3.2 Site Access

Access controls (i.e. silt fencing and construction fencing) were employed during the IRM to deter unauthorized access to the remediation area, and to reduce potential public exposure to accessible contaminated soil while the work was being performed.

The work area was accessed from Bartels Place by way of the Site driveway. Work conducted within 25 feet of the railroad tracks required flaggers provided by MNRR.

2.3.3 Removal of Trees, Brush, and Debris

Prior to soil removal activities, brush and trees were removed from the Northern Area (area along the railroad tracks), and from the Residential Area (area along the western Site boundary). Benny's Tree Services as a subcontractor to Aztech conducted the tree removal. Tree branches and trunks were chipped on-site and then removed from the site. Brush and tree stumps were cleaned of soil and disposed of off-site as non-hazardous solid waste. In addition to trees and brush, solid waste that was at or near the surface, including concrete, scrap metal (empty drums), and trash was also disposed off-site as non-hazardous solid waste. Non-hazardous solid waste was removed from the site in four 10-cubic yard dumpsters and transported to the Recycling Facilities Transfer Station in Mamaroneck, NY for disposal. Facility disposal documentation is included in Appendix C; the following table presents the quantities of waste disposed.

Non-hazardous Solid Waste Removed (tons)	Date of Transport to Mamaroneck
1.5	6/4/14
2.2	6/5/14
3.02	6/12/14
2.07	6/13/14
Total: 8.79 tons	

2.3.4 Hazardous Soil Excavation and Removal

Excavation of hazardous soil was conducted from June 3 to June 17, 2014. The Contractor executed the work by methods that minimized dust generation. Dust control systems were implemented, as necessary, to meet local, state, and/or federal regulations for air and dust emissions. The dust control measures were such that, at a minimum, air quality was in compliance with the New York State Department of Health Generic Community Air Monitoring Plan (CAMP), the site-specific CAMP, and applicable Occupational Safety and Health Administration (OSHA) regulations.

The Contractor was responsible for assuring that all sampling, analysis, transportation, and disposal requirements of the TSDF including Federal, State, and local regulations were complied with and properly documented.

Soil was placed in roll-off containers with 20 and 30 yard capacity and transported to Clean Earth of North Jersey in Keamy, NJ. Facility waste disposal documentation is provided in Appendix C; the following summary presents the quantities of hazardous soil removed from the site.

Hazardous Soil Excavated (pounds)	Date of Transport to Clean Earth Landfill	Manifest Number
38,380	6/11/14	013133054 JJK
43,660	6/11/14	013133055 JJK
38,940	6/11/14	013133056 JJK
40,340	6/13/14	013133058 JJK
39,060	6/13/14	013132604 JJK
39,860	6/17/14	013133084 JJK
32,440	6/17/14	013133055 JJK
Total: 272,680 pounds (136.34 tons)		

2.3.5 Confirmation/Documentation Samples

Confirmation and documentation samples were collected from the excavation area in June 2014. Three samples were collected from the bottom of the excavation and 11 samples were collected from the sidewall of the excavation in accordance with DER-10, Technical Guidance for Site Investigation and Remediation (NYSDEC, 2010). One additional sample was collected at a location outside of the excavation area. Nine of the samples collected were confirmation samples from the Residential Area to confirm that the Residential SCOs were met. An additional six samples were documentation samples collected from outside of the Residential Area to document the concentrations of PCE remaining in the soil.

The results from the confirmation samples show that the SCO was met for all but one sample. The results from sample location ESW-01 (1 foot bgs) in the Residential Area exceeded Residential SCOs, therefore additional soil was excavated. This resulting limit of excavation was outside the Residential Area. A documentation sample was collected (location ESW-01A at 2 feet bgs) at the new extent of the excavation. One additional documentation sample (location ESS-01 at the ground surface) was also collected from an area outside the limits of excavation where visible lint was shoveled from around the catenary pole. Samples were analyzed by Pace Analytical for VOCs by United States Environmental Protection Agency method 8260.

Sample locations are shown on Figure 2.4.

PCE and trichloroethene (TCE) results are summarized below and complete analytical results are included in the Data Usability Summary Report which is provided in Appendix D.

PCE and TCE Results: IRM Confirmation/Documentation Samples

(mg/kg)

Location	Sample ID	Sample Depth (feet bgs)	PCE (mg/kg)	TCE (mg/kg)	Location Use
Confirmation Samples					
ESW-01	360109-ESW0101**	1	14	0.290	Residential
ESW-01	360109-ESW0104	4	2.2	0.072	Residential
ESW-04	360109-ESW0401	4	0.18	ND	Residential
ESW-04	360109-ESW0402	2	1.5	ND	Residential
ESW-05	360109-ESW0501	1	1.9	ND	Residential
ESW-05	360109-ESW0503	3	1.7	0.039	Residential
ESB-01	360109-ESB0106	6	0.34	ND	Residential
ESB-02	360109-ESB0202	2	0.65	ND	Residential
ESB-03	360109-ESB0303	3	2.2	0.038	Residential
Documentation Samples					
ESW-01A	360109-ESW01A02	2	13	0.37	Industrial
ESW-02	360109-ESW0201	1	5.7	0.087	Industrial
ESW-02	360109-ESW0204	4	50	0.71	Industrial
ESW-03	360109-ESW0301	1	38	ND	Industrial
ESW-03	360109-ESW0302	2	2.3	ND	Industrial
ESS-01	360109-ESS0100	0	0.12	ND	Industrial

Notes: mg/kg = milligrams per kilogram

Residential Use Soil Cleanup Objective is 5.5 mg/Kg for PCE and 10 mg/Kg for TCE

ND = Not detected (reporting limit)

bgs = below ground surface

** Sample location subsequently excavated

2.3.6 Construction Water

Water that accumulated in the excavation was pumped out (when necessary) through a sediment filter and then through a granular activated carbon drum prior to discharge to the ground surface and eventual discharge to the storm sewer. A total of approximately 697 gallons of water (primarily from rain) were removed from the excavation.

2.3.7 Imported Backfill

Upon completion of the soil removal on the Residential Area, orange construction fence was placed at the bottom of the excavation as a demarcation layer. The excavation was then backfilled with

103.37 tons of clean bank run gravel and compacted with the excavator. Backfill soil was analyzed prior to placement onsite to ensure the materials met the requirements of NYSDEC DER-10 Section 5.4; analytical results are included in Appendix A.

2.3.8 Air Monitoring

Aztech conducted the onsite excavation work in a manner that minimized the generation of dust and air emissions. MACTEC implemented the CAMP throughout the remedy to measure the impact of these activities with respect to fugitive dust and air emissions. Wind direction (and weather) was measured with a Davis-Vantage Pro 2 Weather Perimeter Station and documented in the field log-book.

Dust monitoring with a Data Ram 4 was conducted on the first two days of excavation work, June 3 and 4, 2014. The criteria for downwind particulate level, 100 micrograms per cubic meter greater than the upwind particulate level for the 15-minute period, was not exceeded during the monitored activities. The remainder of work was conducted during rainy days. Dust monitoring data was not logged during rain events because precipitation would suppress the dust generated. In the event that the rain subsided, water was sprinkled on the excavation as a precautionary measure. CAMP monitoring data is provided in Appendix E.

VOC monitoring was also conducted as part of the CAMP and the criteria for ambient air concentration of total organic vapors at the downwind perimeter (i.e., greater than 5 parts per million above background) was not exceeded during the soil excavation activities on June 3 and June 4, 2014. Rains prevented the continued use of photoionization Detector (PID) stations during the remainder of the IRM, however, a PID was used to measure general air conditions in the area of excavation during the IRM and action levels were not exceeded. PID Calibration Records are included in Appendix E.

2.3.9 Site Restoration

After completion of soil excavation and common borrow backfill, Aztech conducted restoration activities which included:

- Placing of six inches of topsoil on the Northern and Residential areas (total of 63.98 tons)
- Repairing and moving the shed on the Residential Area to a location designated by the property owner
- Installing 94 feet of asphalt curbing along western edge of the Site parking area to prevent the migration of storm water runoff onto the adjacent residential property
- Seeding and mulching excavation areas
- Demobilizing equipment from the property
- Conducting a final grading survey.

2.3.10 Construction Surveys

MACTEC subcontracted Prudent Engineering LLP to conduct the post IRM survey which included the following:

- An As-Built Drawing which show the vertical and horizontal extent of the soil removal as well as the post IRM topography
- Survey data in electronic file format compatible with AutoCAD 2008 (or later version) and Adobe Acrobat (.pdf format).

The Final Site Survey/As-Built Drawing is included in Appendix F.

2.3.11 Health and Safety

Aztech completed the work following the protocols described in their Site-specific Health and Safety Plan (MACTEC, 2014a). MACTEC's Site engineer, Mr. Thomas Longley, oversaw and documented the IRM activities and served as MACTEC's Health and Safety Officer. Mr. Longley conducted daily work plan/safety meetings to review the planned tasks and any associated safety hazards. All work was accomplished using Level D personal protective equipment. Weather during the period of excavation and restoration varied between the mid-60s, to the mid-90s (degrees Fahrenheit). The work was accomplished safely; there were no safety or health incidents during the course of the project. Daily work logs are provided in Appendix B.

3.0 DEVIATIONS FROM THE WORK PLAN

The following deviations to the Work Plan occured during remediation activities:

- Additional soil and debris was removed from the Site and MNRR property to meet the regrading objectives. The existing pavement extended further beneath the debris piles than anticipated; therefore additional soil and debris (concrete, metal) were removed for offsite disposal.
- Actual soil excavation limits were less extensive than the limits presented in the SOW. This was the result of the additional competent pavement discovered beneath the western debris pile (in the Residential Area). In accordance with the SOW, soil excavation was not conducted beneath competent pavement.
- Additional soil was hand shoveled from around the western utility tower to remove visible lint and to better match final grades of the adjacent excavation.

4.0 ENGINEER'S CONSTRUCTION CERTIFICATION

I, Mark Stelmack, certify that I am currently a NYS licensed professional engineer. I had primary direct responsibility for the implementation of the subject construction program, and I certify that the IRM Soil Removal Work Plan and Specifications for the Industrial Overall Uniform Corporation Site were implemented and that all construction activities were completed in substantial conformance with the DER-approved Remedial Design Plans and Specifications.

Signature: _____

Mark J. Stelmack, P.E.
Associate Engineer

Date: August 14, 2015

5.0 REFERENCES

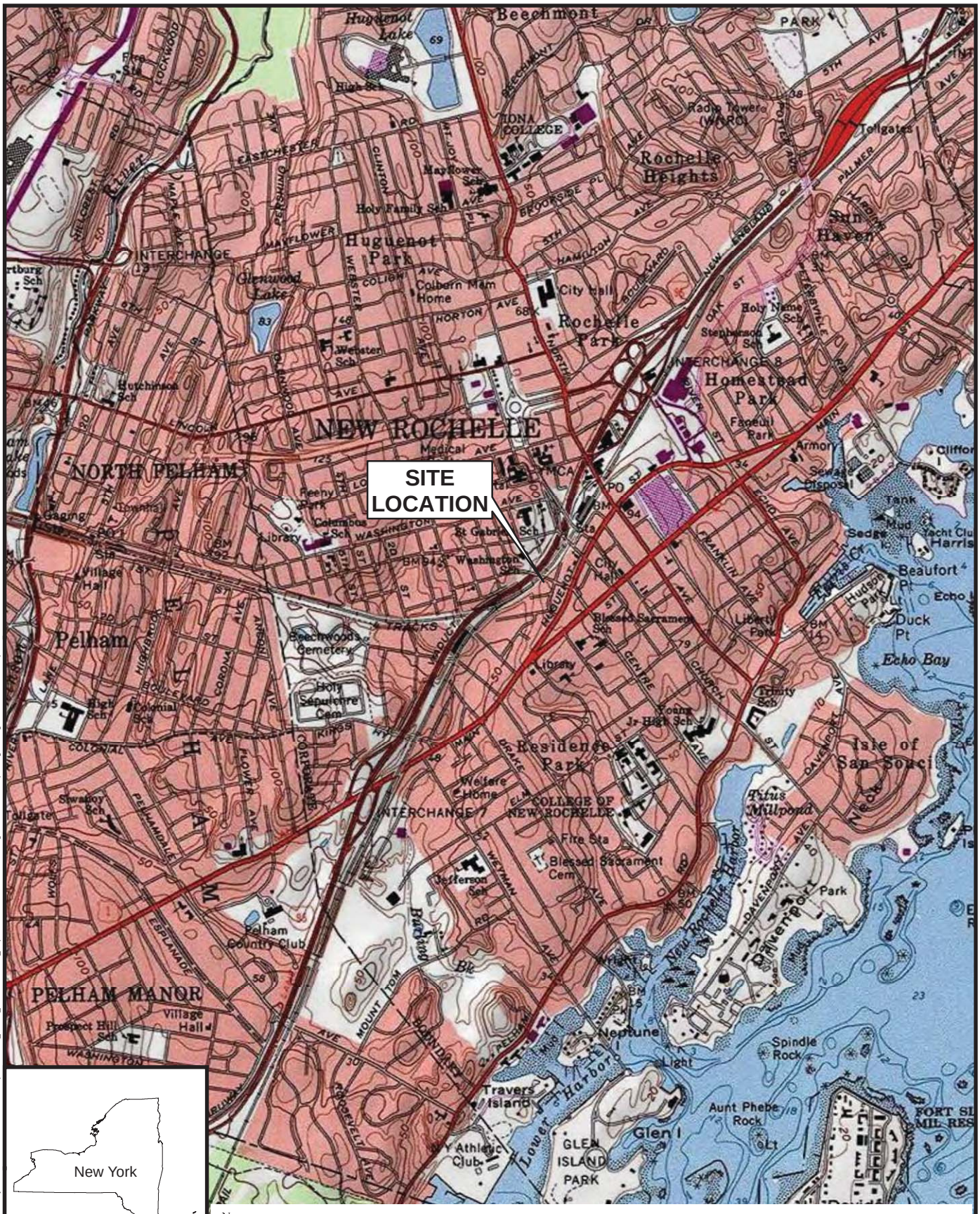
MACTEC, 2013. MACTEC Engineering and Consulting, Inc. P.C., IRM Soil Excavation and Removal Scope of Work, Industrial Overall Uniform Corporation Site, New Rochelle, New York; November 2013.

MACTEC, 2014. Data Usability Summary Report, May and June 2014, Soil and Groundwater Sampling Event, Industrial Overall Uniform Corporation, New Rochelle, New York. June 2014.

MACTEC, 2014a. MACTEC Short Form HASP Industrial Overall Service Corporation---Site No. 360109. May 13, 2014.

NYSDEC 2010. DER-10 / Technical Guidance for Site Investigation and Remediation, Issued May 3, 2010.

FIGURES



USGS digital topographic map from ArcGIS Online map services. Map service information available at: http://goto.arcgisonline.com/maps/USA_Topo_Maps

Prepared/Date: MJW 04/18/14
Checked/Date: JMF 04/18/14

INDUSTRIAL OVERALL SERVICE CORP
WESTCHESTER COUNTY
NEW ROCHELLE, NEW YORK

MACTEC

SITE LOCATION IN
NEW ROCHELLE
Figure 1.1

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Legend

Sample Locations:
- Direct Push Groundwater
- Monitoring Well
- Piezometer
- Direct Push Soil
- Residental Soil
- Sediment
- Catch Basin
- Residential Sump
- Sump/Vault
- Sub-Slab Screening Location
- Site Boundary
- Property Lines

- Approximate Limits of the Debris Piles
- Roof Drain
- 3-Inch Sanitary Sewer Line
- 4-Inch Sanitary Sewer Line
- Vault
- Wall
- Window-Vent
- Former Dry Cleaning Unit
- Lint Trap/Pit
- Sump Drain
- Sanitary Sewer Trap

Metro North
Hall
Centre Avenue
No First Floor
Lunch Room
Boiler Room
Bathroom/ Closet
Bartels Place
Relyea Place
MW-25B
MW-25
GS-03/GW-03
PZ-23
PZ-15
SP-001
3
GS-07
2
GS-01/GW-01
GS-25
15
1
GS-18
GS-17
GS-08
9
SS-101
SS-105
SS-106
SS-107
SS-102
PZ-19
GS-02
GS-16
GS-29
4
PZ-28
SW-001
MW-21
SW-002/SD-002
SS-104
SS-100
SS-108
PZ-22
16
PZ-20
GS-06
6
8
CB-1
SS-103
GS-09
GS-26
17
GS-05
GS-27
GS-04/GW-04
CL-004
MW-24
MW-24B
14
13
12
10
7
5
11
GS-10
PZ-21
CL-006
MW-22
MW-22B
SD-1

Prepared/Date: MJW 04/23/15
Checked/Date: JMF 04/23/15

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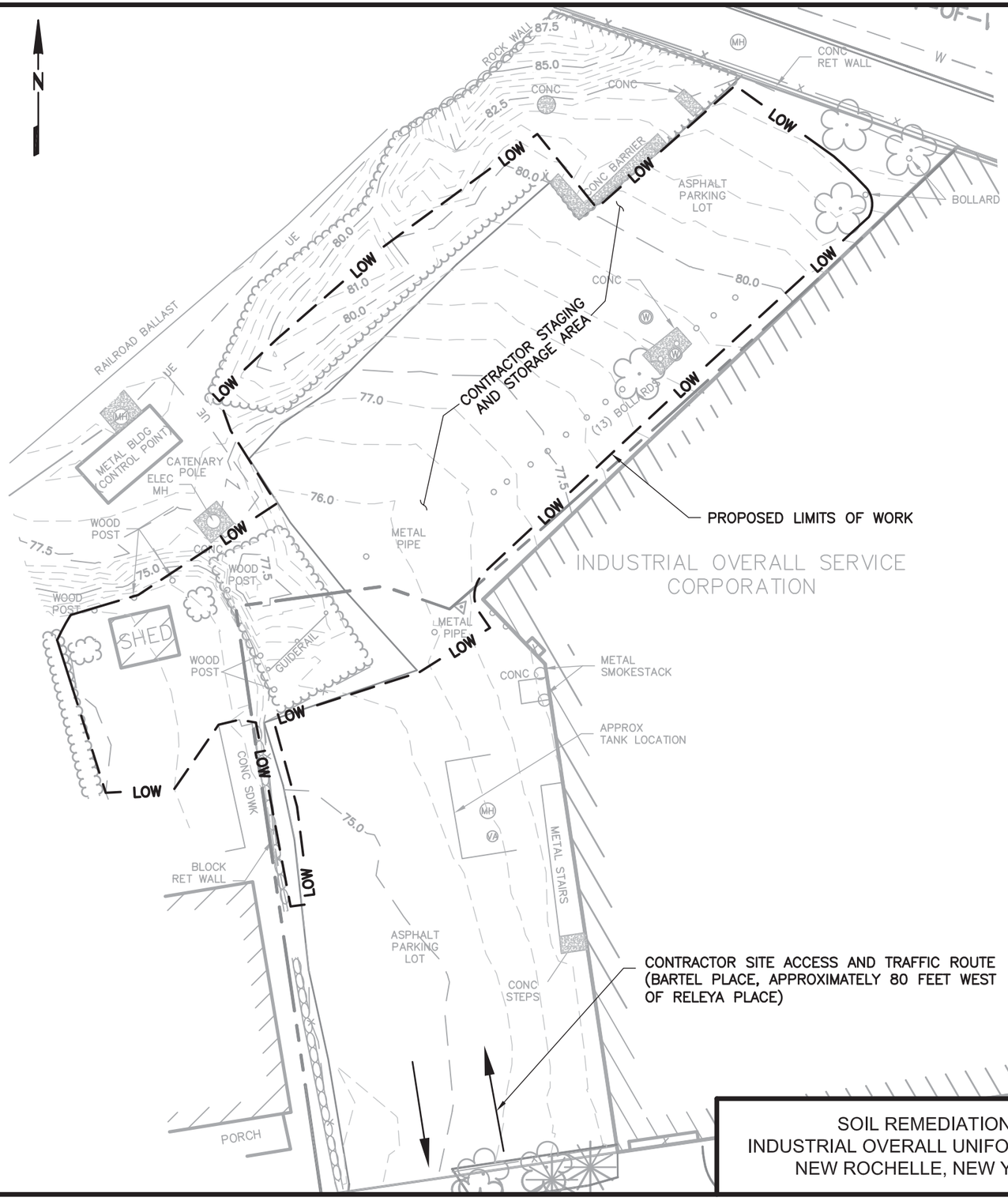
IRM CONSTRUCTION COMPLETION REPORT
INDUSTRIAL OVERALL SERVICES CORPORATION
NEW ROCHELLE, NEW YORK

MACTEC

SITE FEATURES

Project 3612112221 Figure 1.2



GENERAL NOTES:

1. WORK SHALL BE PERFORMED USING LEVEL D PERSONAL PROTECTION EQUIPMENT.
2. EXCAVATED SOIL SHALL BE TEMPORARILY STOCKPILED FOR EASY LOADING FOR OFF-SITE DISPOSAL AS NON-HAZARDOUS SOIL (NYCRR 360). THE ENGINEER WILL COLLECT ADDITIONAL SUPPORTING SAMPLES AND PROVIDE THE ASSOCIATED DATA PRIOR TO SITE MOBILIZATION SO THAT THE CONTRACTOR CAN COMPLETE THE SOIL PROFILE AND DISPOSE OF THE SOIL OFF-SITE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REQUIREMENTS.
3. LOADING OF TRUCKS FOR OFF-SITE TRANSPORTATION AND DISPOSAL SHALL OCCUR NO EARLIER THAN 9:30 AM SO AS NOT TO IMPEDE REGULARLY SCHEDULED DELIVERIES TO THE ACTIVE FACILITY.

LEGEND

- PROPERTY BOUNDARY
- 77.5 — EXISTING CONTOUR
- ASPHALT
- STRUCTURE
- BRUSH/TREE LINE
- MH — MANHOLE (UNKNOWN)
- VA — VALVE (UNKNOWN)
- C — COMMUNICATIONS MANHOLE
- E — ELECTRIC MANHOLE
- GV — GAS VALVE
- NG — GAS LINE
- CB — CATCH BASIN SQUARE
- UTILITY POLE
- S — SANITARY MANHOLE
- WV — WATER VALVE
- TEST HOLE
- CATV — UNDERGROUND CABLE
- SS — SANITARY SEWER
- W — WATER LINE
- MONITORING WELL
- UE — ELECTRIC LINE
- X — CHAINLINK FENCE
- FIRE HYDRANT
- LOW — PROPOSED LIMIT OF WORK

0 10 20

Prepared/Date: MRS 10/16/13
Checked/Date: JDW 10/16/13

SOIL REMEDIATION
INDUSTRIAL OVERALL UNIFORM CORP.
NEW ROCHELLE, NEW YORK

MACTEC

IRM LIMITS OF WORK

Project 3612122232
Figure 2.1

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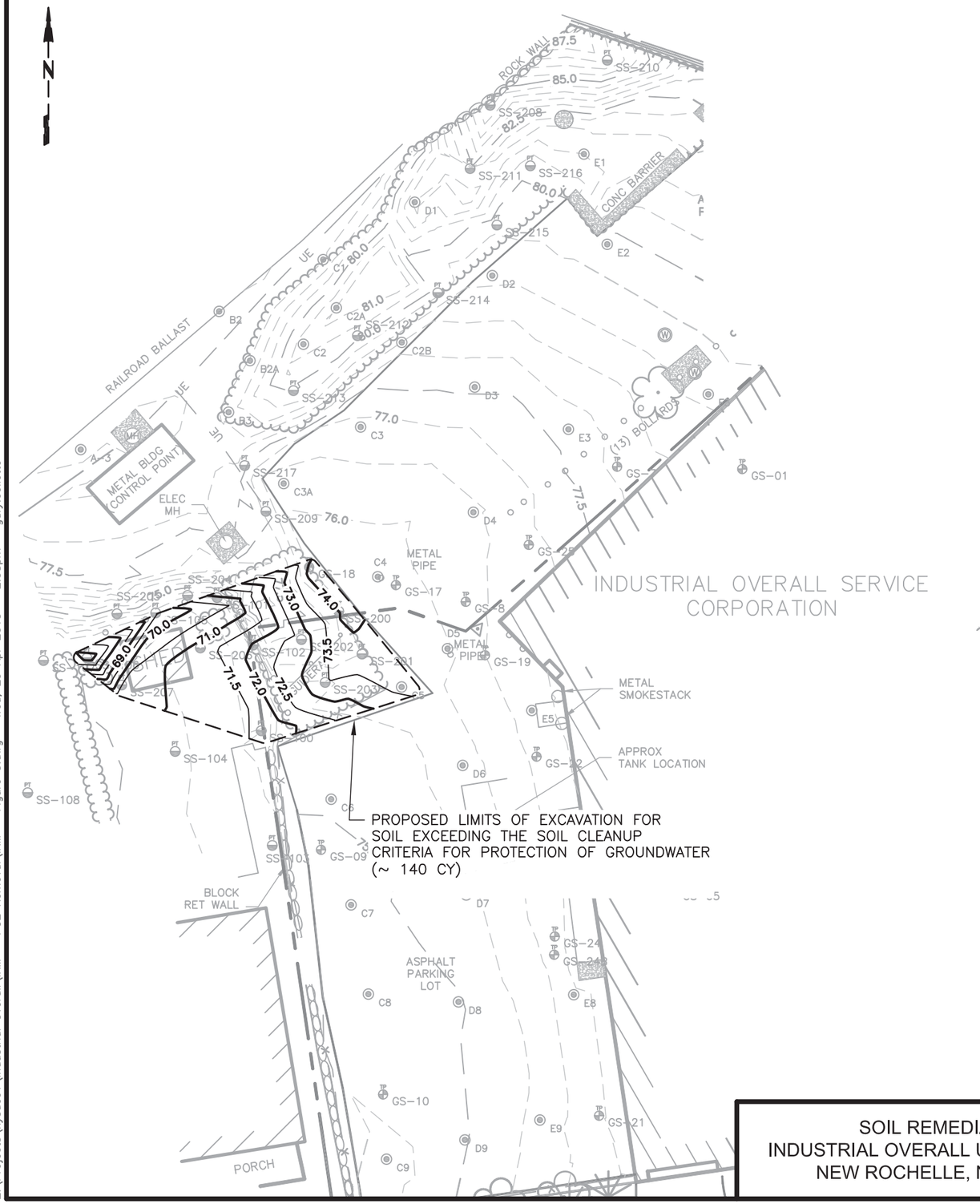


NOTES:

1. THE WORK CONSISTS OF FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, AND INCIDENTALS FOR THE REMOVAL AND DISPOSAL OF CONTAMINATED SOIL, AND BACKFILLING OF THE EXCAVATION. THE WORK CONSISTS OF THE FOLLOWING:
   a. INSTALLATION OF TEMPORARY EROSION AND SEDIMENTATION CONTROL AROUND THE PERIMETER OF THE WORK AREA.
   b. REMOVAL OF ALL VEGETATION AND TREE GROWTH WITHIN THE LIMITS OF THE EXCAVATION.
   c. REMOVAL OF ALL GENERAL TRASH WITHIN THE LIMITS OF THE EXCAVATION.
   d. TEMPORARILY MOVE THE SHED LOCATED IN THE RESIDENTIAL BACKYARD TO ENABLE EXCAVATION BENEATH THE SHED.
   e. EXCAVATION, TEMPORARY STOCKPILING OR CONTAINERIZATION AND OFFSITE DISPOSAL OF CONTAMINATED SOILS.
   f. AREAS OF EXCAVATION FOUR FEET OR GREATER SHALL BE BENCHED. EXCAVATION STABILITY AND SAFETY ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE ENGINEER WILL NEED TO ACCESS THE EXCAVATION TO COLLECT CONFIRMATION SAMPLES PRIOR TO BACKFILLING.
   g. PLACE TEMPORARY CHAIN–LINK FENCING AROUND OPEN EXCAVATION AT THE END OF EACH WORK DAY.
   h. PROTECTION AND MAINTENANCE OF ALL GROUNDWATER MONITORING WELLS, UTILITIES, AND STRUCTURES DURING PERFORMANCE OF THE WORK.
   i. PLACEMENT OF A HIGH VISIBILITY DEMARCATION LAYER ALONG THE BOTTOM OF THE EXCAVATION TO ESTABLISH THE LIMITS OF THE EXCAVATION IN THE EVENT THAT FUTURE EXCAVATION IS PERFORMED AT THE SITE.
   j. PLACEMENT OF CERTIFIED CLEAN BACKFILL AND TOPSOIL, COMPACTED IN 6–INCH LIFTS.
   k. PLACEMENT OF HYDROSEED.
   l. PLACEMENT OF A CURB ALONG THE NORTHWESTERN EDGE OF THE PARKING AREA TO MINIMIZE FUTURE RUNOFF TO THE RESIDENTIAL PROPERTY.
2. EXCAVATE TO THE DEPTHS AND LIMITS SHOWN, UNLESS OTHERWISE DIRECTED BY THE ON–SITE ENGINEER.
3. SOIL RESULTS COMPARED TO VALUES FROM SUBPART 375–6.8(L) RESTRICTED USE SOIL CLEANUP OBJECTIVES FOR THE PROTECTION OF GROUNDWATER (1.3MILLIGRAMS PER KILOGRAMS (mg/kg)).

LEGEND

- PROPERTY BOUNDARY
- EXISTING CONTOUR
- ASPHALT
- STRUCTURE
- BRUSH/TREE LINE
- MANHOLE (UNKNOWN)
- VALVE (UNKNOWN)
- COMMUNICATIONS MANHOLE
- ELECTRIC MANHOLE
- GAS VALVE
- GAS LINE
- CATCH BASIN SQUARE
- UTILITY POLE
- SANITARY MANHOLE
- WATER VALVE
- TEST HOLE
- UNDERGROUND CABLE
- SANITARY SEWER
- WATER LINE
- MONITORING WELL
- ELECTRIC LINE
- CHAINLINK FENCE
- FIRE HYDRANT
- EXCAVATION LIMITS
- EXCAVATION CONTOUR

0 10 20

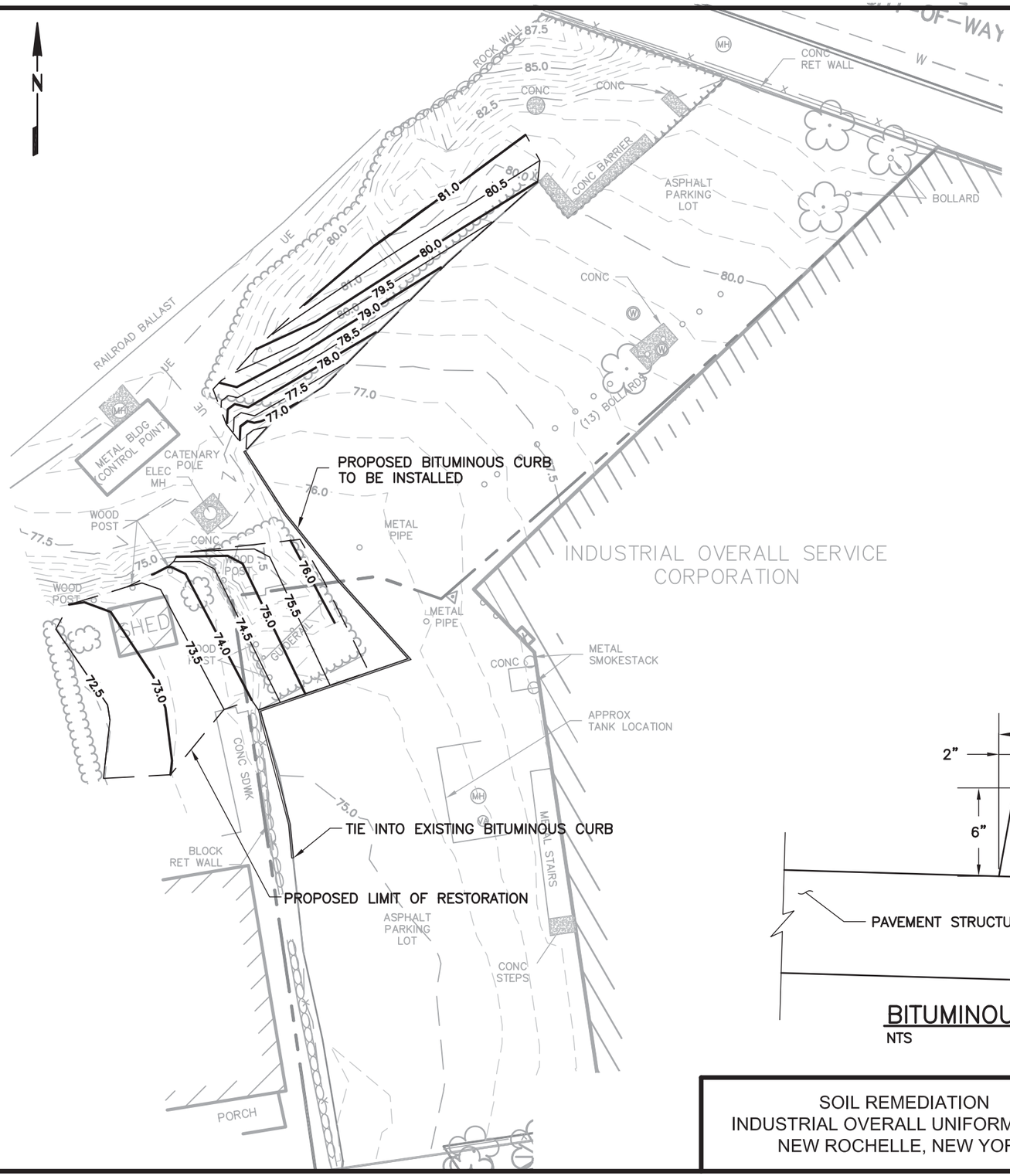
Prepared/Date: MRS 10/16/13
Checked/Date: JDW 10/16/13

SOIL REMEDIATION
INDUSTRIAL OVERALL UNIFORM CORP.
NEW ROCHELLE, NEW YORK

MACTEC

PLANNED EXCAVATION AREA

Project 3612122232
Figure 2.2



NOTES:

1. THE LOCATION TO THE NORTH OF THE PARKING AREA WILL REQUIRE TREE AND BRUSH REMOVAL AND MINIMAL EXCAVATION (LESS THAN 20 CUBIC YARDS) PRIOR TO RE-GRADING AS SHOWN AND PLACEMENT OF TOPSOIL.

2. BACKFILL MATERIAL SHALL BE CERTIFIED CLEAN GENERAL BORROW.

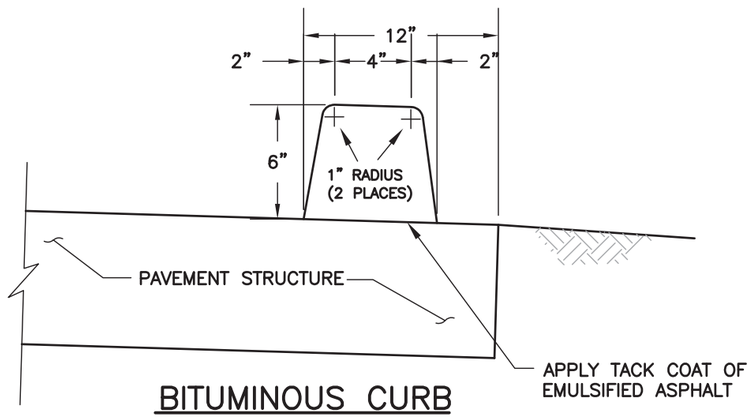
3. THE TOP SIX INCHES OF BACKFILL SHALL BE TOPSOIL CONSISTING OF A SANDY LOAM, LOAM OR SILTY LOAM THAT IS FREE OF STONES OVER 1-1/2 INCHES, AND MEETING THE FOLLOWING:

A. MINIMUM 20 PERCENT AND A MAXIMUM OF 80 PERCENT PASSING THE NO. 200 SIEVE
B. NOT MORE THAN 15 PERCENT CLAY AND NOT MORE THAN 10 PERCENT GRAVEL BY VOLUME
C. THE PH OF THE MATERIAL IS RECOMMENDED TO BE BETWEEN 5.5 AND 7.6 AS GUIDANCE.
D. THE ORGANIC CONTENT SHALL BE NOT LESS THAN 2 PERCENT NOR MORE THAN 6 PERCENT.

3. THE CURBING AT THE EDGE OF THE PARKING AREA SHALL BE A MOUNTABLE HOT MIX ASPHALT CURB AS SHOWN IN THE ASSOCIATED DETAIL.

LEGEND

- PROPERTY BOUNDARY
- 77.5 — EXISTING CONTOUR
- ASPHALT
- STRUCTURE
- BRUSH/TREE LINE
- MH — MANHOLE (UNKNOWN)
- VA — VALVE (UNKNOWN)
- C — COMMUNICATIONS MANHOLE
- E — ELECTRIC MANHOLE
- GV — GAS VALVE
- NG — GAS LINE
- CB — CATCH BASIN SQUARE
- UTILITY POLE
- S — SANITARY MANHOLE
- TEST HOLE
- CATV — UNDERGROUND CABLE
- SS — SANITARY SEWER
- MONITORING WELL
- UE — ELECTRIC LINE
- X — CHAINLINK FENCE
- FIRE HYDRANT
- RESTORATION LIMITS
- 75.0 — PROPSED FINISH GRADE CONTOUR
- PROPOSED CURB TO BE ADDED



BITUMINOUS CURB
NTS

0 10 20

Prepared/Date: MRS 10/16/13
Checked/Date: JDW 10/16/13

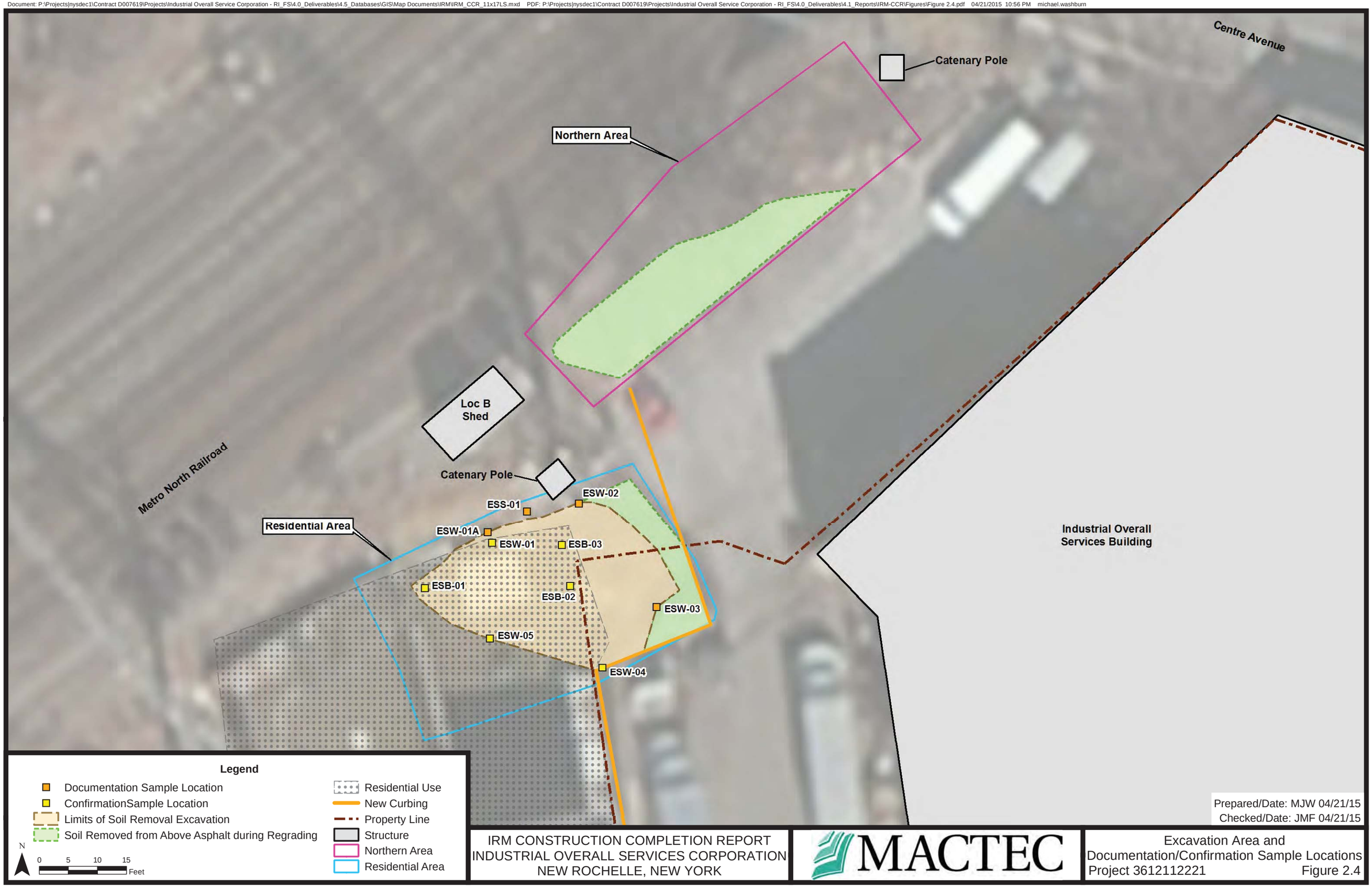
SOIL REMEDIATION
INDUSTRIAL OVERALL UNIFORM CORP.
NEW ROCHELLE, NEW YORK

MACTEC

RESTORATION PLAN

Project 3612122232
Figure 2.3

Z:\Projects\nysdec1\Industrial Overall\IRM - PCE Removal\IRM - Figure 4.dwg Wed, 29 Apr 2015 - 2:35pm gary.collette



Prepared/Date: MJW 04/21/15
Checked/Date: JMF 04/21/15

IRM CONSTRUCTION COMPLETION REPORT
INDUSTRIAL OVERALL SERVICES CORPORATION
NEW ROCHELLE, NEW YORK

MACTEC

Excavation Area and
Documentation/Confirmation Sample Locations
Project 3612112221 Figure 2.4

APPENDIX A

BACKFILL ANALYTICAL RESULTS

APPENDIX A-1

COMMON BORROW RESULTS - TESTAMERICA JOB ID: 480-58247-1

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-58247-1
Client Project/Site: Industrial Overall Service Corp #360109

For:
New York State D.E.C.
625 Broadway
Division of Environmental Remediation
Albany, New York 12233-7014

Attn: Kathryn Eastman

Judy Stone

Authorized for release by:
5/14/2014 6:07:20 PM

Judy Stone, Senior Project Manager
(484)685-0868
judy.stone@testamericainc.com

Table of Contents

Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Industrial Overall Service Corp #360109

TestAmerica Job ID: 480-58247-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client: New York State D.E.C.
Project/Site: Industrial Overall Service Corp #360109

TestAmerica Job ID: 480-58247-1

Job ID: 480-58247-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-58247-1

Receipt
The samples were received on 4/18/2014 2:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.3º C.

Except:

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. All samples on the chain are listed for all tests. Per the client, Terracore #1 thru Terracore #4 are to be analyzed only for VOAs and Composite #1 and Composite #2 are to be analyzed for the rest of the tests (no VOAs). Analysis by 8151A for herbicides was included to report all the DER-10 analytes.

GC/MS VOA
Method 8260C: The large number of analytes included in the continuing calibration verification (CCV) for batch 177567 gives a high probability that one or more analytes will be outside acceptance criteria. As indicated in the reference method, analysis may proceed as long as no more than 20% of the analytes are outside the method-defined %D criteria.

No other analytical or quality issues were noted.

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
Method 7196A: The matrix spike soluble/matrix spike insoluble (MSS/MSI) recoveries for batch 220872 were outside control limits due to sample matrix. The associated laboratory control sample (LCSS/LCSI) recoveries met acceptance criteria.

Method 7196A: The matrix spike soluble/matrix spike insoluble (MSS/MSI) recoveries for batch 221263, which is a re-prep of batch 220872, were outside control limits due to sample matrix. The associated laboratory control sample (LCSS/LCSI) recoveries met acceptance criteria. Both sets of data have been reported.

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client: New York State D.E.C.
Project/Site: Industrial Overall Service Corp #360109

TestAmerica Job ID: 480-58247-1

Client Sample ID: Terracore#1

Lab Sample ID: 480-58247-1
Date Collected: 04/17/14 09:00
Matrix: Solid
Date Received: 04/18/14 02:15
Percent Solids: 93.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	0.29	ug/Kg	☼	04/22/14 22:35	04/23/14 01:52	1
1,1-Dichloroethane	ND		4.0	0.49	ug/Kg	☼	04/22/14 22:35	04/23/14 01:52	1
1,1-Dichloroethene	ND		4.0	0.50	ug/Kg	☼	04/22/14 22:35	04/23/14 01:52	1
1,2,4-Trimethylbenzene	ND		4.0	0.78	ug/Kg	☼	04/22/14 22:35	04/23/14 01:52	1
1,2-Dichlorobenzene	ND		4.0	0.32	ug/Kg	☼	04/22/14 22:35	04/23/14 01:52	1
1,2-Dichloroethane	ND		4.0	0.20	ug/Kg	☼	04/22/14 22:35	04/23/14 01:52	1
1,3,5-Trimethylbenzene	ND		4.0	0.26	ug/Kg	☼	04/22/14 22:35	04/23/14 01:52	1
1,3-Dichlorobenzene	ND		4.0	0.21	ug/Kg	☼	04/22/14 22:35	04/23/14 01:52	1
1,4-Dichlorobenzene	ND		4.0	0.57	ug/Kg	☼	04/22/14 22:35	04/23/14 01:52	1
1,4-Dioxane	ND		81	18	ug/Kg	☼	04/22/14 22:35	04/23/14 01:52	1
2-Butanone (MEK)	ND		20	1.5	ug/Kg	☼	04/22/14 22:35	04/23/14 01:52	1
Acetone	ND		20	3.4	ug/Kg	☼	04/22/14 22:35	04/23/14 01:52	1
Benzene	ND		4.0	0.20	ug/Kg	☼	04/22/14 22:35	04/23/14 01:52	1
Carbon tetrachloride	ND		4.0	0.39	ug/Kg	☼	04/22/14 22:35	04/23/14 01:52	1
Chlorobenzene	ND		4.0	0.53	ug/Kg	☼	04/22/14 22:35	04/23/14 01:52	1
Chloroform	ND		4.0	0.25	ug/Kg	☼	04/22/14 22:35	04/23/14 01:52	1
cis-1,2-Dichloroethene	ND		4.0	0.52	ug/Kg	☼	04/22/14 22:35	04/23/14 01:52	1
Ethylbenzene	ND		4.0	0.28	ug/Kg	☼	04/22/14 22:35	04/23/14 01:52	1
Methyl tert-butyl ether	ND		4.0	0.40	ug/Kg	☼	04/22/14 22:35	04/23/14 01:52	1
Methylene Chloride	ND		4.0	1.9	ug/Kg	☼	04/22/14 22:35	04/23/14 01:52	1
n-Butylbenzene	ND		4.0	0.35	ug/Kg	☼	04/22/14 22:35	04/23/14 01:52	1
N-Propylbenzene	ND		4.0	0.32	ug/Kg	☼	04/22/14 22:35	04/23/14 01:52	1
sec-Butylbenzene	ND		4.0	0.35	ug/Kg	☼	04/22/14 22:35	04/23/14 01:52	1
Tetrachloroethene	ND		4.0	0.54	ug/Kg	☼	04/22/14 22:35	04/23/14 01:52	1
Toluene	ND		4.0	0.31	ug/Kg	☼	04/22/14 22:35	04/23/14 01:52	1
trans-1,2-Dichloroethene	ND		4.0	0.42	ug/Kg	☼	04/22/14 22:35	04/23/14 01:52	1
Trichloroethene	ND		4.0	0.89	ug/Kg	☼	04/22/14 22:35	04/23/14 01:52	1
Vinyl chloride	ND		4.0	0.49	ug/Kg	☼	04/22/14 22:35	04/23/14 01:52	1
Xylenes, Total	ND		8.1	0.68	ug/Kg	☼	04/22/14 22:35	04/23/14 01:52	1
tert-Butylbenzene	ND		4.0	0.42	ug/Kg	☼	04/22/14 22:35	04/23/14 01:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*64 - 126*	*04/22/14 22:35*	*04/23/14 01:52*	*1*
4-Bromofluorobenzene (Surr)	*104*		*72 - 126*	*04/22/14 22:35*	*04/23/14 01:52*	*1*
Toluene-d8 (Surr)	*105*		*71 - 125*	*04/22/14 22:35*	*04/23/14 01:52*	*1*
Dibromofluoromethane (Surr)	*104*		*60 - 140*	*04/22/14 22:35*	*04/23/14 01:52*	*1*

Client Sample ID: Terracore#2

Lab Sample ID: 480-58247-2
Date Collected: 04/17/14 09:15
Matrix: Solid
Date Received: 04/18/14 02:15
Percent Solids: 93.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.7	0.34	ug/Kg	☼	04/22/14 22:35	04/23/14 02:18	1
1,1-Dichloroethane	ND		4.7	0.58	ug/Kg	☼	04/22/14 22:35	04/23/14 02:18	1
1,1-Dichloroethene	ND		4.7	0.58	ug/Kg	☼	04/22/14 22:35	04/23/14 02:18	1
1,2,4-Trimethylbenzene	ND		4.7	0.91	ug/Kg	☼	04/22/14 22:35	04/23/14 02:18	1
1,2-Dichlorobenzene	ND		4.7	0.37	ug/Kg	☼	04/22/14 22:35	04/23/14 02:18	1
1,2-Dichloroethane	ND		4.7	0.24	ug/Kg	☼	04/22/14 22:35	04/23/14 02:18	1
1,3,5-Trimethylbenzene	ND		4.7	0.30	ug/Kg	☼	04/22/14 22:35	04/23/14 02:18	1

Client Sample ID: Terracore#2

Lab Sample ID: 480-58247-2
Date Collected: 04/17/14 09:15
Matrix: Solid
Date Received: 04/18/14 02:15
Percent Solids: 93.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		4.7	0.24	ug/Kg	☼	04/22/14 22:35	04/23/14 02:18	1
1,4-Dichlorobenzene	ND		4.7	0.66	ug/Kg	☼	04/22/14 22:35	04/23/14 02:18	1
1,4-Dioxane	ND		94	21	ug/Kg	☼	04/22/14 22:35	04/23/14 02:18	1
2-Butanone (MEK)	ND		24	1.7	ug/Kg	☼	04/22/14 22:35	04/23/14 02:18	1
Acetone	ND		24	4.0	ug/Kg	☼	04/22/14 22:35	04/23/14 02:18	1
Benzene	ND		4.7	0.23	ug/Kg	☼	04/22/14 22:35	04/23/14 02:18	1
Carbon tetrachloride	ND		4.7	0.46	ug/Kg	☼	04/22/14 22:35	04/23/14 02:18	1
Chlorobenzene	ND		4.7	0.62	ug/Kg	☼	04/22/14 22:35	04/23/14 02:18	1
Chloroform	ND		4.7	0.29	ug/Kg	☼	04/22/14 22:35	04/23/14 02:18	1
cis-1,2-Dichloroethene	ND		4.7	0.60	ug/Kg	☼	04/22/14 22:35	04/23/14 02:18	1
Ethylbenzene	ND		4.7	0.33	ug/Kg	☼	04/22/14 22:35	04/23/14 02:18	1
Methyl tert-butyl ether	ND		4.7	0.46	ug/Kg	☼	04/22/14 22:35	04/23/14 02:18	1
Methylene Chloride	ND		4.7	2.2	ug/Kg	☼	04/22/14 22:35	04/23/14 02:18	1
n-Butylbenzene	ND		4.7	0.41	ug/Kg	☼	04/22/14 22:35	04/23/14 02:18	1
N-Propylbenzene	ND		4.7	0.38	ug/Kg	☼	04/22/14 22:35	04/23/14 02:18	1
sec-Butylbenzene	ND		4.7	0.41	ug/Kg	☼	04/22/14 22:35	04/23/14 02:18	1
Tetrachloroethene	**0.73**	**J**	4.7	0.63	ug/Kg	☼	04/22/14 22:35	04/23/14 02:18	1
Toluene	ND		4.7	0.36	ug/Kg	☼	04/22/14 22:35	04/23/14 02:18	1
trans-1,2-Dichloroethene	ND		4.7	0.49	ug/Kg	☼	04/22/14 22:35	04/23/14 02:18	1
Trichloroethene	ND		4.7	1.0	ug/Kg	☼	04/22/14 22:35	04/23/14 02:18	1
Vinyl chloride	ND		4.7	0.58	ug/Kg	☼	04/22/14 22:35	04/23/14 02:18	1
Xylenes, Total	ND		9.4	0.79	ug/Kg	☼	04/22/14 22:35	04/23/14 02:18	1
tert-Butylbenzene	ND		4.7	0.49	ug/Kg	☼	04/22/14 22:35	04/23/14 02:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*64 - 126*	*04/22/14 22:35*	*04/23/14 02:18*	*1*
4-Bromofluorobenzene (Surr)	*104*		*72 - 126*	*04/22/14 22:35*	*04/23/14 02:18*	*1*
Toluene-d8 (Surr)	*104*		*71 - 125*	*04/22/14 22:35*	*04/23/14 02:18*	*1*
Dibromofluoromethane (Surr)	*104*		*60 - 140*	*04/22/14 22:35*	*04/23/14 02:18*	*1*

Client Sample ID: Terracore#3

Lab Sample ID: 480-58247-3
Date Collected: 04/17/14 09:30
Matrix: Solid
Date Received: 04/18/14 02:15
Percent Solids: 93.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.3	0.31	ug/Kg	☼	04/22/14 22:35	04/23/14 02:44	1
1,1-Dichloroethane	ND		4.3	0.53	ug/Kg	☼	04/22/14 22:35	04/23/14 02:44	1
1,1-Dichloroethene	ND		4.3	0.53	ug/Kg	☼	04/22/14 22:35	04/23/14 02:44	1
1,2,4-Trimethylbenzene	ND		4.3	0.83	ug/Kg	☼	04/22/14 22:35	04/23/14 02:44	1
1,2-Dichlorobenzene	ND		4.3	0.34	ug/Kg	☼	04/22/14 22:35	04/23/14 02:44	1
1,2-Dichloroethane	ND		4.3	0.22	ug/Kg	☼	04/22/14 22:35	04/23/14 02:44	1
1,3,5-Trimethylbenzene	ND		4.3	0.28	ug/Kg	☼	04/22/14 22:35	04/23/14 02:44	1
1,3-Dichlorobenzene	ND		4.3	0.22	ug/Kg	☼	04/22/14 22:35	04/23/14 02:44	1
1,4-Dichlorobenzene	ND		4.3	0.61	ug/Kg	☼	04/22/14 22:35	04/23/14 02:44	1
1,4-Dioxane	ND		87	19	ug/Kg	☼	04/22/14 22:35	04/23/14 02:44	1
2-Butanone (MEK)	ND		22	1.6	ug/Kg	☼	04/22/14 22:35	04/23/14 02:44	1
Acetone	ND		22	3.6	ug/Kg	☼	04/22/14 22:35	04/23/14 02:44	1
Benzene	ND		4.3	0.21	ug/Kg	☼	04/22/14 22:35	04/23/14 02:44	1
Carbon tetrachloride	ND		4.3	0.42	ug/Kg	☼	04/22/14 22:35	04/23/14 02:44	1

Client: New York State D.E.C.
Project/Site: Industrial Overall Service Corp #360109

TestAmerica Job ID: 480-58247-1

Client Sample ID: Terracore#3

Lab Sample ID: 480-58247-3
Date Collected: 04/17/14 09:30
Matrix: Solid
Date Received: 04/18/14 02:15
Percent Solids: 93.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		4.3	0.57	ug/Kg	☼	04/22/14 22:35	04/23/14 02:44	1
Chloroform	ND		4.3	0.27	ug/Kg	☼	04/22/14 22:35	04/23/14 02:44	1
cis-1,2-Dichloroethene	ND		4.3	0.55	ug/Kg	☼	04/22/14 22:35	04/23/14 02:44	1
Ethylbenzene	ND		4.3	0.30	ug/Kg	☼	04/22/14 22:35	04/23/14 02:44	1
Methyl tert-butyl ether	ND		4.3	0.43	ug/Kg	☼	04/22/14 22:35	04/23/14 02:44	1
Methylene Chloride	ND		4.3	2.0	ug/Kg	☼	04/22/14 22:35	04/23/14 02:44	1
n-Butylbenzene	ND		4.3	0.38	ug/Kg	☼	04/22/14 22:35	04/23/14 02:44	1
N-Propylbenzene	ND		4.3	0.35	ug/Kg	☼	04/22/14 22:35	04/23/14 02:44	1
sec-Butylbenzene	ND		4.3	0.38	ug/Kg	☼	04/22/14 22:35	04/23/14 02:44	1
Tetrachloroethene	ND		4.3	0.58	ug/Kg	☼	04/22/14 22:35	04/23/14 02:44	1
Toluene	ND		4.3	0.33	ug/Kg	☼	04/22/14 22:35	04/23/14 02:44	1
trans-1,2-Dichloroethene	ND		4.3	0.45	ug/Kg	☼	04/22/14 22:35	04/23/14 02:44	1
Trichloroethene	ND		4.3	0.95	ug/Kg	☼	04/22/14 22:35	04/23/14 02:44	1
Vinyl chloride	ND		4.3	0.53	ug/Kg	☼	04/22/14 22:35	04/23/14 02:44	1
Xylenes, Total	ND		8.7	0.73	ug/Kg	☼	04/22/14 22:35	04/23/14 02:44	1
tert-Butylbenzene	ND		4.3	0.45	ug/Kg	☼	04/22/14 22:35	04/23/14 02:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*64 - 126*	*04/22/14 22:35*	*04/23/14 02:44*	*1*
4-Bromofluorobenzene (Surr)	*105*		*72 - 126*	*04/22/14 22:35*	*04/23/14 02:44*	*1*
Toluene-d8 (Surr)	*105*		*71 - 125*	*04/22/14 22:35*	*04/23/14 02:44*	*1*
Dibromofluoromethane (Surr)	*106*		*60 - 140*	*04/22/14 22:35*	*04/23/14 02:44*	*1*

Client Sample ID: Terracore#4

Lab Sample ID: 480-58247-4
Date Collected: 04/17/14 09:45
Matrix: Solid
Date Received: 04/18/14 02:15
Percent Solids: 93.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.3	0.31	ug/Kg	☼	04/22/14 22:35	04/23/14 03:09	1
1,1-Dichloroethane	ND		4.3	0.52	ug/Kg	☼	04/22/14 22:35	04/23/14 03:09	1
1,1-Dichloroethene	ND		4.3	0.53	ug/Kg	☼	04/22/14 22:35	04/23/14 03:09	1
1,2,4-Trimethylbenzene	ND		4.3	0.83	ug/Kg	☼	04/22/14 22:35	04/23/14 03:09	1
1,2-Dichlorobenzene	ND		4.3	0.34	ug/Kg	☼	04/22/14 22:35	04/23/14 03:09	1
1,2-Dichloroethane	ND		4.3	0.22	ug/Kg	☼	04/22/14 22:35	04/23/14 03:09	1
1,3,5-Trimethylbenzene	ND		4.3	0.28	ug/Kg	☼	04/22/14 22:35	04/23/14 03:09	1
1,3-Dichlorobenzene	ND		4.3	0.22	ug/Kg	☼	04/22/14 22:35	04/23/14 03:09	1
1,4-Dichlorobenzene	ND		4.3	0.60	ug/Kg	☼	04/22/14 22:35	04/23/14 03:09	1
1,4-Dioxane	ND		86	19	ug/Kg	☼	04/22/14 22:35	04/23/14 03:09	1
2-Butanone (MEK)	ND		21	1.6	ug/Kg	☼	04/22/14 22:35	04/23/14 03:09	1
Acetone	ND		21	3.6	ug/Kg	☼	04/22/14 22:35	04/23/14 03:09	1
Benzene	ND		4.3	0.21	ug/Kg	☼	04/22/14 22:35	04/23/14 03:09	1
Carbon tetrachloride	ND		4.3	0.42	ug/Kg	☼	04/22/14 22:35	04/23/14 03:09	1
Chlorobenzene	ND		4.3	0.57	ug/Kg	☼	04/22/14 22:35	04/23/14 03:09	1
Chloroform	ND		4.3	0.27	ug/Kg	☼	04/22/14 22:35	04/23/14 03:09	1
cis-1,2-Dichloroethene	ND		4.3	0.55	ug/Kg	☼	04/22/14 22:35	04/23/14 03:09	1
Ethylbenzene	ND		4.3	0.30	ug/Kg	☼	04/22/14 22:35	04/23/14 03:09	1
Methyl tert-butyl ether	ND		4.3	0.42	ug/Kg	☼	04/22/14 22:35	04/23/14 03:09	1
Methylene Chloride	ND		4.3	2.0	ug/Kg	☼	04/22/14 22:35	04/23/14 03:09	1
n-Butylbenzene	ND		4.3	0.37	ug/Kg	☼	04/22/14 22:35	04/23/14 03:09	1

Client Sample ID: Terracore#4

Lab Sample ID: 480-58247-4
Date Collected: 04/17/14 09:45
Matrix: Solid
Date Received: 04/18/14 02:15
Percent Solids: 93.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		4.3	0.34	ug/Kg	☼	04/22/14 22:35	04/23/14 03:09	1
sec-Butylbenzene	ND		4.3	0.37	ug/Kg	☼	04/22/14 22:35	04/23/14 03:09	1
Tetrachloroethene	**0.72**	**J**	4.3	0.58	ug/Kg	☼	04/22/14 22:35	04/23/14 03:09	1
Toluene	ND		4.3	0.32	ug/Kg	☼	04/22/14 22:35	04/23/14 03:09	1
trans-1,2-Dichloroethene	ND		4.3	0.44	ug/Kg	☼	04/22/14 22:35	04/23/14 03:09	1
Trichloroethene	ND		4.3	0.95	ug/Kg	☼	04/22/14 22:35	04/23/14 03:09	1
Vinyl chloride	ND		4.3	0.52	ug/Kg	☼	04/22/14 22:35	04/23/14 03:09	1
Xylenes, Total	ND		8.6	0.72	ug/Kg	☼	04/22/14 22:35	04/23/14 03:09	1
tert-Butylbenzene	ND		4.3	0.45	ug/Kg	☼	04/22/14 22:35	04/23/14 03:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*64 - 126*	*04/22/14 22:35*	*04/23/14 03:09*	*1*
4-Bromofluorobenzene (Surr)	*107*		*72 - 126*	*04/22/14 22:35*	*04/23/14 03:09*	*1*
Toluene-d8 (Surr)	*106*		*71 - 125*	*04/22/14 22:35*	*04/23/14 03:09*	*1*
Dibromofluoromethane (Surr)	*106*		*60 - 140*	*04/22/14 22:35*	*04/23/14 03:09*	*1*

Client Sample ID: Composite#1

Lab Sample ID: 480-58247-5
Date Collected: 04/17/14 10:00
Matrix: Solid
Date Received: 04/18/14 02:15
Percent Solids: 92.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		180	5.5	ug/Kg	☼	04/23/14 08:38	04/25/14 16:37	1
4-Methylphenol	ND		350	10	ug/Kg	☼	04/23/14 08:38	04/25/14 16:37	1
Acenaphthene	**10**	**J**	180	2.1	ug/Kg	☼	04/23/14 08:38	04/25/14 16:37	1
Acenaphthylene	ND		180	1.5	ug/Kg	☼	04/23/14 08:38	04/25/14 16:37	1
Anthracene	**20**	**J**	180	4.6	ug/Kg	☼	04/23/14 08:38	04/25/14 16:37	1
Benzo(a)anthracene	**53**	**J**	180	3.1	ug/Kg	☼	04/23/14 08:38	04/25/14 16:37	1
Benzo(a)pyrene	**45**	**J**	180	4.3	ug/Kg	☼	04/23/14 08:38	04/25/14 16:37	1
Benzo(b)fluoranthene	**61**	**J**	180	3.5	ug/Kg	☼	04/23/14 08:38	04/25/14 16:37	1
Benzo(g,h,i)perylene	**32**	**J**	180	2.1	ug/Kg	☼	04/23/14 08:38	04/25/14 16:37	1
Benzo(k)fluoranthene	ND		180	2.0	ug/Kg	☼	04/23/14 08:38	04/25/14 16:37	1
Chrysene	**62**	**J**	180	1.8	ug/Kg	☼	04/23/14 08:38	04/25/14 16:37	1
Dibenz(a,h)anthracene	**11**	**J**	180	2.1	ug/Kg	☼	04/23/14 08:38	04/25/14 16:37	1
Fluoranthene	**120**	**J**	180	2.6	ug/Kg	☼	04/23/14 08:38	04/25/14 16:37	1
Fluorene	**18**	**J**	180	4.1	ug/Kg	☼	04/23/14 08:38	04/25/14 16:37	1
Hexachlorobenzene	ND		180	8.9	ug/Kg	☼	04/23/14 08:38	04/25/14 16:37	1
Indeno(1,2,3-cd)pyrene	**28**	**J**	180	5.0	ug/Kg	☼	04/23/14 08:38	04/25/14 16:37	1
Naphthalene	ND		180	3.0	ug/Kg	☼	04/23/14 08:38	04/25/14 16:37	1
Pentachlorophenol	ND		350	61	ug/Kg	☼	04/23/14 08:38	04/25/14 16:37	1
Phenanthrene	**97**	**J**	180	3.8	ug/Kg	☼	04/23/14 08:38	04/25/14 16:37	1
Phenol	ND		180	19	ug/Kg	☼	04/23/14 08:38	04/25/14 16:37	1
Pyrene	**110**	**J**	180	1.2	ug/Kg	☼	04/23/14 08:38	04/25/14 16:37	1
3 & 4 Methylphenol	ND		350	10	ug/Kg	☼	04/23/14 08:38	04/25/14 16:37	1
Dibenzofuran	ND		180	1.9	ug/Kg	☼	04/23/14 08:38	04/25/14 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*109*		*39 - 146*	*04/23/14 08:38*	*04/25/14 16:37*	*1*
2-Fluorobiphenyl	*105*		*37 - 120*	*04/23/14 08:38*	*04/25/14 16:37*	*1*
2-Fluorophenol	*93*		*18 - 120*	*04/23/14 08:38*	*04/25/14 16:37*	*1*

Client Sample ID: Composite#1
Date Collected: 04/17/14 10:00
Date Received: 04/18/14 02:15

Lab Sample ID: 480-58247-5
Matrix: Solid
Percent Solids: 92.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	*96*		*34 - 132*	*04/23/14 08:38*	*04/25/14 16:37*	*1*
Phenol-d5	*100*		*11 - 120*	*04/23/14 08:38*	*04/25/14 16:37*	*1*
p-Terphenyl-d14	*113*		*65 - 153*	*04/23/14 08:38*	*04/25/14 16:37*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	**1.3**	**J**	1.8	0.35	ug/Kg	☼	04/23/14 15:22	04/24/14 14:47	1
4,4'-DDE	**0.89**	**J**	1.8	0.37	ug/Kg	☼	04/23/14 15:22	04/24/14 14:47	1
4,4'-DDT	**33**		1.8	0.42	ug/Kg	☼	04/23/14 15:22	04/24/14 14:47	1
Aldrin	ND		1.8	0.44	ug/Kg	☼	04/23/14 15:22	04/24/14 14:47	1
alpha-BHC	**0.53**	**J**	1.8	0.32	ug/Kg	☼	04/23/14 15:22	04/24/14 14:47	1
alpha-Chlordane	ND		1.8	0.88	ug/Kg	☼	04/23/14 15:22	04/24/14 14:47	1
beta-BHC	ND		1.8	0.32	ug/Kg	☼	04/23/14 15:22	04/24/14 14:47	1
delta-BHC	ND		1.8	0.33	ug/Kg	☼	04/23/14 15:22	04/24/14 14:47	1
Dieldrin	ND		1.8	0.43	ug/Kg	☼	04/23/14 15:22	04/24/14 14:47	1
Endosulfan I	ND		1.8	0.34	ug/Kg	☼	04/23/14 15:22	04/24/14 14:47	1
Endosulfan II	ND		1.8	0.32	ug/Kg	☼	04/23/14 15:22	04/24/14 14:47	1
Endosulfan sulfate	ND		1.8	0.33	ug/Kg	☼	04/23/14 15:22	04/24/14 14:47	1
Endrin	ND		1.8	0.35	ug/Kg	☼	04/23/14 15:22	04/24/14 14:47	1
Endrin aldehyde	ND		1.8	0.45	ug/Kg	☼	04/23/14 15:22	04/24/14 14:47	1
gamma-BHC (Lindane)	ND		1.8	0.33	ug/Kg	☼	04/23/14 15:22	04/24/14 14:47	1
Heptachlor	ND		1.8	0.38	ug/Kg	☼	04/23/14 15:22	04/24/14 14:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*94*		*32 - 136*	*04/23/14 15:22*	*04/24/14 14:47*	*1*
Tetrachloro-m-xylene	*81*		*30 - 124*	*04/23/14 15:22*	*04/24/14 14:47*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.26	0.050	mg/Kg	☼	04/21/14 11:26	04/22/14 18:26	1
PCB-1221	ND		0.26	0.050	mg/Kg	☼	04/21/14 11:26	04/22/14 18:26	1
PCB-1232	ND		0.26	0.050	mg/Kg	☼	04/21/14 11:26	04/22/14 18:26	1
PCB-1242	ND		0.26	0.050	mg/Kg	☼	04/21/14 11:26	04/22/14 18:26	1
PCB-1248	ND		0.26	0.050	mg/Kg	☼	04/21/14 11:26	04/22/14 18:26	1
PCB-1254	ND		0.26	0.12	mg/Kg	☼	04/21/14 11:26	04/22/14 18:26	1
PCB-1260	ND		0.26	0.12	mg/Kg	☼	04/21/14 11:26	04/22/14 18:26	1
Polychlorinated biphenyls, Total	ND		0.26	0.12	mg/Kg	☼	04/21/14 11:26	04/22/14 18:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*108*		*46 - 175*	*04/21/14 11:26*	*04/22/14 18:26*	*1*
DCB Decachlorobiphenyl	*117*		*47 - 176*	*04/21/14 11:26*	*04/22/14 18:26*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		18	6.3	ug/Kg	☼	04/24/14 07:58	04/26/14 15:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	*55*		*39 - 120*	*04/24/14 07:58*	*04/26/14 15:39*	*1*

Client Sample ID: Composite#1

Lab Sample ID: 480-58247-5
Date Collected: 04/17/14 10:00
Matrix: Solid
Date Received: 04/18/14 02:15
Percent Solids: 92.9

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.9**		3.0	0.82	mg/Kg	☼	04/26/14 21:07	04/28/14 17:19	4
Barium	**26.0**	**J**	40.2	1.7	mg/Kg	☼	04/26/14 21:07	04/28/14 17:19	4
Beryllium	**0.35**	**J**	0.40	0.27	mg/Kg	☼	04/26/14 21:07	04/28/14 17:19	4
Cadmium	ND		0.80	0.28	mg/Kg	☼	04/26/14 21:07	04/28/14 17:19	4
Chromium	**12.7**		2.0	0.81	mg/Kg	☼	04/26/14 21:07	04/28/14 17:19	4
Copper	**13.8**		5.0	1.8	mg/Kg	☼	04/26/14 21:07	04/28/14 17:19	4
Lead	**7.7**		2.0	0.83	mg/Kg	☼	04/26/14 21:07	04/28/14 17:19	4
Manganese	**483**		3.0	0.87	mg/Kg	☼	04/26/14 21:07	04/28/14 17:19	4
Nickel	**21.6**		8.0	1.8	mg/Kg	☼	04/26/14 21:07	04/28/14 17:19	4
Selenium	ND		4.0	1.1	mg/Kg	☼	04/26/14 21:07	04/28/14 17:19	4
Silver	ND		2.0	0.39	mg/Kg	☼	04/26/14 21:07	04/28/14 17:19	4
Zinc	**53.2**		6.0	1.7	mg/Kg	☼	04/26/14 21:07	04/28/14 17:19	4

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.032**		0.020	0.0080	mg/Kg	☼	04/23/14 11:55	04/23/14 13:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		2.1	0.53	mg/Kg	☼	04/25/14 11:20	04/27/14 12:06	1
Cr (VI)	ND		2.1	0.53	mg/Kg	☼	04/28/14 11:05	04/28/14 18:50	1
Cyanide, Total	ND		0.99	0.48	mg/Kg	☼	04/29/14 10:11	04/29/14 13:59	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III)	**12.7**		2.0	2.0	mg/Kg			04/30/14 12:34	1

Client Sample ID: Composite#2

Lab Sample ID: 480-58247-6
Date Collected: 04/17/14 10:15
Matrix: Solid
Date Received: 04/18/14 02:15
Percent Solids: 96.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		170	5.3	ug/Kg	☼	04/23/14 08:38	04/25/14 17:02	1
4-Methylphenol	ND		340	9.6	ug/Kg	☼	04/23/14 08:38	04/25/14 17:02	1
Acenaphthene	**4.8**	**J**	170	2.0	ug/Kg	☼	04/23/14 08:38	04/25/14 17:02	1
Acenaphthylene	**11**	**J**	170	1.4	ug/Kg	☼	04/23/14 08:38	04/25/14 17:02	1
Anthracene	**20**	**J**	170	4.4	ug/Kg	☼	04/23/14 08:38	04/25/14 17:02	1
Benzo(a)anthracene	**110**	**J**	170	3.0	ug/Kg	☼	04/23/14 08:38	04/25/14 17:02	1
Benzo(a)pyrene	**91**	**J**	170	4.2	ug/Kg	☼	04/23/14 08:38	04/25/14 17:02	1
Benzo(b)fluoranthene	**110**	**J**	170	3.4	ug/Kg	☼	04/23/14 08:38	04/25/14 17:02	1
Benzo(g,h,i)perylene	**48**	**J**	170	2.1	ug/Kg	☼	04/23/14 08:38	04/25/14 17:02	1
Benzo(k)fluoranthene	ND		170	1.9	ug/Kg	☼	04/23/14 08:38	04/25/14 17:02	1
Chrysene	**120**	**J**	170	1.7	ug/Kg	☼	04/23/14 08:38	04/25/14 17:02	1
Dibenz(a,h)anthracene	**14**	**J**	170	2.0	ug/Kg	☼	04/23/14 08:38	04/25/14 17:02	1
Fluoranthene	**180**		170	2.5	ug/Kg	☼	04/23/14 08:38	04/25/14 17:02	1
Fluorene	**12**	**J**	170	4.0	ug/Kg	☼	04/23/14 08:38	04/25/14 17:02	1
Hexachlorobenzene	ND		170	8.6	ug/Kg	☼	04/23/14 08:38	04/25/14 17:02	1
Indeno(1,2,3-cd)pyrene	**43**	**J**	170	4.8	ug/Kg	☼	04/23/14 08:38	04/25/14 17:02	1
Naphthalene	ND		170	2.9	ug/Kg	☼	04/23/14 08:38	04/25/14 17:02	1
Pentachlorophenol	ND		340	59	ug/Kg	☼	04/23/14 08:38	04/25/14 17:02	1
Phenanthrene	**110**	**J**	170	3.6	ug/Kg	☼	04/23/14 08:38	04/25/14 17:02	1

Client Sample ID: Composite#2
Date Collected: 04/17/14 10:15
Date Received: 04/18/14 02:15

Lab Sample ID: 480-58247-6
Matrix: Solid
Percent Solids: 96.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		170	18	ug/Kg	☼	04/23/14 08:38	04/25/14 17:02	1
Pyrene	**160**	**J**	170	1.1	ug/Kg	☼	04/23/14 08:38	04/25/14 17:02	1
3 & 4 Methylphenol	ND		340	9.6	ug/Kg	☼	04/23/14 08:38	04/25/14 17:02	1
Dibenzofuran	**7.7**	**J**	170	1.8	ug/Kg	☼	04/23/14 08:38	04/25/14 17:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*112*		*39 - 146*	*04/23/14 08:38*	*04/25/14 17:02*	*1*
2-Fluorobiphenyl	*107*		*37 - 120*	*04/23/14 08:38*	*04/25/14 17:02*	*1*
2-Fluorophenol	*98*		*18 - 120*	*04/23/14 08:38*	*04/25/14 17:02*	*1*
Nitrobenzene-d5	*98*		*34 - 132*	*04/23/14 08:38*	*04/25/14 17:02*	*1*
Phenol-d5	*102*		*11 - 120*	*04/23/14 08:38*	*04/25/14 17:02*	*1*
p-Terphenyl-d14	*109*		*65 - 153*	*04/23/14 08:38*	*04/25/14 17:02*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	**0.92**	**J**	1.7	0.33	ug/Kg	☼	04/23/14 15:22	04/24/14 15:05	1
4,4'-DDE	**0.78**	**J**	1.7	0.36	ug/Kg	☼	04/23/14 15:22	04/24/14 15:05	1
4,4'-DDT	**1.4**	**J**	1.7	0.40	ug/Kg	☼	04/23/14 15:22	04/24/14 15:05	1
Aldrin	ND		1.7	0.42	ug/Kg	☼	04/23/14 15:22	04/24/14 15:05	1
alpha-BHC	**0.51**	**J**	1.7	0.31	ug/Kg	☼	04/23/14 15:22	04/24/14 15:05	1
alpha-Chlordane	ND		1.7	0.85	ug/Kg	☼	04/23/14 15:22	04/24/14 15:05	1
beta-BHC	ND		1.7	0.31	ug/Kg	☼	04/23/14 15:22	04/24/14 15:05	1
delta-BHC	**0.58**	**J B**	1.7	0.32	ug/Kg	☼	04/23/14 15:22	04/24/14 15:05	1
Dieldrin	ND		1.7	0.41	ug/Kg	☼	04/23/14 15:22	04/24/14 15:05	1
Endosulfan I	ND		1.7	0.33	ug/Kg	☼	04/23/14 15:22	04/24/14 15:05	1
Endosulfan II	ND		1.7	0.31	ug/Kg	☼	04/23/14 15:22	04/24/14 15:05	1
Endosulfan sulfate	ND		1.7	0.32	ug/Kg	☼	04/23/14 15:22	04/24/14 15:05	1
Endrin	ND		1.7	0.34	ug/Kg	☼	04/23/14 15:22	04/24/14 15:05	1
Endrin aldehyde	ND		1.7	0.44	ug/Kg	☼	04/23/14 15:22	04/24/14 15:05	1
gamma-BHC (Lindane)	ND		1.7	0.31	ug/Kg	☼	04/23/14 15:22	04/24/14 15:05	1
Heptachlor	ND		1.7	0.37	ug/Kg	☼	04/23/14 15:22	04/24/14 15:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*92*		*32 - 136*	*04/23/14 15:22*	*04/24/14 15:05*	*1*
Tetrachloro-m-xylene	*81*		*30 - 124*	*04/23/14 15:22*	*04/24/14 15:05*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.24	0.047	mg/Kg	☼	04/21/14 11:26	04/22/14 18:41	1
PCB-1221	ND		0.24	0.047	mg/Kg	☼	04/21/14 11:26	04/22/14 18:41	1
PCB-1232	ND		0.24	0.047	mg/Kg	☼	04/21/14 11:26	04/22/14 18:41	1
PCB-1242	ND		0.24	0.047	mg/Kg	☼	04/21/14 11:26	04/22/14 18:41	1
PCB-1248	ND		0.24	0.047	mg/Kg	☼	04/21/14 11:26	04/22/14 18:41	1
PCB-1254	ND		0.24	0.11	mg/Kg	☼	04/21/14 11:26	04/22/14 18:41	1
PCB-1260	ND		0.24	0.11	mg/Kg	☼	04/21/14 11:26	04/22/14 18:41	1
Polychlorinated biphenyls, Total	ND		0.24	0.11	mg/Kg	☼	04/21/14 11:26	04/22/14 18:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*106*		*46 - 175*	*04/21/14 11:26*	*04/22/14 18:41*	*1*
DCB Decachlorobiphenyl	*119*		*47 - 176*	*04/21/14 11:26*	*04/22/14 18:41*	*1*

Client: New York State D.E.C.
Project/Site: Industrial Overall Service Corp #360109

TestAmerica Job ID: 480-58247-1

Client Sample ID: Composite#2
Date Collected: 04/17/14 10:15
Date Received: 04/18/14 02:15

Lab Sample ID: 480-58247-6
Matrix: Solid
Percent Solids: 96.2

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		17	6.2	ug/Kg	☼	04/24/14 07:58	04/26/14 16:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*53*		*39 - 120*	*04/24/14 07:58*	*04/26/14 16:09*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.9**		2.8	0.76	mg/Kg	☼	04/26/14 21:07	04/28/14 17:22	4
Barium	**28.7**	**J**	37.1	1.6	mg/Kg	☼	04/26/14 21:07	04/28/14 17:22	4
Beryllium	**0.35**	**J**	0.37	0.25	mg/Kg	☼	04/26/14 21:07	04/28/14 17:22	4
Cadmium	ND		0.74	0.26	mg/Kg	☼	04/26/14 21:07	04/28/14 17:22	4
Chromium	**13.2**		1.9	0.74	mg/Kg	☼	04/26/14 21:07	04/28/14 17:22	4
Copper	**16.8**		4.6	1.6	mg/Kg	☼	04/26/14 21:07	04/28/14 17:22	4
Lead	**9.0**		1.9	0.76	mg/Kg	☼	04/26/14 21:07	04/28/14 17:22	4
Manganese	**587**		2.8	0.80	mg/Kg	☼	04/26/14 21:07	04/28/14 17:22	4
Nickel	**22.9**		7.4	1.7	mg/Kg	☼	04/26/14 21:07	04/28/14 17:22	4
Selenium	ND		3.7	1.1	mg/Kg	☼	04/26/14 21:07	04/28/14 17:22	4
Silver	ND		1.9	0.36	mg/Kg	☼	04/26/14 21:07	04/28/14 17:22	4
Zinc	**57.8**		5.6	1.6	mg/Kg	☼	04/26/14 21:07	04/28/14 17:22	4

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.022**		0.020	0.0079	mg/Kg	☼	04/23/14 11:55	04/23/14 13:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		2.1	0.51	mg/Kg	☼	04/25/14 11:20	04/27/14 12:06	1
Cr (VI)	ND		2.0	0.50	mg/Kg	☼	04/28/14 11:05	04/28/14 18:50	1
Cyanide, Total	**2.1**		0.96	0.47	mg/Kg	☼	04/29/14 10:11	04/29/14 14:02	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III)	**13.2**		2.0	2.0	mg/Kg			04/30/14 12:34	1

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Industrial Overall Service Corp #360109

TestAmerica Job ID: 480-58247-1

Client Sample ID: Terracore#1

Lab Sample ID: 480-58247-1
Date Collected: 04/17/14 09:00
Matrix: Solid
Date Received: 04/18/14 02:15
Percent Solids: 93.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			177575	04/22/14 22:35	CDC	TAL BUF
Total/NA	Analysis	8260C		1	177567	04/23/14 01:52	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	177574	04/22/14 22:28	CDC	TAL BUF

Client Sample ID: Terracore#2

Lab Sample ID: 480-58247-2
Date Collected: 04/17/14 09:15
Matrix: Solid
Date Received: 04/18/14 02:15
Percent Solids: 93.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			177575	04/22/14 22:35	CDC	TAL BUF
Total/NA	Analysis	8260C		1	177567	04/23/14 02:18	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	177574	04/22/14 22:28	CDC	TAL BUF

Client Sample ID: Terracore#3

Lab Sample ID: 480-58247-3
Date Collected: 04/17/14 09:30
Matrix: Solid
Date Received: 04/18/14 02:15
Percent Solids: 93.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			177575	04/22/14 22:35	CDC	TAL BUF
Total/NA	Analysis	8260C		1	177567	04/23/14 02:44	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	177574	04/22/14 22:28	CDC	TAL BUF

Client Sample ID: Terracore#4

Lab Sample ID: 480-58247-4
Date Collected: 04/17/14 09:45
Matrix: Solid
Date Received: 04/18/14 02:15
Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			177575	04/22/14 22:35	CDC	TAL BUF
Total/NA	Analysis	8260C		1	177567	04/23/14 03:09	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	177574	04/22/14 22:28	CDC	TAL BUF

Client Sample ID: Composite#1

Lab Sample ID: 480-58247-5
Date Collected: 04/17/14 10:00
Matrix: Solid
Date Received: 04/18/14 02:15
Percent Solids: 92.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			177653	04/23/14 08:38	TRG	TAL BUF
Total/NA	Analysis	8270D		1	178252	04/25/14 16:37	HTL	TAL BUF
Total/NA	Prep	3550C			177808	04/23/14 15:22	JRL	TAL BUF
Total/NA	Analysis	8081B		1	177980	04/24/14 14:47	LMW	TAL BUF
Total/NA	Prep	3550C			177189	04/21/14 11:26	CAM	TAL BUF
Total/NA	Analysis	8082A		1	177351	04/22/14 18:26	JMM	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Industrial Overall Service Corp #360109

TestAmerica Job ID: 480-58247-1

Client Sample ID: Composite#1

Lab Sample ID: 480-58247-5

Date Collected: 04/17/14 10:00
Matrix: Solid
Date Received: 04/18/14 02:15
Percent Solids: 92.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			177919	04/24/14 07:58	TRG	TAL BUF
Total/NA	Analysis	8151A		1	178457	04/26/14 15:39	GSR	TAL BUF
Total/NA	Prep	3050B			221096	04/26/14 21:07	EAE	TAL EDI
Total/NA	Analysis	6010C		4	221299	04/28/14 17:19	YZH	TAL EDI
Total/NA	Prep	7471B			177624	04/23/14 11:55	LRK	TAL BUF
Total/NA	Analysis	7471B		1	177797	04/23/14 13:51	LRK	TAL BUF
Total/NA	Analysis	7196A		1	221700	04/30/14 12:34	JMP	TAL EDI
Total/NA	Prep	3060A			220865	04/25/14 11:20	PXP	TAL EDI
Total/NA	Analysis	7196A		1	220872	04/27/14 12:06	PXP	TAL EDI
Total/NA	Prep	3060A			221261	04/28/14 11:05	PXP	TAL EDI
Total/NA	Analysis	7196A		1	221263	04/28/14 18:50	PXP	TAL EDI
Total/NA	Prep	9012B			178896	04/29/14 10:11	MDL	TAL BUF
Total/NA	Analysis	9012B		1	178981	04/29/14 13:59	JTS	TAL BUF
Total/NA	Analysis	Moisture		1	176898	04/18/14 21:49	CMK	TAL BUF

Client Sample ID: Composite#2

Lab Sample ID: 480-58247-6

Date Collected: 04/17/14 10:15
Matrix: Solid
Date Received: 04/18/14 02:15
Percent Solids: 96.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			177653	04/23/14 08:38	TRG	TAL BUF
Total/NA	Analysis	8270D		1	178252	04/25/14 17:02	HTL	TAL BUF
Total/NA	Prep	3550C			177808	04/23/14 15:22	JRL	TAL BUF
Total/NA	Analysis	8081B		1	177980	04/24/14 15:05	LMW	TAL BUF
Total/NA	Prep	3550C			177189	04/21/14 11:26	CAM	TAL BUF
Total/NA	Analysis	8082A		1	177351	04/22/14 18:41	JMM	TAL BUF
Total/NA	Prep	8151A			177919	04/24/14 07:58	TRG	TAL BUF
Total/NA	Analysis	8151A		1	178457	04/26/14 16:09	GSR	TAL BUF
Total/NA	Prep	3050B			221096	04/26/14 21:07	EAE	TAL EDI
Total/NA	Analysis	6010C		4	221299	04/28/14 17:22	YZH	TAL EDI
Total/NA	Prep	7471B			177624	04/23/14 11:55	LRK	TAL BUF
Total/NA	Analysis	7471B		1	177797	04/23/14 13:50	LRK	TAL BUF
Total/NA	Analysis	7196A		1	221700	04/30/14 12:34	JMP	TAL EDI
Total/NA	Prep	3060A			220865	04/25/14 11:20	PXP	TAL EDI
Total/NA	Analysis	7196A		1	220872	04/27/14 12:06	PXP	TAL EDI
Total/NA	Prep	3060A			221261	04/28/14 11:05	PXP	TAL EDI
Total/NA	Analysis	7196A		1	221263	04/28/14 18:50	PXP	TAL EDI
Total/NA	Prep	9012B			178896	04/29/14 10:11	MDL	TAL BUF
Total/NA	Analysis	9012B		1	178981	04/29/14 14:02	JTS	TAL BUF
Total/NA	Analysis	Moisture		1	176898	04/18/14 21:49	CMK	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Certification Summary

Client: New York State D.E.C.
Project/Site: Industrial Overall Service Corp #360109

TestAmerica Job ID: 480-58247-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8082A	3550C	Solid	Polychlorinated biphenyls, Total
8270D	3550C	Solid	3 & 4 Methylphenol
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: TestAmerica Edison

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Connecticut	State Program	1	PH-0200	09-30-14
DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	N/A	12-31-14
New Jersey	NELAP	2	12028	06-30-14
New York	NELAP	2	11452	03-31-15
Pennsylvania	NELAP	3	68-00522	02-28-15
Rhode Island	State Program	1	LAO00132	12-30-14
USDA	Federal		NJCA-003-08	04-04-17

Method Summary

Client: New York State D.E.C.
Project/Site: Industrial Overall Service Corp #360109

TestAmerica Job ID: 480-58247-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
8151A	Herbicides (GC)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL EDI
7471B	Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	SW846	TAL BUF
7196A	Chromium, Trivalent (Colorimetric)	SW846	TAL EDI
7196A	Chromium, Hexavalent	SW846	TAL EDI
9012B	Cyanide, Total andor Amenable	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: New York State D.E.C.
Project/Site: Industrial Overall Service Corp #360109

TestAmerica Job ID: 480-58247-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-58247-1	Terracore#1	Solid	04/17/14 09:00	04/18/14 02:15
480-58247-2	Terracore#2	Solid	04/17/14 09:15	04/18/14 02:15
480-58247-3	Terracore#3	Solid	04/17/14 09:30	04/18/14 02:15
480-58247-4	Terracore#4	Solid	04/17/14 09:45	04/18/14 02:15
480-58247-5	Composite#1	Solid	04/17/14 10:00	04/18/14 02:15
480-58247-6	Composite#2	Solid	04/17/14 10:15	04/18/14 02:15

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-58247-1

Login Number: 58247

List Source: TestAmerica Buffalo

List Number: 1

Creator: Wienke, Robert K

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-58247-1

Login Number: 58247
List Number: 2
Creator: Rivera, Kenneth

List Source: TestAmerica Edison
List Creation: 04/19/14 02:47 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	877250
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.2°C, IR #5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

TestAmerica Albany
25 Kraft Road
Albany, NY 12205

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Tom Giamichael	Lab PM: Judy Stone	Carrier Tracking No(s):	COC No: 480-48293-12802.1
Client Contact: Brian Baulsir	Phone: 518-337-7635	E-Mail: TGiamichael@AztechTech.com		Page: Page 1 of 1
Company: Aztech Technologies Inc				Job #:
Address: 5 McCrea Hill Road	Due Date Requested:			
City: Ballston Spa	TAT Requested (days):			
State, Zip: NY, 12020				
Phone:	PO #:			
Email: BBAULSIR@AZTECHTECH.COM TGiamichael@AztechTech.com	WO #:			
Project Name: DEC Coverall Uniform	Project #:			
Site:	SSOW#:			

Analysis Requested

480-58247 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9012B -	6010C, 7471B	8081B, 8082A	8270D -	7196A -	8260C -	Total Number of C	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
Terracore #1	4/17/14	0900	G	Solid	N	N	X	X	X	X	X	X		
Terracore #2		0915	G	Solid			X	X	X	X	X	X		
Terracore #3		0930	G	Solid			X	X	X	X	X	X		
Terracore #4		0945	G	Solid			X	X	X	X	X	X		
Composite #1		1000	C	Solid			X	X	X	X	X	X		
Composite #2		1015	C	Solid			X	X	X	X	X	X		
				Solid	X									
				Solid										
				Solid										

4/17/14

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by: Tom Giamichael	Date/Time: 4/17/14 1100	Company: AZtech	Received by:	Date/Time: 4/17/14 1609	Company: TA		
Relinquished by:	Date/Time: 4/17/14 1800	Company: TA	Received by:	Date/Time: 4.18.14 0215	Company: TAL		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.3 #1

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5/14/2014

APPENDIX A-2

TOPSOIL-LOAM RESULTS - TESTAMERICA JOB ID: 480-59160-1

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-59160-1
Client Project/Site: Industrial Overall Service Corp #360109

For:
New York State D.E.C.
625 Broadway
Division of Environmental Remediation
Albany, New York 12233-7014

Attn: Kathryn Eastman

Joseph V. Giacomazza

Authorized for release by:
5/19/2014 12:41:54 PM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Judy Stone, Senior Project Manager
(484)685-0868
judy.stone@testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client: New York State D.E.C.
Project/Site: Industrial Overall Service Corp #360109

TestAmerica Job ID: 480-59160-1

Job ID: 480-59160-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-59160-1

Receipt
The samples were received on 5/3/2014 2:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.1º C.

GC/MS VOA
Method(s) 8260C: The method blank for batch 180502 contained Tetrachloroethene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed. (MB 480-180502/5)

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270D: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batch 180318 recovered outside control limits for the following analytes: 3 & 4 Methylphenol. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8270D: The following sample was diluted due to the nature of the sample matrix: Composite #1 (480-59160-3). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC Semi VOA
Method(s) 8081B: The surrogate percent difference in the associated continuing calibration verifications (CCV) for Decachlorobiphenyl exceeded 20% , indicating a high bias. (CCV 480-180864/15), (CCV 480-180864/3)

Method(s) 8081B: The following sample was diluted due to the nature of the sample matrix : Composite #1 (480-59160-3). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

Metals
Method(s) 6010C: The Low Level Continuing Calibration Verification (CCVL) contained barium outside the control limits. All reported samples (480-59170-75 MS), (480-59170-75 MSD), (480-59170-75 PDS), (480-59170-75 SD), (CCVL 480-180989/22), (MB 480-180018/1-A), L-0-1 (480-59170-75) associated with this CCVL were either below the laboratory's standard reporting limit for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples was not performed.

Method(s) 6010, 6010C: The post digestion spike % recovery for chrome, manganese, and nickel associated with batch 180989 was outside of control limits.

No other analytical or quality issues were noted.

General Chemistry
Method(s) 7196A: The matrix spike soluble/matrix spike insoluble (MSS/MSI) recoveries for batch 223002 were outside control limits due to sample matrix. The associated laboratory control sample (LCSS/LCSI) recoveries met acceptance criteria.

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client: New York State D.E.C.
Project/Site: Industrial Overall Service Corp #360109

TestAmerica Job ID: 480-59160-1

Client Sample ID: Terracore #1

Lab Sample ID: 480-59160-1
Date Collected: 05/02/14 09:00
Matrix: Solid
Date Received: 05/03/14 02:00
Percent Solids: 87.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.5	0.33	ug/Kg	☼	05/06/14 13:32	05/07/14 05:52	1
1,1-Dichloroethane	ND		4.5	0.55	ug/Kg	☼	05/06/14 13:32	05/07/14 05:52	1
1,1-Dichloroethene	ND		4.5	0.55	ug/Kg	☼	05/06/14 13:32	05/07/14 05:52	1
1,2,4-Trimethylbenzene	ND		4.5	0.86	ug/Kg	☼	05/06/14 13:32	05/07/14 05:52	1
1,2-Dichlorobenzene	ND		4.5	0.35	ug/Kg	☼	05/06/14 13:32	05/07/14 05:52	1
1,2-Dichloroethane	ND		4.5	0.23	ug/Kg	☼	05/06/14 13:32	05/07/14 05:52	1
1,3,5-Trimethylbenzene	ND		4.5	0.29	ug/Kg	☼	05/06/14 13:32	05/07/14 05:52	1
1,3-Dichlorobenzene	ND		4.5	0.23	ug/Kg	☼	05/06/14 13:32	05/07/14 05:52	1
1,4-Dichlorobenzene	ND		4.5	0.63	ug/Kg	☼	05/06/14 13:32	05/07/14 05:52	1
1,4-Dioxane	ND		90	20	ug/Kg	☼	05/06/14 13:32	05/07/14 05:52	1
2-Butanone (MEK)	ND		23	1.6	ug/Kg	☼	05/06/14 13:32	05/07/14 05:52	1
Acetone	ND		23	3.8	ug/Kg	☼	05/06/14 13:32	05/07/14 05:52	1
Benzene	ND		4.5	0.22	ug/Kg	☼	05/06/14 13:32	05/07/14 05:52	1
Carbon tetrachloride	ND		4.5	0.44	ug/Kg	☼	05/06/14 13:32	05/07/14 05:52	1
Chlorobenzene	ND		4.5	0.59	ug/Kg	☼	05/06/14 13:32	05/07/14 05:52	1
Chloroform	ND		4.5	0.28	ug/Kg	☼	05/06/14 13:32	05/07/14 05:52	1
cis-1,2-Dichloroethene	ND		4.5	0.58	ug/Kg	☼	05/06/14 13:32	05/07/14 05:52	1
Ethylbenzene	ND		4.5	0.31	ug/Kg	☼	05/06/14 13:32	05/07/14 05:52	1
Methyl tert-butyl ether	ND		4.5	0.44	ug/Kg	☼	05/06/14 13:32	05/07/14 05:52	1
Methylene Chloride	ND		4.5	2.1	ug/Kg	☼	05/06/14 13:32	05/07/14 05:52	1
n-Butylbenzene	ND		4.5	0.39	ug/Kg	☼	05/06/14 13:32	05/07/14 05:52	1
N-Propylbenzene	ND		4.5	0.36	ug/Kg	☼	05/06/14 13:32	05/07/14 05:52	1
sec-Butylbenzene	ND		4.5	0.39	ug/Kg	☼	05/06/14 13:32	05/07/14 05:52	1
Tetrachloroethene	**2.1**	**J B**	4.5	0.60	ug/Kg	☼	05/06/14 13:32	05/07/14 05:52	1
Toluene	ND		4.5	0.34	ug/Kg	☼	05/06/14 13:32	05/07/14 05:52	1
trans-1,2-Dichloroethene	ND		4.5	0.46	ug/Kg	☼	05/06/14 13:32	05/07/14 05:52	1
Trichloroethene	ND		4.5	0.99	ug/Kg	☼	05/06/14 13:32	05/07/14 05:52	1
Vinyl chloride	ND		4.5	0.55	ug/Kg	☼	05/06/14 13:32	05/07/14 05:52	1
Xylenes, Total	ND		9.0	0.76	ug/Kg	☼	05/06/14 13:32	05/07/14 05:52	1
tert-Butylbenzene	ND		4.5	0.47	ug/Kg	☼	05/06/14 13:32	05/07/14 05:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*64 - 126*	*05/06/14 13:32*	*05/07/14 05:52*	*1*
4-Bromofluorobenzene (Surr)	*101*		*72 - 126*	*05/06/14 13:32*	*05/07/14 05:52*	*1*
Toluene-d8 (Surr)	*106*		*71 - 125*	*05/06/14 13:32*	*05/07/14 05:52*	*1*
Dibromofluoromethane (Surr)	*104*		*60 - 140*	*05/06/14 13:32*	*05/07/14 05:52*	*1*

Client Sample ID: Terracore #2

Lab Sample ID: 480-59160-2
Date Collected: 05/02/14 09:15
Matrix: Solid
Date Received: 05/03/14 02:00
Percent Solids: 89.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.5	0.33	ug/Kg	☼	05/06/14 13:32	05/07/14 06:17	1
1,1-Dichloroethane	ND		4.5	0.55	ug/Kg	☼	05/06/14 13:32	05/07/14 06:17	1
1,1-Dichloroethene	ND		4.5	0.55	ug/Kg	☼	05/06/14 13:32	05/07/14 06:17	1
1,2,4-Trimethylbenzene	ND		4.5	0.87	ug/Kg	☼	05/06/14 13:32	05/07/14 06:17	1
1,2-Dichlorobenzene	ND		4.5	0.35	ug/Kg	☼	05/06/14 13:32	05/07/14 06:17	1
1,2-Dichloroethane	ND		4.5	0.23	ug/Kg	☼	05/06/14 13:32	05/07/14 06:17	1
1,3,5-Trimethylbenzene	ND		4.5	0.29	ug/Kg	☼	05/06/14 13:32	05/07/14 06:17	1

Client Sample ID: Terracore #2

Lab Sample ID: 480-59160-2
Date Collected: 05/02/14 09:15
Matrix: Solid
Date Received: 05/03/14 02:00
Percent Solids: 89.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		4.5	0.23	ug/Kg	☼	05/06/14 13:32	05/07/14 06:17	1
1,4-Dichlorobenzene	ND		4.5	0.63	ug/Kg	☼	05/06/14 13:32	05/07/14 06:17	1
1,4-Dioxane	ND		90	20	ug/Kg	☼	05/06/14 13:32	05/07/14 06:17	1
2-Butanone (MEK)	ND		23	1.7	ug/Kg	☼	05/06/14 13:32	05/07/14 06:17	1
Acetone	ND		23	3.8	ug/Kg	☼	05/06/14 13:32	05/07/14 06:17	1
Benzene	ND		4.5	0.22	ug/Kg	☼	05/06/14 13:32	05/07/14 06:17	1
Carbon tetrachloride	ND		4.5	0.44	ug/Kg	☼	05/06/14 13:32	05/07/14 06:17	1
Chlorobenzene	ND		4.5	0.60	ug/Kg	☼	05/06/14 13:32	05/07/14 06:17	1
Chloroform	ND		4.5	0.28	ug/Kg	☼	05/06/14 13:32	05/07/14 06:17	1
cis-1,2-Dichloroethene	ND		4.5	0.58	ug/Kg	☼	05/06/14 13:32	05/07/14 06:17	1
Ethylbenzene	ND		4.5	0.31	ug/Kg	☼	05/06/14 13:32	05/07/14 06:17	1
Methyl tert-butyl ether	ND		4.5	0.44	ug/Kg	☼	05/06/14 13:32	05/07/14 06:17	1
Methylene Chloride	ND		4.5	2.1	ug/Kg	☼	05/06/14 13:32	05/07/14 06:17	1
n-Butylbenzene	ND		4.5	0.39	ug/Kg	☼	05/06/14 13:32	05/07/14 06:17	1
N-Propylbenzene	ND		4.5	0.36	ug/Kg	☼	05/06/14 13:32	05/07/14 06:17	1
sec-Butylbenzene	ND		4.5	0.39	ug/Kg	☼	05/06/14 13:32	05/07/14 06:17	1
Tetrachloroethene	**2.0**	**J B**	4.5	0.61	ug/Kg	☼	05/06/14 13:32	05/07/14 06:17	1
Toluene	ND		4.5	0.34	ug/Kg	☼	05/06/14 13:32	05/07/14 06:17	1
trans-1,2-Dichloroethene	ND		4.5	0.47	ug/Kg	☼	05/06/14 13:32	05/07/14 06:17	1
Trichloroethene	ND		4.5	0.99	ug/Kg	☼	05/06/14 13:32	05/07/14 06:17	1
Vinyl chloride	ND		4.5	0.55	ug/Kg	☼	05/06/14 13:32	05/07/14 06:17	1
Xylenes, Total	ND		9.0	0.76	ug/Kg	☼	05/06/14 13:32	05/07/14 06:17	1
tert-Butylbenzene	ND		4.5	0.47	ug/Kg	☼	05/06/14 13:32	05/07/14 06:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*64 - 126*	*05/06/14 13:32*	*05/07/14 06:17*	*1*
4-Bromofluorobenzene (Surr)	*101*		*72 - 126*	*05/06/14 13:32*	*05/07/14 06:17*	*1*
Toluene-d8 (Surr)	*105*		*71 - 125*	*05/06/14 13:32*	*05/07/14 06:17*	*1*
Dibromofluoromethane (Surr)	*107*		*60 - 140*	*05/06/14 13:32*	*05/07/14 06:17*	*1*

Client Sample ID: Composite #1

Lab Sample ID: 480-59160-3
Date Collected: 05/02/14 09:30
Matrix: Solid
Date Received: 05/03/14 02:00
Percent Solids: 88.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.4	0.39	ug/Kg	☼	05/06/14 13:32	05/07/14 06:43	1
1,1-Dichloroethane	ND		5.4	0.66	ug/Kg	☼	05/06/14 13:32	05/07/14 06:43	1
1,1-Dichloroethene	ND		5.4	0.67	ug/Kg	☼	05/06/14 13:32	05/07/14 06:43	1
1,2,4-Trimethylbenzene	ND		5.4	1.0	ug/Kg	☼	05/06/14 13:32	05/07/14 06:43	1
1,2-Dichlorobenzene	ND		5.4	0.43	ug/Kg	☼	05/06/14 13:32	05/07/14 06:43	1
1,2-Dichloroethane	ND		5.4	0.27	ug/Kg	☼	05/06/14 13:32	05/07/14 06:43	1
1,3,5-Trimethylbenzene	ND		5.4	0.35	ug/Kg	☼	05/06/14 13:32	05/07/14 06:43	1
1,3-Dichlorobenzene	ND		5.4	0.28	ug/Kg	☼	05/06/14 13:32	05/07/14 06:43	1
1,4-Dichlorobenzene	ND		5.4	0.76	ug/Kg	☼	05/06/14 13:32	05/07/14 06:43	1
1,4-Dioxane	ND		110	24	ug/Kg	☼	05/06/14 13:32	05/07/14 06:43	1
2-Butanone (MEK)	ND		27	2.0	ug/Kg	☼	05/06/14 13:32	05/07/14 06:43	1
Acetone	ND		27	4.6	ug/Kg	☼	05/06/14 13:32	05/07/14 06:43	1
Benzene	ND		5.4	0.27	ug/Kg	☼	05/06/14 13:32	05/07/14 06:43	1
Carbon tetrachloride	ND		5.4	0.53	ug/Kg	☼	05/06/14 13:32	05/07/14 06:43	1

Client Sample ID: Composite #1
Date Collected: 05/02/14 09:30
Date Received: 05/03/14 02:00

Lab Sample ID: 480-59160-3
Matrix: Solid
Percent Solids: 88.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		5.4	0.72	ug/Kg	☼	05/06/14 13:32	05/07/14 06:43	1
Chloroform	ND		5.4	0.34	ug/Kg	☼	05/06/14 13:32	05/07/14 06:43	1
cis-1,2-Dichloroethene	ND		5.4	0.70	ug/Kg	☼	05/06/14 13:32	05/07/14 06:43	1
Ethylbenzene	ND		5.4	0.38	ug/Kg	☼	05/06/14 13:32	05/07/14 06:43	1
Methyl tert-butyl ether	ND		5.4	0.53	ug/Kg	☼	05/06/14 13:32	05/07/14 06:43	1
Methylene Chloride	ND		5.4	2.5	ug/Kg	☼	05/06/14 13:32	05/07/14 06:43	1
n-Butylbenzene	ND		5.4	0.47	ug/Kg	☼	05/06/14 13:32	05/07/14 06:43	1
N-Propylbenzene	ND		5.4	0.43	ug/Kg	☼	05/06/14 13:32	05/07/14 06:43	1
sec-Butylbenzene	ND		5.4	0.47	ug/Kg	☼	05/06/14 13:32	05/07/14 06:43	1
Tetrachloroethene	**2.5**	**J B**	5.4	0.73	ug/Kg	☼	05/06/14 13:32	05/07/14 06:43	1
Toluene	ND		5.4	0.41	ug/Kg	☼	05/06/14 13:32	05/07/14 06:43	1
trans-1,2-Dichloroethene	ND		5.4	0.56	ug/Kg	☼	05/06/14 13:32	05/07/14 06:43	1
Trichloroethene	ND		5.4	1.2	ug/Kg	☼	05/06/14 13:32	05/07/14 06:43	1
Vinyl chloride	ND		5.4	0.66	ug/Kg	☼	05/06/14 13:32	05/07/14 06:43	1
Xylenes, Total	ND		11	0.91	ug/Kg	☼	05/06/14 13:32	05/07/14 06:43	1
tert-Butylbenzene	ND		5.4	0.57	ug/Kg	☼	05/06/14 13:32	05/07/14 06:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*64 - 126*	*05/06/14 13:32*	*05/07/14 06:43*	*1*
4-Bromofluorobenzene (Surr)	*101*		*72 - 126*	*05/06/14 13:32*	*05/07/14 06:43*	*1*
Toluene-d8 (Surr)	*103*		*71 - 125*	*05/06/14 13:32*	*05/07/14 06:43*	*1*
Dibromofluoromethane (Surr)	*107*		*60 - 140*	*05/06/14 13:32*	*05/07/14 06:43*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		950	29	ug/Kg	☼	05/06/14 09:32	05/08/14 11:00	5
4-Methylphenol	ND	*	1900	53	ug/Kg	☼	05/06/14 09:32	05/08/14 11:00	5
Acenaphthene	**44**	**J**	950	11	ug/Kg	☼	05/06/14 09:32	05/08/14 11:00	5
Acenaphthylene	**63**	**J**	950	7.7	ug/Kg	☼	05/06/14 09:32	05/08/14 11:00	5
Anthracene	**160**	**J**	950	24	ug/Kg	☼	05/06/14 09:32	05/08/14 11:00	5
Benzo(a)anthracene	**650**	**J**	950	16	ug/Kg	☼	05/06/14 09:32	05/08/14 11:00	5
Benzo(a)pyrene	**620**	**J**	950	23	ug/Kg	☼	05/06/14 09:32	05/08/14 11:00	5
Benzo(b)fluoranthene	**750**	**J**	950	18	ug/Kg	☼	05/06/14 09:32	05/08/14 11:00	5
Benzo(g,h,i)perylene	**410**	**J**	950	11	ug/Kg	☼	05/06/14 09:32	05/08/14 11:00	5
Benzo(k)fluoranthene	**360**	**J**	950	10	ug/Kg	☼	05/06/14 09:32	05/08/14 11:00	5
Chrysene	**680**	**J**	950	9.5	ug/Kg	☼	05/06/14 09:32	05/08/14 11:00	5
Dibenz(a,h)anthracene	**110**	**J**	950	11	ug/Kg	☼	05/06/14 09:32	05/08/14 11:00	5
Fluoranthene	**1300**		950	14	ug/Kg	☼	05/06/14 09:32	05/08/14 11:00	5
Fluorene	**88**	**J**	950	22	ug/Kg	☼	05/06/14 09:32	05/08/14 11:00	5
Hexachlorobenzene	ND		950	47	ug/Kg	☼	05/06/14 09:32	05/08/14 11:00	5
Indeno(1,2,3-cd)pyrene	**440**	**J**	950	26	ug/Kg	☼	05/06/14 09:32	05/08/14 11:00	5
Naphthalene	**29**	**J**	950	16	ug/Kg	☼	05/06/14 09:32	05/08/14 11:00	5
Pentachlorophenol	ND		1900	320	ug/Kg	☼	05/06/14 09:32	05/08/14 11:00	5
Phenanthrene	**720**	**J**	950	20	ug/Kg	☼	05/06/14 09:32	05/08/14 11:00	5
Phenol	ND		950	100	ug/Kg	☼	05/06/14 09:32	05/08/14 11:00	5
Pyrene	**1500**		950	6.1	ug/Kg	☼	05/06/14 09:32	05/08/14 11:00	5
3 & 4 Methylphenol	ND	*	1900	53	ug/Kg	☼	05/06/14 09:32	05/08/14 11:00	5
Dibenzofuran	**34**	**J**	950	9.8	ug/Kg	☼	05/06/14 09:32	05/08/14 11:00	5

Client Sample ID: Composite #1
Date Collected: 05/02/14 09:30
Date Received: 05/03/14 02:00

Lab Sample ID: 480-59160-3
Matrix: Solid
Percent Solids: 88.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	*94*		*39 - 146*	*05/06/14 09:32*	*05/08/14 11:00*	*5*
2-Fluorobiphenyl	*95*		*37 - 120*	*05/06/14 09:32*	*05/08/14 11:00*	*5*
2-Fluorophenol	*99*		*18 - 120*	*05/06/14 09:32*	*05/08/14 11:00*	*5*
Nitrobenzene-d5	*83*		*34 - 132*	*05/06/14 09:32*	*05/08/14 11:00*	*5*
Phenol-d5	*94*		*11 - 120*	*05/06/14 09:32*	*05/08/14 11:00*	*5*
p-Terphenyl-d14	*115*		*65 - 153*	*05/06/14 09:32*	*05/08/14 11:00*	*5*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		37	7.2	ug/Kg	☼	05/07/14 07:32	05/08/14 15:42	20
4,4'-DDE	ND		37	7.7	ug/Kg	☼	05/07/14 07:32	05/08/14 15:42	20
4,4'-DDT	**13**	**J**	37	8.6	ug/Kg	☼	05/07/14 07:32	05/08/14 15:42	20
Aldrin	ND		37	9.1	ug/Kg	☼	05/07/14 07:32	05/08/14 15:42	20
alpha-BHC	**8.6**	**J**	37	6.6	ug/Kg	☼	05/07/14 07:32	05/08/14 15:42	20
alpha-Chlordane	ND		37	18	ug/Kg	☼	05/07/14 07:32	05/08/14 15:42	20
beta-BHC	ND		37	6.6	ug/Kg	☼	05/07/14 07:32	05/08/14 15:42	20
delta-BHC	ND		37	6.8	ug/Kg	☼	05/07/14 07:32	05/08/14 15:42	20
Dieldrin	ND		37	8.8	ug/Kg	☼	05/07/14 07:32	05/08/14 15:42	20
Endosulfan I	ND		37	7.1	ug/Kg	☼	05/07/14 07:32	05/08/14 15:42	20
Endosulfan II	ND		37	6.6	ug/Kg	☼	05/07/14 07:32	05/08/14 15:42	20
Endosulfan sulfate	ND		37	6.9	ug/Kg	☼	05/07/14 07:32	05/08/14 15:42	20
Endrin	ND		37	7.3	ug/Kg	☼	05/07/14 07:32	05/08/14 15:42	20
Endrin aldehyde	ND		37	9.4	ug/Kg	☼	05/07/14 07:32	05/08/14 15:42	20
gamma-BHC (Lindane)	ND		37	6.8	ug/Kg	☼	05/07/14 07:32	05/08/14 15:42	20
Heptachlor	ND		37	8.0	ug/Kg	☼	05/07/14 07:32	05/08/14 15:42	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*0*	*X*	*32 - 136*	*05/07/14 07:32*	*05/08/14 15:42*	*20*
Tetrachloro-m-xylene	*0*	*X*	*30 - 124*	*05/07/14 07:32*	*05/08/14 15:42*	*20*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.24	0.048	mg/Kg	☼	05/08/14 10:14	05/10/14 03:16	1
PCB-1221	ND		0.24	0.048	mg/Kg	☼	05/08/14 10:14	05/10/14 03:16	1
PCB-1232	ND		0.24	0.048	mg/Kg	☼	05/08/14 10:14	05/10/14 03:16	1
PCB-1242	ND		0.24	0.048	mg/Kg	☼	05/08/14 10:14	05/10/14 03:16	1
PCB-1248	ND		0.24	0.048	mg/Kg	☼	05/08/14 10:14	05/10/14 03:16	1
PCB-1254	ND		0.24	0.11	mg/Kg	☼	05/08/14 10:14	05/10/14 03:16	1
PCB-1260	ND		0.24	0.11	mg/Kg	☼	05/08/14 10:14	05/10/14 03:16	1
Polychlorinated biphenyls, Total	ND		0.24	0.11	mg/Kg	☼	05/08/14 10:14	05/10/14 03:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*114*		*46 - 175*	*05/08/14 10:14*	*05/10/14 03:16*	*1*
DCB Decachlorobiphenyl	*120*		*47 - 176*	*05/08/14 10:14*	*05/10/14 03:16*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		18	6.6	ug/Kg	☼	05/13/14 13:46	05/16/14 14:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	*73*		*39 - 120*	*05/13/14 13:46*	*05/16/14 14:08*	*1*

Client: New York State D.E.C.
Project/Site: Industrial Overall Service Corp #360109

TestAmerica Job ID: 480-59160-1

Client Sample ID: Composite #1
Date Collected: 05/02/14 09:30
Date Received: 05/03/14 02:00

Lab Sample ID: 480-59160-3
Matrix: Solid
Percent Solids: 88.6

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.2		2.5	0.50	mg/Kg	☼	05/05/14 10:25	05/08/14 11:56	1
Barium	44.5		0.62	0.14	mg/Kg	☼	05/05/14 10:25	05/08/14 11:56	1
Beryllium	0.41		0.25	0.035	mg/Kg	☼	05/05/14 10:25	05/08/14 11:56	1
Cadmium	0.19	J	0.25	0.037	mg/Kg	☼	05/05/14 10:25	05/08/14 11:56	1
Chromium	10.5		0.62	0.25	mg/Kg	☼	05/05/14 10:25	05/08/14 11:56	1
Copper	15.2		1.2	0.26	mg/Kg	☼	05/05/14 10:25	05/08/14 11:56	1
Lead	219		1.2	0.30	mg/Kg	☼	05/05/14 10:25	05/08/14 11:56	1
Manganese	436		0.25	0.040	mg/Kg	☼	05/05/14 10:25	05/08/14 11:56	1
Nickel	10.9		6.2	0.29	mg/Kg	☼	05/05/14 10:25	05/08/14 11:56	1
Selenium	ND		5.0	0.50	mg/Kg	☼	05/05/14 10:25	05/08/14 11:56	1
Silver	ND		0.74	0.25	mg/Kg	☼	05/05/14 10:25	05/08/14 11:56	1
Zinc	72.3		2.5	0.19	mg/Kg	☼	05/05/14 10:25	05/08/14 11:56	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.055		0.021	0.0084	mg/Kg	☼	05/06/14 11:50	05/06/14 14:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		2.3	0.59	mg/Kg	☼	05/07/14 12:15	05/07/14 16:10	1
Cyanide, Total	ND		1.1	0.53	mg/Kg	☼	05/06/14 12:51	05/06/14 21:33	1
Cr (III)	10.5		1.5	0.63	mg/Kg			05/13/14 10:19	1

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Industrial Overall Service Corp #360109

TestAmerica Job ID: 480-59160-1

Client Sample ID: Terracore #1

Lab Sample ID: 480-59160-1
Date Collected: 05/02/14 09:00
Matrix: Solid
Date Received: 05/03/14 02:00
Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			180396	05/06/14 13:32	PJQ	TAL BUF
Total/NA	Analysis	8260C		1	180502	05/07/14 05:52	PJQ	TAL BUF
Total/NA	Analysis	Moisture		1	180400	05/06/14 13:55	PJQ	TAL BUF

Client Sample ID: Terracore #2

Lab Sample ID: 480-59160-2
Date Collected: 05/02/14 09:15
Matrix: Solid
Date Received: 05/03/14 02:00
Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			180396	05/06/14 13:32	PJQ	TAL BUF
Total/NA	Analysis	8260C		1	180502	05/07/14 06:17	PJQ	TAL BUF
Total/NA	Analysis	Moisture		1	180400	05/06/14 13:55	PJQ	TAL BUF

Client Sample ID: Composite #1

Lab Sample ID: 480-59160-3
Date Collected: 05/02/14 09:30
Matrix: Solid
Date Received: 05/03/14 02:00
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			180396	05/06/14 13:32	PJQ	TAL BUF
Total/NA	Analysis	8260C		1	180502	05/07/14 06:43	PJQ	TAL BUF
Total/NA	Prep	3550C			180318	05/06/14 09:32	CAM	TAL BUF
Total/NA	Analysis	8270D		5	180885	05/08/14 11:00	ANM	TAL BUF
Total/NA	Prep	3550C			180542	05/07/14 07:32	CAM	TAL BUF
Total/NA	Analysis	8081B		20	180864	05/08/14 15:42	LMW	TAL BUF
Total/NA	Prep	3550C			180912	05/08/14 10:14	JLS	TAL BUF
Total/NA	Analysis	8082A		1	181111	05/10/14 03:16	JMM	TAL BUF
Total/NA	Prep	8151A			181742	05/13/14 13:46	CAM	TAL BUF
Total/NA	Analysis	8151A		1	182522	05/16/14 14:08	DLE	TAL BUF
Total/NA	Prep	3050B			180018	05/05/14 10:25	EHD	TAL BUF
Total/NA	Analysis	6010C		1	180989	05/08/14 11:56		TAL BUF
Total/NA	Prep	7471B			180355	05/06/14 11:50	LRK	TAL BUF
Total/NA	Analysis	7471B		1	180411	05/06/14 14:08	LRK	TAL BUF
Total/NA	Prep	3060A			223001	05/07/14 12:15	PXP	TAL EDI
Total/NA	Analysis	7196A		1	223002	05/07/14 16:10	PXP	TAL EDI
Total/NA	Prep	9012B			180390	05/06/14 12:51	MDL	TAL BUF
Total/NA	Analysis	9012B		1	180485	05/06/14 21:33	RS	TAL BUF
Total/NA	Analysis	Moisture		1	179937	05/03/14 16:17	CMK	TAL BUF
Total/NA	Analysis	Moisture		1	180400	05/06/14 13:55	PJQ	TAL BUF
Total/NA	Analysis	SM 3500 CR D		1	181641	05/13/14 10:19	LMH	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Certification Summary

Client: New York State D.E.C.
Project/Site: Industrial Overall Service Corp #360109

TestAmerica Job ID: 480-59160-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-14
California	State Program	9	1169CA	09-30-14
Connecticut	State Program	1	PH-0568	09-30-14
Florida	NELAP	4	E87672	06-30-14
Georgia	State Program	4	N/A	03-31-15
Illinois	NELAP	5	200003	09-30-14
Iowa	State Program	7	374	03-01-15
Kansas	NELAP	7	E-10187	01-31-15 *
Kentucky (DW)	State Program	4	90029	12-31-14
Kentucky (UST)	State Program	4	30	03-31-15
Louisiana	NELAP	6	02031	06-30-14
Maine	State Program	1	NY00044	12-04-14
Maryland	State Program	3	294	03-31-15
Massachusetts	State Program	1	M-NY044	06-30-14
Michigan	State Program	5	9937	03-31-15
Minnesota	NELAP	5	036-999-337	12-31-14
New Hampshire	NELAP	1	2337	11-17-14
New Jersey	NELAP	2	NY455	06-30-14
New York	NELAP	2	10026	03-31-15
North Dakota	State Program	8	R-176	03-31-14 *
Oklahoma	State Program	6	9421	08-31-14
Oregon	NELAP	10	NY200003	06-09-14
Pennsylvania	NELAP	3	68-00281	07-31-14
Rhode Island	State Program	1	LAO00328	12-30-14
Tennessee	State Program	4	TN02970	03-31-15
Texas	NELAP	6	T104704412-11-2	07-31-14
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAP	3	460185	09-14-14
Washington	State Program	10	C784	02-10-15
West Virginia DEP	State Program	3	252	05-31-14
Wisconsin	State Program	5	998310390	08-31-14

Laboratory: TestAmerica Edison

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Connecticut	State Program	1	PH-0200	09-30-14
DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	N/A	12-31-14
New Jersey	NELAP	2	12028	06-30-14
New York	NELAP	2	11452	03-31-15
Pennsylvania	NELAP	3	68-00522	02-28-15
Rhode Island	State Program	1	LAO00132	12-30-14
USDA	Federal		NJCA-003-08	04-04-17

* Expired certification is currently pending renewal and is considered valid.

Method Summary

Client: New York State D.E.C.
Project/Site: Industrial Overall Service Corp #360109

TestAmerica Job ID: 480-59160-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
8151A	Herbicides (GC)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7471B	Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	SW846	TAL BUF
7196A	Chromium, Hexavalent	SW846	TAL EDI
9012B	Cyanide, Total andor Amenable	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
SM 3500 CR D	Chromium, Trivalent	SM	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: New York State D.E.C.
Project/Site: Industrial Overall Service Corp #360109

TestAmerica Job ID: 480-59160-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-59160-1	Terracore #1	Solid	05/02/14 09:00	05/03/14 02:00
480-59160-2	Terracore #2	Solid	05/02/14 09:15	05/03/14 02:00
480-59160-3	Composite #1	Solid	05/02/14 09:30	05/03/14 02:00

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-59160-1

Login Number: 59160

List Source: TestAmerica Buffalo

List Number: 1

Creator: Wienke, Robert K

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	AZTECH
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-59160-1

Login Number: 59160
List Number: 2
Creator: Elvie, Cloide

List Source: TestAmerica Edison
List Creation: 05/06/14 11:52 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	877378
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	Water present in cooler; indicates evidence of melted ice.
Cooler Temperature is acceptable.	False	Cooler temperature outside required temperature criteria.
Cooler Temperature is recorded.	True	7.9°C IR#5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

TestAmerica Albany
25 Kraft Road
Albany, NY 12205

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Tom Giamichael	Lab PM: Judy Stone	Carrier Tracking No(s):	COC No: 480-49168-13051.1
Client Contact: Brian Baulsir	Phone: 518-332-7635	E-Mail: TGiamichael@AztechTech.com		Page: Page 1 of 1
Company: Aztech Technologies Inc				Job #:
Address: 5 McCrea Hill Road	Due Date Requested:	Analysis Requested		
City: Ballston Spa	TAT Requested (days): STANDARD			
State, Zip: NY, 12020				
Phone: 518-885-5383	PO #:			
Email: TGiamichael@AztechTech.com BBAULSIR@AZTECHTECH.COM	WO #:			
Project Name: DEC Coverall Uniform	Project #:			
Site: New Rochelle, NY	SSOW#:			

480-59160 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

* Topsoil from HSG

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9012B -	6010C, 7471B	8081B, 8082A	8270D -	7196A -	8151A -	8260C -	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N	N		
Terracore #1	5/2/14	0900	G	Solid	N	N							X		
Terracore #2	"	0915	G	Solid	N	N							X		
Composite #1	↓	0930	C	Solid	N	N	X	X	X	X	X	X	X		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Tom Giamichael	5/2/14 1000	Aztech	Tim Kraber	5-2-14 1600	
2	Tim Kraber	5-2-14 1800	TA		5-2-14 0900	TA
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3 / 4C

Page 16 of 17

5/19/2014

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

480-59160 Chain of Custody

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

5/19/2014

Client Information (Sub Contract Lab)
Client Contact: Shipping/Receiving
Company: TestAmerica Laboratories, Inc.
Address: 777 New Durham Road,
City: Edison
State, Zip: NJ, 08817
Phone: 732-549-3900(Tel) 732-549-3679(Fax)
Email:
Project Name: Industrial Overall Service Corp #360109
Site

Due Date Requested: 5/14/2014
TAT Requested (days):
PO #:
WO #:
Project #: 48009617
SSOW#:

Lab PM: Stone, Judy L
E-Mail: judy.stone@testamericainc.com
Carrier Tracking No(s):

COC No: 480-16209.1
Page: Page 1 of 1
Job #: 480-59160-1

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7196A/3060A Hexavalent Chromium - 7196	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
Composite # 1 (480-59160-3)	5/2/14	09:30 Eastern		Solid			X		

Preservation Codes:
A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2SO3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - ph 4-5
Z - other (specify)
Other:

Possible Hazard Identification
Unconfirmed
Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		5/5/14 1700	TA Buff.	CE/VE	5/6/14 9:00	TA Edison
2	Relinquished by:	Date/Time:	Company	Received by: via FEDEX	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No
Custody Seal No.: 877375
Cooler Temperature(s) °C and Other Remarks: 7.8 / 7.9 °C IR#5
MELTED ICE

APPENDIX B

DAILY CONSTRUCTION OVERSIGHT REPORTS

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: 1 (~~Daily Observation Report No. – Days from NTP~~)

Mactec PC Project No.: 3612112221.05.01

Date: 6-2-14 **Initials:** JDZ

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

NYSDEC Engineer / Contractor: Mactec Engineering & Consulting, P.C. (MACTEC)

NYSDEC Call Out Contractor: Aztech Technologies, Inc.

Client/Project: NYSDEC – Industrial Overall Site 360109

Address: 10 Bartel's Place, New Rochelle, NY

Temperature (F): ____ (am) ____ (pm)

Weather: (am) ____ (pm) ____

Arrived at site: 11:05 Departed from site: 15:50

HEALTH & SAFETY:

Tailgate Safety Briefing held? Yes (✓) No ( )

Conducted By: Tom Longley

Topics Covered:	Potential Hazards:	Methods to Control Hazard:	PPE Required:
• Read HASP to			D
AZTECH outlined,			
touching on			
Pertinent issues			
therein			

Are there any changes to the Health & Safety Plan? Yes ( ) No (✓)

(If yes, list the deviation under items for concern)

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-2-14 **Initials:** JDF

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

Are H&S monitoring results acceptable?	- Soils: Yes ( )	N/A (✓)	*No ( )
	- Waters: Yes ( )	N/A (✓)	*No ( )
	- Air: Yes ( )	N/A (✓)	*No ( )

**If No, provide comments*

DESCRIPTION OF DAILY WORK PERFORMED

- Go over proposed method of attack to perform work w/ AZTECH.
- Get acclimated to site, meet workers in the Cleaners/work apparel shop
- AZTECH spends most of time on site clearing out the backyard of Hernandez (Alfonso?) – taking apart shed & moving this, moving personal belongings, etc. out of area of excavation in preparation of actual excavation work.

OTHER SITE ACTIVITES

N/A

CHANGES / REVISIONS / MODIFICATIONS TO DESIGN:

Where changes documented on marked up drawings? Yes ( ) No (✓)

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-3-14 **Initials:** JDF

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

PERSONNEL ON SITE:

Name	Company Representing	Reason Onsite	Hours Onsite
Tom Longley	MACTEC	oversight	11:05 → 15:50
Brandon Shaw	MACTEC	oversight	~1140 → 15:50
Thomas Giamichael	AZTECH	excavation supervisor	11:25 → 15:50
Lewis Gelinas	AZTECH	excavator/equip. oper./Laborer	11:25 → 15:50

EQUIPMENT ONSITE:

Equipment	Hrs.	Equipment	Hrs.	Equipment	Hrs.	Equipment	Hrs.
Bobcat T300	1						
Pick-up Truck	1						

1 – Active Equipment 2 – Inactive Equipment

MATERIALS DELIVERED TO THE SITE:

Material	Daily Quantity (tons)	Total Quantity (tons)
1- Roll off Container	N/A	—

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-2-14 **Initials:** JDF

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

SITE WASTE TRANSPORTATION/DISPOSAL PRODUCTION:

Waste Stream	Method of Transport	Estimated Volume	Running Total (est.)	Disposal Facilities	
				Haz Soil	Non-Haz Soil
None today					

PROJECT SCHEDULE ITEMS / ISSUES:

None apparent other than potential that roll-offs may not be delivered/taken off site in timely manner.

ITEMS OF CONCERN:

INTERACTIONS WITH SITE OWNER, PUBLIC, TOWN:

Met w/ Martin Hernandez of I.O. – day foreman

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-2-14 **Initials:** TDF

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

SAMPLES COLLECTED/ANALYSIS REQUESTED/TURN AROUND TIME:

N/A

LIST OF ATTACHMENTS TO THIS REPORT: (sketches, photo log, drawing markups, Chain of Custody Record)

Photographs will be downloaded onto Site directory in Portland, ME

DAILY PHOTO LOG: See attached photo log.

Photo ID	Description

ON-SITE OVESIGHT REPRESENTATIVE (Mactec Engineering & Consulting, P.C. Site representative):

Name: (printed) Thomas D. Frazier

Name: (signature) _____ Date: 6-2-14

checked C. Staples 7-15-14

cc: Jean Firth –Mactec, P.C. Portland

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: 2 (~~*Daily Observation Report No. = Days from NTP~~)

Mactec PC Project No.: 3612112221.05.01

Date: 6-3-14 **Initials:** JDJ

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

NYSDEC Engineer / Contractor: Mactec Engineering & Consulting, P.C. (MACTEC)

NYSDEC Call Out Contractor: Aztech Technologies, Inc.

Client/Project: NYSDEC – Industrial Overall Site 360109

Address: 10 Bartel's Place, New Rochelle, NY

0814 15:45

Temperature (F): 74 (am) 86 (pm)

Weather: (am) Calm, Humid w/ Sun/Hazy (pm) Calm, Sunny, HOT

Arrived at site: 07:00 Departed from site: 16:00

HEALTH & SAFETY:

Tailgate Safety Briefing held? Yes (✓) No ( )

Conducted By: Tom Hayley

Topics Covered:	Potential Hazards:	Methods to Control Hazard:	PPE Required:
Heat- frequent Breaks	Heat STRess	Breaks when appropriate	D
Work Speed	Accidents	Go Slow	
Slip/Trip/Falls	~~Be~~ Falls/injury	" "	
Water Breaks	Keep hydrated	Heat - take breaks	
Dust	INHalation	Water hose/suppression	
PPE	General H&S	Proper PPE	

Are there any changes to the Health & Safety Plan? Yes ( ) No (✓)

(If yes, list the deviation under items for concern)

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-3-14 **Initials:** TDL

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

Are H&S monitoring results acceptable?	- Soils: Yes (✓)	N/A ( )	*No ( )
	- Waters: Yes ( )	N/A (✓)	*No ( )
	- Air: Yes (✓)	N/A ( )	*No ( )

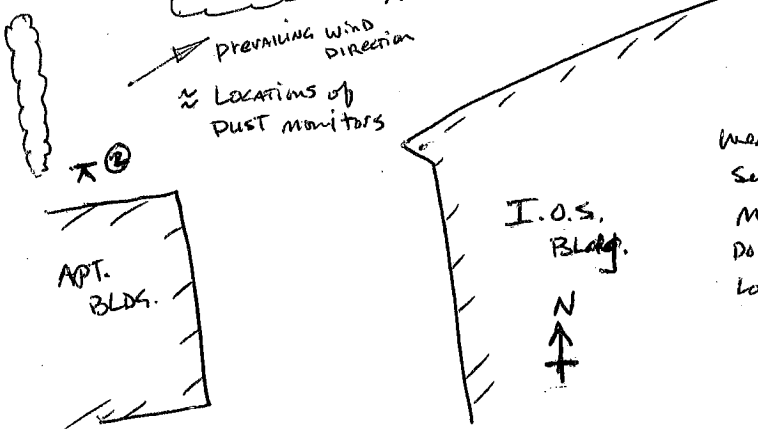
*If No, provide comments

DESCRIPTION OF DAILY WORK PERFORMED

- Dismantled the shed in back of APT. Bldg.
- Received roll-offs - 2 TOTAL
- Received a back-hoe & KOBELCO, 80CS
- dug up & placed into roll off approx. 20 yds. of soil, etc. from berm area between parking lot & back yard of Apt. Bldg. Will continue w/ this tomorrow & may also start tomorrow on excavation behind Apt. bldg. But, still have some excavating to do yet on the berm (call this Western berm, vs. Northern berm w/ the trees along R.R. tracks)

OTHER SITE ACTIVITES

- Set up weather station ②① 1- downwind Dust monitor & ① ② 1- upwind monitor for Dust



Weather station ALSO set up w/ ① DUST Monitor AT THE DOWNWIND DUST MONITOR LOCATION

- The prevailing wind direction was To the EAST/NORTHEAST ALL DAY. Typically calm wind w/ gusts up to 7mph.

CHANGES / REVISIONS / MODIFICATIONS TO DESIGN:

Where changes documented on marked up drawings? Yes ( ) No ( ) (N/A) ✓

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-3-14 **Initials:** TDL

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

BRANDON SHAW offsite @ 10:28 - heading back to Portland, ME

PERSONNEL ON SITE:

Name	Company Representing	Reason Onsite	Hours Onsite
Tom Longley	AMEC	Oversight	07:00 → 15:30
Brandon Shaw	AMEC	"	(TDL) ~~SAME~~ 07:00 → 10:28
Thomas Giamichael	AZTEC	EXCAVATE	SAME
Lewis Gelinas	AZTEC	"	SAME

NOTE: Kobelco arrived @ 08:20

EQUIPMENT ONSITE:

Equipment	Hrs.	Equipment	Hrs.	Equipment	Hrs.	Equipment	Hrs.
· Roll offs (3)	—						
· Bobcat: T-300	8						
· Support pickup	8						
· Kobelco - 80CS	7 (given)						

1 – Active Equipment 2 – Inactive Equipment

MATERIALS DELIVERED TO THE SITE:

Material	Daily Quantity (tons)	Total Quantity (tons)
(Roll off - yesterday: 40 yard capacity)	—	—
· Kobelco 80CS - Hoe - Today	—	—
· 2 Roll offs - Today (2x20yd. each)		

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-3-14 **Initials:** TDL

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

SITE WASTE TRANSPORTATION/DISPOSAL PRODUCTION: Nothing removed from site today

Waste Stream	Method of Transport	Estimated Volume	Running Total (est.)	Disposal Facilities	
				Haz Soil	Non-Haz Soil
SOIL & SOLID WASTE	ROLL-OFFS	1-10yard	9	—	—
MOSTLY SOIL	1-20 yard roll off	20 yards	20	—	—

PROJECT SCHEDULE ITEMS / ISSUES:

- Filled 1-20 yd. roll off w/ soil & SOLID WASTE TODAY 6-3-14
- FILLED 1-10 yd. roll off w/ SOLID WASTE yesterday
- Nothing has been taken off site as of yet.

ITEMS OF CONCERN:

- Clean EARTH had originally TOLD AZTECH OK TO LOAD SOIL FOR OFFSITE TRANSPORT, BUT Today called AZTECH & said that would not be able to transport off-site until later in this week. As a result, we will have to stock-pile roll-offs on site. At end of today, we have 1-10 yd. roll-off that is Full, 1-20yd. Roll-off that is Full & 1-20 yd. roll-off that is empty

INTERACTIONS WITH SITE OWNER, PUBLIC, TOWN:

Industrial Overall Services Inc. very cooperative. Martin is very helpful & has no concerns, issues with our work to-date

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-3-14 **Initials:** TDL

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

SAMPLES COLLECTED/ANALYSIS REQUESTED/TURN AROUND TIME:

None collected today

LIST OF ATTACHMENTS TO THIS REPORT: (sketches, photo log, drawing markups, Chain of Custody Record) only other items beside this report is a field notebook & photographs captured w/ a FujiFilm Digital camera, model XP, from FOS. ALL photos will be downloaded and placed in the photo directory for the job

DAILY PHOTO LOG: - See attached photo log

Photo ID	Description
See download	• On 6-2-14, took 3 still photos of Backyard of Apt. Building # 2
#1135/1136/1137/1138/1139	videos of the back yard as well.
~~See download~~ (TDL)	
• Today, Photo Numbers	Todays photos are of the equipment on site; dismantely of shed, delivery
of 1140 to 1159	of roll-offs & excavation of soils. All photos have date & time stamps
(16 total photos 6-3-14)	on them for review purposes

ON-SITE OVESIGHT REPRESENTATIVE (Mactec Engineering & Consulting, P.C. Site representative):

Name: (printed) Thomas D. Longley

Name: (signature) Thomas D. Longley Date: 6-3-14

Checked: C. Stapler - 7-15-14

cc: Jean Firth –Mactec, P.C. Portland

Attachment 1 – Soil Removal IRM Photographic Log

Client: NYSDEC	***Project Number:*** 3612112221
Site Name: Industrial Overall Services	***Site Location:*** New Rochelle, New York.

Photographer:
Tom Longley

Date:
June 3, 2014

Photograph: 1

Direction:
North -toward Loc B shed

Description:
Clearing soil off pavement on western. removal

Photographer:
Tom Longley

Date:
June 3, 2014

Photograph: 2

Direction:
West

Description:
Clearing soil off pavement on western. Removal; Trash in drums.

Attachment 1 – Soil Removal IRM Photographic Log

Client:	NYSDEC	***Project Number:***	3612112221
Site Name:	Industrial Overall Services	***Site Location:***	New Rochelle, New York.

Photographer:
Tom Longley

Date:
June 3, 2014

Photograph: 3

Direction:
East

Description:
Upwind VOC and Dust Monitoring set up

Photographer:
Tom Longley

Date:
June 3, 2014

Photograph: 4

Direction:
North

Description:
Weather Station

Attachment 1 – Soil Removal IRM Photographic Log

Client:	NYSDEC	***Project Number:***	3612112221
Site Name:	Industrial Overall Services	***Site Location:***	New Rochelle, New York.

Photographer: Tom Longley ***Date:*** June 3, 2014 ***Photograph:*** 5 ***Direction:*** South ***Description:*** Down Wind Monitor – 14 Bartels	
Photographer: Tom Longley ***Date:*** June 3, 2014 ***Photograph:*** 6 ***Direction:*** North ***Description:*** 14 Bartels-Shed-before moving.	

Attachment 1 – Soil Removal IRM Photographic Log

Client:	NYSDEC	***Project Number:***	3612112221
Site Name:	Industrial Overall Services	***Site Location:***	New Rochelle, New York.

Photographer: Tom Longley ***Date:*** June 3, 2014 ***Photograph:*** 7 ***Direction:*** Southwest ***Description:*** Shed taken down and stored.	
Photographer: Tom Longley ***Date:*** June 3, 2014 ***Photograph:*** 8 ***Direction:*** West ***Description:*** 14 Bartels-Original shed base – rotted – not used again.	

Attachment 1 – Soil Removal IRM Photographic Log

Client:	NYSDEC	***Project Number:***	3612112221
Site Name:	Industrial Overall Services	***Site Location:***	New Rochelle, New York.

Photographer:
Tom Longley

Date:
June 3, 2014

Photograph: 9

Direction:
East

Description:
Western Soil/Debris Pile – being cleared

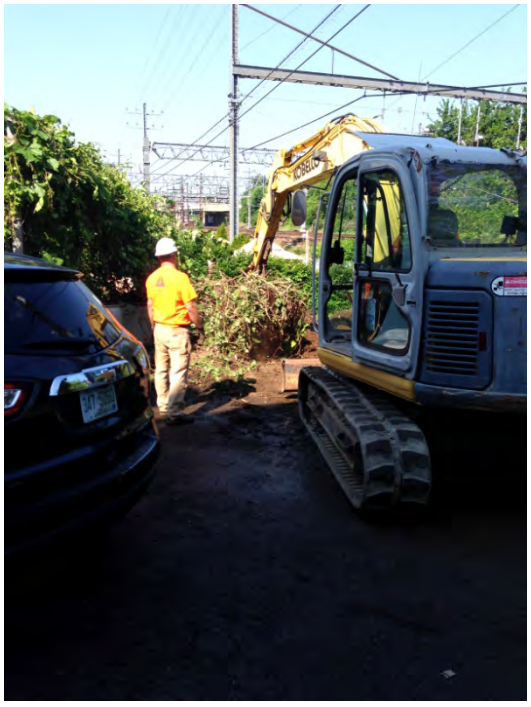
Photographer:
Tom Longley

Date:
June 3, 2014

Photograph: 10

Direction:
West

Description:
Clearing brush and soil from western Debris Pile



DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: 3 (~~Daily Observation Report No. – Days from NTP~~)

Mactec PC Project No.: 3612112221.05.01

Date: 6-4-14 **Initials:** TDL

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

NYSDEC Engineer / Contractor: Mactec Engineering & Consulting, P.C. (MACTEC)

NYSDEC Call Out Contractor: Aztech Technologies, Inc.

Client/Project: NYSDEC – Industrial Overall Site 360109

Address: 10 Bartel's Place, New Rochelle, NY

08:41

Temperature (F): 66 (am) 90 (pm)

Weather: (am) overcast, light mist early, then sunny (pm) Clear, hot

Arrived at site: 0700 Departed from site: 1605

HEALTH & SAFETY:

Tailgate Safety Briefing held? Yes (✓) No ( )

Conducted By: Tom Longley

Topics Covered:	Potential Hazards:	Methods to Control Hazard:	PPE Required:
Stay Hydrated	dehydration	take breaks often; drink H_2O	Level D
Schedule need not be hasty	go slow & safe	measured speed to work	↓
Proper PPE	head, eye damage	wear PPE	↓
If lightening, STOP	electrocution	be weather observant	↓

Are there any changes to the Health & Safety Plan? Yes ( ) No (✓)

(If yes, list the deviation under items for concern)

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. -- Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-4-14 **Initials:** TDL

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

Are H&S monitoring results acceptable?	- Soils:	Yes (✓)	N/A ( )	*No ( )
	- Waters:	Yes ( )	N/A (✓)	*No ( )
	- Air:	Yes (✓)	N/A ( )	*No ( )

**If No, provide comments*

DESCRIPTION OF DAILY WORK PERFORMED

- EXCAVATED minimal Amount of soil : concentrated on Far West & North Portion of the large EXCAVATION – Took this down to final depth (slightly into water) & are working towards the EAST in the process, coming progressively up (shallower) in the process
- OP TECH arrives to clean out FRAC. TANK. This TANK was taken off site @ ~ 15:20 TOTAL of ½ drum of water w/ v. little sludge in bottom of TANK
- 1- 10 Cu. yard roll-off w/ SOLID Waste removed from site & brought back on when empty
- hydraulic hose on back-hoe broke: down time to fix this.
- Secured site w/ fencing & plastic at end of day

OTHER SITE ACTIVITES

- Received 1- 30 yd. Roll-off
- OP TECH cleaned out FRAC. TANK : good to be taken off-Site: cleaning of FRAC. TANK produced only ½ barrel of water w/ tr. Sludge (TRACE)
- 1- 10 C. yard Roll-off w/ SOLID WASTE (stumps, metal, wood, brush, etc.) taken off site, dumped & brought back in site

CHANGES / REVISIONS / MODIFICATIONS TO DESIGN:

Where changes documented on marked up drawings? Yes ( ) No (✓)

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-4-14 **Initials:** TDL

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

PERSONNEL ON SITE:

Name	Company Representing	Reason Onsite	Hours Onsite
Tom Longley	AMEC / MACTEC	Oversight	8
Tom Giannichael	AZTECH	EXCAVATION CREWS	8
Lewis Gelinas	AZTECH	" "	8
KEN McHALE	Metro North	touch base about upcoming tree cutting	~1.5
Scott DeYette	NYSDEC	oversight	~2.8

EQUIPMENT ONSITE:

	Equipment	Hrs.	~~Equipment~~	~~Hrs.~~	~~Equipment~~	~~Hrs.~~	~~Equipment~~	~~Hrs.~~
1-	Kobelco - 80CS	8	← this backhoe needed to have hydraulic hose repaired					
1-	Bobcat - T300	8						
1-	1-Support Pickup	8						

1 – Active Equipment 2 – Inactive Equipment

MATERIALS DELIVERED TO THE SITE:

Material	Daily Quantity (tons)	Total Quantity (tons)
1-10 C.yard Roll-off	—	—
1-30 Cu. yard Roll-off	—	—

↔ SAME roll-off that was emptied & brought back on-site; for SOLID WASTE & not soil

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-4-14 **Initials:** TDL

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

SITE WASTE TRANSPORTATION/DISPOSAL PRODUCTION:

Waste Stream	Method of Transport	Estimated Volume	Running Total (est.)	Disposal Facilities	
				Haz Soil	Non-Haz Solid Waste Soil
1-10 cubic yard Solid Waste	Suburban Carting Co.	10 yds	10	—	Mamaroneck

PROJECT SCHEDULE ITEMS / ISSUES:

- Big issue is soil not being taken off in timely manner: Clean Earth still has not gotten/given OK to haul soil off-site
- This impacts excavation schedule in a big way: no place to put Roll-offs for excavated soil, so no excavating being done

ITEMS OF CONCERN:

See above:

We may have to leave site early this week if soil cannot be taken off-site: will shut down the operation because we need to keep access available for tree removal to be done next week.

INTERACTIONS WITH SITE OWNER, PUBLIC, TOWN:

- Metro North w/ Ken McHALE only
- plan to meet w/ ALFonso Hernandez tomorrow morning to discuss activities in his back yard, his shed, etc.

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-4-14 **Initials:** TDL

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

SAMPLES COLLECTED/ANALYSIS REQUESTED/TURN AROUND TIME:

None today

LIST OF ATTACHMENTS TO THIS REPORT: (sketches, photo log, drawing markups, Chain of Custody Record) See photos in site directory
- took 1- video of site toward end of day
- took 7 photos of site activities

DAILY PHOTO LOG: See attached photo log of select photos.

Photo ID	Description
See Site Directory for photo log & photos	

ON-SITE OVESIGHT REPRESENTATIVE (Mactec Engineering & Consulting, P.C. Site representative):

Name: (printed) Thomas D. Longley

Name: (signature) Thomas D. Longley Date: 6-4-14

Checked - C Stapler 7-15-14

cc: Jean Firth –Mactec, P.C. Portland

Attachment 1 – Soil Removal IRM Photographic Log

Client: NYSDEC	***Project Number:*** 3612112221
Site Name: Industrial Overall Services	***Site Location:*** New Rochelle, New York.

Photographer:
Tom Longley

Date:
June 3, 2014

Photograph: 1

Direction:
North -toward Loc B shed

Description:
Clearing soil off pavement on western. removal

Photographer:
Tom Longley

Date:
June 3, 2014

Photograph: 2

Direction:
West

Description:
Clearing soil off pavement on western. Removal; Trash in drums.

Attachment 1 – Soil Removal IRM Photographic Log

Client:	NYSDEC	***Project Number:***	3612112221
Site Name:	Industrial Overall Services	***Site Location:***	New Rochelle, New York.

Photographer:
Tom Longley

Date:
June 3, 2014

Photograph: 3

Direction:
East

Description:
Upwind VOC and Dust Monitoring set up

Photographer:
Tom Longley

Date:
June 3, 2014

Photograph: 4

Direction:
North

Description:
Weather Station

Attachment 1 – Soil Removal IRM Photographic Log

Client:	NYSDEC	***Project Number:***	3612112221
Site Name:	Industrial Overall Services	***Site Location:***	New Rochelle, New York.

Photographer: Tom Longley ***Date:*** June 3, 2014 ***Photograph:*** 5 ***Direction:*** South ***Description:*** Down Wind Monitor – 14 Bartels	
Photographer: Tom Longley ***Date:*** June 3, 2014 ***Photograph:*** 6 ***Direction:*** North ***Description:*** 14 Bartels-Shed-before moving.	

Attachment 1 – Soil Removal IRM Photographic Log

Client:	NYSDEC	***Project Number:***	3612112221
Site Name:	Industrial Overall Services	***Site Location:***	New Rochelle, New York.

Photographer: Tom Longley ***Date:*** June 3, 2014 ***Photograph:*** 7 ***Direction:*** Southwest ***Description:*** Shed taken down and stored.	
Photographer: Tom Longley ***Date:*** June 3, 2014 ***Photograph:*** 8 ***Direction:*** West ***Description:*** 14 Bartels-Original shed base – rotted – not used again.	

Attachment 1 – Soil Removal IRM Photographic Log

Client:	NYSDEC	***Project Number:***	3612112221
Site Name:	Industrial Overall Services	***Site Location:***	New Rochelle, New York.

Photographer:
Tom Longley

Date:
June 3, 2014

Photograph: 9

Direction:
East

Description:
Western Soil/Debris Pile – being cleared

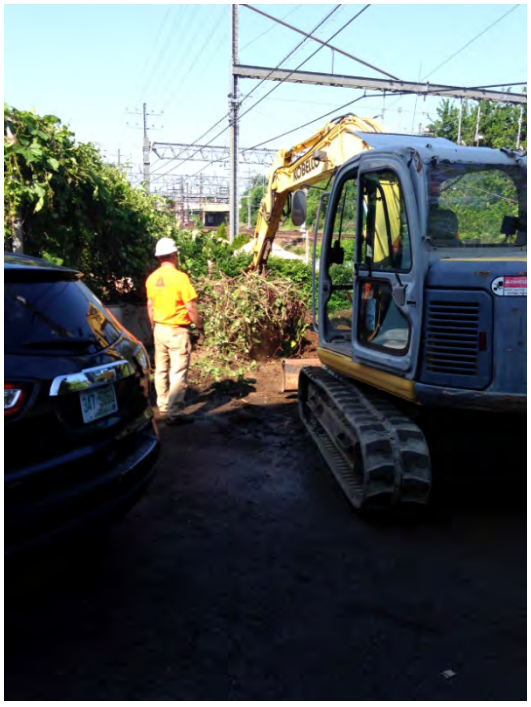
Photographer:
Tom Longley

Date:
June 3, 2014

Photograph: 10

Direction:
West

Description:
Clearing brush and soil from western Debris Pile



DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: 4 (~~* Daily Observation Report No. = Days from NTP~~)

Mactec PC Project No.: 3612112221.05.01

Date: 6-5-14 **Initials:** JDL

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

NYSDEC Engineer / Contractor: Mactec Engineering & Consulting, P.C. (MACTEC)

NYSDEC Call Out Contractor: Aztech Technologies, Inc.

Client/Project: NYSDEC – Industrial Overall Site 360109

Address: 10 Bartel's Place, New Rochelle, NY

Temperature (F): 70's (am) — (pm)

Weather: (am) Rain (pm) —

Arrived at site: 06:45 Departed from site: 0835

HEALTH & SAFETY:

Tailgate Safety Briefing held? Yes ( ) No (✓)

Conducted By: —

Topics Covered:	Potential Hazards:	Methods to Control Hazard:	PPE Required:
N/A			

Are there any changes to the Health & Safety Plan? Yes ( ) No (✓)

(If yes, list the deviation under items for concern)

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-5-14 **Initials:** JDF

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

Are H&S monitoring results acceptable?	- Soils: Yes ( )	N/A (✓)	*No ( )
	- Waters: Yes ( )	N/A (✓)	*No ( )
	- Air: Yes ( )	N/A (✓)	*No ( )

**If No, provide comments*

DESCRIPTION OF DAILY WORK PERFORMED

- Steady, moderate rain today
- due to inability of roll-off contractor to pick-up full containers, decide to demobilize from Site early today: NO empty roll-offs on-site or to be delivered, so go home & come back next week.
- AZTECH meets w/ owner of apartment bldg. w/ who abuts the excavation, MR. Hernandez: they agree to where the shed will go after excavation & backfilling will be done.

OTHER SITE ACTIVITES

- Plan for tree removal to be performed next week

CHANGES / REVISIONS / MODIFICATIONS TO DESIGN:

Where changes documented on marked up drawings? Yes ( ) No (✓)

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-5-14 **Initials:** JNJ

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

PERSONNEL ON SITE:

Name	Company Representing	Reason Onsite	Hours Onsite
Tom Longley	MACTEC	oversight	06:45 → 08:35
Tom Giamichael	AZTECH	Excavation mgr.	0700 → ?
Lewis Gelinas	AZTECH	Excavator/Laborer	0700 → ?

EQUIPMENT ONSITE:

Equipment	Hrs.	Equipment	Hrs.	Equipment	Hrs.	Equipment	Hrs.
Kobelco - 80CS	~8						
Bobcat - T300	~7						
1-Support Pickup	~7						

1 – Active Equipment 2 – Inactive Equipment

MATERIALS DELIVERED TO THE SITE:

Material	Daily Quantity (tons)	Total Quantity (tons)
N/A		

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. -- Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-5-14 **Initials:** JBF

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

SITE WASTE TRANSPORTATION/DISPOSAL PRODUCTION:

Waste Stream	Method of Transport	Estimated Volume	Running Total (est.)	Disposal Facilities	
				Haz Soil	Non-Haz ~~Soil~~ Waste
* planned Removal of 10 C.y. roll-off -wood / trash Removed after T. Lowby off-site	· Truck	10 cy			MAMARONECK

PROJECT SCHEDULE ITEMS / ISSUES:

. Inability of removing/delivering Roll-offs in timely manner is an issue & affects job performance. Hopefully this will be resolved next week.

ITEMS OF CONCERN:

1. See above
2. Tree Removal: Training & actual tree removal planned for Monday of next week.

INTERACTIONS WITH SITE OWNER, PUBLIC, TOWN:

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-5-14 **Initials:** TDF

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

SAMPLES COLLECTED/ANALYSIS REQUESTED/TURN AROUND TIME:

N/A

LIST OF ATTACHMENTS TO THIS REPORT: (sketches, photo log, drawing markups, Chain of Custody Record)

DAILY PHOTO LOG:

Photo ID	Description
photos taken	will be placed into project Directory
	No photos today - no work

ON-SITE OVESIGHT REPRESENTATIVE (Mactec Engineering & Consulting, P.C. Site representative):

Name: (printed) Thomas D. Lyley

Name: (signature) Thomas D. Lyley Date: _____

Checked: C Stapler 7-15-14

cc: Jean Firth –Mactec, P.C. Portland

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: 5 (~~*Daily Observation Report No.—Days from NTP~~)

Mactec PC Project No.: 3612112221.05.01

Date: 6-9-14 **Initials:** TDL

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

NYSDEC Engineer / Contractor: Mactec Engineering & Consulting, P.C. (MACTEC)

NYSDEC Call Out Contractor: Aztech Technologies, Inc.

Client/Project: NYSDEC – Industrial Overall Site 360109

Address: 10 Bartel's Place, New Rochelle, NY

Temperature (F): 68 (am) 67 (pm)

Weather: (am) RAIN (pm) MISTY

Arrived at site: 13:15 Departed from site: 16:45

HEALTH & SAFETY:

Tailgate Safety Briefing held? Yes ( ) No (✓)

Conducted By: —

Topics Covered:	Potential Hazards:	Methods to Control Hazard:	PPE Required:
N/A			
TREE CUTTERS ON SITE AFTER SAFETY TRAINING AT MNRR OFFICE IN MAMARONECK			
from 11:00 TO ~12:45			
TREE CUTTING CREW PERFORMED PLAN OF ATTACK PRIOR TO INITIATING			
WORK.			

Are there any changes to the Health & Safety Plan? Yes ( ) No (✓)

(If yes, list the deviation under items for concern)

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-9-14 **Initials:** TDL

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

Are H&S monitoring results acceptable?

- Soils: Yes ( ) N/A (✓) *No ( )
- Waters: Yes ( ) N/A (✓) *No ( )
- Air: Yes ( ) N/A (✓) *No ( )

HEAVY RAIN IN A.M. & V. HUMID/MISTY IN PM – NO MONITORING, *If No, provide comments*

DESCRIPTION OF DAILY WORK PERFORMED

Performed

- AFTER MNRR SAFETY TRAINING, TREES ON NORTH BERM WERE TAKEN DOWN- THIS IS THE EXTENT OF WORK performed today. ALL TREES WERE REMOVED, CHIPPED up, & TAKEN OFF SITE

OTHER SITE ACTIVITES

NONE

CHANGES / REVISIONS / MODIFICATIONS TO DESIGN:

Where changes documented on marked up drawings? Yes ( ) No (✓)

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. -- Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-9-14 **Initials:** CRI for TDL

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

PERSONNEL ON SITE:

Name	Company Representing	Reason Onsite	Hours Onsite
SEE DAILY PERSONNEL LOG-IN SHEET : TOTAL OF ~14 people on SITE			INCLUDING:
2:	AMEC	T. Langley ; B. SHAW	
1:	NYSDEC	S. D EYETTE	
4:	MNRR	B. STROMAN, S. GUZMAN, L. DURESH,	R. MANCINI
3:	AZTECH	T. GIAMICHAEL, J. NATALE, L. GELINAS	
4:	BENNY TREE SERVICE	B. RIVERA, G. GARCIA, H, ACEVEDO, A (?)	RIVERA
	ALL ON SITE FROM ~ 13:15	TO ~16:00	

EQUIPMENT ONSITE:

Equipment	Hrs.	Equipment	Hrs.	Equipment	Hrs.	Equipment	Hrs.
TREE CUTTERS:	14:00 – 16:30						
TRUCK	"						
CHIPPER	"						
AZTECH	—						
HOE	—						
BOBCAT	—						

1 – Active Equipment 2 – Inactive Equipment

MATERIALS DELIVERED TO THE SITE:

Material	Daily Quantity (tons)	Total Quantity (tons)
N/A		

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-9-14 **Initials:** TDL

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

SITE WASTE TRANSPORTATION/DISPOSAL PRODUCTION:

Waste Stream	Method of Transport	Estimated Volume	Running Total (est.)	Disposal Facilities	
				Haz Soil	Non-Haz Soil
N/A					

PROJECT SCHEDULE ITEMS / ISSUES:

With the North berm cleared of trees, contouring of this area will proceed tomorrow. With this done, can concentrate on the excavating portion of work. Schedule looks good based on progress of today's work.

ITEMS OF CONCERN:

N/A

INTERACTIONS WITH SITE OWNER, PUBLIC, TOWN:

Good Interactions w/ MNRR personnel

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-9-14 **Initials:** TDL

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

SAMPLES COLLECTED/ANALYSIS REQUESTED/TURN AROUND TIME:

N/A

LIST OF ATTACHMENTS TO THIS REPORT: (sketches, photo log, drawing markups, Chain of Custody Record)

Took pictures

DAILY PHOTO LOG: Photo log of select photos attached

Photo ID	Description
	See directory for photo documentation

ON-SITE OVESIGHT REPRESENTATIVE (Mactec Engineering & Consulting, P.C. Site representative):

Name: (printed) Thomas D. Longley

Name: (signature) Thomas D. Longley Date: 6-9-14

checked C Stopler 7-15-14

cc: Jean Firth –Mactec, P.C. Portland

Attachment 1 – Soil Removal IRM Photographic Log

Client:	NYSDEC	***Project Number:***	3612112221
Site Name:	Industrial Overall Services	***Site Location:***	New Rochelle, New York.

Photographer: Tom Longley ***Date:*** June 9, 2014 ***Photograph:*** 1 ***Direction:*** West ***Description:*** Benny's Tree Service Truck	
Photographer: Tom Longley ***Date:*** June 9, 2014 ***Photograph:*** 2 ***Direction:*** North – from IOS stairway towards Loc B shed ***Description:*** Tree Service Truck for wood chips (western soil removal on left)	

Attachment 1 – Soil Removal IRM Photographic Log

Client:	NYSDEC	***Project Number:***	3612112221
Site Name:	Industrial Overall Services	***Site Location:***	New Rochelle, New York.

Photographer:
Tom Longley

Date:
June 9, 2014

Photograph: 3

Direction:
Northeast
Towards Centre Ave

Description:
Removing trees
Along railroad lines.

Photographer:
Tom Longley

Date:
June 9, 2014

Photograph: 4

Direction:
South

Description:
Chipper disposing of cut trees.

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: 6 (~~* Daily Observation Report No. = Days from NTP~~)

Mactec PC Project No.: 3612112221.05.01

Date: 6-10-14 **Initials:** TDL

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

NYSDEC Engineer / Contractor: Mactec Engineering & Consulting, P.C. (MACTEC)

NYSDEC Call Out Contractor: Aztech Technologies, Inc.

Client/Project: NYSDEC – Industrial Overall Site 360109

Address: 10 Bartel's Place, New Rochelle, NY

Temperature (F): 73 (am) 75 (pm)

Weather: (am) Showers, Humid (pm) Showers, Humid

Arrived at site: 07:00 Departed from site: 17:50

HEALTH & SAFETY:

Tailgate Safety Briefing held? Yes (✓) No ( )

Conducted By: Tom Longley

Topics Covered:	Potential Hazards:	Methods to Control Hazard:	PPE Required:
Be aware	due to people, people hazards	STOP, Look, Listen	Level D
RAIN	slickens up surfaces	assume slippery, be cautious	↓
Slip, Trip, Fall	bodily injury	go slow, Think twice - act once	
ORDER of Work	small space to work	orderly work allows good process	
R.R. proximity	R.R. Hazards	Always obey Flagman	
Work IN RAIN, but not lightning	electrocution	stop if hear lightening	✓

Are there any changes to the Health & Safety Plan? Yes ( ) No (✓)

(If yes, list the deviation under items for concern)

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-10-14 **Initials:** TDL

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

Are H&S monitoring results acceptable?

- Soils: Yes (✓) N/A ( ) *No ( )
- Waters: Yes ( ) N/A (✓) *No ( )
- Air: Yes ( ) N/A ( ) *No (✓) Rain did not allow dust monitoring but, because of rain, very minimal dust

*If No, provide comments

DESCRIPTION OF DAILY WORK PERFORMED

- Take out stumps in North berm area
- Place soil in Roll-offs & segregate solid waste for different waste stream - solid waste goes into 10 cy roll-off & soil into 20 or 30 cy roll-offs
- Focus was on N. Berm all day: removing soil to obtain grades of plans

OTHER SITE ACTIVITES

- Brendan on-site to sample wells
- Brendan & Tom spent afternoon soil sampling 6 locations around "Loc B" building from 0' TO ~5' bgs according to work plan

CHANGES / REVISIONS / MODIFICATIONS TO DESIGN:

Where changes documented on marked up drawings? Yes ( ) No (✓)

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-10-14 **Initials:** TDL

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

PERSONNEL ON SITE:

Name	Company Representing	Reason Onsite	Hours Onsite
Tom Longley	MACTEC	oversight	8 + (0700 → 17:50)
Brandon Shaw	MACTEC	oversight	8 + " "
Lewis Gelinas	AZTECH	operator/Loader	8 + (0715 → 1530)
Tom Giamichael	AZTECH	foreman	8 + " "
Scott Deyette	NY DEC	oversight	0740 → 13:10
John Lee	MNRR	~~AAA~~ Flagman	0804 → 17:35
Ken McHale	MNRR	OPERATIONS - H&S	1500 → 16:00
~~Larry~~ Brian Balser	AZTECH	P.M.	0930 → ~11:00
Larry De Resh	MNRR	P.M.	

EQUIPMENT ONSITE:

Equipment	Hrs.	~~Equipment~~	Hrs.	Equipment	Hrs.	Equipment	Hrs.
KoBelco 80CS		All Day					
Bobcat 7300		All Day					

1 – Active Equipment 2 – Inactive Equipment

MATERIALS DELIVERED TO THE SITE:

Material	Daily Quantity (tons)	Total Quantity (tons)
• pump & Generator (AZTECH)		
• 10 C.yd. Roll-off : solid waste holder		

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-10-14 **Initials:** TDL

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

SITE WASTE TRANSPORTATION/DISPOSAL PRODUCTION:

Waste Stream	Method of Transport	Estimated Volume	Running Total (est.)	Disposal Facilities	
				Haz Soil	Non-Haz Soil
N/A today					

PROJECT SCHEDULE ITEMS / ISSUES:

- Clean EARTH impacting work schedule: Very uncooperative in bringing in empty roll-offs & taking away full roll-offs. Very limited work due to this holdup.

ITEMS OF CONCERN:

. The lack of delivery & ~~off~~ taking off S.T the roll-offs

INTERACTIONS WITH SITE OWNER, PUBLIC, TOWN:

. MN RR PM Ken McHale: appears OK w/ production

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-10-14 **Initials:** TDL

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

SAMPLES COLLECTED/ANALYSIS REQUESTED/TURN AROUND TIME:

- Only GW & Soils collected by Brandon as part of Site characterization which is on going

LIST OF ATTACHMENTS TO THIS REPORT: (sketches, photo log, drawing markups, Chain of Custody Record)

DAILY PHOTO LOG: See attached photos log of select photos.

Photo ID	~~Description~~
• See Directory for photos of site;	
• Took 1180 through 1186 for total of 7 pictures	

ON-SITE OVESIGHT REPRESENTATIVE (Mactec Engineering & Consulting, P.C. Site representative):

Name: (printed) Thomas D. Longley

Name: (signature) Thomas D. Longley Date: 6-10-14

Checked: C. Stapler - 7.15.14

cc: Jean Firth –Mactec, P.C. Portland

Attachment 1 – Soil Removal IRM Photographic Log

Client:	NYSDEC	***Project Number:***	3612112221
Site Name:	Industrial Overall Services	***Site Location:***	New Rochelle, New York.

Photographer:
Tom Longley

Date:
June 10, 2014

Photograph: 1

Direction:
South

Description:
14 Bartels – from tracks looking at excavation (Rain water from weekend).

Photographer:
Tom Longley

Date:
June 10, 2014

Photograph: 2

Direction:
Southeast

Description:
Removing debris and stumps from northern berm along RR line.

Attachment 1 – Soil Removal IRM Photographic Log

Client:	NYSDEC	***Project Number:***	3612112221
Site Name:	Industrial Overall Services	***Site Location:***	New Rochelle, New York.

Photographer:
Tom Longley

Date:
June 10, 2014

Photograph: 3

Direction:
Northeast

Description:
Regraded area, stumps removed - northern berm along RR line

Photographer:
Tom Longley

Date:
June 10, 2014

Photograph: 4

Direction:
Northeast

Description:
Debris and stumps removed from northern berm along RR line.

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: 7 (~~*-Daily-Observation-Report-No.—Days-from-NTP~~)

Mactec PC Project No.: 3612112221.05.01

Date: 6-11-14 **Initials:** TDL

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

NYSDEC Engineer / Contractor: Mactec Engineering & Consulting, P.C. (MACTEC)

NYSDEC Call Out Contractor: Aztech Technologies, Inc.

Client/Project: NYSDEC – Industrial Overall Site 360109

Address: 10 Bartel's Place, New Rochelle, NY

Temperature (F): 61 (am) 67 (pm)

Weather: (am) Cloudy, gusty, showers (pm) Cloudy, occ. showers

Arrived at site: 07:00 Departed from site: 15:20

HEALTH & SAFETY:

Tailgate Safety Briefing held? Yes (✓) No ( )

Conducted By: Tom Longley

Topics Covered:	Potential Hazards:	Methods to Control Hazard:	PPE Required:
• Slips, trips, falls	• Solid waste lying about	• be observant / clean up area	Level D
• Observe all people around equipment	• hitting someone w/ equip.	• be observant / stop, look, listen	↓
• be mindful of rain	• slippery / lightening	• Stop work until all clear	↓
• Stay hydrated	• health effects	• drink water / Gatorade	↓

Are there any changes to the Health & Safety Plan? Yes ( ) No (✓)

(If yes, list the deviation under items for concern)

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-11-14 **Initials:** TDL

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

Are H&S monitoring results acceptable?			
- Soils:	Yes (✓)	N/A ( )	*No ( )
- Waters:	Yes ( )	N/A (✓)	*No ( )
- Air:	Yes (✓)	N/A ( )	*No ( )

**If No, provide comments*

DESCRIPTION OF DAILY WORK PERFORMED

- Dewater the excavation: this is done w/ sump pump, water going through particulate filter first, then carbon unit second, then onto farmed area which leads off site to street gutter.
  pumped ~ 318 gallons followed by additional 99 gals. for total of 317 gallons
- Roll offs brought on site & some taken off site

Brought on-Site	Taken off-Site
• 20 cu. yd. # 206834	• 20 cy. yd. # 206816
• 20 cu. yd. # 206832	• 20 cu yd. # 206834
• 20 cu. yd. # 206866	• 30 cu yd. # 206825

- Build berm for deflection of rain water spillof excavation

OTHER SITE ACTIVITES

None

CHANGES / REVISIONS / MODIFICATIONS TO DESIGN:

Where changes documented on marked up drawings? Yes ( ) No (✓)

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-11-14 **Initials:** T.D.L.

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

PERSONNEL ON SITE:

Name	Company Representing	Reason Onsite	Hours Onsite
Tom Loyley	AMEC/MACTEC		0700 → 15:20
Jason Fernandez	MNRR	Flagger	0700 → 15:20
Tom Giannichael	AZTECH		0708 → 15:20
Lewis Gelinas	AZTECH		0708 → 15:20
Brandon Shaw	AMEC/MACTEC		0750 → 11:30
Larry DeResh	MNRR	R.R. PM for Site	10:55 → 11:20
—			
—			

EQUIPMENT ONSITE:

Equipment	Hrs.	Equipment	Hrs.	Equipment	Hrs.	Equipment	Hrs.
80CS Kobelco - hoe	ALL DAY - AZTECH						
Bobcat - T300	ALL DAY - AZTECH						
Support Truck	ALL DAY - AZTECH						
Roll-offs	—	—					
Water particulate filter							
Carbon Unit for water							

1 – Active Equipment 2 – Inactive Equipment

MATERIALS DELIVERED TO THE SITE:

Material	Daily Quantity (tons)	Total Quantity (tons)
*Empty Roll offs	—	—

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-11-14 **Initials:** TDL

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

SITE WASTE TRANSPORTATION/DISPOSAL PRODUCTION:

Waste Stream	Method of Transport	Estimated Volume Cu. yds.	Running Total (est.)	Disposal Facilities	
				Haz Soil	Non-Haz Soil
20 cu. yds. Soil	TRUCK TO clean EARTH	15-18			
20 cu. yds. Soil	" "	15-18			
30 cu. yds. Soil	" "	25-28			
Excavation water	- treated - on-site	317 gal/day	317	- treated to storm water	

PROJECT SCHEDULE ITEMS / ISSUES:

• Timely delivery & removal of Roll-offs still an issue

ITEMS OF CONCERN:

• More soil & solid waste taken from N. Berm than expected: may not affect total est. amounts too drastically

INTERACTIONS WITH SITE OWNER, PUBLIC, TOWN:

No issues.

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-11-14 **Initials:** TDL

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

SAMPLES COLLECTED/ANALYSIS REQUESTED/TURN AROUND TIME:

None collected

LIST OF ATTACHMENTS TO THIS REPORT: (sketches, photo log, drawing markups, Chain of Custody Record)

See project directory for photos

pics: 1187, 1188, 1189, 1192, 1193, 1194, 1195, 1196

videos: 1190, 1191

DAILY PHOTO LOG: Select photos in attached log.

Photo ID	Description
*took 8	photos of dewatering excavation; work @ N. Berm; temporary berm for Rain control @ Excavation
*took 2	videos of dewatering of excavation

ON-SITE OVESIGHT REPRESENTATIVE (Mactec Engineering & Consulting, P.C. Site representative):

Name: (printed) Thomas D. Longley

Name: (signature) Thos. D. Longley Date: 6-11-14

Checked by - CS Stopler - 7-15-14

cc: Jean Firth –Mactec, P.C. Portland

Attachment 1 – Soil Removal IRM Photographic Log

Client:	NYSDEC	***Project Number:***	3612112221
Site Name:	Industrial Overall Services	***Site Location:***	New Rochelle, New York.

Photographer:
Tom Longley

Date:
June 11, 2014

Photograph: 1

Direction:
West

Description:
Clearing soil off asphalt by western excavation – Loc B shed in background.

Photographer:
Tom Longley

Date:
June 11, 2014

Photograph: 2

Direction:
West

Description:
Continuing excavation behind 14 Bartels.

Attachment 1 – Soil Removal IRM Photographic Log

Client:	NYSDEC	***Project Number:***	3612112221
Site Name:	Industrial Overall Services	***Site Location:***	New Rochelle, New York.

Photographer: Tom Longley ***Date:*** June 11, 2014 ***Photograph:*** 3 ***Direction:*** West ***Description:*** Covered soil roll-offs on-site	
Photographer: Tom Longley ***Date:*** June 11, 2014 ***Photograph:*** 4 ***Direction:*** northeast ***Description:*** Northern excavation area – cleared off roots as part of regrading.	

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: 9 (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-12-14 **Initials:** TDL

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

NYSDEC Engineer / Contractor: Mactec Engineering & Consulting, P.C. (MACTEC)

NYSDEC Call Out Contractor: Aztech Technologies, Inc.

Client/Project: NYSDEC – Industrial Overall Site 360109

Address: 10 Bartel's Place, New Rochelle, NY

Temperature (F): 62 (am) 65 (pm)

Weather: (am) Breezy: predicted showers (pm) Showers

Arrived at site: 06:50 Departed from site: 18:00

HEALTH & SAFETY:

Tailgate Safety Briefing held? Yes (✓) No ( )

Conducted By: Tom Longley

Topics Covered:	Potential Hazards:	Methods to Control Hazard:	PPE Required:
• Typical Slip, Trip, Fall	• falls, injury	go slowly & carefully	level D
• weather	• lightening	stop work until clear	"
• people on foot	• hit by equip.	stop, look, listen	"
• rail road work	• hit by train	heed flagger	"

Are there any changes to the Health & Safety Plan? Yes ( ) No (✓)

(If yes, list the deviation under items for concern)

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-12-14 **Initials:** TDL

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

Are H&S monitoring results acceptable?	- Soils: Yes (✓)	N/A ( )	*No ( )
	- Waters: Yes ( )	N/A (✓)	*No ( )
	- Air: Yes (✓)	N/A ( )	*No ( )

If No, provide comments

DESCRIPTION OF DAILY WORK PERFORMED

- Take off site 10 cu.yd. solid waste roll off
- dewater excavation again: pumped out ~80 gallons total: through solid filter & carbon filter, prior to discharge to street gutter
- continue to excavate the large excavation & place soil into Roll-offs
- topsoil delivered & spread at N. Berm area
- North Berm area has been contoured, loamed, seeded & mulched; do not need flagger from MN RR on site after today
- Collected Documentation Samples (ALL 5 sidewall & 2 Bottom locations) from EXCAVATION

OTHER SITE ACTIVITES

None, other than following

Roll-offs Taken off-site

- 1 X 10 cy Roll off Solid ~~###~~ Mush

- PACE ANALYTICAL LAB Courier took Brandon's soil samples taken from around the LOC B building area

CHANGES / REVISIONS / MODIFICATIONS TO DESIGN:

Where changes documented on marked up drawings? Yes (✓) No ( )

NYSDEC wants documentation sample results prior to placement of backfill material: this differs from original plan of placement of backfill w/out regard to analytical results: need priority results of Documentation Samples for Monday June 16 to determine course of action at that point.

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-12-14 **Initials:** TDL

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

PERSONNEL ON SITE:

Name	Company Representing	Reason Onsite	Hours Onsite
Tom Longley	Amec / MACTEC	Oversight	06:50 → 18:00
Tom Giamichael	AZ TECH	Excavation, etc.	0705 → 15:56
Lewis GELINAS	AZ TECH	" "	0705 → 15:56
Roberto Mancini	MNRR	Flagger for R.R.	0800 → 15:29
Larry De Rosh	MNRR	MNRR P.M. 2-Short visits	

EQUIPMENT ONSITE:

Equipment	Hrs.	Equipment	Hrs.	Equipment	Hrs.	Equipment	Hrs.
Kobelco hoe - 80CS	ALL	day					
Bobcat - T300	ALL	Day					
Support Truck	ALL	Day					
Roll-offs	ALL	Day					

1 – Active Equipment 2 – Inactive Equipment

MATERIALS DELIVERED TO THE SITE:

Material	Daily Quantity (tons)	Total Quantity (tons)
~42 Tons of topsoil (42) Topsoil	42 (21.83)	42 (21.83)
empty Roll offs	—	—

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-13-14 **Initials:** TDL

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

SITE WASTE TRANSPORTATION/DISPOSAL PRODUCTION:

Waste Stream	Method of Transport	Estimated Volume	Running Total (est.)	Disposal Facilities	
				Haz Soil	Non-Haz Soil
• 10 cu yd Rolloff of Solid waste	Roll-off loaded on Truck	10 cu yd.		Non-haz.	10 cy. MANSFIELD
Excavation Water	Treated-onsite GAC	90 gallons		Storm Sewer	

PROJECT SCHEDULE ITEMS / ISSUES:

• NYSDEC wants to wait on documentation of sample results before backfilling of excavation can occur; this pushes out the schedule, especially if results are such that NYSDEC wants more material excavated.

ITEMS OF CONCERN:

• See above

INTERACTIONS WITH SITE OWNER, PUBLIC, TOWN:

None

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-12-14 **Initials:** TDL

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

SAMPLES COLLECTED/ANALYSIS REQUESTED/TURN AROUND TIME:

- 5 sidewall locations sampled at shallow & deeper depths for VOCs, Mod. Level 8260.
- 2 bottom excavation samples also collected for VOCs, Mod. Level 8260.

All samples requested ASAP analysis/turn-around: should be available by Monday June 16

LIST OF ATTACHMENTS TO THIS REPORT: (sketches, photo log, drawing markups, Chain of Custody Record)

- Sketches to be placed in project directory for sample locations & excavation limits

DAILY PHOTO LOG: See attached log for select photos

Photo ID	Description	pics	video
16 photos	days activities, COC/Analysis, Shipping info.		
2 videos	North Berm restoration & EXTENT of EXCAVATION	1197	1209
		1198	1210
all photos/videos	to be placed in project directory	1199 1200	
		1201-1205	
		1206 1207 1208 1211 1212 1213-1214	

ON-SITE OVESIGHT REPRESENTATIVE (Mactec Engineering & Consulting, P.C. Site representative):

Name: (printed) Thomas D. Longley

Name: (signature) Thos D. Longley Date: 6-12-14

Checked C. Stopler - 7-15-14

cc: Jean Firth –Mactec, P.C. Portland

Attachment 1 – Soil Removal IRM Photographic Log

Client:	NYSDEC	***Project Number:***	3612112221
Site Name:	Industrial Overall Services	***Site Location:***	New Rochelle, New York.

Photographer:
Tom Longley

Date:
June 12, 2014

Photograph: 1

Direction:
West

Description:
Excavated area behind 14 Bartels (western excavation)- prior to backfill.

Photographer:
Tom Longley

Date:
June 12, 2014

Photograph: 2

Direction:
North

Description:
Northern edge of western excavation – Loc B shed in background

Attachment 1 – Soil Removal IRM Photographic Log

Client:	NYSDEC	***Project Number:***	3612112221
Site Name:	Industrial Overall Services	***Site Location:***	New Rochelle, New York.

Photographer: Tom Longley ***Date:*** June 12, 2014 ***Photograph:*** 3 ***Direction:*** Southwest ***Description:*** Edge of IOS property – looking at excavation in backyard of 14 Bartels.	
Photographer: Tom Longley ***Date:*** June 12, 2014 ***Photograph:*** 4 ***Direction:*** South ***Description:*** Unloading of clean fill	

Attachment 1 – Soil Removal IRM Photographic Log

Client:	NYSDEC	***Project Number:***	3612112221
Site Name:	Industrial Overall Services	***Site Location:***	New Rochelle, New York.

Photographer: Tom Longley ***Date:*** June 12, 2014 ***Photograph:*** 5 ***Direction:*** West ***Description:*** Area along edge of tracks prior to regrading.	
Photographer: Tom Longley ***Date:*** June 12, 2014 ***Photograph:*** 6 ***Direction:*** West ***Description:*** Area along edge of tracks regraded with clean fill.	

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: 9 (~~Daily Observation Report No. = Days from NTP~~)

Mactec PC Project No.: 3612112221.05.01

Date: 6-13-14 **Initials:** TDL

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

NYSDEC Engineer / Contractor: Mactec Engineering & Consulting, P.C. (MACTEC)

NYSDEC Call Out Contractor: Aztech Technologies, Inc.

Client/Project: NYSDEC -- Industrial Overall Site 360109

Address: 10 Bartel's Place, New Rochelle, NY

Temperature (F): 64 (am) — (pm)

Weather: (am) RAIN (pm) —

Arrived at site: 0650 Departed from site: 0950

HEALTH & SAFETY:

Tailgate Safety Briefing held? Yes (✓) No ( )

Conducted By: T. Longley

Topics Covered:	Potential Hazards:	Methods to Control Hazard:	PPE Required:
• Slips, trips, falls	injury due to falls, etc.	Go slowly - Stop, look, listen	Level D
• Rain	lightening	Stop & re-assess	"

Are there any changes to the Health & Safety Plan? Yes (✓) No ( )

(If yes, list the deviation under items for concern)

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-13-14 **Initials:** TDL

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

Are H&S monitoring results acceptable?	- Soils: Yes (✓)	N/A ( )	*No ( )
	- Waters: Yes ( )	N/A (✓)	*No ( )
	- Air: Yes ( )	N/A (✓)	*No ( )

**If No, provide comments*

DESCRIPTION OF DAILY WORK PERFORMED

- Receive Roll-offs & take off-Site Roll-offs.
- Receive backfill material for excavation & stockpile this material
- tidy up the East side of excavation to the extent of blacktop
- place material/soil/plastic to divert rainwater from going into excavation over the week-end.

OTHER SITE ACTIVITES

—

CHANGES / REVISIONS / MODIFICATIONS TO DESIGN:

Where changes documented on marked up drawings? Yes (✓) No ( )

Waiting to backfill pending NYSDEC's go-ahead

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6/13/14 **Initials:** TDL

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

PERSONNEL ON SITE:

Name	Company Representing	Reason Onsite	Hours Onsite
Tom Lovley	AMEC/MACTEC	oversight	06:50 → 0950
Tom Giannichael	AZ TECH	excavation, etc.	06:55 → ?
Lewis Gelinas	AZTECH	" "	

EQUIPMENT ONSITE:

Equipment	Hrs.	Equipment	Hrs.	Equipment	Hrs.	Equipment	Hrs.
Kobelco hoe							
Bobcat							

1 – Active Equipment 2 – Inactive Equipment

MATERIALS DELIVERED TO THE SITE:

Material	Daily Quantity (tons)	Total Quantity (tons) (daily)
Backfill	19.58 1st load	19.58
Backfill	21.32 2nd load	21.32

T. Lovley leaves site prior to delivery of Second load

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-13-14 **Initials:** TDL

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

SITE WASTE TRANSPORTATION/DISPOSAL PRODUCTION:

Waste Stream	Method of Transport	Estimated Volume	Running Total (est.)	Disposal Facilities	
				Haz Soil	Non-Haz Soil / SOLID WASTE
SOLID WASTE (non-HAZ)	Truck	10 cu yd.		Clean EARTH	MANAHAWKIN
HAZ. Soil (#206846)	Truck	20 cu. yd.		N. JERSEY	
HAZ. Soil (#206846)	Truck	20 cy yd.		N. JERSEY	

PROJECT SCHEDULE ITEMS / ISSUES:

- Waiting word pending Analysis of Documentation Samples to either:
  1. ~~to~~ perform more excavation
  2. backfill of excavation hole

ITEMS OF CONCERN:

See above

INTERACTIONS WITH SITE OWNER, PUBLIC, TOWN:

None

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-13-14 **Initials:** TDL

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

SAMPLES COLLECTED/ANALYSIS REQUESTED/TURN AROUND TIME:

None

LIST OF ATTACHMENTS TO THIS REPORT: (sketches, photo log, drawing markups, Chain of Custody Record)

DAILY PHOTO LOG: See attached photo log.

Photo ID	Description
1215	1-picture: of backfill material
1216	1-video: of site conditions prior to T.L. leaving site

ON-SITE OVESIGHT REPRESENTATIVE (Mactec Engineering & Consulting, P.C. Site representative):

Name: (printed) Thomas D. Lyley

Name: (signature) Thomas D. Lyley Date: 6-13-14

Checked - C. Stapler - 7.15-14

cc: Jean Firth –Mactec, P.C. Portland

Attachment 1 – Soil Removal IRM Photographic Log

Client:	NYSDEC	***Project Number:***	3612112221
Site Name:	Industrial Overall Services	***Site Location:***	New Rochelle, New York.

Photographer:
Tom Longley

Date:
June 13, 2014

Photograph: 1

Direction:
North

Description:
Stock piled backfill (on pavement). Seeded and mulched north excavation in background.

Photographer:
Tom Longley

Date:
June 13, 2014

Photograph: 2

Direction:
West

Description:
Western excavation – Blocked off for weekend.

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: 10 (*Daily Observation Report No. – Days from NFP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-16-14 **Initials:** TDL

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

NYSDEC Engineer / Contractor: Mactec Engineering & Consulting, P.C. (MACTEC)

NYSDEC Call Out Contractor: Aztech Technologies, Inc.

Client/Project: NYSDEC – Industrial Overall Site 360109

Address: 10 Bartel's Place, New Rochelle, NY

Temperature (F): 77° (am) 78° (pm)

Weather: (am) Sunny, breezy (pm) PTLy. Sunny, breezy

Arrived at site: 11:45 Departed from site: 15:08

HEALTH & SAFETY:

Tailgate Safety Briefing held? Yes (✓) No ( )

Conducted By: Tom Longley

Topics Covered:	Potential Hazards:	Methods to Control Hazard:	PPE Required:
Hydration- Drinkfluw	Heat Prostration	Drink water/ Gatorade	Level D
STOP, look, Listen	Hitting Pedestrian Workers	Wear safety gear & be aware	"
Be aware of all sides of machinery	Hitting workers w/ machinery	Go slow & check prior to moving	"

Are there any changes to the Health & Safety Plan? Yes ( ) No (✓)

(If yes, list the deviation under items for concern)

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-16-14 **Initials:** T.D.L.

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

Are H&S monitoring results acceptable?	- Soils: Yes (✓)	N/A ( )	*No ( )
	- Waters: Yes ( )	N/A (✓)	*No ( )
	- Air: Yes (✓)	N/A ( )	*No ( )

**If No, provide comments*

DESCRIPTION OF DAILY WORK PERFORMED

- General housecleaning of soil stockpiles on site
- Waiting on results of Documentation samples to determine next order of work

OTHER SITE ACTIVITES

N/A

CHANGES / REVISIONS / MODIFICATIONS TO DESIGN:

Where changes documented on marked up drawings? Yes ( ) No (✓)

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. -- Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-16-14 **Initials:** T.D.L.

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

PERSONNEL ON SITE:

Name	Company Representing	Reason Onsite	Hours Onsite
Tom Longley	Mactec/Amec	Oversight	11:45 → 15:08
Tom Giamichael	AZTECH	Excavating manager	11:00 → 15:08
Lewis Gelinas	AZTECH	Worker, Equip. operator	11:00 → 15:08

EQUIPMENT ONSITE:

Equipment	Hrs.	Equipment	Hrs.	Equipment	Hrs.	Equipment	Hrs.
(2) Kobelco Hoe	—						
Bobcat T300	—						
Pick-up	—						

1 – Active Equipment 2 – Inactive Equipment

MATERIALS DELIVERED TO THE SITE:

Material	Daily Quantity (tons)	Total Quantity (tons)
N/A		

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: ~~6/14/14~~ 6-16-14 **Initials:** TDL

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

SITE WASTE TRANSPORTATION/DISPOSAL PRODUCTION:

Waste Stream	Method of Transport	Estimated Volume	Running Total (est.)	Disposal Facilities	
				Haz Soil	Non-Haz Soil
None Generated					

PROJECT SCHEDULE ITEMS / ISSUES:

Need good delivery of backfill & ~~delivery of~~ removal of soil ~~&~~ Roll-offs for the schedule to be maintained, all the remaining work is dependent on timely action of subcontractors.

ITEMS OF CONCERN:

- See above
- Results of Documentation Samples has potential large impact on where we go from here.

INTERACTIONS WITH SITE OWNER, PUBLIC, TOWN:

- None

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-16-14 **Initials:** TDL

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

SAMPLES COLLECTED/ANALYSIS REQUESTED/TURN AROUND TIME:

None

LIST OF ATTACHMENTS TO THIS REPORT: (sketches, photo log, drawing markups, Chain of Custody Record)

DAILY PHOTO LOG: See attached photo logs for select photos.

Photo ID	Description
1217	Shoring area near cyclone fence
1218	" " " " "

ON-SITE OVESIGHT REPRESENTATIVE (Mactec Engineering & Consulting, P.C. Site representative):

Name: (printed) Thomas D. Loyley

Name: (signature) Thos. D. Loyley Date: 6-16-14

Checked: C. Stapler - 7-15-14

cc: Jean Firth –Mactec, P.C. Portland

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: 11 (~~# Daily Observation Report No. – Days from NTP~~)

Mactec PC Project No.: 3612112221.05.01

Date: 6-17-14 **Initials:** JDF

Tuesday

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

NYSDEC Engineer / Contractor: Mactec Engineering & Consulting, P.C. (MACTEC)

NYSDEC Call Out Contractor: Aztech Technologies, Inc.

Client/Project: NYSDEC – Industrial Overall Site 360109

Address: 10 Bartel's Place, New Rochelle, NY

Temperature (F): 72° (am) 86° (pm)

Weather: (am) hazy sun (pm) Showers/humid

Arrived at site: 0645 Departed from site: 15:30

HEALTH & SAFETY:

Tailgate Safety Briefing held? Yes (✓) No ( )

Conducted By: ~~yes Tuesday~~

Topics Covered:	Potential Hazards:	Methods to Control Hazard:	PPE Required:
typical,			
Slips, trips, Falls,	Stay on alert for	equipment, check prior to act.	Level D

Are there any changes to the Health & Safety Plan? Yes ( ) No (✓)

(If yes, list the deviation under items for concern)

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-17-14 **Initials:** JDT

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

Are H&S monitoring results acceptable?	- Soils: Yes (✓)	N/A ( )	*No ( )
	- Waters: Yes ( )	N/A (✓)	*No ( )
	- Air: Yes (✓)	N/A ( )	*No ( )

*If No, provide comments

DESCRIPTION OF DAILY WORK PERFORMED

- Based on results of samples collected last week, collect additional documentation samples – 2 more of excavation, & 1-more surface soil, just west of Catenary Structure
- Place ~~poss~~ curbing along East side of excavation & tied into existing curbing along West chainlink fence of Site
- Begin backfilling of excavation: placed marker of red snow fence on bottom & sides of excavation prior to adding backfill.
- W/ hand tools, removed all visible dirt from W, S, & EAST sides of Catenary Structure.

OTHER SITE ACTIVITES

- Continue to deliver & remove roll-offs to/from site

CHANGES / REVISIONS / MODIFICATIONS TO DESIGN:

Where changes documented on marked up drawings? Yes ( ) No (✓)

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-17-14 **Initials:** JDJ

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

PERSONNEL ON SITE:

Name	Company Representing	Reason Onsite	Hours Onsite
Tom Longley	MACTEC	Oversight	06:45 → 15:30
Tom Giamichael	AZTECH	Excavation Foreman	0700 → ~15:15
Lewis Gelinas	AZTECH	Excavator/laborer	0700 → ~15:15
Larry DeRel	MNRR	check in -	0925 → 0934

EQUIPMENT ONSITE:

Equipment	Hrs.	Equipment	Hrs.	Equipment	Hrs.	Equipment	Hrs.
Kobelco Hoe	~						
Bobcat T300	~						
Pickup	~						

1 – Active Equipment 2 – Inactive Equipment

MATERIALS DELIVERED TO THE SITE:

Material	Daily Quantity (tons)	Total Quantity (tons)
Bank-run gravel: backfill	20.59 TONS	20.59
Asphalt - curbing		

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-17-14 **Initials:** JDJ

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

SITE WASTE TRANSPORTATION/DISPOSAL PRODUCTION:

Waste Stream	Method of Transport	Estimated Volume	Running Total (est.)	Disposal Facilities	
				Haz Soil	Non-Haz Soil
Excavated Material	Truck	20 C.y.	—	—	—
Taken to	Clean Earth facility in Northern N.J. for				
ovential	transport to Canada				
Excavation water	Treated. on-site w/GAC	300 gal		storm sewer	

PROJECT SCHEDULE ITEMS / ISSUES:

- Subcontractors finally coming Through:
  - Curbing crew on & off site - placed curbing
  - Waste being taken off-site

ITEMS OF CONCERN:

Nothing major to impact schedule

INTERACTIONS WITH SITE OWNER, PUBLIC, TOWN:

- MNRR - Jarry DeResh requests snow-fencing be placed at North Berm area to prevent direct access from site to the MNRR rail tracks - wants this snow fence left in place by AZTECH.

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-17-14 **Initials:** JDL

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

SAMPLES COLLECTED/ANALYSIS REQUESTED/TURN AROUND TIME:

3 Samples collected: (1) 360109-ESB0303 : midway between ESB02 & Catenary Structure of bottom of excavation: soil
(2) Second soil @ 360109-ESW0102: At original ESW01 location but at 2" further into banking towards tracks ; both for VOCs ; (3) 360109-ESS0100 of Surface soil next to & west of Catenary Structure after lint removed by AZTECH

LIST OF ATTACHMENTS TO THIS REPORT: (sketches, photo log, drawing markups, Chain of Custody Record)

photos & COCs will be placed into Project Directory

DAILY PHOTO LOG: See attached photo log.

Photo ID	Description

ON-SITE OVESIGHT REPRESENTATIVE (**Mactec Engineering & Consulting, P.C. Site representative**):

Name: (printed) Thomas D. Longley

Name: (signature) [signature] Date: 6·17·14

Checked – C. Stapler 7-15-14

cc: Jean Firth –Mactec, P.C. Portland

Attachment 1 – Soil Removal IRM Photographic Log

Client:	NYSDEC	***Project Number:***	3612112221
Site Name:	Industrial Overall Services	***Site Location:***	New Rochelle, New York.

Photographer:
Tom Longley

Date:
June 17, 2014

Photograph: 1

Direction:
West

Description:
Western excavation behind 14 Bartels – marker layer prior to backfill.

Photographer:
Tom Longley

Date:
June 17, 2014

Photograph: 2

Direction:
Southwest

Description:
Backfilling western excavation area.

Attachment 1 – Soil Removal IRM Photographic Log

Client:	NYSDEC	***Project Number:***	3612112221
Site Name:	Industrial Overall Services	***Site Location:***	New Rochelle, New York.

Photographer:
Tom Longley

Date:
June 17, 2014

Photograph: 3

Direction:
South

Description:
Clearing off asphalt by western excavation in preparation for laying curbing

Photographer:
Tom Longley

Date:
June 17, 2014

Photograph: 4

Direction:
South

Description:
Clearing off edge of Site parking lot in preparation for curbing.

Attachment 1 – Soil Removal IRM Photographic Log

Client:	NYSDEC	***Project Number:***	3612112221
Site Name:	Industrial Overall Services	***Site Location:***	New Rochelle, New York.

Photographer:
Tom Longley

Date:
June 17, 2014

Photograph: 5

Direction:
North

Description:
Western excavation prior to backfilling – Loc B shed in background – Catenary tower with power lines in center.

Photographer:
Tom Longley

Date:
June 17, 2014

Photograph: 6

Direction:
North

Description:
Area not touched – just north of western excavation – power lines on tower on right side of photo. (Sample Location ESS01 is small hole in center right of bank).

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: 12 (~~*Daily Observation Report No. – Days from NTP~~)

Mactec PC Project No.: 3612112221.05.01

Date: 6-18-14 **Initials:** JDZ

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

NYSDEC Engineer / Contractor: Mactec Engineering & Consulting, P.C. (MACTEC)

NYSDEC Call Out Contractor: Aztech Technologies, Inc.

Client/Project: NYSDEC – Industrial Overall Site 360109

Address: 10 Bartel's Place, New Rochelle, NY

Temperature (F): 84° (am) 90° (pm) (14:45)

Weather: (am) Sunny, hazy breezy (pm) Hazy sun, breezy

Arrived at site: 0710 Departed from site: 16:15

HEALTH & SAFETY:

Tailgate Safety Briefing held? Yes (✓) No ( )

Conducted By: Tom Longley

Topics Covered:	Potential Hazards:	Methods to Control Hazard:	PPE Required:
• Typical issues,			
slips, trips, falls			
• being attentive			
• watch for Thunder			
• Stay hydrated			

Are there any changes to the Health & Safety Plan? Yes ( ) No (✓)

(If yes, list the deviation under items for concern)

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. -- Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-18-14 **Initials:** JDF

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

Are H&S monitoring results acceptable?

- Soils: Yes (✓) N/A ( ) *No ( )
- Waters: Yes ( ) N/A (✓) *No ( )
- Air: Yes (✓) N/A ( ) *No ( )

**If No, provide comments*

DESCRIPTION OF DAILY WORK PERFORMED

- Placing Hernandez's Shed back together
- Recieve more bank-run gravel for backfill & placed into excavation: No more needed
- Recieve one more load of topsoil for final grading: no more needed
- Placed loam over all remaining excavated areas

OTHER SITE ACTIVITES

—

CHANGES / REVISIONS / MODIFICATIONS TO DESIGN:

Where changes documented on marked up drawings? Yes ( ) No (✓)

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-18-14 **Initials:** JDJ

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

PERSONNEL ON SITE:

Name	Company Representing	Reason Onsite	Hours Onsite
Tom Longley	MACTEC	Oversight	0710 → 16:15
Tom Giamichael	AZTECH	excavation manager	0710 → 15:56
Lewis Gelinas	AZTECH	excavator/laborer	0710 → 15:56
Ken McHale	MNRR	ENV. Director/MNRR	1015 → 11:45

EQUIPMENT ONSITE:

Equipment	Hrs.	Equipment	Hrs.	Equipment	Hrs.	Equipment	Hrs.
Kobelco Hoe							
Bobcat T300							
Pickup truck							

1 – Active Equipment 2 – Inactive Equipment

MATERIALS DELIVERED TO THE SITE:

Material	Daily Quantity (tons)	Total Quantity (tons)
Bank-Run Gravel	21.32	
Bank-Run Gravel	20.56	
Topsoil	Truck Load (1-Truck)	2115

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ___ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-18-14 **Initials:** IBF

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

SITE WASTE TRANSPORTATION/DISPOSAL PRODUCTION:

Waste Stream	Method of Transport	Estimated Volume	Running Total (est.)	Disposal Facilities	
				Haz Soil	Non-Haz Soil
None today					

PROJECT SCHEDULE ITEMS / ISSUES:

Should complete activities tomorrow for this phase of Site Work.

ITEMS OF CONCERN:

None

INTERACTIONS WITH SITE OWNER, PUBLIC, TOWN:

- Ken McHale of MNRR indicates that activities at the RR Station/Tower at base of Bartels Place may include placement of work trailers over two monitoring wells on that Site: good heads-up by Ken: we may have to decommission these wells fairly quickly: office is made aware of this.

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-18-14 **Initials:** JDJ

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

SAMPLES COLLECTED/ANALYSIS REQUESTED/TURN AROUND TIME:

None today

LIST OF ATTACHMENTS TO THIS REPORT: (sketches, photo log, drawing markups, Chain of Custody Record)

DAILY PHOTO LOG: See attached photo log of select photos

Photo ID	Description
photos will be	downloaded into directory

ON-SITE OVESIGHT REPRESENTATIVE (Mactec Engineering & Consulting, P.C. Site representative):

Name: (printed) Thomas D. Longley

Name: (signature) Thomas D. Longley Date: 6-18-14

Checked - C. Stypler 7-15-14

cc: Jean Firth –Mactec, P.C. Portland

Attachment 1 – Soil Removal IRM Photographic Log

Client:	NYSDEC	***Project Number:***	3612112221
Site Name:	Industrial Overall Services	***Site Location:***	New Rochelle, New York.

Photographer:
Tom Longley

Date:
June 18, 2014

Photograph: 1

Direction:
West

Description:
Western excavation behind 14 Bartels – Regrading with clean fill.

Photographer:
Tom Longley

Date:
June 18, 2014

Photograph: 2

Direction:
West

Description:
Completed western excavation – shed moved to location as indicated by property owner – new curbing in front..

Attachment 1 – Soil Removal IRM Photographic Log

Client:	NYSDEC	***Project Number:***	3612112221
Site Name:	Industrial Overall Services	***Site Location:***	New Rochelle, New York.

Photographer: Tom Longley ***Date:*** June 18, 2014 ***Photograph:*** 3 ***Direction:*** Northwest ***Description:*** Completed western excavation with new curbing (prior to seeding).	
Photographer: Tom Longley ***Date:*** June 18, 2014 ***Photograph:*** 4 ***Direction:*** North ***Description:*** Completed northern excavation/regrading with hay and seeding.	

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: 13 (~~Daily Observation Report No. = Days from NTP~~)

Mactec PC Project No.: 3612112221.05.01

Date: 6-19-14 **Initials:** JDZ

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

NYSDEC Engineer / Contractor: Mactec Engineering & Consulting, P.C. (MACTEC)

NYSDEC Call Out Contractor: Aztech Technologies, Inc.

Client/Project: NYSDEC – Industrial Overall Site 360109

Address: 10 Bartel's Place, New Rochelle, NY

Temperature (F): 74 (am) ~~—~~ (pm)

Weather: (am) Cloudy, Showers (pm) ~~—~~

Arrived at site: 0700 Departed from site: 10:00

HEALTH & SAFETY:

Tailgate Safety Briefing held? Yes ( ) No (✓)

Conducted By: ~~—~~

Topics Covered:	Potential Hazards:	Methods to Control Hazard:	PPE Required:
~~—~~			

Are there any changes to the Health & Safety Plan? Yes ( ) No (✓)

(If yes, list the deviation under items for concern)

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-19-14 **Initials:** JDF

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

PERSONNEL ON SITE:

Name	Company Representing	Reason Onsite	Hours Onsite
Tom Longley	MACTEC	oversight	0700 → 10:00
Tom Giamichael	AZTECH	excavation foreman	0700 → ~11:00
Lewis Gelinas	AZTECH	excavator/laborer	0700 → ~11:00

EQUIPMENT ONSITE:

Equipment	Hrs.	Equipment	Hrs.	Equipment	Hrs.	Equipment	Hrs.
Kobelco Hoe	–						
Bobcat T300	–						
Pick-up	–						

1 – Active Equipment 2 – Inactive Equipment

MATERIALS DELIVERED TO THE SITE:

Material	Daily Quantity (tons)	Total Quantity (tons)
None		

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-19-14 **Initials:** JDF

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

SITE WASTE TRANSPORTATION/DISPOSAL PRODUCTION:

Waste Stream	Method of Transport	Estimated Volume	Running Total (est.)	Disposal Facilities	
				Haz Soil	Non-Haz Soil
This activity was completed prior to today					

PROJECT SCHEDULE ITEMS / ISSUES:

End of this Phase of IRM Soil Excavation and Removal:

Project completed w/in the budgeted 3 weeks

ITEMS OF CONCERN:

None: note: after demobilized from the site, Mr. Hernandez (next door neighbor abutting soil excavation) called to complain about his displeasure of final grading/seeding/mulching; stated he thought it should have been done w/ a lot more care – should have been rolled. He is happy w/ the shed location & shed condition, but not w/ final grading.

INTERACTIONS WITH SITE OWNER, PUBLIC, TOWN:

None

DAILY CONSTRUCTION OVERSIGHT REPORT

Report No.: ____ (* Daily Observation Report No. – Days from NTP)

Mactec PC Project No.: 3612112221.05.01

Date: 6-19-14 **Initials:** JDZ

NYSDEC INDUSTRIAL OVERALL SITE 360109 – SOIL REMOVAL IRM

SAMPLES COLLECTED/ANALYSIS REQUESTED/TURN AROUND TIME:

None

LIST OF ATTACHMENTS TO THIS REPORT: (sketches, photo log, drawing markups, Chain of Custody Record)

Photos will be placed into site directory at office

DAILY PHOTO LOG: See attached select photos

Photo ID	Description

ON-SITE OVESIGHT REPRESENTATIVE (Mactec Engineering & Consulting, P.C. Site representative):

Name: (printed) Thomas D. Longley

Name: (signature) [signature] Date: 6-19-14

Checked - C. Stapler 7-15-14

cc: Jean Firth –Mactec, P.C. Portland

Attachment 1 – Soil Removal IRM Photographic Log

Client:	NYSDEC	***Project Number:***	3612112221
Site Name:	Industrial Overall Services	***Site Location:***	New Rochelle, New York.

Photographer:
Tom Longley

Date:
June 19, 2014

Photograph: 1

Direction:
Northwest

Description:
Completed western excavation with new curbing – seeded and mulched.

Photographer:
Tom Longley

Date:
June 19, 2014

Photograph: 2

Direction:
East

Description:
Completed western excavation/regrading with hay and seeding – shed in new location.

DAILY PERSONNEL LOG-IN SHEET
NYSDEC INDUSTRIAL OVERALL UNIFORM CORPORATION SITE 360109-SOIL REMOVAL IRM
NEW ROCHELLE, NEW YORK

PROJECT NO. 3612112221.05.01

DATE: 6-2-14

Person; Print/Sign	Organization	Duties
Thomas D. Longley [signature]	Amec	Oversight
Lewis Gebhardt	AZTECH	operator / labor
Brendan Shaw	AMEC	oversight
Tom Giamichael	Aztech	Labor

COMMENTS:

DAILY PERSONNEL LOG-IN SHEET
NYSDEC INDUSTRIAL OVERALL UNIFORM CORPORATION SITE 360109-SOIL REMOVAL IRM
NEW ROCHELLE, NEW YORK

PROJECT NO. 3612112221.05.01

DATE: 6-3-14

Person, Print/Sign	Organization	Duties
Thomas Longley / [signature]	Amec	oversight
Brandon Shaw [signature]	Amec	Oversight off site @ 10:28
Lewis Gelinas	AZTECH	operator / Labor
Tom Girardot	Aztech	Labor

COMMENTS:

DAILY PERSONNEL LOG-IN SHEET
NYSDEC INDUSTRIAL OVERALL UNIFORM CORPORATION SITE 360109-SOIL REMOVAL IRM
NEW ROCHELLE, NEW YORK

PROJECT NO. 3612112221.05.01

DATE: 6-4-14

Person; Print/Sign	Organization	Duties
Thomas Lonky [signature]	Amec	Oversight
Lewis Getchen [signature]	AZTECH	operator / Labor
[signature]	Aztech	L-Sup
SCOTT DEYETTE	NYSDEC	OVERSIGHT

COMMENTS:

DAILY PERSONNEL LOG-IN SHEET
NYSDEC INDUSTRIAL OVERALL UNIFORM CORPORATION SITE 360109-SOIL REMOVAL IRM
NEW ROCHELLE, NEW YORK

PROJECT NO. 3612112221.05.01

DATE: 6-9-14

Person; Print/Sign	Organization	Duties
Tom [illegible]	AMEC	Oversight
SCOTT DEYETTE	NYSDEC	OVERSIGHT
BEN STROMAN	MNRR	POWER
Steve Guzman	MNRR	Power
Tom [illegible]	Aztech	Forman
Larry [illegible]	MNRR	Insp.
Roberto Mancini	MNRR	Flagman
Brandon Shaw	AMEC	Oversight
Jason Notalo	Aztech	Asst. Aztech
Felix Colina	AZTECH	operator/labor
Benny Rivera	Bennytree	Labor
GUADALUPE GARCIA	Bennytree	Labor
Huber Acevedo	~~[illegible]~~ BennyTree	Climber
Ryan Rivera	Benny's Tree	Labor

COMMENTS:

DAILY PERSONNEL LOG-IN SHEET
NYSDEC INDUSTRIAL OVERALL UNIFORM CORPORATION SITE 360109-SOIL REMOVAL IRM
NEW ROCHELLE, NEW YORK

PROJECT NO. 3612112221.05.01

DATE: 6-10-14

Person; Print/Sign	Organization	Duties
Thomas Longley	AMEC	Oversight
Lewis Gelinas	AZTECT	operator/Labor
[illegible]	Aztech	Foreman
Scott Deyette	NYSDEC	Oversight
Brandon Shaw	AMEC	Oversight
John Lee	MNRR FLAG	Oversight

COMMENTS:

DAILY PERSONNEL LOG-IN SHEET
NYSDEC INDUSTRIAL OVERALL UNIFORM CORPORATION SITE 360109-SOIL REMOVAL IRM
NEW ROCHELLE, NEW YORK

PROJECT NO. 3612112221.05.01

DATE: 6-11-14

Person; Print/Sign	Organization	Duties
Tom Longley	AMEC/MACTEC	oversight
[illegible]	Aztech	Foreman
Levis Gelinas	AZTECH	operator/Labor
Jason Fernandes	METRO NORTH	Conductor Flag
Brandon Shaw	AMEC	oversight/sampling

COMMENTS:

DAILY PERSONNEL LOG-IN SHEET
NYSDEC INDUSTRIAL OVERALL UNIFORM CORPORATION SITE 360109-SOIL REMOVAL IRM
NEW ROCHELLE, NEW YORK

PROJECT NO. 3612112221.05.01

DATE: 6-12-14

Person; Print/Sign	Organization	Duties
Thomas D. Longley	MACTEC	Oversight
Lewis Gollins	AZTECT	operator / Labor
Tom Giamichael	Aztec	Ironman
Roberto Mancini	Metro North LIR	Flagman

COMMENTS:

DAILY PERSONNEL LOG-IN SHEET
NYSDEC INDUSTRIAL OVERALL UNIFORM CORPORATION SITE 360109-SOIL REMOVAL IRM
NEW ROCHELLE, NEW YORK

PROJECT NO. 3612112221.05.01

DATE: 6-13-14

Person; Print/Sign	Organization	Duties
Thomas Longley	AMEC/MACTEC	oversight
[illegible]	Aztech	Foreman
Lewis Gelinas	AZTECH	operator / labor

COMMENTS:

DAILY PERSONNEL LOG-IN SHEET
NYSDEC INDUSTRIAL OVERALL UNIFORM CORPORATION SITE 360109-SOIL REMOVAL IRM
NEW ROCHELLE, NEW YORK

PROJECT NO. 3612112221.05.01

DATE: 6-16-14

Person; Print/Sign	Organization	Duties
Tom Longley	MACTEC	Oversight
Tom Giamichael	Aztech	Foreman
Lewis Gelinas	AZTECH	operator / Labor

COMMENTS:

DAILY PERSONNEL LOG-IN SHEET
NYSDEC INDUSTRIAL OVERALL UNIFORM CORPORATION SITE 360109-SOIL REMOVAL IRM
NEW ROCHELLE, NEW YORK

PROJECT NO. 3612112221.05.01

DATE: ~~3~~ 6-17-14

Person; Print/Sign	Organization	Duties
Tom Langley	MACTEC	oversight
Lewis [illegible]	AZTECH	operator
Tom [illegible]	Acte[illegible]	Foreman

COMMENTS:

DAILY PERSONNEL LOG-IN SHEET
NYSDEC INDUSTRIAL OVERALL UNIFORM CORPORATION SITE 360109-SOIL REMOVAL IRM
NEW ROCHELLE, NEW YORK

PROJECT NO. 3612112221.05.01

DATE: 6/18/14

Person; Print/Sign	Organization	Duties
Tom Gianichael	Aztech	Foreman
Tom Longley	NYSDEC	Oversight
Lewis Gollinas	AZTECH	operator

COMMENTS:

APPENDIX C

IRM SOIL TRANSPORT AND DISPOSAL DOCUMENTATION

Table 4.1: Soils VOC Analytical Results

			Location	DP-01		DP-01 (duplicate)		DP-01	DP-01		DP-02		DP-02	
			Sample Date	10/20/2013		10/20/2013		10/24/2013	10/24/2013		10/20/2013		10/23/2013	
			Sample ID	932138-DP001002		932138-DP001002XD		932138-DP001004	932138-DP001012		932138-DP002002		932138-DP002006	
			Top Depth	0		0		4	12		0		6	
			Bottom Depth	2		2		5	12.8		2		7	
			QC Code	FS		FD		FS	FS		FS		FS	
Parameter	**Soil Cleanup Objectives**			Result	Qualifier	Result	Qualifier	Result	Result	Qualifier	Result	Qualifier	Result	Qualifier
Parameter	**Unrestricted Use**	**Protection of Groundwater**	**Residential Use**											
Tetrachloroethene	1.3	1.3	5.5	**30**	J	**40**	J	**10**	**0.12**		**0.31**	J	0.18	U
Trichloroethene	0.47	0.47	10	**2.1**		**3**		**0.3**	**0.021**	J	**0.15**	J	0.18	U
Cis-1,2-Dichloroethene	0.25	0.25	59	**0.15**		**0.27**		**0.029**	**0.44**		**0.39**	J	**1.7**	
trans-1,2-Dichloroethene	0.19	0.19	100	**0.023**	J	**0.034**	J	0.044	0.046	U	0.41	U	0.18	U
Vinyl chloride	0.02	0.02	0.21	0.062	U	0.065	U	0.044	**0.15**		0.41	U	**0.25**	
Total Chlorinated VOCs				32		43		10	0.73		0.85		2.0	
2-Hexanone	NA	NA	NA	0.31	UJ	0.33	UJ	0.22	0.23	U	2.1	U	0.92	U
Acetic acid, methyl ester	NA	NA	NA	0.062	U	**0.039**	J	0.044	0.046	U	0.41	U	0.18	U
Benzene	0.06	0.06	2.9	0.062	U	0.065	U	**0.029**	0.046	U	0.41	U	0.18	U
Cyclohexane	NA	NA	NA	**0.03**	J	0.065	U	0.044	0.046	U	0.41	U	0.18	U
Ethyl benzene	1	1	30	0.062	U	0.065	U	0.044	0.046	U	0.41	U	**0.085**	J
Isopropylbenzene	NA	NA	NA	0.062	U	0.065	U	0.044	**0.013**	J	0.41	U	**0.26**	
Methyl cyclohexane	NA	NA	NA	**0.087**		**0.048**	J	**0.023**	0.046	U	0.41	U	**0.16**	J
Methylene chloride	0.05	0.05	51	0.062	U	0.065	U	0.044	0.046	U	0.41	U	0.18	U
Toluene	0.7	0.7	100	0.062	U	0.065	U	**0.012**	0.046	U	0.41	U	0.18	U
Xylenes, Total	0.26	1.6	100	0.12	U	0.13	U	0.089	**0.011**	J	0.83	U	**0.28**	J
Total Non-chlorinated VOCs				0.12		0.087		0.064	0.024		ND		0.79	
Percent Solids	NA	NA	NA	**81**		**79**		**87**	**92**		**90**		**87**	

Notes:
Volatile Organic Compounds analysis by USEPA Method 8260C;
Results in milligrams per kilogram (only detected compounds shown)
(detections in bold)
Percent solid in percent.
ft bgs = feet below ground surface
Qualifier:
J = estimated value
U = compound not detected at concentration above reporting limit.
Soil Cleanup Objectives = 6 NYCRR Part 375
(Shaded cells > standards)
NA = criteria not available
QC Code: FS=field sample; FD = field duplicate
ND = not detected

Table 4.1: Soils VOC Analytical Results

				Location	DP-03		DP-03		DP-03		DP-04		DP-04		DP-05	
				Sample Date	10/20/2013		10/24/2013		10/24/2013		10/23/2013		10/23/2013		10/23/2013	
				Sample ID	932138-DP003002		932138-DP003005		932138-DP003009		932138-DP004005		932138-DP004008		932138-DP005005	
				Top Depth	0		5		9		5		8		5	
				Bottom Depth	2		6		10		8		10.4		6.5	
				QC Code	FS		FS		FS		FS		FS		FS	
Parameter	**Soil Cleanup Objectives**				Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Parameter	**Unrestricted Use**	**Protection of Groundwater**	**Residential Use**													
Tetrachloroethene	1.3	1.3	5.5		**0.48**		**0.17**	J	0.16	UJ	0.44	U	0.2	U	**0.68**	
Trichloroethene	0.47	0.47	10		**0.013**	J	**0.15**	J	0.16	UJ	0.44	U	0.2	U	**3.3**	
Cis-1,2-Dichloroethene	0.25	0.25	59		0.046	U	0.41	UJ	0.16	UJ	**0.42**	J	**0.23**	0	**0.67**	
trans-1,2-Dichloroethene	0.19	0.19	100		0.046	U	0.41	UJ	0.16	UJ	0.44	U	0.2	U	0.25	U
Vinyl chloride	0.02	0.02	0.21		0.046	U	0.41	UJ	0.16	UJ	0.44	U	0.2	U	0.25	U
Total Chlorinated VOCs					0.49		0.32		ND		0.42		0.23		4.7	
2-Hexanone	NA	NA	NA		0.23	UJ	2	UJ	0.78	UJ	2.2	UJ	1	U	1.3	U
Acetic acid, methyl ester	NA	NA	NA		**0.11**		0.41	UJ	0.16	UJ	0.44	U	0.2	U	0.25	U
Benzene	0.06	0.06	2.9		0.046	U	0.41	UJ	0.16	UJ	0.44	U	0.2	U	0.25	U
Cyclohexane	NA	NA	NA		0.046	U	**10**	J	**5**	J	**2.7**		**2.6**		0.25	U
Ethyl benzene	1	1	30		0.046	U	**7.1**	J	**1.2**	J	**4.9**		**2.9**		0.25	U
Isopropylbenzene	NA	NA	NA		0.046	U	**19**	J	**7.4**	J	**12**		**7.6**		**0.27**	
Methyl cyclohexane	NA	NA	NA		**0.037**	J	**57**	J	**44**	J	**12**		**9.1**		**12**	
Methylene chloride	0.05	0.05	51		0.046	U	0.41	UJ	0.16	UJ	0.44	U	0.2	U	**0.086**	J
Toluene	0.7	0.7	100		0.046	U	0.41	UJ	0.16	UJ	0.44	U	0.2	U	0.25	U
Xylenes, Total	0.26	1.6	100		0.093	U	**69**	J	**10**	J	**49**		**30**		0.51	U
Total Non-chlorinated VOCs					0.15		162		68		80.6		52		12	
Percent Solids	NA	NA	NA		**86**		**91**		**90**		**90**		**90**		**88**	

Notes:
Volatile Organic Compounds analysis by USEPA Method 8260C;
Results in milligrams per kilogram (only detected compounds shown)
(detections in bold)
Percent solid in percent.
ft bgs = feet below ground surface
Qualifier:
J = estimated value
U = compound not detected at concentration above reporting limit.
Soil Cleanup Objectives = 6 NYCRR Part 375
(Shaded cells > standards)
NA = criteria not available
QC Code: FS=field sample; FD = field duplicate
ND = not detected

Table 4.1: Soils VOC Analytical Results

			Location	DP-05		DP-06		DP-06		DP-06 (duplicate)		DP-07		DP-07	
			Sample Date	10/23/2013		10/23/2013		10/23/2013		10/23/2013		10/22/2013		10/22/2013	
			Sample ID	932138-DP005008		932138-DP006005		932138-DP006008		932138-DP006008XD		932138-DP007004		932138-DP007014	
			Top Depth	8		5		8		8		4		14	
			Bottom Depth	10.5		6		9		9		6		14.8	
			QC Code	FS		FS		FS		FD		FS		FS	
Parameter	**Soil Cleanup Objectives**			Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Parameter	**Unrestricted Use**	**Protection of Groundwater**	**Residential Use**												
Tetrachloroethene	1.3	1.3	5.5	0.047	U	0.044	U	0.045	U	0.037	U	0.04	U	**0.3**	
Trichloroethene	0.47	0.47	10	0.047	U	0.044	U	0.045	U	0.037	U	0.04	U	**0.033**	J
Cis-1,2-Dichloroethene	0.25	0.25	59	**0.41**		0.044	U	0.045	U	**0.011**	J	0.04	U	**1.1**	
trans-1,2-Dichloroethene	0.19	0.19	100	0.047	U	0.044	U	0.045	U	0.037	U	0.04	U	**0.02**	J
Vinyl chloride	0.02	0.02	0.21	0.047	U	0.044	U	0.045	U	0.037	U	0.04	U	**0.087**	
Total Chlorinated VOCs				0.41		ND		ND		0.011		ND		1.5	
2-Hexanone	NA	NA	NA	0.24	U	0.22	U	0.23	U	0.19	U	0.2	UJ	0.21	UJ
Acetic acid, methyl ester	NA	NA	NA	0.047	U	0.044	U	0.045	U	0.037	U	0.04	U	0.042	U
Benzene	0.06	0.06	2.9	0.047	U	0.044	U	0.045	U	0.037	U	0.04	U	0.042	U
Cyclohexane	NA	NA	NA	**0.17**		0.044	U	0.045	U	0.037	U	0.04	U	0.042	U
Ethyl benzene	1	1	30	**0.19**		0.044	U	0.045	U	0.037	U	0.04	U	0.042	U
Isopropylbenzene	NA	NA	NA	**0.17**		0.044	U	**0.021**	J	**0.018**	J	0.04	U	**0.03**	J
Methyl cyclohexane	NA	NA	NA	**0.53**		0.044	U	**0.023**	J	0.037	U	0.04	U	0.042	U
Methylene chloride	0.05	0.05	51	0.047	U	0.044	U	0.045	U	0.037	U	0.04	U	0.042	U
Toluene	0.7	0.7	100	0.047	U	0.044	U	0.045	U	0.037	U	0.04	U	0.042	U
Xylenes, Total	0.26	1.6	100	**0.19**		0.088	U	0.09	U	0.075	U	0.079	U	0.085	U
Total Non-chlorinated VOCs				1.3		ND		0.044		0.018		ND		0.03	
Percent Solids	NA	NA	NA	**87**		**84**		**89**		**89**		**88**		**95**	

Notes:
Volatile Organic Compounds analysis by USEPA Method 8260C;
Results in milligrams per kilogram (only detected compounds shown)
(detections in bold)
Percent solid in percent.
ft bgs = feet below ground surface
Qualifier:
J = estimated value
U = compound not detected at concentration above reporting limit.
Soil Cleanup Objectives = 6 NYCRR Part 375
(Shaded cells > standards)
NA = criteria not available
QC Code: FS=field sample; FD = field duplicate
ND = not detected

Table 4.1: Soils VOC Analytical Results

			Location	DP-08		DP-08		DP-09		DP-09	DP-10	DP-10
			Sample Date	10/23/2013		10/23/2013		10/23/2013		10/23/2013	10/23/2013	10/23/2013
			Sample ID	932138-DP008006		932138-DP008008		932138-DP009007		932138-DP009008	932138-DP010005	932138-DP010008
			Top Depth	6		8		7		8	5	8
			Bottom Depth	8		9		8		9	6	9
			QC Code	FS		FS		FS		FS	FS	FS
Parameter	**Soil Cleanup Objectives**			Result	Qualifier	Result	Qualifier	Result	Qualifier	Result Qualifier	Result	Result Qualifier
Parameter	**Unrestricted Use**	**Protection of Groundwater**	**Residential Use**									
Tetrachloroethene	1.3	1.3	5.5	**1.4**		**1.5**		**3**		**1.1**	0.041 U	0.049 U
Trichloroethene	0.47	0.47	10	**0.089**		**0.12**		**4**		0.46 U	0.041 U	0.049 U
Cis-1,2-Dichloroethene	0.25	0.25	59	**0.038**	J	**0.14**		**12**		**5.8**	0.041 U	0.049 U
trans-1,2-Dichloroethene	0.19	0.19	100	0.04 U		0.039 U		**0.29**	J	0.46 U	0.041 U	0.049 U
Vinyl chloride	0.02	0.02	0.21	0.04 U		0.039 U		0.91 U		0.46 U	0.041 U	0.049 U
Total Chlorinated VOCs				1.5		1.8		19.29		6.9	ND	ND
2-Hexanone	NA	NA	NA	0.2 U		0.2 U		4.5 U		2.3 UJ	0.2 U	0.24 U
Acetic acid, methyl ester	NA	NA	NA	0.04 U		0.039 U		0.91 U		0.46 U	0.041 U	0.049 U
Benzene	0.06	0.06	2.9	0.04 U		0.039 U		0.91 U		0.46 U	0.041 U	0.049 U
Cyclohexane	NA	NA	NA	0.04 U		0.039 U		**2.6**		**3.2**	0.041 U	0.049 U
Ethyl benzene	1	1	30	0.04 U		0.039 U		**5.3**		**6.5**	0.041 U	0.049 U
Isopropylbenzene	NA	NA	NA	0.04 U		0.039 U		**13**		**14**	0.041 U	0.049 U
Methyl cyclohexane	NA	NA	NA	0.04 U		0.039 U		**13**		**16**	0.041 U	0.049 U
Methylene chloride	0.05	0.05	51	0.04 U		0.039 U		0.91 U		0.46 U	**0.012** J	0.049 U
Toluene	0.7	0.7	100	0.04 U		0.039 U		0.91 U		0.46 U	0.041 U	0.049 U
Xylenes, Total	0.26	1.6	100	0.08 U		0.078 U		**34**		**52**	0.082 U	0.097 U
Total Non-chlorinated VOCs				ND		ND		68		92	0.012	ND
Percent Solids	NA	NA	NA	**91**		**92**		**91**		**86**	**87**	**82**

Notes:
Volatile Organic Compounds analysis by USEPA Method 8260C;
Results in milligrams per kilogram (only detected compounds shown)
(detections in bold)
Percent solid in percent.
ft bgs = feet below ground surface
Qualifier:
J = estimated value
U = compound not detected at concentration above reporting limit.
Soil Cleanup Objectives = 6 NYCRR Part 375
(Shaded cells > standards)
NA = criteria not available
QC Code: FS=field sample; FD = field duplicate
ND = not detected

Table 4.1: Soils VOC Analytical Results

				Location	DP-11		DP-11		DP-12		DP-12		DP-13		DP-13	
				Sample Date	10/23/2013		10/23/2013		10/23/2013		10/23/2013		10/24/2013		10/24/2013	
				Sample ID	932138-DP011005		932138-DP011011		932138-DP012007		932138-DP012009		932138-DP013005		932138-DP013008	
				Top Depth	5		11		7		9		5		8	
				Bottom Depth	7		12		8		10		6		9	
				QC Code	FS		FS		FS		FS		FS		FS	
Parameter	**Soil Cleanup Objectives**				Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Parameter	**Unrestricted Use**	**Protection of Groundwater**	**Residential Use**													
Tetrachloroethene	1.3	1.3	5.5		0.043	U	**1.9**		1.7	U	0.45	U	0.4	U	**1.1**	
Trichloroethene	0.47	0.47	10		0.043	U	**0.36**		1.7	U	0.45	U	0.4	U	**0.078**	
Cis-1,2-Dichloroethene	0.25	0.25	59		0.043	U	**0.43**		**11**		**2.6**		**12**		**0.062**	
trans-1,2-Dichloroethene	0.19	0.19	100		0.043	U	0.04	U	1.7	U	0.45	U	**0.29**	J	0.048	U
Vinyl chloride	0.02	0.02	0.21		0.043	U	0.04	U	1.7	U	0.45	U	0.4	U	0.048	U
Total Chlorinated VOCs					ND		2.7		11		2.6		12		1.2	
2-Hexanone	NA	NA	NA		0.22	UJ	0.2	UJ	8.3	UJ	2.2	U	2	U	0.24	U
Acetic acid, methyl ester	NA	NA	NA		0.043	U	0.04	U	1.7	U	0.45	U	0.4	U	0.048	U
Benzene	0.06	0.06	2.9		0.043	U	0.04	U	1.7	U	0.45	U	0.4	U	0.048	U
Cyclohexane	NA	NA	NA		0.043	U	0.04	U	**1.7**		0.45	U	**3.7**		**0.041**	J
Ethyl benzene	1	1	30		0.043	U	0.04	U	**6.8**		**0.32**	J	**8.9**		**0.064**	
Isopropylbenzene	NA	NA	NA		0.043	U	0.04	U	**19**		**0.84**		**22**		**0.23**	
Methyl cyclohexane	NA	NA	NA		0.043	U	0.04	U	**21**		**1**		**29**		**0.35**	
Methylene chloride	0.05	0.05	51		0.043	U	0.04	U	1.7	U	0.45	U	0.4	U	0.048	U
Toluene	0.7	0.7	100		0.043	U	0.04	U	1.7	U	0.45	U	0.4	U	0.048	U
Xylenes, Total	0.26	1.6	100		0.086	U	0.081	U	**37**		**1.7**		**67**		**0.51**	
Total Non-chlorinated VOCs					ND		ND		86		3.9		131		1.2	
Percent Solids	NA	NA	NA		**90**		**94**		**86**		**86**		**93**		**82**	

Notes:
Volatile Organic Compounds analysis by USEPA Method 8260C;
Results in milligrams per kilogram (only detected compounds shown)
(detections in bold)
Percent solid in percent.
ft bgs = feet below ground surface
Qualifier:
J = estimated value
U = compound not detected at concentration above reporting limit.
Soil Cleanup Objectives = 6 NYCRR Part 375
(Shaded cells > standards)
NA = criteria not available
QC Code: FS=field sample; FD = field duplicate
ND = not detected

Table 4.1: Soils VOC Analytical Results

			Location	DP-14		DP-14		DP-15		DP-15	DP-16	DP-16
			Sample Date	10/24/2013		10/24/2013		10/24/2013		10/24/2013	10/24/2013	10/24/2013
			Sample ID	932138-DP014004		932138-DP014008		932138-DP015007		932138-DP015009	932138-DP016007	932138-DP016009
			Top Depth	4		8		7		9	7	9
			Bottom Depth	5		9		8		9.5	8	11
			QC Code	FS		FS		FS		FS	FS	FS
Parameter	**Soil Cleanup Objectives**			Result	Qualifier	Result	Qualifier	Result	Qualifier	Result Qualifier	Result Qualifier	Result Qualifier
Parameter	**Unrestricted Use**	**Protection of Groundwater**	**Residential Use**									
Tetrachloroethene	1.3	1.3	5.5	**1.3**		**0.06**		**1.4**	0	**1.3**	**0.09**	**0.66**
Trichloroethene	0.47	0.47	10	**0.022**	J	0.032	U	**0.39**	0	**0.54**	0.043 U	**3.2**
Cis-1,2-Dichloroethene	0.25	0.25	59	0.053	U	**0.093**		**0.47**	0	**0.67**	0.043 U	**9.4**
trans-1,2-Dichloroethene	0.19	0.19	100	0.053	U	0.032	U	0.047	U	0.044 U	0.043 U	**0.12** J
Vinyl chloride	0.02	0.02	0.21	0.053	U	0.032	U	0.047	U	0.044 U	0.043 U	0.44 U
Total Chlorinated VOCs				1.3		0.15		2.3		2.5	0.09	13
2-Hexanone	NA	NA	NA	0.26	U	0.16	U	0.23	U	0.22 U	0.21 U	2.2 U
Acetic acid, methyl ester	NA	NA	NA	0.053	U	0.032	U	0.047	U	0.044 U	0.043 U	0.44 U
Benzene	0.06	0.06	2.9	0.053	U	0.032	U	0.047	U	0.044 U	0.043 U	0.44 U
Cyclohexane	NA	NA	NA	0.053	U	0.032	U	0.047	U	0.044 U	0.043 U	0.44 U
Ethyl benzene	1	1	30	0.053	U	0.032	U	0.047	U	0.044 U	0.043 U	**0.54**
Isopropylbenzene	NA	NA	NA	0.053	U	0.032	U	0.047	U	0.044 U	0.043 U	**2.6**
Methyl cyclohexane	NA	NA	NA	0.053	U	**1.6**		0.047	U	**0.055**	0.043 U	**9.2**
Methylene chloride	0.05	0.05	51	0.053	U	0.032	U	0.047	U	0.044 U	0.043 U	0.44 U
Toluene	0.7	0.7	100	0.053	U	0.032	U	0.047	U	0.044 U	0.043 U	0.44 U
Xylenes, Total	0.26	1.6	100	**0.032**	J	0.064	U	0.093	U	0.089 U	0.086 U	**1.2**
Total Non-chlorinated VOCs				0.032		1.6		ND		0.055	ND	14
Percent Solids	NA	NA	NA	**79**		**87**		**84**		**86**	**87**	**85**

Notes:
Volatile Organic Compounds analysis by USEPA Method 8260C;
Results in milligrams per kilogram (only detected compounds shown)
(detections in bold)
Percent solid in percent.
ft bgs = feet below ground surface
Qualifier:
J = estimated value
U = compound not detected at concentration above reporting limit.
Soil Cleanup Objectives = 6 NYCRR Part 375
(Shaded cells > standards)
NA = criteria not available
QC Code: FS=field sample; FD = field duplicate
ND = not detected

Table 4.1: Soils VOC Analytical Results

				Location	DP-17		DP-17		DP-17		DP-18	
				Sample Date	10/24/2013		10/24/2013		10/24/2013		10/24/2013	
				Sample ID	932138-DP017005		932138-DP017008		932138-DP017008DUP		932138-DP018006	
				Top Depth	5		8		8		6	
				Bottom Depth	6		10		10		7	
				QC Code	FS		FS		FD		FS	
Parameter	**Soil Cleanup Objectives**				Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Parameter	**Unrestricted Use**	**Protection of Groundwater**	**Residential Use**									
Tetrachloroethene	1.3	1.3	5.5		0.057	U	0.043	U	0.051	U	0.039	U
Trichloroethene	0.47	0.47	10		0.057	U	0.043	U	0.051	U	0.039	U
Cis-1,2-Dichloroethene	0.25	0.25	59		0.057	U	0.043	U	0.051	U	0.039	U
trans-1,2-Dichloroethene	0.19	0.19	100		0.057	U	0.043	UJ	0.051	UJ	0.039	U
Vinyl chloride	0.02	0.02	0.21		0.057	U	0.043	U	0.051	U	0.039	U
Total Chlorinated VOCs					ND		ND		ND		ND	
2-Hexanone	NA	NA	NA		0.28	U	0.22	U	0.26	U	0.19	U
Acetic acid, methyl ester	NA	NA	NA		0.057	U	0.043	U	0.051	U	0.039	U
Benzene	0.06	0.06	2.9		0.057	U	0.043	U	0.051	U	0.039	U
Cyclohexane	NA	NA	NA		0.057	U	0.043	U	0.051	U	0.039	U
Ethyl benzene	1	1	30		0.057	U	0.043	U	0.051	U	0.039	U
Isopropylbenzene	NA	NA	NA		0.057	U	**0.0077**	J	0.051	U	0.039	U
Methyl cyclohexane	NA	NA	NA		0.057	U	0.043	U	0.051	U	0.039	U
Methylene chloride	0.05	0.05	51		**0.091**		**0.012**	J	**0.022**	J	0.039	U
Toluene	0.7	0.7	100		0.057	U	0.043	U	0.051	U	0.039	U
Xylenes, Total	0.26	1.6	100		0.11	U	0.087	U	0.1	U	0.077	U
Total Non-chlorinated VOCs					0.091		0.02		0.022		ND	
Percent Solids	NA	NA	NA		**84**		**87**		**87**		**91**	

				Location	DP-18		DP-19					
				Sample Date	10/24/2013		10/25/2013					
				Sample ID	932138-DP018009		932138-DP019007					
				Top Depth	9		7					
				Bottom Depth	10		8					
				QC Code	FS		FS					
Parameter	**Soil Cleanup Objectives**				Result	Qualifier	Result	Qualifier				
Parameter	**Unrestricted Use**	**Protection of Groundwater**	**Residential Use**									
Tetrachloroethene	1.3	1.3	5.5		0.051	U	**0.14**	J				
Trichloroethene	0.47	0.47	10		0.051	U	0.17	U				
Cis-1,2-Dichloroethene	0.25	0.25	59		0.051	U	0.17	U				
trans-1,2-Dichloroethene	0.19	0.19	100		0.051	U	0.17	U				
Vinyl chloride	0.02	0.02	0.21		0.051	U	0.17	U				
Total Chlorinated VOCs					ND		0.14					
2-Hexanone	NA	NA	NA		0.25	U	0.85	U				
Acetic acid, methyl ester	NA	NA	NA		0.051	U	0.17	U				
Benzene	0.06	0.06	2.9		0.051	U	0.17	U				
Cyclohexane	NA	NA	NA		0.051	U	0.17	U				
Ethyl benzene	1	1	30		0.051	U	0.17	U				
Isopropylbenzene	NA	NA	NA		0.051	U	0.17	U				
Methyl cyclohexane	NA	NA	NA		0.051	U	0.17	U				
Methylene chloride	0.05	0.05	51		**0.021**	J	0.17	U				
Toluene	0.7	0.7	100		0.051	U	0.17	U				
Xylenes, Total	0.26	1.6	100		0.1	U	0.34	U				
Total Non-chlorinated VOCs					0.021		ND					
Percent Solids	NA	NA	NA		**82**		**81**					

Notes:
Volatile Organic Compounds analysis by USEPA Method 8260C;
Results in milligrams per kilogram (only detected compounds shown)
(detections in bold)
Percent solid in percent.
ft bgs = feet below ground surface
Qualifier:
J = estimated value
U = compound not detected at concentration above reporting limit.
Soil Cleanup Objectives = 6 NYCRR Part 375
(Shaded cells > standards)
NA = criteria not available
QC Code: FS=field sample; FD = field duplicate
ND = not detected

Table 4.1: Soils VOC Analytical Results

			Location	DP-20		DP-20		DP-21		DP-21	DP-26	DP-26
			Sample Date	10/25/2013		10/25/2013		10/25/2013		10/25/2013	10/25/2013	10/25/2013
			Sample ID	932138-DP020007		932138-DP020009		932138-DP021007		932138-DP021009	932138-DP026007	932138-DP026009
			Top Depth	7		9		7		9	7	9
			Bottom Depth	8		9.5		8		10	8	10
			QC Code	FS		FS		FS		FS	FS	FS
Parameter	**Soil Cleanup Objectives**			Result	Qualifier	Result	Qualifier	Result	Qualifier	Result Qualifier	Result	Qualifier	Result	Qualifier
Parameter	**Unrestricted Use**	**Protection of Groundwater**	**Residential Use**											
Tetrachloroethene	1.3	1.3	5.5	0.17	UJ	0.17	UJ	0.043	U	0.043 U	**0.015**	J	0.043	UJ
Trichloroethene	0.47	0.47	10	0.17	UJ	0.17	UJ	0.043	U	0.043 U	0.046	U	0.043	UJ
Cis-1,2-Dichloroethene	0.25	0.25	59	0.17	UJ	0.17	UJ	0.043	U	0.043 U	0.046	U	0.043	UJ
trans-1,2-Dichloroethene	0.19	0.19	100	0.17	UJ	0.17	UJ	0.043	U	0.043 U	0.046	U	0.043	UJ
Vinyl chloride	0.02	0.02	0.21	0.17	UJ	0.17	UJ	0.043	U	0.043 U	0.046	U	0.043	UJ
Total Chlorinated VOCs				ND		ND		ND		ND	0.015		ND	
2-Hexanone	NA	NA	NA	0.84	UJ	0.85	UJ	0.22	U	**0.1** J	0.23	U	0.21	UJ
Acetic acid, methyl ester	NA	NA	NA	0.17	UJ	0.17	UJ	0.043	U	0.043 U	0.046	U	0.043	UJ
Benzene	0.06	0.06	2.9	0.17	UJ	0.17	UJ	0.043	U	0.043 U	0.046	U	0.043	UJ
Cyclohexane	NA	NA	NA	**1.1**	J	**5.8**	J	0.043	U	**0.12**	0.046	U	**0.37**	J
Ethyl benzene	1	1	30	**0.08**	J	**0.49**	J	0.043	U	0.043 U	0.046	U	0.043	UJ
Isopropylbenzene	NA	NA	NA	**2**	J	**5.7**	J	0.043	U	0.043 U	0.046	U	**0.14**	J
Methyl cyclohexane	NA	NA	NA	**7.6**	J	**29**		0.043	U	**0.49**	0.046	U	**0.76**	J
Methylene chloride	0.05	0.05	51	0.17	UJ	0.17	UJ	0.043	U	0.043 U	0.046	U	0.043	UJ
Toluene	0.7	0.7	100	0.17	UJ	0.17	UJ	0.043	U	0.043 U	0.046	U	0.043	UJ
Xylenes, Total	0.26	1.6	100	0.34	UJ	**2.6**	J	0.086	U	0.086 U	0.091	U	0.085	UJ
Total Non-chlorinated VOCs				11		44		ND		0.71	ND		1.3	
Percent Solids	NA	NA	NA	**89**		**90**		**86**		**88**	**84**		**87**	

Notes:
Volatile Organic Compounds analysis by USEPA Method 8260C;
Results in milligrams per kilogram (only detected compounds shown)
(detections in bold)
Percent solid in percent.
ft bgs = feet below ground surface
Qualifier:
J = estimated value
U = compound not detected at concentration above reporting limit.
Soil Cleanup Objectives = 6 NYCRR Part 375
(Shaded cells > standards)
NA = criteria not available
QC Code: FS=field sample; FD = field duplicate
ND = not detected

Table 4.2: Soil SVOC, Pesticide/PCBs, Metals, TOC, and Hydrocarbon Analytical Results

				Location	DP-01	DP-01 (duplicate)	DP-01	DP-02	DP-03
				Sample Date	10/20/2013	10/20/2013	10/24/2013	10/20/2013	10/20/2013
				Sample ID	932138-DP001002	932138-DP001002XD	932138-DP001004	932138-DP002002	932138-DP003002
				Top Depth	0	0	4	0	0
				Bottom Depth	2	2	5	2	2
				QC Code	FS	FD	FS	FS	FS
Parameter	**Soil Cleanup Objectives**				Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier
Semi Volatile Organic Compounds	**Unrestricted Use**	**Protection Of GW**	**Residential Use**						
2-Methylnaphthalene	NA	NA	NA		**0.033** J	**0.028** J	0.19 U	0.94 U	
Acenaphthene	20	98	100		0.21 U	1.1 U	0.19 U	**0.16** J	
Acenaphthylene	100	107	100		**0.041** J	1.1 U	0.19 U	**1.6**	
Acetophenone	NA	NA	NA		0.21 U	1.1 U	0.19 U	**1.1**	
Anthracene	100	1000	100		**0.015** J	1.1 U	0.19 U	**1.2**	
Benzo(a)anthracene	1	1	1		**0.087** J	**0.24** J	**0.02** J	**1.8**	
Benzo(a)pyrene	1	22	1		**0.14** J	**0.33** J	0.19 U	**2.6**	
Benzo(b)fluoranthene	1	1.7	1		**0.19** J	**0.55** J	0.19 U	**2.6**	
Benzo(ghi)perylene	100	1000	100		**0.085** J	**0.27** J	0.19 U	**0.96**	
Benzo(k)fluoranthene	0.8	1.7	1		**0.079** J	**0.22** J	0.19 U	**1.1**	
Bis(2-Ethylhexyl)phthalate	NA	NA	NA		0.21 U	1.1 U	0.19 U	0.94 U	
Carbazole	NA	NA	NA		0.21 U	1.1 U	0.19 U	0.94 U	
Chrysene	1	1	1		**0.12** J	**0.33** J	**0.02** J	**2.1**	
Di-n-octylphthalate	NA	NA	NA		0.21 U	1.1 U	0.19 U	0.94 U	
Dibenz(a,h)anthracene	0.33	1000	0.33		**0.036** J	**0.13** J	0.19 U	**0.37** J	
Dibenzofuran	7	210	14		0.21 U	1.1 U	0.19 U	**0.15** J	
Fluoranthene	100	1000	100		**0.16** J	**0.53** J	0.19 U	**2.2**	
Fluorene	30	386	100		0.21 U	1.1 U	0.19 U	**0.95**	
Indeno(1,2,3-cd)pyrene	0.5	8.2	0.5		0.21 U	1.1 U	0.19 U	**0.87** J	
Naphthalene	12	12	100		0.21 U	1.1 U	0.19 U	0.94 U	
Phenanthrene	100	1000	100		**0.1** J	**0.43** J	**0.018** J	**2.8**	
Pyrene	100	1000	100		**0.12** J	**0.38** J	**0.034** J	**2.5**	
Pesticides/PCBs									
4,4'-DDE	0.0033	17	1.8		**0.0086** J			0.09 U	**0.03** J
4,4'-DDT	0.0033	136	1.7		0.0084 U			0.09 U	**0.024** J
Dieldrin	0.005	0.1	0.039		**0.019** J			0.09 U	**0.0068** J

Table 4.2: Soil SVOC, Pesticide/PCBs, Metals, TOC, and Hydrocarbon Analytical Results

				Location	DP-01		DP-01 (duplicate)		DP-01		DP-02		DP-03	
				Sample Date	10/20/2013		10/20/2013		10/24/2013		10/20/2013		10/20/2013	
				Sample ID	932138-DP001002		932138-DP001002XD		932138-DP001004		932138-DP002002		932138-DP003002	
				Top Depth	0		0		4		0		0	
				Bottom Depth	2		2		5		2		2	
				QC Code	FS		FD		FS		FS		FS	
Parameter	**Soil Cleanup Objectives**				Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Metals														
Aluminum	NA	NA	NA		**6430**	J					**2540**	J	**7000**	J
Antimony	NA	NA	NA		**0.81**	J					16.1	UJ	19	UJ
Arsenic	13	16	16		**27.4**						**2.5**		**5.4**	
Barium	350	820	350		**169**						**27.7**		**97.2**	
Beryllium	7.2	47	14		**0.83**						**0.16**	J	**0.41**	
Cadmium	2.5	7.5	2.5		**1.6**						**0.16**	J	**0.67**	
Calcium	NA	NA	NA		**19400**						**149000**		**15600**	
Chromium	1	19	22		**19.9**						**5.5**		**15.1**	
Cobalt	NA	NA	NA		**6.2**						**2.2**		**4.6**	
Copper	50	1720	270		**70.8**						**11.5**		**33.5**	
Iron	NA	NA	NA		**22200**	J					**5270**	J	**10400**	J
Lead	63	450	400		**256**						**12.3**		**91.1**	
Magnesium	NA	NA	NA		**5720**	J					**14400**	J	**5550**	J
Manganese	1600	2000	2000		**276**						**387**		**251**	
Nickel	30	130	140		**17.7**						**8**		**16.1**	
Potassium	NA	NA	NA		**754**						**654**		**722**	
Selenium	3.9	4	36		**3.5**	J					4.3	U	**0.89**	J
Silver	2	8.3	36		**1.4**						0.54	U	0.63	U
Sodium	NA	NA	NA		**399**						263	U	168	UJ
Vanadium	NA	NA	NA		**18**						**6.1**		**14.9**	
Zinc	109	2480	2200		**413**						**29**		**190**	
Mercury	0.18	0.73	0.81		**0.23**						0.023	U	**0.19**	
Total Organic Carbon	NA	NA	NA		**126000**				**21800**					
Unknown Hydrocarbons	NA	NA	NA		**93**				19	U				

Notes:
Samples analyzed for:
SVOCs by USEPA Method 8270D;
Pesticides & PCBs by Method 8081B/8082A;
Metals and Mercury by USEPA Method SW6010 and SW7471B, respectively;
Total organic carbon by Lloyd Kahn and Hydrocarbons by NY310.13.
Results in milligrams per kilogram (only detected compounds shown)
(detections in bold)
Blank cells indicate compound not analyzed
ft bgs = feet below ground surface
Qualifier:
J = estimated value
U = compound not detected at concentration above reporting limit.
Soil Cleanup Objectives = 6 NYCRR Part 375
(Shaded cells > standards)
NA = criteria not available
QC Code: FS = Field Sample; FD = Field Duplicate

Table 4.2: Soil SVOC, Pesticide/PCBs, Metals, TOC, and Hydrocarbon Analytical Results

			Location	DP-04		DP-05		DP-05		DP-07		DP-07	
			Sample Date	10/23/2013		10/23/2013		10/23/2013		10/22/2013		10/22/2013	
			Sample ID	932138-DP004005		932138-DP005005		932138-DP005008		932138-DP007004		932138-DP007014	
			Top Depth	5		5		8		4		14	
			Bottom Depth	8		6.5		10.5		6		14.8	
			QC Code	FS		FS		FS		FS		FS	
Parameter	**Soil Cleanup Objectives**			Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Semi Volatile Organic Compounds	**Unrestricted Use**	**Protection Of GW**	**Residential Use**										
2-Methylnaphthalene	NA	NA	NA			**0.3**		0.19	U	0.19	U	0.17	U
Acenaphthene	20	98	100			0.19	U	0.19	U	0.19	U	0.17	U
Acenaphthylene	100	107	100			0.19	U	0.19	U	0.19	U	0.17	U
Acetophenone	NA	NA	NA			**0.78**		0.19	U	0.19	U	0.17	U
Anthracene	100	1000	100			0.19	U	0.19	U	0.19	U	0.17	U
Benzo(a)anthracene	1	1	1			0.19	U	0.19	U	0.19	U	0.17	U
Benzo(a)pyrene	1	22	1			0.19	U	0.19	U	0.19	U	0.17	U
Benzo(b)fluoranthene	1	1.7	1			0.19	U	0.19	U	0.19	U	0.17	U
Benzo(ghi)perylene	100	1000	100			**0.015**	J	**0.011**	J	0.19	U	0.17	U
Benzo(k)fluoranthene	0.8	1.7	1			0.19	U	0.19	U	0.19	U	**0.013**	J
Bis(2-Ethylhexyl)phthalate	NA	NA	NA			0.19	U	0.19	U	0.19	U	0.17	U
Carbazole	NA	NA	NA			0.19	U	0.19	U	0.19	U	0.17	U
Chrysene	1	1	1			0.19	U	0.19	U	0.19	U	0.17	U
Di-n-octylphthalate	NA	NA	NA			0.19	U	0.19	U	0.19	U	0.17	U
Dibenz(a,h)anthracene	0.33	1000	0.33			0.19	U	0.19	U	0.19	U	0.17	U
Dibenzofuran	7	210	14			0.19	U	0.19	U	0.19	U	0.17	U
Fluoranthene	100	1000	100			0.19	U	0.19	U	0.19	U	0.17	U
Fluorene	30	386	100			0.19	U	0.19	U	0.19	U	0.17	U
Indeno(1,2,3-cd)pyrene	0.5	8.2	0.5			**0.015**	J	**0.011**	J	0.19	U	0.17	U
Naphthalene	12	12	100			0.19	U	0.19	U	0.19	U	0.17	U
Phenanthrene	100	1000	100			**0.013**	J	0.19	U	0.19	U	0.17	U
Pyrene	100	1000	100			0.19	U	0.19	U	0.19	U	0.17	U
Pesticides/PCBs													
4,4'-DDE	0.0033	17	1.8										
4,4'-DDT	0.0033	136	1.7										
Dieldrin	0.005	0.1	0.039										

Table 4.2: Soil SVOC, Pesticide/PCBs, Metals, TOC, and Hydrocarbon Analytical Results

				Location	DP-04		DP-05		DP-05		DP-07		DP-07	
				Sample Date	10/23/2013		10/23/2013		10/23/2013		10/22/2013		10/22/2013	
				Sample ID	932138-DP004005		932138-DP005005		932138-DP005008		932138-DP007004		932138-DP007014	
				Top Depth	5		5		8		4		14	
				Bottom Depth	8		6.5		10.5		6		14.8	
				QC Code	FS		FS		FS		FS		FS	
Parameter	**Soil Cleanup Objectives**				Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Metals														
Aluminum	NA	NA	NA											
Antimony	NA	NA	NA											
Arsenic	13	16	16											
Barium	350	820	350											
Beryllium	7.2	47	14											
Cadmium	2.5	7.5	2.5											
Calcium	NA	NA	NA											
Chromium	1	19	22											
Cobalt	NA	NA	NA											
Copper	50	1720	270											
Iron	NA	NA	NA											
Lead	63	450	400											
Magnesium	NA	NA	NA											
Manganese	1600	2000	2000											
Nickel	30	130	140											
Potassium	NA	NA	NA											
Selenium	3.9	4	36											
Silver	2	8.3	36											
Sodium	NA	NA	NA											
Vanadium	NA	NA	NA											
Zinc	109	2480	2200											
Mercury	0.18	0.73	0.81											
Total Organic Carbon	NA	NA	NA		**11100**									
Unknown Hydrocarbons	NA	NA	NA		**900**		**960**		30 U					

Notes:
Samples analyzed for:
SVOCs by USEPA Method 8270D;
Pesticides & PCBs by Method 8081B/8082A;
Metals and Mercury by USEPA Method SW6010 and SW7471B, respectively;
Total organic carbon by Lloyd Kahn and Hydrocarbons by NY310.13.
Results in milligrams per kilogram (only detected compounds shown)
(detections in bold)
Blank cells indicate compound not analyzed
ft bgs = feet below ground surface
Qualifier:
J = estimated value
U = compound not detected at concentration above reporting limit.
Soil Cleanup Objectives = 6 NYCRR Part 375
(Shaded cells > standards)
NA = criteria not available
QC Code: FS = Field Sample; FD = Field Duplicate

Table 4.2: Soil SVOC, Pesticide/PCBs, Metals, TOC, and Hydrocarbon Analytical Results

				Location	DP-09		DP-09		SS-01		SS-02		SS-03	
				Sample Date	10/23/2013		10/23/2013		10/20/2013		10/20/2013		10/20/2013	
				Sample ID	932138-DP009007		932138-DP009008		932138-SS001001		932138-SS002001		932138-SS003001	
				Top Depth	7		8		0		0		0	
				Bottom Depth	8		9		1		1		1	
				QC Code	FS		FS		FS		FS		FS	
Parameter	**Soil Cleanup Objectives**				Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Semi Volatile Organic Compounds	**Unrestricted Use**	**Protection Of GW**	**Residential Use**											
2-Methylnaphthalene	NA	NA	NA		**0.52**	J	**0.13**	J	2.2	U	2.1	U	1.1	U
Acenaphthene	20	98	100		1.8	U	0.19	U	**0.13**	J	2.1	U	1.1	U
Acenaphthylene	100	107	100		1.8	U	0.19	U	2.2	U	2.1	U	1.1	U
Acetophenone	NA	NA	NA		**20**		**3.3**		2.2	U	2.1	U	1.1	U
Anthracene	100	1000	100		1.8	U	0.19	U	**0.57**	J	**0.15**	J	1.1	U
Benzo(a)anthracene	1	1	1		1.8	U	0.19	U	**3.3**		**1.1**	J	**0.54**	J
Benzo(a)pyrene	1	22	1		1.8	U	0.19	U	**3.6**		**1**	J	**0.56**	J
Benzo(b)fluoranthene	1	1.7	1		**0.13**	J	0.19	U	**6.5**		**1.6**	J	**0.83**	J
Benzo(ghi)perylene	100	1000	100		1.8	U	**0.014**	J	**2**	J	**1.1**	J	**0.54**	J
Benzo(k)fluoranthene	0.8	1.7	1		1.8	U	0.19	U	**2.8**		**0.71**	J	**0.31**	J
Bis(2-Ethylhexyl)phthalate	NA	NA	NA		**0.81**	J	**0.11**	J	2.2	U	**7.5**		1.1	U
Carbazole	NA	NA	NA		1.8	U	0.19	U	**0.32**	J	2.1	U	1.1	U
Chrysene	1	1	1		1.8	U	0.19	U	**4.3**		**1.3**	J	**0.62**	J
Di-n-octylphthalate	NA	NA	NA		1.8	U	0.19	U	2.2	U	**8.1**		1.1	U
Dibenz(a,h)anthracene	0.33	1000	0.33		1.8	U	**0.013**	J	**0.64**	J	**0.33**	J	**0.18**	J
Dibenzofuran	7	210	14		1.8	U	0.19	U	2.2	U	2.1	U	1.1	U
Fluoranthene	100	1000	100		1.8	U	0.19	U	**9.1**		**2.4**		**1.3**	
Fluorene	30	386	100		1.8	U	0.19	U	2.2	U	2.1	U	1.1	U
Indeno(1,2,3-cd)pyrene	0.5	8.2	0.5		**0.14**	J	0.19	U	**1.7**	J	**0.87**	J	**0.46**	J
Naphthalene	12	12	100		**3.1**		**0.92**		2.2	U	2.1	U	1.1	U
Phenanthrene	100	1000	100		1.8	U	0.19	U	**3.5**		**1**	J	**0.47**	J
Pyrene	100	1000	100		1.8	U	0.19	U	**5.6**		**1.8**	J	**0.96**	J
Pesticides/PCBs														
4,4'-DDE	0.0033	17	1.8						0.11	U	**0.018**	J	**0.1**	J
4,4'-DDT	0.0033	136	1.7						0.02	U	0.02	U	**0.035**	J
Dieldrin	0.005	0.1	0.039						**0.045**	J	0.1	U	0.042	U

Table 4.2: Soil SVOC, Pesticide/PCBs, Metals, TOC, and Hydrocarbon Analytical Results

				Location	DP-09		DP-09		SS-01		SS-02		SS-03	
				Sample Date	10/23/2013		10/23/2013		10/20/2013		10/20/2013		10/20/2013	
				Sample ID	932138-DP009007		932138-DP009008		932138-SS001001		932138-SS002001		932138-SS003001	
				Top Depth	7		8		0		0		0	
				Bottom Depth	8		9		1		1		1	
				QC Code	FS		FS		FS		FS		FS	
Parameter	**Soil Cleanup Objectives**				Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Metals														
Aluminum	NA	NA	NA						**11300**	J	**8860**	J	**12500**	J
Antimony	NA	NA	NA						17.4	UJ	17.8	UJ	21.8	UJ
Arsenic	13	16	16						**5.4**		**5.2**		**3.8**	
Barium	350	820	350						**101**		**90.6**		**81.9**	
Beryllium	7.2	47	14						**0.62**		**0.55**		**0.62**	
Cadmium	2.5	7.5	2.5						**0.52**		**0.49**		**0.41**	
Calcium	NA	NA	NA						**18400**		**27500**		**11200**	
Chromium	1	19	22						**19.8**		**17.1**		**20.2**	
Cobalt	NA	NA	NA						**7.4**		**7.3**		**7.6**	
Copper	50	1720	270						**28.9**		**31.9**		**24.7**	
Iron	NA	NA	NA						**17800**	J	**14600**	J	**17600**	J
Lead	63	450	400						**86.5**		**176**		**84.8**	
Magnesium	NA	NA	NA						**11100**	J	**14100**	J	**7580**	J
Manganese	1600	2000	2000						**473**		**544**		**419**	
Nickel	30	130	140						**21.4**		**28.2**		**27.3**	
Potassium	NA	NA	NA						**1270**		**1270**		**1080**	
Selenium	3.9	4	36						4.6	U	4.7	U	5.8	U
Silver	2	8.3	36						0.58	U	0.59	U	0.73	U
Sodium	NA	NA	NA						252	U	231	U	163	UJ
Vanadium	NA	NA	NA						**23.4**		**20.7**		**24.4**	
Zinc	109	2480	2200						**149**		**123**		**99.3**	
Mercury	0.18	0.73	0.81						**0.11**		**0.14**		**0.066**	
Total Organic Carbon	NA	NA	NA											
Unknown Hydrocarbons	NA	NA	NA											

Notes:
Samples analyzed for:
SVOCs by USEPA Method 8270D;
Pesticides & PCBs by Method 8081B/8082A;
Metals and Mercury by USEPA Method SW6010 and SW7471B, respectively;
Total organic carbon by Lloyd Kahn and Hydrocarbons by NY310.13.
Results in milligrams per kilogram (only detected compounds shown)
(detections in bold)
Blank cells indicate compound not analyzed
ft bgs = feet below ground surface
Qualifier:
J = estimated value
U = compound not detected at concentration above reporting limit.
Soil Cleanup Objectives = 6 NYCRR Part 375
(Shaded cells > standards)
NA = criteria not available
QC Code: FS = Field Sample; FD = Field Duplicate

Table 4.3: Groundwater VOC Analytical Results

	Location	BR-01		BR-01 (duplicate)		BR-02		BR-03		DP-04		DP-07	
	Sample Date	10/24/2013		10/24/2013		10/22/2013		10/23/2013		10/24/2013		10/24/2013	
	Sample ID	932138-BR001015		932138-BR001015DUP		932138-BR002015		932138-BR003015		932138-DP004010		932138-DP007010	
	Top Depth	15		15		12.5		12.9		3.9		1.6	
	Bottom Depth	20		20		17.5		17.9		8.9		11.6	
	QC Code	FS		FD		FS		FS		FS		FS	
Parameter	**GA**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,1-Dichloroethene	5	50	U	50	U	1	U	20	U	10	U	10	U
2-Butanone	50*	500	U	500	U	10	U	200	U	100	U	100	U
Acetone	50*	500	U	500	U	10	U	200	U	100	U	**34**	J
Benzene	1	50	U	50	U	1	U	20	U	10	U	10	U
Carbon disulfide	60*	50	U	50	U	**3.3**		20	U	10	U	10	U
Chloroethane	5	50	U	50	U	**0.73**	J	20	U	10	U	10	U
Chloroform	7	50	U	50	U	1	U	20	U	10	U	10	U
Cis-1,2-Dichloroethene	5	**3400**		**3500**		**21**		**490**		**520**		**660**	
Cyclohexane	NA	50	U	50	U	**15**		**35**		**48**		10	U
Ethyl benzene	5	50	U	50	U	**12**		**43**		**180**		10	U
Isopropylbenzene	5	50	U	50	U	**52**		**87**		**210**		10	U
Methyl cyclohexane	NA	50	U	50	U	**21**		**54**		**130**		10	U
Methylene chloride	5	50	U	50	U	1	U	20	U	10	U	10	U
Tetrachloroethene	5	**150**		**150**		**1.1**		20	U	10	U	**36**	
Toluene	5	50	U	50	U	1	U	20	U	**22**		10	U
trans-1,2-Dichloroethene	5	**56**		**64**		**1.4**		**21**		**10**		**9.8**	J
Trichloroethene	5	**67**		**75**		**0.8**	J	20	U	10	U	**6.7**	J
Vinyl chloride	2	**630**		**650**		**41**		**1100**		10	U	**130**	
Xylenes, Total	5	100	U	100	U	**12**		**740**		**2200**		20	U

Notes:
Samples analyzed for VOCs by USEPA Method 8260C;
Results in micrograms per liter (only detected compounds shown) **(detections in bold)**
ft bgs = feet below ground surface
GA = Class GA Groundwater standards; * designates guidance value.
(Shaded cells > standards)
NA = criteria not available
Qualifier: J = estimated value; U = compound not detected at concentration above reporting limit.
QC Code: FS = Field Sample; FD = Field Duplicate

Table 4.3: Groundwater VOC Analytical Results

	Location	DP-22		DP-23		DP-24		DP-25		MW-2		MW-3	
	Sample Date	10/24/2013		10/24/2013		10/24/2013		10/24/2013		10/22/2013		10/23/2013	
	Sample ID	932138-GW022008		932138-GW023008		932138-DP024010		932138-DP025010		932138-MW002010		932138-MW003010	
	Top Depth	6		8.8		7.9		5		4		6	
	Bottom Depth	11		13.8		17.9		15		14		14	
	QC Code	FS		FS		FS		FS		FS		FS	
Parameter	**GA**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,1-Dichloroethene	5	1	U	1	U	1	U	1	U	50	U	**17**	J
2-Butanone	50*	**4.8**	J	10	U	**2.9**	J	**3.8**	J	500	U	500	U
Acetone	50*	**16**		**3.3**	J	**7.7**	J	**7.2**	J	500	U	500	U
Benzene	1	1	U	**0.41**	J	1	U	1	U	50	U	50	U
Carbon disulfide	60*	**0.25**	J	1	U	**0.23**	J	1	U	50	U	50	U
Chloroethane	5	1	U	1	U	1	U	1	U	50	U	50	U
Chloroform	7	1	U	1	U	1	U	1	U	50	U	50	U
Cis-1,2-Dichloroethene	5	1	U	**19**		**1.9**		1	U	**1000**		**9000**	
Cyclohexane	NA	1	U	**0.19**	J	1	U	1	U	50	U	**36**	J
Ethyl benzene	5	1	U	1	U	1	U	1	U	50	U	**74**	
Isopropylbenzene	5	1	U	1	U	1	U	1	U	50	U	**88**	
Methyl cyclohexane	NA	1	U	**0.21**	J	**0.17**	J	1	U	50	U	**69**	
Methylene chloride	5	1	U	1	U	1	U	1	U	50	U	50	U
Tetrachloroethene	5	1	U	1	U	1	U	1	U	**2100**		50	U
Toluene	5	1	U	1	U	1	U	1	U	50	U	50	U
trans-1,2-Dichloroethene	5	1	U	1	U	1	U	1	U	50	U	**160**	
Trichloroethene	5	1	U	1	U	1	U	1	U	**370**		50	U
Vinyl chloride	2	1	U	1	U	1	U	1	U	**120**		**2700**	
Xylenes, Total	5	2	U	2	U	2	U	2	U	100	U	**490**	

Notes:
Samples analyzed for VOCs by USEPA Method 8260C;
Results in micrograms per liter (only detected compounds shown) **(detections in bold)**
ft bgs = feet below ground surface
GA = Class GA Groundwater standards;
* designates guidance value.
(Shaded cells > standards)
NA = criteria not available
Qualifier: J = estimated value; U = compound not detected at concentration above reporting limit.
QC Code: FS = Field Sample;
FD = Field Duplicate

Table 4.3: Groundwater VOC Analytical Results

	Location	MW-4		MW-4 (duplicate)		MW-5		MW-7		SP-01		SP-02	
	Sample Date	10/23/2013		10/23/2013		10/22/2013		10/22/2013		10/24/2013		10/24/2013	
	Sample ID	932138-MW004010		932138-MW004010XD		932138-MW005010		932138-MW007010		932138-SP001010		932138-SP002010	
	Top Depth	4		4		4		3		2		2	
	Bottom Depth	12		12		10		10		12		12	
	QC Code	FS		FD		FS		FS		FS		FS	
Parameter	**GA**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,1-Dichloroethene	5	**20**	J	50	U	10	U	1	U	1	U	1	U
2-Butanone	50*	500	U	500	U	100	U	10	U	10	U	10	U
Acetone	50*	500	U	500	U	100	U	10	U	10	U	10	U
Benzene	1	50	U	50	U	10	U	1	U	1	U	1	U
Carbon disulfide	60*	50	U	50	U	10	U	1	U	1	U	1	U
Chloroethane	5	50	U	50	U	10	U	1	U	1	U	1	U
Chloroform	7	50	U	50	U	10	U	1	U	1	U	1	U
Cis-1,2-Dichloroethene	5	**7100**		**9200**		**120**		**12**		1	U	1	U
Cyclohexane	NA	50	U	50	U	10	U	**10**		1	U	1	U
Ethyl benzene	5	**48**	J	**50**		10	U	**8**		1	U	1	U
Isopropylbenzene	5	**44**	J	**47**	J	10	U	**13**		1	U	1	U
Methyl cyclohexane	NA	**15**	J	**19**	J	10	U	**13**		1	U	1	U
Methylene chloride	5	50	U	50	U	**4.4**	J	1	U	1	U	1	U
Tetrachloroethene	5	50	U	50	U	**660**		**0.77**	J	1	U	1	U
Toluene	5	50	U	50	U	10	U	1	U	1	U	1	U
trans-1,2-Dichloroethene	5	**120**		**120**		10	U	1	U	1	U	1	U
Trichloroethene	5	50	U	50	U	**100**		**0.73**	J	1	U	1	U
Vinyl chloride	2	**52**		**51**		10	U	1	U	1	U	1	U
Xylenes, Total	5	**260**		**260**		20	U	2	U	2	U	2	U

Notes:
Samples analyzed for VOCs by USEPA Method 8260C;
Results in micrograms per liter (only detected compounds shown) **(detections in bold)**
ft bgs = feet below ground surface
GA = Class GA Groundwater standards;
* designates guidance value.
(Shaded cells > standards)
NA = criteria not available
Qualifier: J = estimated value; U = compound not detected at concentration above reporting limit.
QC Code: FS = Field Sample;
FD = Field Duplicate

Table 4.3: Groundwater VOC Analytical Results

	Location	SP-03		SP-04		SP-05		SP-06		SP-08		SP-10	
	Sample Date	10/24/2013		10/24/2013		10/24/2013		10/24/2013		10/24/2013		10/24/2013	
	Sample ID	932138-SP003010		932138-SP004010		932138-SP005010		932138-SP006010		932138-SP008010		932138-SP010010	
	Top Depth	2		3.5		2		2		5		5	
	Bottom Depth	12		11		12		12		15		10	
	QC Code	FS		FS		FS		FS		FS		FS	
Parameter	**GA**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,1-Dichloroethene	5	20	U	1	U	8	U	50	U	10	U	1	U
2-Butanone	50*	200	U	10	U	80	U	500	U	100	U	10	U
Acetone	50*	200	U	10	U	80	U	500	U	100	U	10	U
Benzene	1	20	U	1	U	8	U	50	U	10	U	1	U
Carbon disulfide	60*	20	U	1	U	8	U	50	U	10	U	1	U
Chloroethane	5	20	U	1	U	8	U	50	U	10	U	1	U
Chloroform	7	20	U	1	U	8	U	50	U	10	U	1	U
Cis-1,2-Dichloroethene	5	**1400**		1	U	**420**		**2100**		**480**		1	U
Cyclohexane	NA	20	U	1	U	8	U	50	U	10	U	1	U
Ethyl benzene	5	20	U	1	U	8	U	50	U	10	U	1	U
Isopropylbenzene	5	20	U	1	U	8	U	50	U	10	U	1	U
Methyl cyclohexane	NA	20	U	1	U	8	U	50	U	10	U	1	U
Methylene chloride	5	20	U	1	U	**3.5**	J	50	U	10	U	1	U
Tetrachloroethene	5	**760**		**2.8**		**170**		**100**		**30**		**4.3**	
Toluene	5	20	U	1	U	8	U	50	U	10	U	1	U
trans-1,2-Dichloroethene	5	**28**		1	U	8	U	50	U	10	U	1	U
Trichloroethene	5	**210**		**3.1**		**60**		**39**	J	**35**		1	U
Vinyl chloride	2	**89**		1	U	8	U	**340**		10	U	1	U
Xylenes, Total	5	40	U	2	U	16	U	100	U	20	U	2	U

Notes:
Samples analyzed for VOCs by USEPA Method 8260C;
Results in micrograms per liter (only detected compounds shown) **(detections in bold)**
ft bgs = feet below ground surface
GA = Class GA Groundwater standards;
* designates guidance value.
(Shaded cells > standards)
NA = criteria not available
Qualifier: J = estimated value; U = compound not detected at concentration above reporting limit.
QC Code: FS = Field Sample;
FD = Field Duplicate

Table 4.3: Groundwater VOC Analytical Results

	Location	SP-11		SP-13		SP-17		SP-19		SP-22	
	Sample Date	10/23/2013		10/24/2013		10/24/2013		10/24/2013		10/23/2013	
	Sample ID	932138-SP011010		932138-SP013010		932138-SP017010		932138-SP019010		932138-SP022010	
	Top Depth	6		5		5		5		6	
	Bottom Depth	11		15		15		15		11	
	QC Code	FS		FS		FS		FS		FS	
Parameter	**GA**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,1-Dichloroethene	5	**28**	J	1	U	1	U	2	U	1	U
2-Butanone	50*	500	U	10	U	10	U	20	U	10	U
Acetone	50*	500	U	10	U	10	U	20	U	10	U
Benzene	1	50	U	1	U	1	U	2	U	1	U
Carbon disulfide	60*	**13**	J	1	U	1	U	2	U	1	U
Chloroethane	5	50	U	1	U	1	U	2	U	1	U
Chloroform	7	50	U	1	U	1	U	2	U	**0.61**	J
Cis-1,2-Dichloroethene	5	**18000**		1	U	**69**		**130**		**4.7**	
Cyclohexane	NA	**20**	J	1	U	1	U	2	U	1	U
Ethyl benzene	5	50	U	1	U	1	U	2	U	1	U
Isopropylbenzene	5	50	U	1	U	1	U	2	U	1	U
Methyl cyclohexane	NA	**57**		1	U	1	U	2	U	1	U
Methylene chloride	5	50	U	1	U	1	U	2	U	1	U
Tetrachloroethene	5	**50000**		1	U	**11**		**3.8**		**7.6**	
Toluene	5	50	U	1	U	1	U	2	U	1	U
trans-1,2-Dichloroethene	5	**180**		1	U	**1.1**		2	U	1	U
Trichloroethene	5	**16000**		**0.47**	J	**4.9**		**4.4**		**7.4**	
Vinyl chloride	2	**87**		1	U	1	U	2	U	1	U
Xylenes, Total	5	**58**	J	2	U	2	U	4	U	2	U

Notes:
Samples analyzed for VOCs by USEPA Method 8260C;
Results in micrograms per liter (only detected compounds shown) **(detections in bold)**
ft bgs = feet below ground surface
GA = Class GA Groundwater standards;
* designates guidance value.
(Shaded cells > standards)
NA = criteria not available
Qualifier: J = estimated value; U = compound not detected at concentration above reporting limit.
QC Code: FS = Field Sample;
FD = Field Duplicate

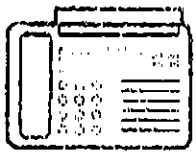
Table 4.4: Groundwater MNA Analytical Results

		Location	BR-03		MW-4		MW-5		SP-03		SP-11		SP-22	
		Sample Date	10/23/2013		10/23/2013		10/22/2013		10/24/2013		10/23/2013		10/23/2013	
		Sample ID	932138-BR003015		932138-MW004010		932138-MW005010		932138-SP003010		932138-SP011010		932138-SP022010	
		Top Depth	12.9		4		4		2		6		6	
		Bottom Depth	17.9		12		10		12		11		11	
Parameter	**GA**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Iron	0.3	mg/L	**4.4**		**8.7**		**0.26**		**2.7**		**1.4**			
Manganese	0.3	mg/L							**1.2**					
Total Alkalinity, as CaCO3	NA	mg/L	**429**		**209**		**306**		**465**		**414**		**400**	
Total Organic Carbon	NA	mg/L	**6**		**7.5**		**5.2**		**1.4**		**15.7**			
Chloride	250	mg/L	**33.6**		**9**		**29.5**		**92.7**		**68.6**		**25.2**	
Nitrate as N	10	mg/L	0.05	U	**0.039**	J	**1.9**		**3**		**0.47**		**8.4**	
Sulfate	250	mg/L	**4.4**		**6.9**		**80.5**		**97.7**		**18.7**		**26.9**	
Carbon Dioxide	NA	µg/L	**16000**		**14000**		**20000**		**18000**		**28000**		**14000**	
Ethane	NA	µg/L	7.5	U	7.5	U	7.5	U	7.5	U	7.5	U		
Ethene	NA	µg/L	**140**		**9.7**		7	U	**1.5**	J	**2.1**	J		
Methane	NA	µg/L	**2100**		**83**		4	U	**8.4**		**190**			
Sulfide	0.05*	mg/L	0.1	U	**0.053**	J	0.1	U	0.1	U	0.1	U		
Reduction-Oxidation	NA	mv	**-110**		**-167**		**20.2**		**NA**		**-37.9**		**14.3**	
Dissolved Oxygen	NA	mg/L	**0.39**		**0.31**		**2.8**		**NA**		**0.39**		**1.8**	

Notes
Samples analyzed for Monitored Natural Attenuation (MNA) parameters:
Tootal Organic Carbon by Method SM 5310B, chloride/nitrate/nitrite/sulfate by EPA Method 300, sulfide by Method SM 4500D S, methane/ethane/ethene/CO2 by Method RSK-175, alkalinity by Method SM 2320B, and iron and manganese by USEPA Method 6010B.
Reduction-Oxidation Potential and Dissolved Oxygen measured in the field.
(detections in bold)
Blank cells indicate not analyzed.
Units as noted; mg/L = milligrams per liter, µg/L = micrograms per liter, mv = millivolts.
GA = Class GA Groundwater standards; * designates guidance value.
(Shaded cells > standards)
Qualifier:
J = estimated value
U = compound not detected at concentration above reporting limit.
NA = Not Available

FAX

Suburban Carting
566 North State Road
Briarcliff Manor, NY 10510
(914) 698-4300



To: Brian
Fax number: 518-885-5385

From: MJ Guillen
Fax number: (914) 698-0364

Date: 7/22/14

Regarding: Weight tickets

Phone number for follow-up:
(914) 873-8217

7 pgs (incl cover)

Comments: Brian, Here are the weight tickets associated with Inv# 409145 per your request. MJ

Visit us on the web: www.suburbancarting.com

INVOICE

SUBURBAN CARTING CO.
566 North State Road Briarcliff Manor, NY 10510
(914) 698-4300

INVOICE NO.	0000409145
PAGE	1
DATE	Jun-30-14
CUSTOMER NO.	37694
SITE NO.	0
REFERENCE NO.	

Aztech Technologies Inc.
5 McCrea Hill Road
Ballston Spa, NY 12020

AMOUNT DUE	$1,885.32
AMOUNT PAID	

DATE	DESCRIPTION	REFERENCE	RATE	QTY	AMOUNT
30 - Jun	Admin Fee	AD695199	$0.95	1.00	$0.95
30 - Jun	New Rochelle (city) at 8.375% on $0.95				$0.08
				Site Total	$1.03
	(0001) NYSDEC Project 10 Bartels Place, New Rochelle NY				
	Serv #001 Garbage RO Container Temp 10.00				
04 - Jun	Dump & Return W.O.#:107923	TOM	$405.00	1.00	$405.00
05 - Jun	Dump & Remove W.O.#:319569	TOM	$405.00	1.00	$405.00
05 - Jun	Construction Waste Tons C & D	RI-164688	$92.00	0.20 TN	$18.40
	Serv #003 Garbage RO Container Temp 10.00				
12 - Jun	Dump & Return W.O.#:320012	TOM	$405.00	1.00	$405.00
12 - Jun	Construction Waste Tons C & D	RI-165117	$92.00	1.02 TN	$93.84

[redacted]

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Make Checks Payable To:
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PO Box 5102
White Plains N.Y. 10602-5102

[ ] Pay by Credit Card

Card # _____
Expiration _____
Signature _____

SUBURBAN CARTING CO.
566 North State Road Briarcliff Manor, NY 10510
(914) 698-4300

INVOICE

INVOICE NO.	0000409145
PAGE	2
DATE	Jun-30-14
CUSTOMER NO.	37694
SITE NO.	0
REFERENCE NO.	

Aztech Technologies Inc.
5 McCrea Hill Road
Ballston Spa, NY 12020

AMOUNT DUE	$1,885.32
AMOUNT PAID	

DATE	DESCRIPTION	REFERENCE	RATE	QTY	AMOUNT
13 - Jun	Dump & Remove W.O.#:320148	tommy	$405.00	1.00	$405.00
13 - Jun	Solid Waste Tons MSW	RI-165198	$92.00	0.07 TN	$6.44
30 - Jun	New Rochelle (city) at 8.375% on $1,738.68				$145.61
				Site Total	$1,884.29

SUBURBAN CARTING CO

IMPORTANT- Please submit ALL payments with the invoice stub to ensure proper payment application or write account and invoice numbers on your check!

CURRENT	31 - 60 DAYS	61 - 90 DAYS	OVER 90 DAYS
$1,885.32	$0.00	$0.00	$0.00

TOTAL INVOICE	$1,885.32
PLEASE PAY THIS AMOUNT	$1,885.32

INVOICE NO.	0000409145
PAGE	2
DATE	Jun-30-14
CUSTOMER NO.	37694
SITE NO.	0
REFERENCE NO.	

SUBURBAN CARTING CO.
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Suburban Carting
PO Box 5102
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REMITTANCE AMOUNT

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Card # _____
Expiration _____
Signature _____

Recycling Industries Transfer Station
306 Fayette Avenue
Mamaroneck, NY 10543
Phone (914) 698-9161

Ticket: 164625
Date: 6/4/2014
Time: 12:02:29 - 12:16:01

		Scale	
Gross:	39660 lb	In	Scale 1
Tare:	36560 lb	Out	Scale 1
Net:	3100 lb		

Truck: R1
Customer: 83213I/SANI-PRO DISPOSAL
Carrier: 44709/SANI-PRO DISPOSAL SER

Trailer: 134
License: 62639MC
Truck Type: Tractor

Comment:

Origin	Materials & Services	Quantity	Unit
6862/Westchester	100% of C&D-TON/Construction and I	1.55	ton

Driver: Kevin Ryan

Deputy Weighmaster: _____
Carmen Raplee

Suburban Carting Co. 107923
566 North State Road
Briarcliff Manor, N.Y. 10510
914-698-4300 Fax 914-873-8265

Billing Name Keyspec Printed
Billing Address 10 Bartels Plaza
Site Address New Rochelle
Date 6/4/14 Phone _____ Acct# _____
Contact _____ PO# _____

Commercial
☐ Trash ☐ Recycling
☐ Clean Out ☐ Compacted
☐ X-PU ☐ Missed PU
Size _____ Quantity _____
Size _____ Quantity _____

Roll-Off
☑ DRT ☐ Removal
☐ Dry Run ☐ Relocate
☐ Delivery ☐ Other _____
Size 10yd Quantity _____
Size _____ Quantity _____
Load Content _____

Temp Boxes
Time _____ Amt. _____ ☐ On Acct.
☐ C.O.D. ☐ Cash Ck. # _____ C.C. # _____

Comments: Box

Truck # R-1 Disposal Site Ric Tons 1.55

By signing this ticket below, the customer agrees to all terms and conditions printed on the back of this ticket and agrees with the information on the front of the ticket.

Print Name & Title: _____
Signature: _____ Date: _____
Driver Signature: Kevin Ryan

(DRIVER COPY)

Suburban Carting Company
566 North State Road
Briarcliff Manor, NY 10510
Phone: (914) 698-4300

Work Order #: 319569

tom

CUSTOMER INFORMATION

Customer: NYSDEC Project
Site: 10 Bartels Place
Location: New Rochelle NY 10801
Contact:

Customer No.: 37694
Site No.: 1
Service: 1
Telephone: (518) 885-5383

SERVICE INFORMATION

Type: Garbage RO Container Temp
Activity: Dump & Return
Qty: 1.00
Size: 10.00
Date: Thursday, June 6, 2014
Route: 4634 0.03

Site Notes:

Service Notes: REMOVE

WO Notes: drt 10 yrd DUMP AT RIC tm 6/4

Customer: _____ **Driver:** _____

ALL OVERWEIGHT TICKETS CHARGED TO CUSTOMERS

WARNING LOADING INSTRUCTIONS-CONTAINER IS NOT TO BE LOADED WITH HAZARDOUS, TOXIC, FLAMMABLE, LIQUIDS, SOLIDS OR GASES. ALL CONTAINERS MUST BE LOADED BELOW THE SIDES. ALL MATERIALS THAT ARE LOADED ABOVE SIDES WILL BE DUMPED OFF. CUSTOMER AGREES TO THE SERVICE PERFORMED ABOVE. CUSTOMER HOLDS COMPANY HARMLESS FOR ANY DAMAGES DONE BY COMPANY TRUCKS, DRIVER OR CONTAINER AND FURTHER AGREES TO BE RESPONSIBLE FOR ANY DAMAGES OR INJURIES WHILE CONTAINER IS UNDER CUSTOMER'S CARE.

Recycling Industries Transfer Station
306 Fayette Avenue
Mamaroneck, NY 10543
Phone (914) 698-9161

Ticket: 164688
Date: 6/5/2014
Time: 09:42:11 - 09:50:26

			Scale
Gross:	40560 lb	In	Scale 1
Tare:	36160 lb	Out	Scale 1
Net:	4400 lb		

Truck: R25
Customer: 83213i/SANI-PRO DISPOSAL
Carrier: 44709/SANI-PRO DISPOSAL SER'

Trailer: 134
License: 68983JW
Truck Type: Tractor

Comment:

Origin	Materials & Services	Quantity	Unit
6862/Westchester	100% of C&D-TON/Construction and I	2.20	ton

Driver: _____

Deputy Weighmaster: _____
Carmen Raplee

(DRIVER COPY)

Suburban Carting Company
566 North State Road
Briarcliff Manor, NY 10510
Phone: (914) 698-4300

Work Order #: 320012

TOM

CUSTOMER INFORMATION

Customer: NYSDEC Project
Site: 10 Bartels Place
Location: New Rochelle NY 10801
Contact:

Customer No.: 37694
Site No.: 1
Service: 3
Telephone: (518) 885-5383

SERVICE INFORMATION

Type: Garbage RO Container Temp
Activity: Dump & Return
Qty: 1.00
Size: 10.00
Date: Thursday, June 12, 2014
Route: 4609 4.02

Site Notes:

Service Notes:

WO Notes: DRT 10YD AS EARLY AS POSSIBLE DUMP AT RIC LM 6/11

Customer: _____ **Driver:** Kevin Ryan

ALL OVERWEIGHT TICKETS CHARGED TO CUSTOMERS

WARNING LOADING INSTRUCTIONS-CONTAINER IS NOT TO BE LOADED WITH HAZARDOUS, TOXIC, FLAMMABLE, LIQUIDS, SOLIDS OR GASES. ALL CONTAINERS MUST BE LOADED BELOW THE SIDES. ALL MATERIALS THAT ARE LOADED ABOVE SIDES WILL BE DUMPED OFF. CUSTOMER AGREES TO THE SERVICE PERFORMED ABOVE. CUSTOMER HOLDS COMPANY HARMLESS FOR ANY DAMAGES DONE BY COMPANY TRUCKS, DRIVER OR CONTAINER AND FURTHER AGREES TO BE RESPONSIBLE FOR ANY DAMAGES OR INJURIES WHILE CONTAINER IS UNDER CUSTOMER'S CARE.

Recycling Industries Transfer Station
306 Fayette Avenue
Mamaroneck, NY 10543
Phone (914) 698-9161

Ticket: 165117
Date: 6/12/2014
Time: 07:26:35 - 07:43:34

		Scale	
Gross:	42820 lb	In	Scale 1
Tare:	36780 lb	Out	Scale 1
Net:	6040 lb		

Truck: R1
Customer: 83213I/SANI-PRO DISPOSAL
Carrier: 44709/SANI-PRO DISPOSAL SER'
Trailer: 104H
License: 62\.J9MC
Truck Type: Tractor

Comment:

Origin	Materials & Services	Quantity	Unit
6862/Westchester	100% of C&D-TON/Construction and I	3.02	ton

Driver: Kevin Ryan

Deputy Weighmaster: _____
Carmen Raplee

(DRIVER COPY)

Suburban Carting Company
566 North State Road
Briarcliff Manor, NY 10510
Phone: (914) 698-4300

Work Order #: 320148

tommy

CUSTOMER INFORMATION

Customer: NYSDEC Project
Site: 10 Bartels Place
Location: New Rochelle NY 10801
Contact:

Customer No.: 37694
Site No.: 1
Service: 3
Telephone: (518) 885-5383

SERVICE INFORMATION

Type: Garbage RO Container Temp
Activity: Dump & Remove
Qty: 1.00
Size: 10.00
Date: Friday, June 13, 2014
Route: 5610 0.02

Site Notes: #104 H

Service Notes:

WO Notes: drm 10.yrd DUMP AT RIC tb 6/12

Customer: _____ **Driver:** _____

ALL OVERWEIGHT TICKETS CHARGED TO CUSTOMERS

WARNING LOADING INSTRUCTIONS-CONTAINER IS NOT TO BE LOADED WITH HAZARDOUS, TOXIC, FLAMMABLE, LIQUIDS, SOLIDS OR GASES. ALL CONTAINERS MUST BE LOADED BELOW THE SIDES. ALL MATERIALS THAT ARE LOADED ABOVE SIDES WILL BE DUMPED OFF. CUSTOMER AGREES TO THE SERVICE PERFORMED ABOVE. CUSTOMER HOLDS COMPANY HARMLESS FOR ANY DAMAGES DONE BY COMPANY TRUCKS, DRIVER OR CONTAINER AND FURTHER AGREES TO BE RESPONSIBLE FOR ANY DAMAGES OR INJURIES WHILE CONTAINER IS UNDER CUSTOMER'S CARE.

Recycling Industries Transfer Station
306 Fayette Avenue
Mamaroneck, NY 10543
Phone (914) 698-9161

Ticket: 165198
Date: 6/13/2014
Time: 07:59:47 - 08:15:01

			Scale
Gross:	39540 lb	In	Scale 1
Tare:	35400 lb	Out	Scale 1
Net:	4140 lb		

Truck: R27
Customer: 83213I/SANI-PRO DISPOSAL
Carrier: 44709/SANI-PRO DISPOSAL SER

Trailer: 104H
License: 68984JW
Truck Type: Tractor

Comment:

Origin	Materials & Services	Quantity	Unit
6862/Westchester	100% of MSW-TON/MSW-10	2.07	ton

Driver: _____

Deputy Weighmaster: _____
Carmen Raplee

D19215

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000208967	1	518-885-5383	013133054 JJK

GENERATOR

5. Generator's Name and Mailing Address
NYSDEC
625 Broadway -12th Floor
Albany, NY 10001
Generator's Phone: 518-337-7635

Generator's Site Address (if different than mailing address)
NYSDEC Central Office
10 Bartels Place
New Rochelle, NY 10801

6. Transporter 1 Company Name: Auchter Ind Vac Svc. — U.S. EPA ID Number: NJD980772768

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Clean Earth of North Jersey
105 Jacobus Ave.
Kearny, NJ 07032
Facility's Phone: (973)-344-4004

U.S. EPA ID Number: NJD991291105

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	RQ, NA3077, Hazardous waste, solid, n.o.s. (Tetrachloroethylene), 9, PGIII	1	CM	20	Y	F001
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information

Sales Order 8658 Document #: D19215

1)ERG#171 143081406

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Tom Gramichael on Behalf of NYSDEC — Signature: [signature] — Month: 6 — Day: 11 — Year: 14

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: MARINUS TAVERNIER — Signature: Marinus Tavernier — Month: 6 — Day: 11 — Year: 14

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Need: 38,380

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

RECEIVED PENDING MANIFEST REVIEW AND QUALITY CONTROL

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Joe Bonne — Signature: Joseph Bonne — Month: 6 — Day: 11 — Year: 14

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

D19216

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000208967	1	518-885-5383	013133055 JJK

GENERATOR

5. Generator's Name and Mailing Address
NYSDEC
625 Broadway -12th Floor
Albany, NY 10001
Generator's Phone: 518-337-7635

Generator's Site Address (if different than mailing address)
NYSDEC Central Office
10 Bartels Place
New Rochelle, NY 10801

6. Transporter 1 Company Name: Auchter Ind Vac Svc. — U.S. EPA ID Number: NJD980772768

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Clean Earth of North Jersey
105 Jacobus Ave.
Kearny, NJ 07032
Facility's Phone: (973)-344-4004

U.S. EPA ID Number: NJD991291105

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	RQ, NA3077, Hazardous waste, solid, n.o.s. (Tetrachloroethylene), 9, PGIII	1	CM	30	P	F001
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Sales Order 8659 Document #: D19216
1)ERG#171 143081406

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Tom Grimaldi for NYSDEC — Signature — Month 6 Day 11 Year 14

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: MARIUS TAVERNIER — Signature — Month 6 Day 11 Year 14

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☑ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Rec'd: 45,660
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

RECEIVED PENDING MANIFEST REVIEW AND QUALITY CONTROL

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Joe Barone — Signature: Joseph Barone — Month 6 Day 11 Year 14

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

D19217

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000208967	1	518-885-5383	013133056 JJK

GENERATOR

5. Generator's Name and Mailing Address
NYSDEC
625 Broadway -12th Floor
Albany, NY 10001
Generator's Phone: 518-337-7635

Generator's Site Address (if different than mailing address)
NYSDEC Central Office
10 Bartels Place
New Rochelle, NY 10801

6. Transporter 1 Company Name: Auchter Ind Vac Svc. — U.S. EPA ID Number: NJD980772768

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Clean Earth of North Jersey
105 Jacobus Ave.
Kearny, NJ 07032
Facility's Phone: (973)-344-4004
U.S. EPA ID Number: NJD991291105

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, NA3077, Hazardous waste, solid, n.o.s. (Tetrachloroethylene), 9, PGIII	1	CM	20	Y	F001
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Sales Order 8660 Document #: D19217
1)ERG#171 143081406

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Tom Gianichael on Behalf of NYSDEC — Signature: [signature] on Behalf of NYSDEC — Month 6 Day 11 Year 14

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: MARINUS TAVERNIER — Signature: Marinus Tavernier — Month 6 Day 11 Year 14
Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Rec'd: 38,940 LBS
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number:
RECEIVED PENDING MANIFEST REVIEW AND QUALITY CONTROL
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Doug Murias — Signature: [signature] — Month 6 Day 11 Year 14

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

D19322

Please print (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000208967	1	518-885-6393	013133058 JJK

GENERATOR

5. Generator's Name and Mailing Address
NYSDEC
625 Broadway -12th Floor
Albany, NY 10001
Generator's Phone: 518-337-7635

Generator's Site Address (if different than mailing address)
NYSDEC Central Office
10 Bartels Place
New Rochelle, NY 10801

6. Transporter 1 Company Name: Auchter Ind Vac Svc. — U.S. EPA ID Number: NJD980772768

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Clean Earth of North Jersey
105 Jacobus Ave.
Kearny, NJ 07032
Facility's Phone: (973)-344-4004
U.S. EPA ID Number: NJD991291105

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, NA3077, Hazardous waste, solid, n.o.s. (Tetrachloroethylene), 9, PGIII	1	CM	20	Y	F001
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Sales Order 8663 Document #: D19222
1)ERG#171 143081406

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Tom Carmichael on behalf of NYSDEC — Signature: [signature] — Month 6 Day 13 Year 14

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: ______ Date leaving U.S.:
Transporter signature (for exports only):

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: MARINUS TAVERNIER — Signature: Marinus Tavernier — Month 6 Day 13 Year 14
Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Rec'd 40340 lbs
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
RECEIVED PENDING MANIFEST REVIEW AND QUALITY CONTROL
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Doug Moriani — Signature: [signature] — Month 6 Day 13 Year 14

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

D19223

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000208967	1	518-885-5383	013132604 JJK

GENERATOR

5. Generator's Name and Mailing Address

NYSDEC
625 Broadway -12th Floor
Albany, NY 10001
Generator's Phone: 518-337-7635

Generator's Site Address (if different than mailing address)

NYSDEC Central Office
10 Bartels Place
New Rochelle, NY 10801

6. Transporter 1 Company Name — U.S. EPA ID Number

Auchter Ind Vac Svc. — NJD980772768

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address — U.S. EPA ID Number

Clean Earth of North Jersey
105 Jacobus Ave.
Kearny, NJ 07032
Facility's Phone: (973)-344-4004

NJD991291105

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	RQ, NA3077, Hazardous waste, solid, n.o.s. (Tetrachloroethylene), 9, PGIII	1	CM	20	Y	F001
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information

Sales Order 8664 Document #: D19223

1)ERG#171 143081406

G1

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Tom Marchael on Behalf of NYSDEC — Signature — Month: 6 — Day: 13 — Year: 14

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: MARIUS TAVERNIER — Signature — Month: 6 — Day: 13 — Year: 14

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Rec'd 39060/62

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

RECEIVED PENDING MANIFEST REVIEW AND QUALITY CONTROL

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Joe Barone — Signature: Joseph Barone — Month: 6 — Day: 13 — Year: 14

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) D19316 Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000206967	1	518-885-5383	013133084 JJK

GENERATOR

5. Generator's Name and Mailing Address
NYSDEC
625 Broadway -12th Floor
Albany, NY 10001
518-337-7635
Generator's Phone:

Generator's Site Address (if different than mailing address)
NYSDEC Central Office
10 Bartels Place
New Rochelle, NY 10801

6. Transporter 1 Company Name: Auchter Ind Vac Svc. — U.S. EPA ID Number: NJD980772768

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Clean Earth of North Jersey
105 Jacobus Ave.
Kearny, NJ 07032
(973)-344-4004
Facility's Phone:

U.S. EPA ID Number: NJD991291105

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	RQ, NA3077, Hazardous waste, solid, n.o.s. (Tetrachloroethylene), 9, PGIII	1	CM	20	Y	F001
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Sales Order 6714 Document # D19316
1)ERG#171 143081406

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Tom Gaspardone on Behalf of NYSDEC — Signature: — Month: 6 Day: 17 Year: 14

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Transporter 1: MARINUS TAVERNIER	Marinus Tavernier	6	17	14
Transporter 2:				

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Rec'd 39860 lbs
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
RECEIVED PENDING MANIFEST REVIEW AND QUALITY CONTROL
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Doug Roberts — Signature: — Month: 6 Day: 17 Year: 14

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

D19317

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYR000208967
2. Page 1 of: 1
3. Emergency Response Phone: 518-885-5383
4. Manifest Tracking Number: 013133085 JJK

5. Generator's Name and Mailing Address:
NYSDEC
625 Broadway -12th Floor
Albany, NY 10001
Generator's Phone: 518-337-7635

Generator's Site Address (if different than mailing address):
NYSDEC Central Office
10 Bartels Place
New Rochelle, NY 10801

6. Transporter 1 Company Name: Auchter Ind Vac Svc. — U.S. EPA ID Number: NJD980772768

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
Clean Earth of North Jersey
105 Jacobus Ave.
Kearny, NJ 07032
Facility's Phone: (973)-344-4004
U.S. EPA ID Number: NJD991291105

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, NA3077, Hazardous waste, solid, n.o.s. (Tetrachloroethylene), 9, PGIII	1	CM	20	Y	F001
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Sales Order 8715 Document #: D19317
1)ERG#171 143081406

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: [illegible] on behalf of NYSDEC — Signature: [signature] — Month 6 Day 17 Year 14

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: ____
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: MARINUS TAVERNIER — Signature: Marinus Tavernier — Month 6 Day 17 Year 14
Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☑ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
33,440 LBS
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
RECEIVED PENDING MANIFEST REVIEW AND QUALITY CONTROL
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H141 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Doug Morias — Signature: [signature] — Month 6 Day 17 Year 14

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

CLEANEARTH

Faster, smarter, greener solutions...

GENERATOR NYSDEC

MAN. NO 013133058FTK

TRANSPORTER Auchter

VEHICLE ID. 209-20

DRIVER ON OFF

REMARKS:

IN

76400 LB

09:38 AM 06/13/14

09:38 AM 06/13/14

OUT

36060 LB

01:10 PM 06/11/14

40,340

WEIGHER

WEIGH-TRONIX®

CLEANEARTH

Faster, smarter, greener solutions...

GENERATOR New Rochelle

MAN. NO. 013133055FTK

TRANSPORTER Auchter

VEHICLE ID. 221-20

DRIVER ON OFF

REMARKS:

IN

80420 LB

12:40 PM 06/11/14

OUT

36760 LB

12:22 PM 06/04/14

43,660

WEIGHER

WEIGH-TRONIX®

CLEANEARTH
Faster, smarter, greener solutions...

GENERATOR NYSDEC	IN
MAN. NO. 013133054KJK	74560 LB
TRANSPORTER Ancher	04:21 PM 06/11/14
VEHICLE ID. 192-20	04:20 PM 06/11/14
DRIVER ON OFF	OUT
REMARKS:	36180 LB
	06:24 AM 06/11/14

38,380

WEIGHER

WEIGH-TRONIX®

CLEANEARTH
Faster, smarter, greener solutions...

GENERATOR NYSDEC	IN
MAN. NO. 013132604KJK	75660 LB
TRANSPORTER Anchter	01:00 PM 06/13/14
VEHICLE ID. G-1	
DRIVER ON OFF	OUT
REMARKS:	36600 LB
	06:36 AM 06/13/14

39060

WEIGHER

WEIGH-TRONIX®

CLEANEARTH
Faster, smarter, greener solutions...

GENERATOR New Rochelle

MAN. NO. 013133085 NJS

TRANSPORTER

VEHICLE ID. 204

DRIVER ON OFF

REMARKS:

IN

03:08PM 06/17/14

03:08PM 06/17/14

68620 LB

05:02 PM 06/17/14

OUT

36180 LB

10:01 AM 06/03/14

32,440

WEIGHER

WEIGH-TRONIX®

CLEANEARTH
Faster, smarter, greener solutions...

GENERATOR NYS DEC

MAN. NO. 013133084 JJK

TRANSPORTER AUCHTER

VEHICLE ID. 195-20

DRIVER ON OFF

REMARKS:

IN

76260 LB

12:11 PM 06/17/14

OUT

36400 LB

10:15 AM 06/11/14

39860

WEIGHER

WEIGH-TRONIX®

APPENDIX D

DATA USABILITY SUMMARY REPORT
IRM DOCUMENTATION SAMPLE RESULTS

DATA USABILITY SUMMARY REPORT
JUNE 2014 SOIL IRM SAMPLING EVENT
INDUSTRIAL OVERALL UNIFORM CORPORATION
NEW ROCHELLE, NEW YORK

1.0 INTRODUCTION

Soil samples were collected at the Industrial Overall Uniform Corporation Site (Site) in New Rochelle, New York, in June 2014 and submitted for analysis to Pace Analytical Laboratory, located in Melville, New York. Sample results were reported in Sample Delivery Groups (SDGs) AMEC020 and AMEC021. Samples were analyzed for one or more of the following methods:

- Volatile organic compounds (VOCs) by USEPA Method 8260C
- Percent solid by Method ASTMD2216

A listing of samples included in this Data Usability Summary Report (DUSR) is presented in Table 1. A summary of the analytical results is presented in Table 2. A summary of sample results qualified during this review is presented in Table 3 (Summary of Data Validation Actions). Tentatively identified compound (TICs) were reported by the laboratory for VOC samples and are presented in Table 4.

Deliverables for the off-site laboratory analyses included a Category B deliverable as defined in the New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocols (NYSDEC, 2005).

A data usability review was completed based on NYSDEC Division of Environmental Remediation guidance for data usability summary reports (NYSDEC, 2010). Quality control (QC) limits from USEPA Region 2 data validation guidelines were used during the data evaluation for the VOCs. A table of the Region 2 control limits is presented in Attachment A. The DUSR review included evaluations of the following items:

- Lab Report Narrative Review
- Data Package Completeness and COC records (Table 1 verification)
- Sample Preservation and Holding Times
- Initial and Continuing Calibration (including tunes for GC/MS)
- QC Blanks
- Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)
- Matrix Spike/Matrix Spike Duplicates (MS/MSD)
- Surrogate Spikes
- Internal Standard Response and Retention Times
- Laboratory Duplicates
- Field Duplicates
- Raw Data (chromatograms), Calculation Checks and Transcription Verifications
- Reporting Limits
- Electronic Data Qualification and Verification

Final results may include the following laboratory or data review qualifiers:

U = target analyte is not detected above the reporting limit
J = concentration is estimated
UJ = target analyte is not detected and the reporting limit is estimated

Results are interpreted to be usable as reported by the laboratory unless discussed in the following sections.

2.0 VOC

All soil samples were collected and analyzed as high concentration soil samples (methanol preserved in the field) in accordance with USEPA Method 5035A.

VOC - Initial Calibration

A subset of target compounds had responses for at least one analytical batch that did not meet the initial calibration goals specified in the USEPA Region II validation guidelines (USEPA, 2008) used to evaluate calibration data. Result associated with initial calibration criteria outside goals were qualified estimated or rejected. A summary of qualified results is provided on Table 3 with reason codes ICVRSD or ICVRRF. Qualification actions for the compounds below are described in the following sections for each lab data set.

- acetone
- bromomethane

SDG AMEC020 and AMEC021

The initial calibration associated with all samples in SDG AMEC021 (analyzed on instrument HP5972-2 on June 17, 2014) had a RSD outside the QC limit of 20 for acetone (22) and bromomethane (32). Results for acetone and bromomethane were qualified estimated (UJ).

VOC - Continuing Calibration

A subset of target compounds had responses for at least one analytical batch that did not meet the continuing calibration goals specified in the USEPA Region II validation guidelines (USEPA, 2008) used to evaluate calibration data. A summary of qualified results is provided on Table 3 with a reason code CCV%D. Qualification actions for the compounds below are described in the following sections for each lab data set.

- bromomethane
- chloroform
- 1,2,4-trichlorobenzene
- carbon tetrachloride
- dichlorodifluoromethane
- trans-1,3-dichloropropene
- tetrachloroethene

SDG AMEC020

The continuing calibration analyzed on June 18, 2014 at 07:46 (instrument HP5972-2) had percent differences outside the QC limit of 20 for dichlorodifluoromethane (-38), bromomethane (20.4), chloroform (20.4), carbon tetrachloride (20.8), and trans-1,3-dichloropropene (22). Results for these compounds were qualified estimated (UJ) in associated samples.

The continuing calibration analyzed on June 18, 2014 at 21:12 (instrument HP5972-2) had percent differences outside the QC limit of 20 for dichlorodifluoromethane (-24), bromomethane (27), and tetrachloroethene (-20.9). Results for these compounds were qualified estimated (J/UJ) in associated samples.

SDG AMEC020 and AMEC021

The continuing calibration analyzed on June 17, 2014 (instrument HP5972-2) had percent differences outside the QC limit of 20 for bromomethane (45), trans-1,3-dichloropropene (20.6), and 1,2,4-trichlorobenzene (22). Results for these compounds were qualified estimated (UJ) in associated samples.

<u>VOC – LCS/LCSD</u>

A subset of target compounds had LCS recoveries or LCS/LCSD RPDs for at least one analytical batch that did not meet the QC limit goals specified in the USEPA Region II validation guidelines (USEPA, 2008) used to evaluate data. Result associated with LCS data outside goals were qualified estimated. A summary of qualified results is provided on Table 3 with reason codes LCS-L or LCSRPD. Qualification actions for the compounds below are described in the following sections for each lab data set.

- dichlorodifluoromethane
- chloromethane
- bromomethane
- chloroethane
- trichlorofluoromethane
- methyl acetate

SDG AMEC020 and AMEC021

The LCS analyzed on June 17, 2014 at 18:06 had percent recoveries less than the lower QC limit for chloroethane (35), bromomethane (35), chloroethane (34), and trichlorofluoromethane (19). These compounds were not detected in associated samples and the reporting limits were qualified estimated (UJ). A reason code of LCS-L was assigned to these results as presented in Table 3.

SDG AMEC020

The LCS analyzed on June 18, 2014 at 8:47 had percent recoveries less than the lower QC limit for dichlorodifluoromethane (55), bromomethane (37), chloroethane (37), and trichlorofluoromethane (18). These compounds were not detected in associated samples and the reporting limits were qualified estimated (UJ). A reason code of LCS-L was assigned to these results as presented in Table 3.

The LCS analyzed on June 18, 2014 at 22:19 had percent recoveries less than the lower QC limit for bromoform (44), chloroethane (42), and trichlorofluoromethane (24). These compounds were not detected in associated samples and the reporting limits were qualified estimated (UJ). A reason code of LCS-L was assigned to these results as presented in Table 3.

VOC – MS/MSD

A subset of target compounds had MS/MSD recoveries or MS/MSD duplicate RPDs for at least one analytical batch that did not meet the QC limit goals specified in the USEPA Region II validation guidelines (USEPA, 2008) used to evaluate data. A summary of qualified results is provided on Table 3 with reason codes MS-L. Qualification actions for the compounds below are described in the following sections for each lab data set.

SDG AMEC020

A MS/MSD analysis was performed on soil sample 360109-SS305000. The percent recovery for bromomethane (69), chloroethane (55/54), and tetrachloroethene (28/69) was below the 70 percent control limit and results were qualified estimated (J/UJ) in the un-spiked sample and associated field duplicate sample. The RPD between the percent recovery reported in the MS and MSD for tetrachloroethene (85) was above the control limit of 35. Results for tetrachloroethene in the field sample and associated field duplicate sample were qualified estimated (J) and assigned a reason code of MS-RPD. A reason code of MS-L was also assigned to results for bromomethane, chloroethane, and tetrachloroethene, as presented in Table 3.

SDG AMEC021

A MS/MSD analysis was performed on soil sample 360109-ESB0202. The percent recovery for bromomethane (40/43), chloroethane (41/41), and trichlorofluoromethane (23/23) was below the 70 percent control limit and the reporting limits were qualified estimated (UJ) in the un-spiked sample and associated field duplicate sample. A reason code of MS-L was assigned to this result as presented in Table 3.

VOC - Surrogates

SDG AMEC020

The surrogate recovery of bromofluorobenzene was above the upper QC limit of 130 in the soil samples presented in the table below. Results of compounds detected were qualified estimated (J) and assigned a reason code of SS-H as presented in Table 3.

lab_sample_id	field_sample_id	4-Bromofluorobenzene Surrogate Recovery
1406957-008A	360109-SS302002	132
1406957-009A	360109-SS302004	131
1406957-017A	360109-SS305000	134
1406957-018A	360109-SS305002	132
1406957-019A	360109-SS305004	132

VOC-Sample Reporting

SDG AMEC020 and AMEC021

The following table below presents samples that were analyzed at a dilution due to elevated concentrations of target analytes. Reporting limits of non-detects have been elevated accordingly.

SDG	Lab Sample ID	Field Sample ID	Dilution Factor
AMEC020	1406957-001A	360109-SS300000	25
AMEC020	1406957-002A	360109-SS300002	5
AMEC020	1406957-003A	360109-SS300004	5
AMEC020	1406957-004A	360109-SS301000	6
AMEC020	1406957-005A	360109-SS301002	2.5
AMEC020	1406957-006A	360109-SS301004	50
AMEC020	1406957-009A	360109-SS302004	4
AMEC020	1406957-012A	360109-SS303004	2
AMEC020	1406957-013A	360109-SS304000	4
AMEC020	1406957-014A	360109-SS304002	4
AMEC020	1406957-015A	360109-SS304004	4
AMEC020	1406957-016A	360109-SS30500D	4
AMEC020	1406957-017A	360109-SS305000	4
AMEC020	1406957-018A	360109-SS305002	20
AMEC020	1406957-019A	360109-SS305004	16
AMEC021	1406A01-007A	360109-ESW0204	4
AMEC021	1406A01-008A	360109-ESW0301	4

Reference:

Reference:

New York State Department of Environmental Conservation (NYSDEC), 2005. "Analytical Services Protocols"; July 2005.

New York State Department of Environmental Conservation (NYSDEC), 2010. "Technical Guidance for Site Investigation and Remediation-Appendix 2B"; DER-10; Division of Environmental Remediation; May 2010.

USEPA Region 2, 2008. "Validating Volatile Organic Compounds by SW-846 Method 8260B"; SOP # HW-24, Revision 2, Hazardous Waste Support Branch; August 2008.

Data Validator: Tige Cunningham, NRCC-EAC

Date: 3/2/15

Reviewed by: Chris Ricardi, NRCC-EAC

Date: 3/3/15

TABLE 1 - SAMPLE SUMMARY
DATA USABILITY SUMMARY REPORT
JUNE 2014 IRM SOIL SAMPLING EVENT
INDUSTRIAL OVERALL UNIFORM CORPORATION
NEW ROCHELLE, NEW YORK

					Class	VOC	Moisture
					Analysis Method	8260_S_4-2	PMOIST
					Fraction	N	N
SDG	Media	Location	Sample Date	Sample ID	Qc Code		
SOIL SAMPLES							
AMEC020	SOIL	SS-300	6/10/2014	360109-SS300000	FS	48	1
AMEC020	SOIL	SS-300	6/10/2014	360109-SS300002	FS	48	1
AMEC020	SOIL	SS-300	6/10/2014	360109-SS300004	FS	48	1
AMEC020	SOIL	SS-301	6/10/2014	360109-SS301000	FS	48	1
AMEC020	SOIL	SS-301	6/10/2014	360109-SS301002	FS	48	1
AMEC020	SOIL	SS-301	6/10/2014	360109-SS301004	FS	48	1
AMEC020	SOIL	SS-302	6/10/2014	360109-SS302000	FS	48	1
AMEC020	SOIL	SS-302	6/10/2014	360109-SS302002	FS	48	1
AMEC020	SOIL	SS-302	6/10/2014	360109-SS302004	FS	48	1
AMEC020	SOIL	SS-303	6/10/2014	360109-SS303000	FS	48	1
AMEC020	SOIL	SS-303	6/10/2014	360109-SS303002	FS	48	1
AMEC020	SOIL	SS-303	6/10/2014	360109-SS303004	FS	48	1
AMEC020	SOIL	SS-304	6/10/2014	360109-SS304000	FS	48	1
AMEC020	SOIL	SS-304	6/10/2014	360109-SS304002	FS	48	1
AMEC020	SOIL	SS-304	6/10/2014	360109-SS304004	FS	48	1
AMEC020	SOIL	SS-305	6/10/2014	360109-SS305000	FS	48	1
AMEC020	SOIL	SS-305	6/10/2014	360109-SS305002	FS	48	1
AMEC020	SOIL	SS-305	6/10/2014	360109-SS305004	FS	48	1
AMEC020	SOIL	SS-305	6/10/2014	360109-SS30500D	FD	48	1
AMEC021	SOIL	ESB-01	6/12/2014	360109-ESB0106	FS	48	1
AMEC021	SOIL	ESB-02	6/12/2014	360109-ESB0202	FS	48	1
AMEC021	SOIL	ESB-02	6/12/2014	360109-ESB0202 (D)	FD	48	1
AMEC021	SOIL	ESW-01	6/12/2014	360109-ESW0101	FS	48	1
AMEC021	SOIL	ESW-01	6/12/2014	360109-ESW0104	FS	48	1
AMEC021	SOIL	ESW-02	6/12/2014	360109-ESW0201	FS	48	1
AMEC021	SOIL	ESW-02	6/12/2014	360109-ESW0204	FS	48	1
AMEC021	SOIL	ESW-03	6/12/2014	360109-ESW0301	FS	48	1
AMEC021	SOIL	ESW-03	6/12/2014	360109-ESW0302	FS	48	1
AMEC021	SOIL	ESW-04	6/12/2014	360109-ESW0401	FS	48	1
AMEC021	SOIL	ESW-04	6/12/2014	360109-ESW0402	FS	48	1
AMEC021	SOIL	ESW-05	6/12/2014	360109-ESW0501	FS	48	1
AMEC021	SOIL	ESW-05	6/12/2014	360109-ESW0503	FS	48	1
SOLID QC							
AMEC020	NA-S	QC	6/10/2014	360109-TB061014	TB	48	
AMEC021	NA-S	QC	6/12/2014	Trip Blank	TB	48	

Notes:
FS = Field Sample FD = Field Duplicate TB = Trip Blank

Produced by: KMS 03/03/15
Checked by: TLC 03/03/15

Number listed under method indicates the number of target analytes reported.

TABLE 2 - SAMPLE RESULTS SUMMARY
DATA USABILITY SUMMARY REPORT
JUNE 2014 IRM SOIL SAMPLING EVENT
INDUSTRIAL OVERALL UNIFORM CORPORATION
NEW ROCHELLE, NEW YORK

			Lab SDG	AMEC020		AMEC020		AMEC020	
			Loc Name	QC		SS-300		SS-300	
			Field Sample Date	6/10/2014 0:00		6/10/2014 13:40		6/10/2014 13:50	
			Field Sample Id	360109-TB061014		360109-SS300002		360109-SS300004	
			Qc Code	TB		FS		FS	
Method	**Fraction**	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier
8260_S_4-2	N	1,1,1-Trichloroethane	ug/kg	130	U	350	U	150	U
8260_S_4-2	N	1,1,2,2-Tetrachloroethane	ug/kg	130	U	350	U	150	U
8260_S_4-2	N	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	130	U	350	U	150	U
8260_S_4-2	N	1,1,2-Trichloroethane	ug/kg	130	U	350	U	150	U
8260_S_4-2	N	1,1-Dichloroethane	ug/kg	130	U	350	U	150	U
8260_S_4-2	N	1,1-Dichloroethene	ug/kg	130	U	350	U	150	U
8260_S_4-2	N	1,2,4-Trichlorobenzene	ug/kg	130	U	350	UJ	150	UJ
8260_S_4-2	N	1,2-Dibromo-3-chloropropane	ug/kg	130	U	350	U	150	U
8260_S_4-2	N	1,2-Dibromoethane	ug/kg	130	U	350	U	150	U
8260_S_4-2	N	1,2-Dichlorobenzene	ug/kg	130	U	350	U	150	U
8260_S_4-2	N	1,2-Dichloroethane	ug/kg	130	U	350	U	150	U
8260_S_4-2	N	1,2-Dichloropropane	ug/kg	130	U	350	U	150	U
8260_S_4-2	N	1,3-Dichlorobenzene	ug/kg	130	U	350	U	150	U
8260_S_4-2	N	1,4-Dichlorobenzene	ug/kg	130	U	350	U	150	U
8260_S_4-2	N	2-Butanone	ug/kg	130	U	350	U	150	U
8260_S_4-2	N	2-Hexanone	ug/kg	130	U	350	U	150	U
8260_S_4-2	N	4-Methyl-2-pentanone	ug/kg	130	U	350	U	150	U
8260_S_4-2	N	Acetic acid, methyl ester	ug/kg	130	U	1700		150	U
8260_S_4-2	N	Acetone	ug/kg	130	U	350	UJ	150	UJ
8260_S_4-2	N	Benzene	ug/kg	130	U	350	U	150	U
8260_S_4-2	N	Bromodichloromethane	ug/kg	130	U	350	U	150	U
8260_S_4-2	N	Bromoform	ug/kg	130	U	350	U	150	U
8260_S_4-2	N	Bromomethane	ug/kg	130	U	350	UJ	150	UJ
8260_S_4-2	N	Carbon disulfide	ug/kg	130	U	350	U	150	U
8260_S_4-2	N	Carbon tetrachloride	ug/kg	130	U	350	U	150	U
8260_S_4-2	N	Chlorobenzene	ug/kg	130	U	350	U	150	U
8260_S_4-2	N	Chloroethane	ug/kg	130	U	350	UJ	150	UJ
8260_S_4-2	N	Chloroform	ug/kg	130	U	350	U	150	U
8260_S_4-2	N	Chloromethane	ug/kg	130	U	350	U	150	U
8260_S_4-2	N	Cis-1,2-Dichloroethene	ug/kg	130	U	350	U	150	U
8260_S_4-2	N	Cis-1,3-Dichloropropene	ug/kg	130	U	350	U	150	U
8260_S_4-2	N	Cyclohexane	ug/kg	130	U	350	U	150	U
8260_S_4-2	N	Dibromochloromethane	ug/kg	130	U	350	U	150	U
8260_S_4-2	N	Dichlorodifluoromethane	ug/kg	130	U	350	U	150	U
8260_S_4-2	N	Ethyl benzene	ug/kg	130	U	350	U	150	U
8260_S_4-2	N	Isopropylbenzene	ug/kg	130	U	350	U	150	U
8260_S_4-2	N	Methyl cyclohexane	ug/kg	130	U	350	U	150	U
8260_S_4-2	N	Methyl Tertbutyl Ether	ug/kg	130	U	350	U	150	U
8260_S_4-2	N	Methylene chloride	ug/kg	130	U	350	U	150	U
8260_S_4-2	N	Styrene	ug/kg	130	U	350	U	150	U
8260_S_4-2	N	Tetrachloroethene	ug/kg	130	U	87000		22000	
8260_S_4-2	N	Toluene	ug/kg	130	U	350	U	150	U
8260_S_4-2	N	trans-1,2-Dichloroethene	ug/kg	130	U	350	U	150	U
8260_S_4-2	N	trans-1,3-Dichloropropene	ug/kg	130	U	350	UJ	150	UJ
8260_S_4-2	N	Trichloroethene	ug/kg	130	U	1000		460	
8260_S_4-2	N	Trichlorofluoromethane	ug/kg	130	U	350	UJ	150	UJ
8260_S_4-2	N	Vinyl chloride	ug/kg	130	U	350	U	150	U
8260_S_4-2	N	Xylenes, Total	ug/kg	130	U	350	U	150	U
PMOIST	N	Percent Moisture	PERCENT			39.7		14	

Notes:
ug/Kg = microgram per kilogram
FS = Field Sample, TB = Trip Blank, FD = Field Duplicate
Qualifiers:
U = not detected at the reporting limit
J = estimated

Produced by: KMS 03/03/15
Checked by: TLC 03/03/15

TABLE 2 - SAMPLE RESULTS SUMMARY
DATA USABILITY SUMMARY REPORT
JUNE 2014 IRM SOIL SAMPLING EVENT
INDUSTRIAL OVERALL UNIFORM CORPORATION
NEW ROCHELLE, NEW YORK

			Lab SDG	AMEC020		AMEC020		AMEC020	
			Loc Name	SS-300		SS-301		SS-301	
			Field Sample Date	6/10/2014 14:40		6/10/2014 14:10		6/10/2014 14:20	
			Field Sample Id	360109-SS300000		360109-SS301002		360109-SS301004	
			Qc Code	FS		FS		FS	
Method	**Fraction**	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier
8260_S_4-2	N	1,1,1-Trichloroethane	ug/kg	1200	U	190	U	2500	U
8260_S_4-2	N	1,1,2,2-Tetrachloroethane	ug/kg	1200	U	190	U	2500	U
8260_S_4-2	N	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	1200	U	190	U	2500	U
8260_S_4-2	N	1,1,2-Trichloroethane	ug/kg	1200	U	190	U	2500	U
8260_S_4-2	N	1,1-Dichloroethane	ug/kg	1200	U	190	U	2500	U
8260_S_4-2	N	1,1-Dichloroethene	ug/kg	1200	U	190	U	2500	U
8260_S_4-2	N	1,2,4-Trichlorobenzene	ug/kg	1200	UJ	190	UJ	2500	UJ
8260_S_4-2	N	1,2-Dibromo-3-chloropropane	ug/kg	1200	U	190	U	2500	U
8260_S_4-2	N	1,2-Dibromoethane	ug/kg	1200	U	190	U	2500	U
8260_S_4-2	N	1,2-Dichlorobenzene	ug/kg	1200	U	190	U	2500	U
8260_S_4-2	N	1,2-Dichloroethane	ug/kg	1200	U	190	U	2500	U
8260_S_4-2	N	1,2-Dichloropropane	ug/kg	1200	U	190	U	2500	U
8260_S_4-2	N	1,3-Dichlorobenzene	ug/kg	1200	U	190	U	2500	U
8260_S_4-2	N	1,4-Dichlorobenzene	ug/kg	1200	U	190	U	2500	U
8260_S_4-2	N	2-Butanone	ug/kg	1200	U	190	U	2500	U
8260_S_4-2	N	2-Hexanone	ug/kg	1200	U	190	U	2500	U
8260_S_4-2	N	4-Methyl-2-pentanone	ug/kg	1200	U	190	U	2500	U
8260_S_4-2	N	Acetic acid, methyl ester	ug/kg	1200	U	2300		2500	U
8260_S_4-2	N	Acetone	ug/kg	1200	UJ	190	UJ	2500	UJ
8260_S_4-2	N	Benzene	ug/kg	1200	U	190	U	2500	U
8260_S_4-2	N	Bromodichloromethane	ug/kg	1200	U	190	U	2500	U
8260_S_4-2	N	Bromoform	ug/kg	1200	U	190	U	2500	U
8260_S_4-2	N	Bromomethane	ug/kg	1200	UJ	190	UJ	2500	UJ
8260_S_4-2	N	Carbon disulfide	ug/kg	1200	U	190	U	2500	U
8260_S_4-2	N	Carbon tetrachloride	ug/kg	1200	U	190	U	2500	U
8260_S_4-2	N	Chlorobenzene	ug/kg	1200	U	190	U	2500	U
8260_S_4-2	N	Chloroethane	ug/kg	1200	UJ	190	UJ	2500	UJ
8260_S_4-2	N	Chloroform	ug/kg	1200	U	190	U	2500	U
8260_S_4-2	N	Chloromethane	ug/kg	1200	U	190	U	2500	U
8260_S_4-2	N	Cis-1,2-Dichloroethene	ug/kg	1200	U	190	U	2500	U
8260_S_4-2	N	Cis-1,3-Dichloropropene	ug/kg	1200	U	190	U	2500	U
8260_S_4-2	N	Cyclohexane	ug/kg	1200	U	190	U	2500	U
8260_S_4-2	N	Dibromochloromethane	ug/kg	1200	U	190	U	2500	U
8260_S_4-2	N	Dichlorodifluoromethane	ug/kg	1200	U	190	U	2500	U
8260_S_4-2	N	Ethyl benzene	ug/kg	1200	U	190	U	2500	U
8260_S_4-2	N	Isopropylbenzene	ug/kg	1200	U	190	U	2500	U
8260_S_4-2	N	Methyl cyclohexane	ug/kg	1200	U	190	U	2500	U
8260_S_4-2	N	Methyl Tertbutyl Ether	ug/kg	1200	U	190	U	2500	U
8260_S_4-2	N	Methylene chloride	ug/kg	1200	U	190	U	2500	U
8260_S_4-2	N	Styrene	ug/kg	1200	U	190	U	2500	U
8260_S_4-2	N	Tetrachloroethene	ug/kg	190000		35000		500000	
8260_S_4-2	N	Toluene	ug/kg	1200	U	190	U	2500	U
8260_S_4-2	N	trans-1,2-Dichloroethene	ug/kg	1200	U	190	U	2500	U
8260_S_4-2	N	trans-1,3-Dichloropropene	ug/kg	1200	UJ	190	UJ	2500	UJ
8260_S_4-2	N	Trichloroethene	ug/kg	3000		670		11000	
8260_S_4-2	N	Trichlorofluoromethane	ug/kg	1200	UJ	190	UJ	2500	UJ
8260_S_4-2	N	Vinyl chloride	ug/kg	1200	U	190	U	2500	U
8260_S_4-2	N	Xylenes, Total	ug/kg	1200	U	190	U	2500	U
PMOIST	N	Percent Moisture	PERCENT	21		30.6		14	

Notes:
ug/Kg = microgram per kilogram
FS = Field Sample, TB = Trip Blank, FD = Field Duplicate
Qualifiers:
U = not detected at the reporting limit
J = estimated

Produced by: KMS 03/03/15
Checked by: TLC 03/03/15

TABLE 2 - SAMPLE RESULTS SUMMARY
DATA USABILITY SUMMARY REPORT
JUNE 2014 IRM SOIL SAMPLING EVENT
INDUSTRIAL OVERALL UNIFORM CORPORATION
NEW ROCHELLE, NEW YORK

			Lab SDG	AMEC020		AMEC020		AMEC020	
			Loc Name	SS-301		SS-302		SS-302	
			Field Sample Date	6/10/2014 14:30		6/10/2014 15:15		6/10/2014 15:20	
			Field Sample Id	360109-SS301000		360109-SS302002		360109-SS302004	
			Qc Code	FS		FS		FS	
Method	**Fraction**	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier
8260_S_4-2	N	1,1,1-Trichloroethane	ug/kg	420	U	52	U	180	U
8260_S_4-2	N	1,1,2,2-Tetrachloroethane	ug/kg	420	U	52	U	180	U
8260_S_4-2	N	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	420	U	52	U	180	U
8260_S_4-2	N	1,1,2-Trichloroethane	ug/kg	420	U	52	U	180	U
8260_S_4-2	N	1,1-Dichloroethane	ug/kg	420	U	52	U	180	U
8260_S_4-2	N	1,1-Dichloroethene	ug/kg	420	U	52	U	180	U
8260_S_4-2	N	1,2,4-Trichlorobenzene	ug/kg	420	UJ	52	U	180	U
8260_S_4-2	N	1,2-Dibromo-3-chloropropane	ug/kg	420	U	52	U	180	U
8260_S_4-2	N	1,2-Dibromoethane	ug/kg	420	U	52	U	180	U
8260_S_4-2	N	1,2-Dichlorobenzene	ug/kg	420	U	52	U	180	U
8260_S_4-2	N	1,2-Dichloroethane	ug/kg	420	U	52	U	180	U
8260_S_4-2	N	1,2-Dichloropropane	ug/kg	420	U	52	U	180	U
8260_S_4-2	N	1,3-Dichlorobenzene	ug/kg	420	U	52	U	180	U
8260_S_4-2	N	1,4-Dichlorobenzene	ug/kg	420	U	52	U	180	U
8260_S_4-2	N	2-Butanone	ug/kg	420	U	52	U	180	U
8260_S_4-2	N	2-Hexanone	ug/kg	420	U	52	U	180	U
8260_S_4-2	N	4-Methyl-2-pentanone	ug/kg	420	U	52	U	180	U
8260_S_4-2	N	Acetic acid, methyl ester	ug/kg	1200		1100	J	180	U
8260_S_4-2	N	Acetone	ug/kg	420	UJ	52	UJ	180	UJ
8260_S_4-2	N	Benzene	ug/kg	420	U	52	U	180	U
8260_S_4-2	N	Bromodichloromethane	ug/kg	420	U	52	U	180	U
8260_S_4-2	N	Bromoform	ug/kg	420	U	52	U	180	U
8260_S_4-2	N	Bromomethane	ug/kg	420	UJ	52	UJ	180	UJ
8260_S_4-2	N	Carbon disulfide	ug/kg	420	U	52	U	180	U
8260_S_4-2	N	Carbon tetrachloride	ug/kg	420	U	52	UJ	180	UJ
8260_S_4-2	N	Chlorobenzene	ug/kg	420	U	52	U	180	U
8260_S_4-2	N	Chloroethane	ug/kg	420	UJ	52	UJ	180	UJ
8260_S_4-2	N	Chloroform	ug/kg	420	U	52	UJ	180	UJ
8260_S_4-2	N	Chloromethane	ug/kg	420	U	52	U	180	U
8260_S_4-2	N	Cis-1,2-Dichloroethene	ug/kg	420	U	52	U	180	U
8260_S_4-2	N	Cis-1,3-Dichloropropene	ug/kg	420	U	52	U	180	U
8260_S_4-2	N	Cyclohexane	ug/kg	420	U	52	U	180	U
8260_S_4-2	N	Dibromochloromethane	ug/kg	420	U	52	U	180	U
8260_S_4-2	N	Dichlorodifluoromethane	ug/kg	420	U	52	UJ	180	UJ
8260_S_4-2	N	Ethyl benzene	ug/kg	420	U	52	U	180	U
8260_S_4-2	N	Isopropylbenzene	ug/kg	420	U	52	U	180	U
8260_S_4-2	N	Methyl cyclohexane	ug/kg	420	U	52	U	180	U
8260_S_4-2	N	Methyl Tertbutyl Ether	ug/kg	420	U	52	U	180	U
8260_S_4-2	N	Methylene chloride	ug/kg	420	U	52	U	180	U
8260_S_4-2	N	Styrene	ug/kg	420	U	52	U	180	U
8260_S_4-2	N	Tetrachloroethene	ug/kg	65000		6200	J	20000	J
8260_S_4-2	N	Toluene	ug/kg	420	U	52	U	180	U
8260_S_4-2	N	trans-1,2-Dichloroethene	ug/kg	420	U	52	U	180	U
8260_S_4-2	N	trans-1,3-Dichloropropene	ug/kg	420	UJ	52	UJ	180	UJ
8260_S_4-2	N	Trichloroethene	ug/kg	890		52	U	260	J
8260_S_4-2	N	Trichlorofluoromethane	ug/kg	420	UJ	52	UJ	180	UJ
8260_S_4-2	N	Vinyl chloride	ug/kg	420	U	52	U	180	U
8260_S_4-2	N	Xylenes, Total	ug/kg	420	U	52	U	180	U
PMOIST	N	Percent Moisture	PERCENT	26.1		28.3		17.6	

Notes:
ug/Kg = microgram per kilogram
FS = Field Sample, TB = Trip Blank, FD = Field Duplicate
Qualifiers:
U = not detected at the reporting limit
J = estimated

Produced by: KMS 03/03/15
Checked by: TLC 03/03/15

TABLE 2 - SAMPLE RESULTS SUMMARY
DATA USABILITY SUMMARY REPORT
JUNE 2014 IRM SOIL SAMPLING EVENT
INDUSTRIAL OVERALL UNIFORM CORPORATION
NEW ROCHELLE, NEW YORK

			Lab SDG	AMEC020		AMEC020		AMEC020	
			Loc Name	SS-302		SS-303		SS-303	
			Field Sample Date	6/10/2014 15:30		6/10/2014 15:40		6/10/2014 15:45	
			Field Sample Id	360109-SS302000		360109-SS303002		360109-SS303004	
			Qc Code	FS		FS		FS	
Method	**Fraction**	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier
8260_S_4-2	N	1,1,1-Trichloroethane	ug/kg	51	U	40	U	130	U
8260_S_4-2	N	1,1,2,2-Tetrachloroethane	ug/kg	51	U	40	U	130	U
8260_S_4-2	N	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	51	U	40	U	130	U
8260_S_4-2	N	1,1,2-Trichloroethane	ug/kg	51	U	40	U	130	U
8260_S_4-2	N	1,1-Dichloroethane	ug/kg	51	U	40	U	130	U
8260_S_4-2	N	1,1-Dichloroethene	ug/kg	51	U	40	U	130	U
8260_S_4-2	N	1,2,4-Trichlorobenzene	ug/kg	51	U	40	U	130	U
8260_S_4-2	N	1,2-Dibromo-3-chloropropane	ug/kg	51	U	40	U	130	U
8260_S_4-2	N	1,2-Dibromoethane	ug/kg	51	U	40	U	130	U
8260_S_4-2	N	1,2-Dichlorobenzene	ug/kg	51	U	40	U	130	U
8260_S_4-2	N	1,2-Dichloroethane	ug/kg	51	U	40	U	130	U
8260_S_4-2	N	1,2-Dichloropropane	ug/kg	51	U	40	U	130	U
8260_S_4-2	N	1,3-Dichlorobenzene	ug/kg	51	U	40	U	130	U
8260_S_4-2	N	1,4-Dichlorobenzene	ug/kg	51	U	40	U	130	U
8260_S_4-2	N	2-Butanone	ug/kg	51	U	40	U	130	U
8260_S_4-2	N	2-Hexanone	ug/kg	51	U	40	U	130	U
8260_S_4-2	N	4-Methyl-2-pentanone	ug/kg	51	U	40	U	130	U
8260_S_4-2	N	Acetic acid, methyl ester	ug/kg	51	U	200		540	
8260_S_4-2	N	Acetone	ug/kg	51	UJ	40	UJ	130	UJ
8260_S_4-2	N	Benzene	ug/kg	51	U	40	U	130	U
8260_S_4-2	N	Bromodichloromethane	ug/kg	51	U	40	U	130	U
8260_S_4-2	N	Bromoform	ug/kg	51	U	40	U	130	U
8260_S_4-2	N	Bromomethane	ug/kg	51	UJ	40	UJ	130	UJ
8260_S_4-2	N	Carbon disulfide	ug/kg	51	U	40	U	130	U
8260_S_4-2	N	Carbon tetrachloride	ug/kg	51	UJ	40	UJ	130	UJ
8260_S_4-2	N	Chlorobenzene	ug/kg	51	U	40	U	130	U
8260_S_4-2	N	Chloroethane	ug/kg	51	UJ	40	UJ	130	UJ
8260_S_4-2	N	Chloroform	ug/kg	51	UJ	40	UJ	130	UJ
8260_S_4-2	N	Chloromethane	ug/kg	51	U	40	U	130	U
8260_S_4-2	N	Cis-1,2-Dichloroethene	ug/kg	51	U	40	U	130	U
8260_S_4-2	N	Cis-1,3-Dichloropropene	ug/kg	51	U	40	U	130	U
8260_S_4-2	N	Cyclohexane	ug/kg	51	U	40	U	130	U
8260_S_4-2	N	Dibromochloromethane	ug/kg	51	U	40	U	130	U
8260_S_4-2	N	Dichlorodifluoromethane	ug/kg	51	UJ	40	UJ	130	UJ
8260_S_4-2	N	Ethyl benzene	ug/kg	51	U	40	U	130	U
8260_S_4-2	N	Isopropylbenzene	ug/kg	51	U	40	U	130	U
8260_S_4-2	N	Methyl cyclohexane	ug/kg	51	U	40	U	130	U
8260_S_4-2	N	Methyl Tertbutyl Ether	ug/kg	51	U	40	U	130	U
8260_S_4-2	N	Methylene chloride	ug/kg	51	U	40	U	130	U
8260_S_4-2	N	Styrene	ug/kg	51	U	40	U	130	U
8260_S_4-2	N	Tetrachloroethene	ug/kg	1300		1800		21000	
8260_S_4-2	N	Toluene	ug/kg	51	U	40	U	130	U
8260_S_4-2	N	trans-1,2-Dichloroethene	ug/kg	51	U	40	U	130	U
8260_S_4-2	N	trans-1,3-Dichloropropene	ug/kg	51	UJ	40	UJ	130	UJ
8260_S_4-2	N	Trichloroethene	ug/kg	51	U	40	U	220	
8260_S_4-2	N	Trichlorofluoromethane	ug/kg	51	UJ	40	UJ	130	UJ
8260_S_4-2	N	Vinyl chloride	ug/kg	51	U	40	U	130	U
8260_S_4-2	N	Xylenes, Total	ug/kg	51	U	40	U	130	U
PMOIST	N	Percent Moisture	PERCENT	14		14.5		19.7	

Notes:
ug/Kg = microgram per kilogram
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Qualifiers:
U = not detected at the reporting limit
J = estimated

Produced by: KMS 03/03/15
Checked by: TLC 03/03/15

TABLE 2 - SAMPLE RESULTS SUMMARY
DATA USABILITY SUMMARY REPORT
JUNE 2014 IRM SOIL SAMPLING EVENT
INDUSTRIAL OVERALL UNIFORM CORPORATION
NEW ROCHELLE, NEW YORK

			Lab SDG	AMEC020		AMEC020		AMEC020	
			Loc Name	SS-303		SS-304		SS-304	
			Field Sample Date	6/10/2014 16:00		6/10/2014 16:05		6/10/2014 16:15	
			Field Sample Id	360109-SS303000		360109-SS304002		360109-SS304004	
			Qc Code	FS		FS		FS	
Method	**Fraction**	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier
8260_S_4-2	N	1,1,1-Trichloroethane	ug/kg	38	U	240	U	150	U
8260_S_4-2	N	1,1,2,2-Tetrachloroethane	ug/kg	38	U	240	U	150	U
8260_S_4-2	N	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	38	U	240	U	150	U
8260_S_4-2	N	1,1,2-Trichloroethane	ug/kg	38	U	240	U	150	U
8260_S_4-2	N	1,1-Dichloroethane	ug/kg	38	U	240	U	150	U
8260_S_4-2	N	1,1-Dichloroethene	ug/kg	38	U	240	U	150	U
8260_S_4-2	N	1,2,4-Trichlorobenzene	ug/kg	38	U	240	U	150	U
8260_S_4-2	N	1,2-Dibromo-3-chloropropane	ug/kg	38	U	240	U	150	U
8260_S_4-2	N	1,2-Dibromoethane	ug/kg	38	U	240	U	150	U
8260_S_4-2	N	1,2-Dichlorobenzene	ug/kg	38	U	240	U	150	U
8260_S_4-2	N	1,2-Dichloroethane	ug/kg	38	U	240	U	150	U
8260_S_4-2	N	1,2-Dichloropropane	ug/kg	38	U	240	U	150	U
8260_S_4-2	N	1,3-Dichlorobenzene	ug/kg	38	U	240	U	150	U
8260_S_4-2	N	1,4-Dichlorobenzene	ug/kg	38	U	240	U	150	U
8260_S_4-2	N	2-Butanone	ug/kg	38	U	240	U	150	U
8260_S_4-2	N	2-Hexanone	ug/kg	38	U	240	U	150	U
8260_S_4-2	N	4-Methyl-2-pentanone	ug/kg	38	U	240	U	150	U
8260_S_4-2	N	Acetic acid, methyl ester	ug/kg	38	U	240	U	150	U
8260_S_4-2	N	Acetone	ug/kg	38	UJ	240	UJ	150	UJ
8260_S_4-2	N	Benzene	ug/kg	38	U	240	U	150	U
8260_S_4-2	N	Bromodichloromethane	ug/kg	38	U	240	U	150	U
8260_S_4-2	N	Bromoform	ug/kg	38	U	240	U	150	U
8260_S_4-2	N	Bromomethane	ug/kg	38	UJ	240	UJ	150	UJ
8260_S_4-2	N	Carbon disulfide	ug/kg	38	U	240	U	150	U
8260_S_4-2	N	Carbon tetrachloride	ug/kg	38	UJ	240	U	150	U
8260_S_4-2	N	Chlorobenzene	ug/kg	38	U	240	U	150	U
8260_S_4-2	N	Chloroethane	ug/kg	38	UJ	240	UJ	150	UJ
8260_S_4-2	N	Chloroform	ug/kg	38	UJ	240	U	150	U
8260_S_4-2	N	Chloromethane	ug/kg	38	U	240	U	150	U
8260_S_4-2	N	Cis-1,2-Dichloroethene	ug/kg	38	U	240	U	150	U
8260_S_4-2	N	Cis-1,3-Dichloropropene	ug/kg	38	U	240	U	150	U
8260_S_4-2	N	Cyclohexane	ug/kg	38	U	240	U	150	U
8260_S_4-2	N	Dibromochloromethane	ug/kg	38	U	240	U	150	U
8260_S_4-2	N	Dichlorodifluoromethane	ug/kg	38	UJ	240	UJ	150	UJ
8260_S_4-2	N	Ethyl benzene	ug/kg	38	U	240	U	150	U
8260_S_4-2	N	Isopropylbenzene	ug/kg	38	U	240	U	150	U
8260_S_4-2	N	Methyl cyclohexane	ug/kg	38	U	240	U	150	U
8260_S_4-2	N	Methyl Tertbutyl Ether	ug/kg	38	U	240	U	150	U
8260_S_4-2	N	Methylene chloride	ug/kg	38	U	240	U	150	U
8260_S_4-2	N	Styrene	ug/kg	38	U	240	U	150	U
8260_S_4-2	N	Tetrachloroethene	ug/kg	87		29000	J	5700	J
8260_S_4-2	N	Toluene	ug/kg	38	U	240	U	150	U
8260_S_4-2	N	trans-1,2-Dichloroethene	ug/kg	38	U	240	U	150	U
8260_S_4-2	N	trans-1,3-Dichloropropene	ug/kg	38	UJ	240	U	150	U
8260_S_4-2	N	Trichloroethene	ug/kg	38	U	240	U	150	U
8260_S_4-2	N	Trichlorofluoromethane	ug/kg	38	UJ	240	UJ	150	UJ
8260_S_4-2	N	Vinyl chloride	ug/kg	38	U	240	U	150	U
8260_S_4-2	N	Xylenes, Total	ug/kg	38	U	240	U	150	U
PMOIST	N	Percent Moisture	PERCENT	13.7		15.6		13.9	

Notes:
ug/Kg = microgram per kilogram
FS = Field Sample, TB = Trip Blank, FD = Field Duplicate
Qualifiers:
U = not detected at the reporting limit
J = estimated

Produced by: KMS 03/03/15
Checked by: TLC 03/03/15

TABLE 2 - SAMPLE RESULTS SUMMARY
DATA USABILITY SUMMARY REPORT
JUNE 2014 IRM SOIL SAMPLING EVENT
INDUSTRIAL OVERALL UNIFORM CORPORATION
NEW ROCHELLE, NEW YORK

			Lab SDG	AMEC020		AMEC020		AMEC020	
			Loc Name	SS-304		SS-305		SS-305	
			Field Sample Date	6/10/2014 16:30		6/10/2014 16:45		6/10/2014 16:55	
			Field Sample Id	360109-SS304000		360109-SS305002		360109-SS305004	
			Qc Code	FS		FS		FS	
Method	**Fraction**	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier
8260_S_4-2	N	1,1,1-Trichloroethane	ug/kg	160	U	1100	U	750	U
8260_S_4-2	N	1,1,2,2-Tetrachloroethane	ug/kg	160	U	1100	U	750	U
8260_S_4-2	N	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	160	U	1100	U	750	U
8260_S_4-2	N	1,1,2-Trichloroethane	ug/kg	160	U	1100	U	750	U
8260_S_4-2	N	1,1-Dichloroethane	ug/kg	160	U	1100	U	750	U
8260_S_4-2	N	1,1-Dichloroethene	ug/kg	160	U	1100	U	750	U
8260_S_4-2	N	1,2,4-Trichlorobenzene	ug/kg	160	U	1100	U	750	U
8260_S_4-2	N	1,2-Dibromo-3-chloropropane	ug/kg	160	U	1100	U	750	U
8260_S_4-2	N	1,2-Dibromoethane	ug/kg	160	U	1100	U	750	U
8260_S_4-2	N	1,2-Dichlorobenzene	ug/kg	160	U	1100	U	750	U
8260_S_4-2	N	1,2-Dichloroethane	ug/kg	160	U	1100	U	750	U
8260_S_4-2	N	1,2-Dichloropropane	ug/kg	160	U	1100	U	750	U
8260_S_4-2	N	1,3-Dichlorobenzene	ug/kg	160	U	1100	U	750	U
8260_S_4-2	N	1,4-Dichlorobenzene	ug/kg	160	U	1100	U	750	U
8260_S_4-2	N	2-Butanone	ug/kg	160	U	1100	U	750	U
8260_S_4-2	N	2-Hexanone	ug/kg	160	U	1100	U	750	U
8260_S_4-2	N	4-Methyl-2-pentanone	ug/kg	160	U	1100	U	750	U
8260_S_4-2	N	Acetic acid, methyl ester	ug/kg	160	U	1100	U	750	U
8260_S_4-2	N	Acetone	ug/kg	160	UJ	1100	UJ	750	UJ
8260_S_4-2	N	Benzene	ug/kg	160	U	1100	U	750	U
8260_S_4-2	N	Bromodichloromethane	ug/kg	160	U	1100	U	750	U
8260_S_4-2	N	Bromoform	ug/kg	160	U	1100	U	750	U
8260_S_4-2	N	Bromomethane	ug/kg	160	UJ	1100	UJ	750	UJ
8260_S_4-2	N	Carbon disulfide	ug/kg	160	U	1100	U	750	U
8260_S_4-2	N	Carbon tetrachloride	ug/kg	160	UJ	1100	U	750	U
8260_S_4-2	N	Chlorobenzene	ug/kg	160	U	1100	U	750	U
8260_S_4-2	N	Chloroethane	ug/kg	160	UJ	1100	UJ	750	UJ
8260_S_4-2	N	Chloroform	ug/kg	160	UJ	1100	U	750	U
8260_S_4-2	N	Chloromethane	ug/kg	160	U	1100	U	750	U
8260_S_4-2	N	Cis-1,2-Dichloroethene	ug/kg	160	U	1100	U	750	U
8260_S_4-2	N	Cis-1,3-Dichloropropene	ug/kg	160	U	1100	U	750	U
8260_S_4-2	N	Cyclohexane	ug/kg	160	U	1100	U	750	U
8260_S_4-2	N	Dibromochloromethane	ug/kg	160	U	1100	U	750	U
8260_S_4-2	N	Dichlorodifluoromethane	ug/kg	160	UJ	1100	UJ	750	UJ
8260_S_4-2	N	Ethyl benzene	ug/kg	160	U	1100	U	750	U
8260_S_4-2	N	Isopropylbenzene	ug/kg	160	U	1100	U	750	U
8260_S_4-2	N	Methyl cyclohexane	ug/kg	160	U	1100	U	750	U
8260_S_4-2	N	Methyl Tertbutyl Ether	ug/kg	160	U	1100	U	750	U
8260_S_4-2	N	Methylene chloride	ug/kg	160	U	1100	U	750	U
8260_S_4-2	N	Styrene	ug/kg	160	U	1100	U	750	U
8260_S_4-2	N	Tetrachloroethene	ug/kg	21000		150000	J	130000	J
8260_S_4-2	N	Toluene	ug/kg	160	U	1600	J	950	J
8260_S_4-2	N	trans-1,2-Dichloroethene	ug/kg	160	U	1100	U	750	U
8260_S_4-2	N	trans-1,3-Dichloropropene	ug/kg	160	UJ	1100	U	750	U
8260_S_4-2	N	Trichloroethene	ug/kg	160	U	1600	J	2300	J
8260_S_4-2	N	Trichlorofluoromethane	ug/kg	160	UJ	1100	UJ	750	UJ
8260_S_4-2	N	Vinyl chloride	ug/kg	160	U	1100	U	750	U
8260_S_4-2	N	Xylenes, Total	ug/kg	160	U	2200	J	750	U
PMOIST	N	Percent Moisture	PERCENT	14.9		9		18.3	

Notes:
ug/Kg = microgram per kilogram
FS = Field Sample, TB = Trip Blank, FD = Field Duplicate
Qualifiers:
U = not detected at the reporting limit
J = estimated

TABLE 2 - SAMPLE RESULTS SUMMARY
DATA USABILITY SUMMARY REPORT
JUNE 2014 IRM SOIL SAMPLING EVENT
INDUSTRIAL OVERALL UNIFORM CORPORATION
NEW ROCHELLE, NEW YORK

			Lab SDG	AMEC020		AMEC020	
			Loc Name	SS-305		SS-305	
			Field Sample Date	6/10/2014 17:10		6/10/2014 17:10	
			Field Sample Id	360109-SS305000		360109-SS30500D	
			Qc Code	FS		FD	
Method	**Fraction**	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier
8260_S_4-2	N	1,1,1-Trichloroethane	ug/kg	170	U	230	U
8260_S_4-2	N	1,1,2,2-Tetrachloroethane	ug/kg	170	U	230	U
8260_S_4-2	N	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	170	U	230	U
8260_S_4-2	N	1,1,2-Trichloroethane	ug/kg	170	U	230	U
8260_S_4-2	N	1,1-Dichloroethane	ug/kg	170	U	230	U
8260_S_4-2	N	1,1-Dichloroethene	ug/kg	170	U	230	U
8260_S_4-2	N	1,2,4-Trichlorobenzene	ug/kg	170	U	230	U
8260_S_4-2	N	1,2-Dibromo-3-chloropropane	ug/kg	170	U	230	U
8260_S_4-2	N	1,2-Dibromoethane	ug/kg	170	U	230	U
8260_S_4-2	N	1,2-Dichlorobenzene	ug/kg	170	U	230	U
8260_S_4-2	N	1,2-Dichloroethane	ug/kg	170	U	230	U
8260_S_4-2	N	1,2-Dichloropropane	ug/kg	170	U	230	U
8260_S_4-2	N	1,3-Dichlorobenzene	ug/kg	170	U	230	U
8260_S_4-2	N	1,4-Dichlorobenzene	ug/kg	170	U	230	U
8260_S_4-2	N	2-Butanone	ug/kg	170	U	230	U
8260_S_4-2	N	2-Hexanone	ug/kg	170	U	230	U
8260_S_4-2	N	4-Methyl-2-pentanone	ug/kg	170	U	230	U
8260_S_4-2	N	Acetic acid, methyl ester	ug/kg	170	U	230	U
8260_S_4-2	N	Acetone	ug/kg	170	UJ	230	UJ
8260_S_4-2	N	Benzene	ug/kg	170	U	230	U
8260_S_4-2	N	Bromodichloromethane	ug/kg	170	U	230	U
8260_S_4-2	N	Bromoform	ug/kg	170	U	230	U
8260_S_4-2	N	Bromomethane	ug/kg	170	UJ	230	UJ
8260_S_4-2	N	Carbon disulfide	ug/kg	170	U	230	U
8260_S_4-2	N	Carbon tetrachloride	ug/kg	170	U	230	U
8260_S_4-2	N	Chlorobenzene	ug/kg	170	U	230	U
8260_S_4-2	N	Chloroethane	ug/kg	170	UJ	230	UJ
8260_S_4-2	N	Chloroform	ug/kg	170	U	230	U
8260_S_4-2	N	Chloromethane	ug/kg	170	U	230	U
8260_S_4-2	N	Cis-1,2-Dichloroethene	ug/kg	170	U	230	U
8260_S_4-2	N	Cis-1,3-Dichloropropene	ug/kg	170	U	230	U
8260_S_4-2	N	Cyclohexane	ug/kg	170	U	230	U
8260_S_4-2	N	Dibromochloromethane	ug/kg	170	U	230	U
8260_S_4-2	N	Dichlorodifluoromethane	ug/kg	170	UJ	230	UJ
8260_S_4-2	N	Ethyl benzene	ug/kg	170	U	230	U
8260_S_4-2	N	Isopropylbenzene	ug/kg	170	U	230	U
8260_S_4-2	N	Methyl cyclohexane	ug/kg	170	U	230	U
8260_S_4-2	N	Methyl Tertbutyl Ether	ug/kg	170	U	230	U
8260_S_4-2	N	Methylene chloride	ug/kg	170	U	230	U
8260_S_4-2	N	Styrene	ug/kg	170	U	230	U
8260_S_4-2	N	Tetrachloroethene	ug/kg	20000	J	23000	J
8260_S_4-2	N	Toluene	ug/kg	170	U	230	U
8260_S_4-2	N	trans-1,2-Dichloroethene	ug/kg	170	U	230	U
8260_S_4-2	N	trans-1,3-Dichloropropene	ug/kg	170	U	230	U
8260_S_4-2	N	Trichloroethene	ug/kg	170	U	230	U
8260_S_4-2	N	Trichlorofluoromethane	ug/kg	170	UJ	230	UJ
8260_S_4-2	N	Vinyl chloride	ug/kg	170	U	230	U
8260_S_4-2	N	Xylenes, Total	ug/kg	170	U	230	U
PMOIST	N	Percent Moisture	PERCENT	9.4		11.9	

Notes:
ug/Kg = microgram per kilogram
FS = Field Sample, TB = Trip Blank, FD = Field Duplicate
Qualifiers:
U = not detected at the reporting limit
J = estimated

Produced by: KMS 03/03/15
Checked by: TLC 03/03/15

TABLE 2 - SAMPLE RESULTS SUMMARY
DATA USABILITY SUMMARY REPORT
JUNE 2014 IRM SOIL SAMPLING EVENT
INDUSTRIAL OVERALL UNIFORM CORPORATION
NEW ROCHELLE, NEW YORK

		Lab SDG	AMEC021		AMEC021		AMEC021	
		Loc Name	ESB-01		ESB-02		ESB-02	
		Field Sample Date	6/12/2014 8:15		6/12/2014 17:30		6/12/2014 17:30	
		Field Sample Id	360109-ESB0106		360109-ESB0202		360109-ESB0202 (D)	
		Qc Code	FS		FS		FD	
Method	**Fraction**	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier
8260_S_4-2	N	1,1,1-Trichloroethane	ug/kg	44	U	42	U	48	U
8260_S_4-2	N	1,1,2,2-Tetrachloroethane	ug/kg	44	U	42	U	48	U
8260_S_4-2	N	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	44	U	42	U	48	U
8260_S_4-2	N	1,1,2-Trichloroethane	ug/kg	44	U	42	U	48	U
8260_S_4-2	N	1,1-Dichloroethane	ug/kg	44	U	42	U	48	U
8260_S_4-2	N	1,1-Dichloroethene	ug/kg	44	U	42	U	48	U
8260_S_4-2	N	1,2,4-Trichlorobenzene	ug/kg	44	UJ	42	UJ	48	UJ
8260_S_4-2	N	1,2-Dibromo-3-chloropropane	ug/kg	44	U	42	U	48	U
8260_S_4-2	N	1,2-Dibromoethane	ug/kg	44	U	42	U	48	U
8260_S_4-2	N	1,2-Dichlorobenzene	ug/kg	44	U	42	U	48	U
8260_S_4-2	N	1,2-Dichloroethane	ug/kg	44	U	42	U	48	U
8260_S_4-2	N	1,2-Dichloropropane	ug/kg	44	U	42	U	48	U
8260_S_4-2	N	1,3-Dichlorobenzene	ug/kg	44	U	42	U	48	U
8260_S_4-2	N	1,4-Dichlorobenzene	ug/kg	44	U	42	U	48	U
8260_S_4-2	N	2-Butanone	ug/kg	44	U	42	U	48	U
8260_S_4-2	N	2-Hexanone	ug/kg	44	U	42	U	48	U
8260_S_4-2	N	4-Methyl-2-pentanone	ug/kg	44	U	42	U	48	U
8260_S_4-2	N	Acetic acid, methyl ester	ug/kg	44	U	42	U	48	U
8260_S_4-2	N	Acetone	ug/kg	44	UJ	42	UJ	48	UJ
8260_S_4-2	N	Benzene	ug/kg	44	U	42	U	48	U
8260_S_4-2	N	Bromodichloromethane	ug/kg	44	U	42	U	48	U
8260_S_4-2	N	Bromoform	ug/kg	44	U	42	U	48	U
8260_S_4-2	N	Bromomethane	ug/kg	44	UJ	42	UJ	48	UJ
8260_S_4-2	N	Carbon disulfide	ug/kg	44	U	42	U	48	U
8260_S_4-2	N	Carbon tetrachloride	ug/kg	44	U	42	U	48	U
8260_S_4-2	N	Chlorobenzene	ug/kg	44	U	42	U	48	U
8260_S_4-2	N	Chloroethane	ug/kg	44	UJ	42	UJ	48	UJ
8260_S_4-2	N	Chloroform	ug/kg	44	U	42	U	48	U
8260_S_4-2	N	Chloromethane	ug/kg	44	U	42	U	48	U
8260_S_4-2	N	Cis-1,2-Dichloroethene	ug/kg	44	U	42	U	48	U
8260_S_4-2	N	Cis-1,3-Dichloropropene	ug/kg	44	U	42	U	48	U
8260_S_4-2	N	Cyclohexane	ug/kg	44	U	42	U	48	U
8260_S_4-2	N	Dibromochloromethane	ug/kg	44	U	42	U	48	U
8260_S_4-2	N	Dichlorodifluoromethane	ug/kg	44	U	42	U	48	U
8260_S_4-2	N	Ethyl benzene	ug/kg	44	U	42	U	48	U
8260_S_4-2	N	Isopropylbenzene	ug/kg	44	U	42	U	48	U
8260_S_4-2	N	Methyl cyclohexane	ug/kg	44	U	42	U	48	U
8260_S_4-2	N	Methyl Tertbutyl Ether	ug/kg	44	U	42	U	48	U
8260_S_4-2	N	Methylene chloride	ug/kg	44	U	42	U	48	U
8260_S_4-2	N	Styrene	ug/kg	44	U	42	U	48	U
8260_S_4-2	N	Tetrachloroethene	ug/kg	430		800		1100	
8260_S_4-2	N	Toluene	ug/kg	44	U	42	U	48	U
8260_S_4-2	N	trans-1,2-Dichloroethene	ug/kg	44	U	42	U	48	U
8260_S_4-2	N	trans-1,3-Dichloropropene	ug/kg	44	UJ	42	UJ	48	UJ
8260_S_4-2	N	Trichloroethene	ug/kg	44	U	42	U	48	U
8260_S_4-2	N	Trichlorofluoromethane	ug/kg	44	UJ	42	UJ	48	UJ
8260_S_4-2	N	Vinyl chloride	ug/kg	44	U	42	U	48	U
8260_S_4-2	N	Xylenes, Total	ug/kg	44	U	42	U	48	U
PMOIST	N	Percent Moisture	PERCENT	15.7		13.7		14.1	

Notes:
ug/Kg = microgram per kilogram
FS = Field Sample, TB = Trip Blank, FD = Field Duplicate
Qualifiers:
U = not detected at the reporting limit
J = estimated

Produced by: KMS 03/03/15
Checked by: TLC 03/03/15

TABLE 2 - SAMPLE RESULTS SUMMARY
DATA USABILITY SUMMARY REPORT
JUNE 2014 IRM SOIL SAMPLING EVENT
INDUSTRIAL OVERALL UNIFORM CORPORATION
NEW ROCHELLE, NEW YORK

		Lab SDG	AMEC021		AMEC021		AMEC021	
		Loc Name	ESW-01		ESW-01		ESW-02	
		Field Sample Date	6/12/2014 9:45		6/12/2014 9:50		6/12/2014 14:45	
		Field Sample Id	360109-ESW0104		360109-ESW0101		360109-ESW0204	
		Qc Code	FS		FS		FS	
Method	**Fraction**	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier
8260_S_4-2	N	1,1,1-Trichloroethane	ug/kg	43	U	53	U	370	
8260_S_4-2	N	1,1,2,2-Tetrachloroethane	ug/kg	43	U	53	U	270	U
8260_S_4-2	N	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	43	U	53	U	270	U
8260_S_4-2	N	1,1,2-Trichloroethane	ug/kg	43	U	53	U	270	U
8260_S_4-2	N	1,1-Dichloroethane	ug/kg	43	U	53	U	270	U
8260_S_4-2	N	1,1-Dichloroethene	ug/kg	43	U	53	U	270	U
8260_S_4-2	N	1,2,4-Trichlorobenzene	ug/kg	43	UJ	53	UJ	270	UJ
8260_S_4-2	N	1,2-Dibromo-3-chloropropane	ug/kg	43	U	53	U	270	U
8260_S_4-2	N	1,2-Dibromoethane	ug/kg	43	U	53	U	270	U
8260_S_4-2	N	1,2-Dichlorobenzene	ug/kg	43	U	53	U	270	U
8260_S_4-2	N	1,2-Dichloroethane	ug/kg	43	U	53	U	270	U
8260_S_4-2	N	1,2-Dichloropropane	ug/kg	43	U	53	U	270	U
8260_S_4-2	N	1,3-Dichlorobenzene	ug/kg	43	U	53	U	270	U
8260_S_4-2	N	1,4-Dichlorobenzene	ug/kg	43	U	53	U	270	U
8260_S_4-2	N	2-Butanone	ug/kg	43	U	53	U	270	U
8260_S_4-2	N	2-Hexanone	ug/kg	43	U	53	U	270	U
8260_S_4-2	N	4-Methyl-2-pentanone	ug/kg	43	U	53	U	270	U
8260_S_4-2	N	Acetic acid, methyl ester	ug/kg	43	U	53	U	270	U
8260_S_4-2	N	Acetone	ug/kg	43	UJ	53	UJ	270	UJ
8260_S_4-2	N	Benzene	ug/kg	43	U	53	U	270	U
8260_S_4-2	N	Bromodichloromethane	ug/kg	43	U	53	U	270	U
8260_S_4-2	N	Bromoform	ug/kg	43	U	53	U	270	U
8260_S_4-2	N	Bromomethane	ug/kg	43	UJ	53	UJ	270	UJ
8260_S_4-2	N	Carbon disulfide	ug/kg	43	U	53	U	270	U
8260_S_4-2	N	Carbon tetrachloride	ug/kg	43	U	53	U	270	U
8260_S_4-2	N	Chlorobenzene	ug/kg	43	U	53	U	270	U
8260_S_4-2	N	Chloroethane	ug/kg	43	UJ	53	UJ	270	UJ
8260_S_4-2	N	Chloroform	ug/kg	43	U	53	U	270	U
8260_S_4-2	N	Chloromethane	ug/kg	43	U	53	U	270	U
8260_S_4-2	N	Cis-1,2-Dichloroethene	ug/kg	93		87		270	U
8260_S_4-2	N	Cis-1,3-Dichloropropene	ug/kg	43	U	53	U	270	U
8260_S_4-2	N	Cyclohexane	ug/kg	43	U	53	U	270	U
8260_S_4-2	N	Dibromochloromethane	ug/kg	43	U	53	U	270	U
8260_S_4-2	N	Dichlorodifluoromethane	ug/kg	43	U	53	U	270	U
8260_S_4-2	N	Ethyl benzene	ug/kg	43	U	53	U	270	U
8260_S_4-2	N	Isopropylbenzene	ug/kg	43	U	53	U	270	U
8260_S_4-2	N	Methyl cyclohexane	ug/kg	43	U	53	U	270	U
8260_S_4-2	N	Methyl Tertbutyl Ether	ug/kg	43	U	53	U	270	U
8260_S_4-2	N	Methylene chloride	ug/kg	43	U	53	U	270	U
8260_S_4-2	N	Styrene	ug/kg	43	U	53	U	270	U
8260_S_4-2	N	Tetrachloroethene	ug/kg	2800		18000		64000	
8260_S_4-2	N	Toluene	ug/kg	43	U	53	U	270	U
8260_S_4-2	N	trans-1,2-Dichloroethene	ug/kg	43	U	53	U	270	U
8260_S_4-2	N	trans-1,3-Dichloropropene	ug/kg	43	UJ	53	UJ	270	UJ
8260_S_4-2	N	Trichloroethene	ug/kg	92		390		910	
8260_S_4-2	N	Trichlorofluoromethane	ug/kg	43	UJ	53	UJ	270	UJ
8260_S_4-2	N	Vinyl chloride	ug/kg	43	U	53	U	270	U
8260_S_4-2	N	Xylenes, Total	ug/kg	43	U	53	U	270	U
PMOIST	N	Percent Moisture	PERCENT	16.4		21.1		22.8	

Notes:
ug/Kg = microgram per kilogram
FS = Field Sample, TB = Trip Blank, FD = Field Duplicate
Qualifiers:
U = not detected at the reporting limit
J = estimated

TABLE 2 - SAMPLE RESULTS SUMMARY
DATA USABILITY SUMMARY REPORT
JUNE 2014 IRM SOIL SAMPLING EVENT
INDUSTRIAL OVERALL UNIFORM CORPORATION
NEW ROCHELLE, NEW YORK

		Lab SDG	AMEC021		AMEC021		AMEC021	
		Loc Name	ESW-02		ESW-03		ESW-03	
		Field Sample Date	6/12/2014 14:53		6/12/2014 17:05		6/12/2014 17:20	
		Field Sample Id	360109-ESW0201		360109-ESW0302		360109-ESW0301	
		Qc Code	FS		FS		FS	
Method	**Fraction**	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier
8260_S_4-2	N	1,1,1-Trichloroethane	ug/kg	47	U	39	U	200	U
8260_S_4-2	N	1,1,2,2-Tetrachloroethane	ug/kg	47	U	39	U	200	U
8260_S_4-2	N	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	47	U	39	U	200	U
8260_S_4-2	N	1,1,2-Trichloroethane	ug/kg	47	U	39	U	200	U
8260_S_4-2	N	1,1-Dichloroethane	ug/kg	47	U	39	U	200	U
8260_S_4-2	N	1,1-Dichloroethene	ug/kg	47	U	39	U	200	U
8260_S_4-2	N	1,2,4-Trichlorobenzene	ug/kg	47	UJ	39	UJ	200	UJ
8260_S_4-2	N	1,2-Dibromo-3-chloropropane	ug/kg	47	U	39	U	200	U
8260_S_4-2	N	1,2-Dibromoethane	ug/kg	47	U	39	U	200	U
8260_S_4-2	N	1,2-Dichlorobenzene	ug/kg	47	U	39	U	200	U
8260_S_4-2	N	1,2-Dichloroethane	ug/kg	47	U	39	U	200	U
8260_S_4-2	N	1,2-Dichloropropane	ug/kg	47	U	39	U	200	U
8260_S_4-2	N	1,3-Dichlorobenzene	ug/kg	47	U	39	U	200	U
8260_S_4-2	N	1,4-Dichlorobenzene	ug/kg	47	U	39	U	200	U
8260_S_4-2	N	2-Butanone	ug/kg	47	U	39	U	200	U
8260_S_4-2	N	2-Hexanone	ug/kg	47	U	39	U	200	U
8260_S_4-2	N	4-Methyl-2-pentanone	ug/kg	47	U	39	U	200	U
8260_S_4-2	N	Acetic acid, methyl ester	ug/kg	47	U	39	U	200	U
8260_S_4-2	N	Acetone	ug/kg	47	UJ	39	UJ	200	UJ
8260_S_4-2	N	Benzene	ug/kg	47	U	39	U	200	U
8260_S_4-2	N	Bromodichloromethane	ug/kg	47	U	39	U	200	U
8260_S_4-2	N	Bromoform	ug/kg	47	U	39	U	200	U
8260_S_4-2	N	Bromomethane	ug/kg	47	UJ	39	UJ	200	UJ
8260_S_4-2	N	Carbon disulfide	ug/kg	47	U	39	U	200	U
8260_S_4-2	N	Carbon tetrachloride	ug/kg	47	U	39	U	200	U
8260_S_4-2	N	Chlorobenzene	ug/kg	47	U	39	U	200	U
8260_S_4-2	N	Chloroethane	ug/kg	47	UJ	39	UJ	200	UJ
8260_S_4-2	N	Chloroform	ug/kg	47	U	39	U	200	U
8260_S_4-2	N	Chloromethane	ug/kg	47	U	39	U	200	U
8260_S_4-2	N	Cis-1,2-Dichloroethene	ug/kg	150		39	U	200	U
8260_S_4-2	N	Cis-1,3-Dichloropropene	ug/kg	47	U	39	U	200	U
8260_S_4-2	N	Cyclohexane	ug/kg	47	U	39	U	200	U
8260_S_4-2	N	Dibromochloromethane	ug/kg	47	U	39	U	200	U
8260_S_4-2	N	Dichlorodifluoromethane	ug/kg	47	U	39	U	200	U
8260_S_4-2	N	Ethyl benzene	ug/kg	47	U	39	U	200	U
8260_S_4-2	N	Isopropylbenzene	ug/kg	47	U	39	U	200	U
8260_S_4-2	N	Methyl cyclohexane	ug/kg	47	U	39	U	200	U
8260_S_4-2	N	Methyl Tertbutyl Ether	ug/kg	47	U	39	U	200	U
8260_S_4-2	N	Methylene chloride	ug/kg	47	U	39	U	200	U
8260_S_4-2	N	Styrene	ug/kg	47	U	39	U	200	U
8260_S_4-2	N	Tetrachloroethene	ug/kg	7100		2900		50000	
8260_S_4-2	N	Toluene	ug/kg	47	U	39	U	200	U
8260_S_4-2	N	trans-1,2-Dichloroethene	ug/kg	47	U	39	U	200	U
8260_S_4-2	N	trans-1,3-Dichloropropene	ug/kg	47	UJ	39	UJ	200	UJ
8260_S_4-2	N	Trichloroethene	ug/kg	110		39	U	200	U
8260_S_4-2	N	Trichlorofluoromethane	ug/kg	47	UJ	39	UJ	200	UJ
8260_S_4-2	N	Vinyl chloride	ug/kg	47	U	39	U	200	U
8260_S_4-2	N	Xylenes, Total	ug/kg	47	U	39	U	200	U
PMOIST	N	Percent Moisture	PERCENT	15.9		13.6		19.7	

Notes:
ug/Kg = microgram per kilogram
FS = Field Sample, TB = Trip Blank, FD = Field Duplicate
Qualifiers:
U = not detected at the reporting limit
J = estimated

TABLE 2 - SAMPLE RESULTS SUMMARY
DATA USABILITY SUMMARY REPORT
JUNE 2014 IRM SOIL SAMPLING EVENT
INDUSTRIAL OVERALL UNIFORM CORPORATION
NEW ROCHELLE, NEW YORK

			Lab SDG	AMEC021		AMEC021		AMEC021	
			Loc Name	ESW-04		ESW-04		ESW-05	
			Field Sample Date	6/12/2014 14:05		6/12/2014 14:10		6/12/2014 8:50	
			Field Sample Id	360109-ESW0402		360109-ESW0401		360109-ESW0503	
			Qc Code	FS		FS		FS	
Method	**Fraction**	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier
8260_S_4-2	N	1,1,1-Trichloroethane	ug/kg	41	U	48	U	42	U
8260_S_4-2	N	1,1,2,2-Tetrachloroethane	ug/kg	41	U	48	U	42	U
8260_S_4-2	N	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	41	U	48	U	42	U
8260_S_4-2	N	1,1,2-Trichloroethane	ug/kg	41	U	48	U	42	U
8260_S_4-2	N	1,1-Dichloroethane	ug/kg	41	U	48	U	42	U
8260_S_4-2	N	1,1-Dichloroethene	ug/kg	41	U	48	U	42	U
8260_S_4-2	N	1,2,4-Trichlorobenzene	ug/kg	41	UJ	48	UJ	42	UJ
8260_S_4-2	N	1,2-Dibromo-3-chloropropane	ug/kg	41	U	48	U	42	U
8260_S_4-2	N	1,2-Dibromoethane	ug/kg	41	U	48	U	42	U
8260_S_4-2	N	1,2-Dichlorobenzene	ug/kg	41	U	48	U	42	U
8260_S_4-2	N	1,2-Dichloroethane	ug/kg	41	U	48	U	42	U
8260_S_4-2	N	1,2-Dichloropropane	ug/kg	41	U	48	U	42	U
8260_S_4-2	N	1,3-Dichlorobenzene	ug/kg	41	U	48	U	42	U
8260_S_4-2	N	1,4-Dichlorobenzene	ug/kg	41	U	48	U	42	U
8260_S_4-2	N	2-Butanone	ug/kg	41	U	48	U	42	U
8260_S_4-2	N	2-Hexanone	ug/kg	41	U	48	U	42	U
8260_S_4-2	N	4-Methyl-2-pentanone	ug/kg	41	U	48	U	42	U
8260_S_4-2	N	Acetic acid, methyl ester	ug/kg	41	U	48	U	42	U
8260_S_4-2	N	Acetone	ug/kg	41	UJ	48	UJ	42	UJ
8260_S_4-2	N	Benzene	ug/kg	41	U	48	U	42	U
8260_S_4-2	N	Bromodichloromethane	ug/kg	41	U	48	U	42	U
8260_S_4-2	N	Bromoform	ug/kg	41	U	48	U	42	U
8260_S_4-2	N	Bromomethane	ug/kg	41	UJ	48	UJ	42	UJ
8260_S_4-2	N	Carbon disulfide	ug/kg	41	U	48	U	42	U
8260_S_4-2	N	Carbon tetrachloride	ug/kg	41	U	48	U	42	U
8260_S_4-2	N	Chlorobenzene	ug/kg	41	U	48	U	42	U
8260_S_4-2	N	Chloroethane	ug/kg	41	UJ	48	UJ	42	UJ
8260_S_4-2	N	Chloroform	ug/kg	41	U	48	U	42	U
8260_S_4-2	N	Chloromethane	ug/kg	41	U	48	U	42	U
8260_S_4-2	N	Cis-1,2-Dichloroethene	ug/kg	41	U	48	U	42	U
8260_S_4-2	N	Cis-1,3-Dichloropropene	ug/kg	41	U	48	U	42	U
8260_S_4-2	N	Cyclohexane	ug/kg	41	U	48	U	42	U
8260_S_4-2	N	Dibromochloromethane	ug/kg	41	U	48	U	42	U
8260_S_4-2	N	Dichlorodifluoromethane	ug/kg	41	U	48	U	42	U
8260_S_4-2	N	Ethyl benzene	ug/kg	41	U	48	U	42	U
8260_S_4-2	N	Isopropylbenzene	ug/kg	41	U	48	U	42	U
8260_S_4-2	N	Methyl cyclohexane	ug/kg	41	U	48	U	42	U
8260_S_4-2	N	Methyl Tertbutyl Ether	ug/kg	41	U	48	U	42	U
8260_S_4-2	N	Methylene chloride	ug/kg	41	U	48	U	42	U
8260_S_4-2	N	Styrene	ug/kg	41	U	48	U	42	U
8260_S_4-2	N	Tetrachloroethene	ug/kg	2000		230		2300	
8260_S_4-2	N	Toluene	ug/kg	41	U	48	U	42	U
8260_S_4-2	N	trans-1,2-Dichloroethene	ug/kg	41	U	48	U	42	U
8260_S_4-2	N	trans-1,3-Dichloropropene	ug/kg	41	UJ	48	UJ	42	UJ
8260_S_4-2	N	Trichloroethene	ug/kg	41	U	48	U	54	
8260_S_4-2	N	Trichlorofluoromethane	ug/kg	41	UJ	48	UJ	42	UJ
8260_S_4-2	N	Vinyl chloride	ug/kg	41	U	48	U	42	U
8260_S_4-2	N	Xylenes, Total	ug/kg	41	U	48	U	42	U
PMOIST	N	Percent Moisture	PERCENT	15.6		15.7		18.7	

Notes:
ug/Kg = microgram per kilogram
FS = Field Sample, TB = Trip Blank, FD = Field Duplicate
Qualifiers:
U = not detected at the reporting limit
J = estimated

TABLE 2 - SAMPLE RESULTS SUMMARY
DATA USABILITY SUMMARY REPORT
JUNE 2014 IRM SOIL SAMPLING EVENT
INDUSTRIAL OVERALL UNIFORM CORPORATION
NEW ROCHELLE, NEW YORK

			Lab SDG	AMEC021		AMEC021	
			Loc Name	ESW-05		QC	
			Field Sample Date	6/12/2014 8:52		6/12/2014 0:00	
			Field Sample Id	360109-ESW0501		Trip Blank	
			Qc Code	FS		TB	
Method	**Fraction**	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier
8260_S_4-2	N	1,1,1-Trichloroethane	ug/kg	55	U	130	U
8260_S_4-2	N	1,1,2,2-Tetrachloroethane	ug/kg	55	U	130	U
8260_S_4-2	N	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	55	U	130	U
8260_S_4-2	N	1,1,2-Trichloroethane	ug/kg	55	U	130	U
8260_S_4-2	N	1,1-Dichloroethane	ug/kg	55	U	130	U
8260_S_4-2	N	1,1-Dichloroethene	ug/kg	55	U	130	U
8260_S_4-2	N	1,2,4-Trichlorobenzene	ug/kg	55	UJ	130	U
8260_S_4-2	N	1,2-Dibromo-3-chloropropane	ug/kg	55	U	130	U
8260_S_4-2	N	1,2-Dibromoethane	ug/kg	55	U	130	U
8260_S_4-2	N	1,2-Dichlorobenzene	ug/kg	55	U	130	U
8260_S_4-2	N	1,2-Dichloroethane	ug/kg	55	U	130	U
8260_S_4-2	N	1,2-Dichloropropane	ug/kg	55	U	130	U
8260_S_4-2	N	1,3-Dichlorobenzene	ug/kg	55	U	130	U
8260_S_4-2	N	1,4-Dichlorobenzene	ug/kg	55	U	130	U
8260_S_4-2	N	2-Butanone	ug/kg	55	U	130	U
8260_S_4-2	N	2-Hexanone	ug/kg	55	U	130	U
8260_S_4-2	N	4-Methyl-2-pentanone	ug/kg	55	U	130	U
8260_S_4-2	N	Acetic acid, methyl ester	ug/kg	55	U	130	U
8260_S_4-2	N	Acetone	ug/kg	55	UJ	130	U
8260_S_4-2	N	Benzene	ug/kg	55	U	130	U
8260_S_4-2	N	Bromodichloromethane	ug/kg	55	U	130	U
8260_S_4-2	N	Bromoform	ug/kg	55	U	130	U
8260_S_4-2	N	Bromomethane	ug/kg	55	UJ	130	U
8260_S_4-2	N	Carbon disulfide	ug/kg	55	U	130	U
8260_S_4-2	N	Carbon tetrachloride	ug/kg	55	U	130	U
8260_S_4-2	N	Chlorobenzene	ug/kg	55	U	130	U
8260_S_4-2	N	Chloroethane	ug/kg	55	UJ	130	U
8260_S_4-2	N	Chloroform	ug/kg	55	U	130	U
8260_S_4-2	N	Chloromethane	ug/kg	55	U	130	U
8260_S_4-2	N	Cis-1,2-Dichloroethene	ug/kg	55	U	130	U
8260_S_4-2	N	Cis-1,3-Dichloropropene	ug/kg	55	U	130	U
8260_S_4-2	N	Cyclohexane	ug/kg	55	U	130	U
8260_S_4-2	N	Dibromochloromethane	ug/kg	55	U	130	U
8260_S_4-2	N	Dichlorodifluoromethane	ug/kg	55	U	130	U
8260_S_4-2	N	Ethyl benzene	ug/kg	55	U	130	U
8260_S_4-2	N	Isopropylbenzene	ug/kg	55	U	130	U
8260_S_4-2	N	Methyl cyclohexane	ug/kg	55	U	130	U
8260_S_4-2	N	Methyl Tertbutyl Ether	ug/kg	55	U	130	U
8260_S_4-2	N	Methylene chloride	ug/kg	55	U	130	U
8260_S_4-2	N	Styrene	ug/kg	55	U	130	U
8260_S_4-2	N	Tetrachloroethene	ug/kg	2600		130	U
8260_S_4-2	N	Toluene	ug/kg	55	U	130	U
8260_S_4-2	N	trans-1,2-Dichloroethene	ug/kg	55	U	130	U
8260_S_4-2	N	trans-1,3-Dichloropropene	ug/kg	55	UJ	130	U
8260_S_4-2	N	Trichloroethene	ug/kg	55	U	130	U
8260_S_4-2	N	Trichlorofluoromethane	ug/kg	55	UJ	130	U
8260_S_4-2	N	Vinyl chloride	ug/kg	55	U	130	U
8260_S_4-2	N	Xylenes, Total	ug/kg	55	U	130	U
PMOIST	N	Percent Moisture	PERCENT	20.6			

Notes:
ug/Kg = microgram per kilogram
FS = Field Sample, TB = Trip Blank, FD = Field Duplicate
Qualifiers:
U = not detected at the reporting limit
J = estimated

Produced by: KMS 03/03/15
Checked by: TLC 03/03/15

TABLE 3 - VALIDATION ACTIONS
DATA USABILITY SUMMARY REPORT
JUNE 2014 IRM SOIL SAMPLING EVENT
INDUSTRIAL OVERALL UNIFORM CORPORATION
NEW ROCHELLE, NEW YORK

SDG	Analysis Method	Lab Sample ID	Field Sample ID	Parameter Name	Lab Result	Lab Qualifier	Validated Result	Validated Qualifier	Val Reason Code	Result Units	Lab Id
AMEC020	8260_S_4-2	1406957-001A	360109-SS300000	1,2,4-Trichlorobenzene	1200	U	1200	UJ	CCV%D	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-001A	360109-SS300000	Acetone	1200	U	1200	UJ	ICVRSD	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-001A	360109-SS300000	Bromomethane	1200	U	1200	UJ	ICVRSD, LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-001A	360109-SS300000	Chloroethane	1200	U	1200	UJ	LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-001A	360109-SS300000	trans-1,3-Dichloropropene	1200	U	1200	UJ	CCV%D	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-001A	360109-SS300000	Trichlorofluoromethane	1200	U	1200	UJ	LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-002A	360109-SS300002	1,2,4-Trichlorobenzene	350	U	350	UJ	CCV%D	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-002A	360109-SS300002	Acetone	350	U	350	UJ	ICVRSD	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-002A	360109-SS300002	Bromomethane	350	U	350	UJ	ICVRSD, LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-002A	360109-SS300002	Chloroethane	350	U	350	UJ	LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-002A	360109-SS300002	trans-1,3-Dichloropropene	350	U	350	UJ	CCV%D	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-002A	360109-SS300002	Trichlorofluoromethane	350	U	350	UJ	LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-003A	360109-SS300004	1,2,4-Trichlorobenzene	150	U	150	UJ	CCV%D	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-003A	360109-SS300004	Acetone	150	U	150	UJ	ICVRSD	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-003A	360109-SS300004	Bromomethane	150	U	150	UJ	ICVRSD, LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-003A	360109-SS300004	Chloroethane	150	U	150	UJ	LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-003A	360109-SS300004	trans-1,3-Dichloropropene	150	U	150	UJ	CCV%D	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-003A	360109-SS300004	Trichlorofluoromethane	150	U	150	UJ	LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-004A	360109-SS301000	1,2,4-Trichlorobenzene	420	U	420	UJ	CCV%D	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-004A	360109-SS301000	Acetone	420	U	420	UJ	ICVRSD	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-004A	360109-SS301000	Bromomethane	420	U	420	UJ	ICVRSD, LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-004A	360109-SS301000	Chloroethane	420	U	420	UJ	LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-004A	360109-SS301000	trans-1,3-Dichloropropene	420	U	420	UJ	CCV%D	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-004A	360109-SS301000	Trichlorofluoromethane	420	U	420	UJ	LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-005A	360109-SS301002	1,2,4-Trichlorobenzene	190	U	190	UJ	CCV%D	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-005A	360109-SS301002	Acetone	190	U	190	UJ	ICVRSD	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-005A	360109-SS301002	Bromomethane	190	U	190	UJ	ICVRSD, LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-005A	360109-SS301002	Chloroethane	190	U	190	UJ	LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-005A	360109-SS301002	trans-1,3-Dichloropropene	190	U	190	UJ	CCV%D	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-005A	360109-SS301002	Trichlorofluoromethane	190	U	190	UJ	LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-006A	360109-SS301004	1,2,4-Trichlorobenzene	2500	U	2500	UJ	CCV%D	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-006A	360109-SS301004	Acetone	2500	U	2500	UJ	ICVRSD	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-006A	360109-SS301004	Bromomethane	2500	U	2500	UJ	ICVRSD, LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-006A	360109-SS301004	Chloroethane	2500	U	2500	UJ	LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-006A	360109-SS301004	trans-1,3-Dichloropropene	2500	U	2500	UJ	CCV%D	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-006A	360109-SS301004	Trichlorofluoromethane	2500	U	2500	UJ	LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-007A	360109-SS302000	Acetone	51	U	51	UJ	ICVRSD	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-007A	360109-SS302000	Bromomethane	51	U	51	UJ	ICVRSD, CCV%D, LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-007A	360109-SS302000	Carbon tetrachloride	51	U	51	UJ	CCV%D	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-007A	360109-SS302000	Chloroethane	51	U	51	UJ	LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-007A	360109-SS302000	Chloroform	51	U	51	UJ	CCV%D	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-007A	360109-SS302000	Dichlorodifluoromethane	51	U	51	UJ	CCV%D, LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-007A	360109-SS302000	trans-1,3-Dichloropropene	51	U	51	UJ	CCV%D	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-007A	360109-SS302000	Trichlorofluoromethane	51	U	51	UJ	LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-008A	360109-SS302002	Acetic acid, methyl ester	1100		1100	J	SS-H	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-008A	360109-SS302002	Acetone	52	U	52	UJ	ICVRSD	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-008A	360109-SS302002	Bromomethane	52	U	52	UJ	ICVRSD, CCV%D, LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-008A	360109-SS302002	Carbon tetrachloride	52	U	52	UJ	CCV%D	ug/kg	PACE_LI

TABLE 3 - VALIDATION ACTIONS
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INDUSTRIAL OVERALL UNIFORM CORPORATION
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SDG	Analysis Method	Lab Sample ID	Field Sample ID	Parameter Name	Lab Result	Lab Qualifier	Validated Result	Validated Qualifier	Val Reason Code	Result Units	Lab Id
AMEC020	8260_S_4-2	1406957-008A	360109-SS302002	Chloroethane	52	U	52	UJ	LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-008A	360109-SS302002	Chloroform	52	U	52	UJ	CCV%D	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-008A	360109-SS302002	Dichlorodifluoromethane	52	U	52	UJ	CCV%D, LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-008A	360109-SS302002	Tetrachloroethene	6200		6200	J	SS-H	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-008A	360109-SS302002	trans-1,3-Dichloropropene	52	U	52	UJ	CCV%D	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-008A	360109-SS302002	Trichlorofluoromethane	52	U	52	UJ	LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-009A	360109-SS302004	Acetone	180	U	180	UJ	ICVRSD	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-009A	360109-SS302004	Bromomethane	180	U	180	UJ	ICVRSD, CCV%D, LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-009A	360109-SS302004	Carbon tetrachloride	180	U	180	UJ	CCV%D	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-009A	360109-SS302004	Chloroethane	180	U	180	UJ	LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-009A	360109-SS302004	Chloroform	180	U	180	UJ	CCV%D	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-009A	360109-SS302004	Dichlorodifluoromethane	180	U	180	UJ	CCV%D, LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-009A	360109-SS302004	Tetrachloroethene	20000		20000	J	SS-H	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-009A	360109-SS302004	trans-1,3-Dichloropropene	180	U	180	UJ	CCV%D	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-009A	360109-SS302004	Trichloroethene	260		260	J	SS-H	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-009A	360109-SS302004	Trichlorofluoromethane	180	U	180	UJ	LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-010A	360109-SS303000	Acetone	38	U	38	UJ	ICVRSD	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-010A	360109-SS303000	Bromomethane	38	U	38	UJ	ICVRSD, CCV%D, LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-010A	360109-SS303000	Carbon tetrachloride	38	U	38	UJ	CCV%D	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-010A	360109-SS303000	Chloroethane	38	U	38	UJ	LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-010A	360109-SS303000	Chloroform	38	U	38	UJ	CCV%D	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-010A	360109-SS303000	Dichlorodifluoromethane	38	U	38	UJ	CCV%D, LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-010A	360109-SS303000	trans-1,3-Dichloropropene	38	U	38	UJ	CCV%D	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-010A	360109-SS303000	Trichlorofluoromethane	38	U	38	UJ	LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-011A	360109-SS303002	Acetone	40	U	40	UJ	ICVRSD	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-011A	360109-SS303002	Bromomethane	40	U	40	UJ	ICVRSD, CCV%D, LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-011A	360109-SS303002	Carbon tetrachloride	40	U	40	UJ	CCV%D	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-011A	360109-SS303002	Chloroethane	40	U	40	UJ	LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-011A	360109-SS303002	Chloroform	40	U	40	UJ	CCV%D	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-011A	360109-SS303002	Dichlorodifluoromethane	40	U	40	UJ	CCV%D, LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-011A	360109-SS303002	trans-1,3-Dichloropropene	40	U	40	UJ	CCV%D	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-011A	360109-SS303002	Trichlorofluoromethane	40	U	40	UJ	LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-012A	360109-SS303004	Acetone	130	U	130	UJ	ICVRSD	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-012A	360109-SS303004	Bromomethane	130	U	130	UJ	ICVRSD, CCV%D, LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-012A	360109-SS303004	Carbon tetrachloride	130	U	130	UJ	CCV%D	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-012A	360109-SS303004	Chloroethane	130	U	130	UJ	LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-012A	360109-SS303004	Chloroform	130	U	130	UJ	CCV%D	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-012A	360109-SS303004	Dichlorodifluoromethane	130	U	130	UJ	CCV%D, LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-012A	360109-SS303004	trans-1,3-Dichloropropene	130	U	130	UJ	CCV%D	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-012A	360109-SS303004	Trichlorofluoromethane	130	U	130	UJ	LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-013A	360109-SS304000	Acetone	160	U	160	UJ	ICVRSD	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-013A	360109-SS304000	Bromomethane	160	U	160	UJ	ICVRSD, CCV%D, LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-013A	360109-SS304000	Carbon tetrachloride	160	U	160	UJ	CCV%D	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-013A	360109-SS304000	Chloroethane	160	U	160	UJ	LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-013A	360109-SS304000	Chloroform	160	U	160	UJ	CCV%D	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-013A	360109-SS304000	Dichlorodifluoromethane	160	U	160	UJ	CCV%D, LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-013A	360109-SS304000	trans-1,3-Dichloropropene	160	U	160	UJ	CCV%D	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-013A	360109-SS304000	Trichlorofluoromethane	160	U	160	UJ	LCS-L	ug/kg	PACE_LI

TABLE 3 - VALIDATION ACTIONS
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JUNE 2014 IRM SOIL SAMPLING EVENT
INDUSTRIAL OVERALL UNIFORM CORPORATION
NEW ROCHELLE, NEW YORK

SDG	Analysis Method	Lab Sample ID	Field Sample ID	Parameter Name	Lab Result	Lab Qualifier	Validated Result	Validated Qualifier	Val Reason Code	Result Units	Lab Id
AMEC020	8260_S_4-2	1406957-014A	360109-SS304002	Acetone	240	U	240	UJ	ICVRSD	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-014A	360109-SS304002	Bromomethane	240	U	240	UJ	ICVRSD, CCV%D, LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-014A	360109-SS304002	Chloroethane	240	U	240	UJ	LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-014A	360109-SS304002	Dichlorodifluoromethane	240	U	240	UJ	CCV%D	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-014A	360109-SS304002	Tetrachloroethene	29000		29000	J	CCV%D	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-014A	360109-SS304002	Trichlorofluoromethane	240	U	240	UJ	LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-015A	360109-SS304004	Acetone	150	U	150	UJ	ICVRSD	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-015A	360109-SS304004	Bromomethane	150	U	150	UJ	ICVRSD, CCV%D, LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-015A	360109-SS304004	Chloroethane	150	U	150	UJ	LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-015A	360109-SS304004	Dichlorodifluoromethane	150	U	150	UJ	CCV%D	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-015A	360109-SS304004	Tetrachloroethene	5700		5700	J	CCV%D	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-015A	360109-SS304004	Trichlorofluoromethane	150	U	150	UJ	LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-016A	360109-SS30500D	Acetone	230	U	230	UJ	ICVRSD	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-016A	360109-SS30500D	Bromomethane	230	U	230	UJ	ICVRSD, CCV%D, LCS-L, MS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-016A	360109-SS30500D	Chloroethane	230	U	230	UJ	LCS-L, MS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-016A	360109-SS30500D	Dichlorodifluoromethane	230	U	230	UJ	CCV%D	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-016A	360109-SS30500D	Tetrachloroethene	23000		23000	J	CCV%D, MS-L, MS-RPD	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-016A	360109-SS30500D	Trichlorofluoromethane	230	U	230	UJ	LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-017A	360109-SS305000	Acetone	170	U	170	UJ	ICVRSD	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-017A	360109-SS305000	Bromomethane	170	U	170	UJ	ICVRSD, CCV%D, LCS-L, MS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-017A	360109-SS305000	Chloroethane	170	U	170	UJ	LCS-L, MS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-017A	360109-SS305000	Dichlorodifluoromethane	170	U	170	UJ	CCV%D	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-017A	360109-SS305000	Tetrachloroethene	20000		20000	J	CCV%D, SS-H, MS-L, MS-RPD	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-017A	360109-SS305000	Trichlorofluoromethane	170	U	170	UJ	LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-018A	360109-SS305002	Acetone	1100	U	1100	UJ	ICVRSD	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-018A	360109-SS305002	Bromomethane	1100	U	1100	UJ	ICVRSD, CCV%D, LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-018A	360109-SS305002	Chloroethane	1100	U	1100	UJ	LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-018A	360109-SS305002	Dichlorodifluoromethane	1100	U	1100	UJ	CCV%D	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-018A	360109-SS305002	Tetrachloroethene	150000		150000	J	CCV%D, SS-H	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-018A	360109-SS305002	Toluene	1600		1600	J	SS-H	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-018A	360109-SS305002	Trichloroethene	1600		1600	J	SS-H	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-018A	360109-SS305002	Trichlorofluoromethane	1100	U	1100	UJ	LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-018A	360109-SS305002	Xylenes, Total	2200		2200	J	SS-H	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-019A	360109-SS305004	Acetone	750	U	750	UJ	ICVRSD	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-019A	360109-SS305004	Bromomethane	750	U	750	UJ	ICVRSD, CCV%D, LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-019A	360109-SS305004	Chloroethane	750	U	750	UJ	LCS-L	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-019A	360109-SS305004	Dichlorodifluoromethane	750	U	750	UJ	CCV%D	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-019A	360109-SS305004	Tetrachloroethene	130000		130000	J	CCV%D, SS-H	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-019A	360109-SS305004	Toluene	950		950	J	SS-H	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-019A	360109-SS305004	Trichloroethene	2300		2300	J	SS-H	ug/kg	PACE_LI
AMEC020	8260_S_4-2	1406957-019A	360109-SS305004	Trichlorofluoromethane	750	U	750	UJ	LCS-L	ug/kg	PACE_LI

Notes

Val Reason Code --

BL1 = Method blank contamination
SS-H = Surrogate recovery above control limits
LCS-L = LCS or LCSD recovery below control limits
MS-L = MS or MSD recovery below control limits
CCV%D = Continuing calibration %D above control limit
MS-H = MS or MSD recovery above control limits
MS-RPD = MS/MSD RPD above control limit

TABLE 3 - VALIDATION ACTIONS
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SDG	Analysis Method	Lab Sample ID	Field Sample ID	Parameter Name	Lab Result	Lab Qualifier	Validated Result	Validated Qualifier	Val Reason Code	Result Units	Lab Id
AMEC021	8260_S_4-2	1406A01-001A	360109-ESB0106	1,2,4-Trichlorobenzene	44	U	44	UJ	CCV%D	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-001A	360109-ESB0106	Acetone	44	U	44	UJ	ICVRSD	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-001A	360109-ESB0106	Bromomethane	44	U	44	UJ	ICVRSD, CCV%D,	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-001A	360109-ESB0106	Chloroethane	44	U	44	UJ	LCS-L	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-001A	360109-ESB0106	trans-1,3-Dichloropropene	44	U	44	UJ	CCV%D	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-001A	360109-ESB0106	Trichlorofluoromethane	44	U	44	UJ	LCS-L	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-002A	360109-ESB0202	1,2,4-Trichlorobenzene	42	U	42	UJ	CCV%D	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-002A	360109-ESB0202	Acetone	42	U	42	UJ	ICVRSD	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-002A	360109-ESB0202	Bromomethane	42	U	42	UJ	ICVRSD, CCV%D,	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-002A	360109-ESB0202	Chloroethane	42	U	42	UJ	MS-L	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-002A	360109-ESB0202	trans-1,3-Dichloropropene	42	U	42	UJ	CCV%D	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-002A	360109-ESB0202	Trichlorofluoromethane	42	U	42	UJ	MS-L	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-003A	360109-ESB0202 (D)	1,2,4-Trichlorobenzene	48	U	48	UJ	CCV%D	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-003A	360109-ESB0202 (D)	Acetone	48	U	48	UJ	ICVRSD	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-003A	360109-ESB0202 (D)	Bromomethane	48	U	48	UJ	ICVRSD, CCV%D,	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-003A	360109-ESB0202 (D)	Chloroethane	48	U	48	UJ	MS-L	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-003A	360109-ESB0202 (D)	trans-1,3-Dichloropropene	48	U	48	UJ	CCV%D	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-003A	360109-ESB0202 (D)	Trichlorofluoromethane	48	U	48	UJ	MS-L	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-004A	360109-ESW0101	1,2,4-Trichlorobenzene	53	U	53	UJ	CCV%D	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-004A	360109-ESW0101	Acetone	53	U	53	UJ	ICVRSD	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-004A	360109-ESW0101	Bromomethane	53	U	53	UJ	ICVRSD, CCV%D,	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-004A	360109-ESW0101	Chloroethane	53	U	53	UJ	LCS-L	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-004A	360109-ESW0101	trans-1,3-Dichloropropene	53	U	53	UJ	CCV%D	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-004A	360109-ESW0101	Trichlorofluoromethane	53	U	53	UJ	LCS-L	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-005A	360109-ESW0104	1,2,4-Trichlorobenzene	43	U	43	UJ	CCV%D	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-005A	360109-ESW0104	Acetone	43	U	43	UJ	ICVRSD	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-005A	360109-ESW0104	Bromomethane	43	U	43	UJ	ICVRSD, CCV%D,	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-005A	360109-ESW0104	Chloroethane	43	U	43	UJ	LCS-L	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-005A	360109-ESW0104	trans-1,3-Dichloropropene	43	U	43	UJ	CCV%D	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-005A	360109-ESW0104	Trichlorofluoromethane	43	U	43	UJ	LCS-L	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-006A	360109-ESW0201	1,2,4-Trichlorobenzene	47	U	47	UJ	CCV%D	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-006A	360109-ESW0201	Acetone	47	U	47	UJ	ICVRSD	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-006A	360109-ESW0201	Bromomethane	47	U	47	UJ	ICVRSD, CCV%D,	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-006A	360109-ESW0201	Chloroethane	47	U	47	UJ	LCS-L	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-006A	360109-ESW0201	trans-1,3-Dichloropropene	47	U	47	UJ	CCV%D	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-006A	360109-ESW0201	Trichlorofluoromethane	47	U	47	UJ	LCS-L	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-007A	360109-ESW0204	1,2,4-Trichlorobenzene	270	U	270	UJ	CCV%D	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-007A	360109-ESW0204	Acetone	270	U	270	UJ	ICVRSD	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-007A	360109-ESW0204	Bromomethane	270	U	270	UJ	ICVRSD, CCV%D,	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-007A	360109-ESW0204	Chloroethane	270	U	270	UJ	LCS-L	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-007A	360109-ESW0204	trans-1,3-Dichloropropene	270	U	270	UJ	CCV%D	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-007A	360109-ESW0204	Trichlorofluoromethane	270	U	270	UJ	LCS-L	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-008A	360109-ESW0301	1,2,4-Trichlorobenzene	200	U	200	UJ	CCV%D	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-008A	360109-ESW0301	Acetone	200	U	200	UJ	ICVRSD	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-008A	360109-ESW0301	Bromomethane	200	U	200	UJ	ICVRSD, CCV%D,	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-008A	360109-ESW0301	Chloroethane	200	U	200	UJ	LCS-L	ug/kg	PACE_LI

TABLE 3 - VALIDATION ACTIONS
DATA USABILITY SUMMARY REPORT
JUNE 2014 IRM SOIL SAMPLING EVENT
INDUSTRIAL OVERALL UNIFORM CORPORATION
NEW ROCHELLE, NEW YORK

SDG	Analysis Method	Lab Sample ID	Field Sample ID	Parameter Name	Lab Result	Lab Qualifier	Validated Result	Validated Qualifier	Val Reason Code	Result Units	Lab Id
AMEC021	8260_S_4-2	1406A01-008A	360109-ESW0301	trans-1,3-Dichloropropene	200	U	200	UJ	CCV%D	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-008A	360109-ESW0301	Trichlorofluoromethane	200	U	200	UJ	LCS-L	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-009A	360109-ESW0302	1,2,4-Trichlorobenzene	39	U	39	UJ	CCV%D	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-009A	360109-ESW0302	Acetone	39	U	39	UJ	ICVRSD	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-009A	360109-ESW0302	Bromomethane	39	U	39	UJ	ICVRSD, CCV%D,	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-009A	360109-ESW0302	Chloroethane	39	U	39	UJ	LCS-L	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-009A	360109-ESW0302	trans-1,3-Dichloropropene	39	U	39	UJ	CCV%D	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-009A	360109-ESW0302	Trichlorofluoromethane	39	U	39	UJ	LCS-L	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-010A	360109-ESW0401	1,2,4-Trichlorobenzene	48	U	48	UJ	CCV%D	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-010A	360109-ESW0401	Acetone	48	U	48	UJ	ICVRSD	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-010A	360109-ESW0401	Bromomethane	48	U	48	UJ	ICVRSD, CCV%D,	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-010A	360109-ESW0401	Chloroethane	48	U	48	UJ	LCS-L	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-010A	360109-ESW0401	trans-1,3-Dichloropropene	48	U	48	UJ	CCV%D	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-010A	360109-ESW0401	Trichlorofluoromethane	48	U	48	UJ	LCS-L	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-011A	360109-ESW0402	1,2,4-Trichlorobenzene	41	U	41	UJ	CCV%D	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-011A	360109-ESW0402	Acetone	41	U	41	UJ	ICVRSD	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-011A	360109-ESW0402	Bromomethane	41	U	41	UJ	ICVRSD, CCV%D,	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-011A	360109-ESW0402	Chloroethane	41	U	41	UJ	LCS-L	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-011A	360109-ESW0402	trans-1,3-Dichloropropene	41	U	41	UJ	CCV%D	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-011A	360109-ESW0402	Trichlorofluoromethane	41	U	41	UJ	LCS-L	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-012A	360109-ESW0501	1,2,4-Trichlorobenzene	55	U	55	UJ	CCV%D	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-012A	360109-ESW0501	Acetone	55	U	55	UJ	ICVRSD	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-012A	360109-ESW0501	Bromomethane	55	U	55	UJ	ICVRSD, CCV%D,	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-012A	360109-ESW0501	Chloroethane	55	U	55	UJ	LCS-L	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-012A	360109-ESW0501	trans-1,3-Dichloropropene	55	U	55	UJ	CCV%D	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-012A	360109-ESW0501	Trichlorofluoromethane	55	U	55	UJ	LCS-L	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-013A	360109-ESW0503	1,2,4-Trichlorobenzene	42	U	42	UJ	CCV%D	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-013A	360109-ESW0503	Acetone	42	U	42	UJ	ICVRSD	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-013A	360109-ESW0503	Bromomethane	42	U	42	UJ	ICVRSD, CCV%D,	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-013A	360109-ESW0503	Chloroethane	42	U	42	UJ	LCS-L	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-013A	360109-ESW0503	trans-1,3-Dichloropropene	42	U	42	UJ	CCV%D	ug/kg	PACE_LI
AMEC021	8260_S_4-2	1406A01-013A	360109-ESW0503	Trichlorofluoromethane	42	U	42	UJ	LCS-L	ug/kg	PACE_LI

Notes **Val Reason Code --**

BL1 = Method blank contamination
SS-H = Surrogate recovery above control limits
LCS-L = LCS or LCSD recovery below control limits
MS-L = MS or MSD recovery below control limits
CCV%D = Continuing calibration %D above control limit
MS-H = MS or MSD recovery above control limits
MS-RPD = MS/MSD RPD above control limit

TABLE 4
SUMMARY OF TENTATIVELY IDENTIFIED COMPOUNDS
DATA USABILITY SUMMARY REPORT
JUNE 2014 SOIL IRM SAMPLING EVENT
INDUSTRIAL OVERALL UNIFORM CORPORATION
NEW ROCHELLE, NEW YORK

Field Sample ID	Lab Sample ID	SDG	Method	CAS Number	Chemical Name	Lab Result	Lab Qual	Final Result	Final Qual	Units
360109-ESW0201	1406A01-006A	AMEC021	8260_S_4-2	N/A	(DEL) Alkane: Straight-Chain	240	J	240	JN	ug/kg

Notes:
N = presumptive identification
J = concentration is estimated
ug/kg = microgram per kilogram

APPENDIX E

AIR MONITORING RESULTS

FIELD INSTRUMENTATION CALIBRATION RECORD

PROJECT NAME: INDUSTRIAL OVERALL UNIFORM CORPORATION
PROJECT NUMBER: 3612112221.05.01
PROJECT LOCATION: NEW ROCHELLE, NEW YORK
WEATHER CONDITIONS (AM): Sunny, HAZY
WEATHER CONDITIONS (PM): Sunny, HAZY

TASK NO: 0.01 DATE: 6-3-14
MACTEC CREW:
SAMPLER NAME: Thomas D. Lumley
SAMPLER SIGNATURE: Thomas D. Lumley
CHECKED BY: C. Stapler DATE: 7-11-14

MULTI-PARAMETER WATER QUALITY METER

METER TYPE
MODEL NO.
UNIT ID NO.

AM CALIBRATION Start Time 0730 /End Time 0745

POST CALIBRATION CHECK Start Time ——— /End Time ———

	Units	Standard Value	Meter Value	*Acceptance Criteria (AM)	Standard Value	Meter Value	*Acceptance Criteria (PM)
pH (4)	SU	4.0		+/- 0.1 pH Units			
pH (7)	SU	7.0		+/- 0.1 pH Units	7.0		+/- 0.3 pH Units
pH (10)	SU	10.0		+/- 0.1 pH Units			
Redox	+/- mV	240		+/- 10 mV	240		+/- 10 mV
Conductivity	mS/cm	1.413		+/- 0.5 % of standard	1.413		+/- 5% of standard
DO (saturated)	%	100		+/- 2% of standard			
DO (saturated)	mg/L [1] (see Chart 1)			+/- 0.2 mg/L			+/- 0.5 mg/L of standard
DO (<0.1)	mg/L	<0.1		< 0.5 mg/L			
Temperature	°C						
Baro. Press.	mmHg						

TURBIDITY METER

METER TYPE RAE (TDL)
MODEL NO. 3000 ? 3000
UNIT ID NO.

	Units	Standard Value	Meter Value	Standard Value	Meter Value	*Acceptance Criteria (PM)
<0.1 Standard	NTU	<0.1		<0.1		+/- 0.3 NTU of stan.
20 Standard	NTU	20		20		+/- 5% of standard
100 Standard	NTU	100		100		+/- 5% of standard
800 Standard	NTU	800		800		+/- 5% of standard

PHOTOIONIZATION DETECTOR

METER TYPE RAE
MODEL NO. 3000 ? 3000
UNIT ID NO. 11982 ? 592-906 336

	Units	Standard Value	Meter Value	Standard Value	Meter Value	*Acceptance Criteria (PM)
Background	ppmv	<0.1	3000: 0.0 / 3000: 0.0	<0.1	DID NOT RECORD	within 5 ppmv of BG
Span Gas	ppmv	100	101 / 99	100		+/- 10% of standard

O_2-LEL 4 GAS METER

METER TYPE
MODEL NO.
UNIT ID NO.

	Units	Standard Value	Meter Value	Standard Value	Meter Value	*Acceptance Criteria (PM)
Methane	%	50		50		+/- 10% of standard
O_2	%	20.9		20.9		+/- 10% of standard
H_2S	ppmv	25		25		+/- 10% of standard
CO	ppmv	50		50		+/- 10% of standard

OTHER METER

METER TYPE
MODEL NO.
UNIT ID NO.

See Notes Below for Additional Information

☑ Equipment calibrated within the Acceptance Criteria specified for each of the parameters listed above.
☐ Equipment (not) calibrated within the Acceptance Criteria specified for each of the parameters listed above**.

MATERIALS RECORD

Deionized Water Source: Portland FOS
Lot#/Date Produced:
Trip Blank Source:
Sample Preservatives Source:
Disposable Filter Type: 0.45µm cellulose
Calibration Fluids / Standard Source:
- DO Calibration Fluid (<0.1 mg/L) Portland FOS
- Other
- Other
- Other

Cal. Standard Lot Number	Exp. Date
pH (4)	
pH (7)	
pH (10)	
ORP	
Conductivity	
<0.1 Turb. Stan.	
20 Turb. Stan.	
100 Turb. Stan.	
800 Turb. Stan.	
PID Span Gas 3000 BAQ-248-100-1	1-8-18
~~O_2-LEL Span Gas~~ PID 3000 BAQ-248-100-4	3-15-18
Other	

NOTES:
2 PID Units: RAE 3000 ? RAE 3000 > Both from PINE ENV.

* = Unless otherwise noted, calibration procedures and acceptance criteria are in general accordance with USEPA Region 1 SOPs for Field Instrument Calibration (EQASOP-FieldCalibrat) and Low Stress Purging and Sampling (EQASOP-GW001), each dated 1/19/2010. Additonal acceptance criteria obtained from instrument specific manufacturer recommendations.
** = If meter reading is not within acceptance criteria, clean/replace probe and re-calibrate, or use calibrated back-up meter if available. If project requirements necessitate use of the instrument, clearly document any deviations from acceptance criteria on all data sheets and log book entries.
1 = DO Saturated standard value is calculated based on Oxygen Solubility at Indicated Pressure Chart from the USEPA Region 1 SOP for Field Instrument Calibration (EQASOP-FieldCalibrat), dated 1/19/2010.

MACTEC
511 Congress Street, Portland Maine 04101

FIGURE 6.1
FIELD INSTRUMENT CALIBRATION RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

FIELD INSTRUMENTATION CALIBRATION RECORD

PROJECT NAME: **INDUSTRIAL OVERALL UNIFORM CORPORATION**
PROJECT NUMBER: **3612112221.05.01**
PROJECT LOCATION: **NEW ROCHELLE, NEW YORK**
WEATHER CONDITIONS (AM): Overcast, warm, Calm
WEATHER CONDITIONS (PM): Warm

TASK NO: **0.01** DATE: 6-4-18
MACTEC CREW:
SAMPLER NAME: Thomas D. Fowler
SAMPLER SIGNATURE:
CHECKED BY: C. Stapler DATE: 7-11-14

MULTI-PARAMETER WATER QUALITY METER

METER TYPE
MODEL NO.
UNIT ID NO.

AM CALIBRATION Start Time 0702 /End Time 07:07

POST CALIBRATION CHECK ≈ 1530 Start Time /End Time

	Units	Standard Value	Meter Value	*Acceptance Criteria (AM)	Standard Value	Meter Value	*Acceptance Criteria (PM)
pH (4)	SU	4.0		+/- 0.1 pH Units			
pH (7)	SU	7.0		+/- 0.1 pH Units	7.0		+/- 0.3 pH Units
pH (10)	SU	10.0		+/- 0.1 pH Units			
Redox	+/- mV	240		+/- 10 mV	240		+/- 10 mV
Conductivity	mS/cm	1.413		+/- 0.5 % of standard	1.413		+/- 5% of standard
DO (saturated)	%	100		+/- 2% of standard			
DO (saturated)	mg/L[1] (see Chart 1)			+/- 0.2 mg/L			+/- 0.5 mg/L of standard
DO (<0.1)	mg/L	<0.1		< 0.5 mg/L			
Temperature	°C						
Baro. Press.	mmHg						

TURBIDITY METER

METER TYPE
MODEL NO.
UNIT ID NO.

	Units	Standard Value	Meter Value	Standard Value	Meter Value	*Acceptance Criteria (PM)
<0.1 Standard	NTU	<0.1		<0.1		+/- 0.3 NTU of stan.
20 Standard	NTU	20		20		+/- 5% of standard
100 Standard	NTU	100		100		+/- 5% of standard
800 Standard	NTU	800		800		+/- 5% of standard

Bike from Pine Env.

PHOTOIONIZATION DETECTOR

METER TYPE RAE 2000/3000
MODEL NO. 2000/3000
UNIT ID NO. 11482 / 572-906336

	Units	Standard Value	Meter Value	Standard Value	Meter Value	*Acceptance Criteria (PM)
Background	ppmv	<0.1	2000: 0.0 / 3000: <0.1	<0.1	2000: 0.2 / 3000: 0.1	within 5 ppmv of BG
Span Gas	ppmv	100	99.8 / 98.3	100	103 / 149	+/- 10% of standard

O_2-LEL 4 GAS METER

METER TYPE
MODEL NO.
UNIT ID NO.

		Standard Value	Meter Value	Standard Value	Meter Value	*Acceptance Criteria (PM)
Methane	%	50		50		+/- 10% of standard
O_2	%	20.9		20.9		+/- 10% of standard
H_2S	ppmv	25		25		+/- 10% of standard
CO	ppmv	50		50		+/- 10% of standard

OTHER METER

METER TYPE
MODEL NO.
UNIT ID NO.

See Notes Below for Additional Information

☐ Equipment calibrated within the Acceptance Criteria specified for each of the parameters listed above.
☐ Equipment (not) calibrated within the Acceptance Criteria specified for each of the parameters listed above**.

MATERIALS RECORD

Deionized Water Source: Portland FOS
Lot#/Date Produced:
Trip Blank Source:
Sample Preservatives Source:
Disposable Filter Type: 0.45µm cellulose
Calibration Fluids / Standard Source:
- DO Calibration Fluid (<0.1 mg/L) Portland FOS
- Other
- Other
- Other

	Cal. Standard Lot Number	Exp. Date
pH (4)		
pH (7)		
pH (10)		
ORP		
Conductivity		
<0.1 Turb. Stan.		
20 Turb. Stan.		
100 Turb. Stan.		
800 Turb. Stan.		
2000 PID Span Gas	BAO-248-100-1	1-8-2018
~~O2/LEL Span Gas~~		
3000 Span ~~Other~~	BAO-248-100-4	3-19-18

NOTES:

* = Unless otherwise noted, calibration procedures and acceptance criteria are in general accordance with USEPA Region 1 SOPs for Field Instrument Calibration (EQASOP-FieldCalibrat) and Low Stress Purging and Sampling (EQASOP-GW001), each dated 1/19/2010. Additonal acceptance criteria obtained from instrument specific manufacturer recommendations.
** = If meter reading is not within acceptance criteria, clean/replace probe and re-calibrate, or use calibrated back-up meter if available. If project requirements necessitate use of the instrument, clearly document any deviations from acceptance criteria on all data sheets and log book entries.
1 = DO Saturated standard value is calculated based on Oxygen Solubility at Indicated Pressure Chart from the USEPA Region 1 SOP for Field Instrument Calibration (EQASOP-FieldCalibrat), dated 1/19/2010.

MACTEC
511 Congress Street, Portland Maine 04101

FIGURE 6.1
FIELD INSTRUMENT CALIBRATION RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

FIELD INSTRUMENTATION CALIBRATION RECORD

PROJECT NAME: INDUSTRIAL OVERALL UNIFORM CORPORATION
PROJECT NUMBER: 3612112221.05.01
PROJECT LOCATION: NEW ROCHELLE, NEW YORK
WEATHER CONDITIONS (AM): Overcast, MISTY, FOGGY 65°
WEATHER CONDITIONS (PM): 77°F Cloudy

TASK NO: 0.01 DATE: 6-10-14
MACTEC CREW:
SAMPLER NAME: Thomas Bradley
SAMPLER SIGNATURE:
CHECKED BY: C. Stryker DATE: 7-11-14

MULTI-PARAMETER WATER QUALITY METER

METER TYPE
MODEL NO.
UNIT ID NO.

AM CALIBRATION Start Time 0830 /End Time 0835

POST CALIBRATION CHECK Start Time ~~1730~~ /End Time ~~1730~~ 1730 (RJ)

	Units	Standard Value	Meter Value	*Acceptance Criteria (AM)	Standard Value	Meter Value	*Acceptance Criteria (PM)
pH (4)	SU	4.0		+/- 0.1 pH Units			
pH (7)	SU	7.0		+/- 0.1 pH Units	7.0		+/- 0.3 pH Units
pH (10)	SU	10.0		+/- 0.1 pH Units			
Redox	+/- mV	240		+/- 10 mV	240		+/- 10 mV
Conductivity	mS/cm	1.413		+/- 0.5 % of standard	1.413		+/- 5% of standard
DO (saturated)	%	100		+/- 2% of standard			
DO (saturated)	mg/L[1] (see Chart 1)			+/- 0.2 mg/L			+/- 0.5 mg/L of standard
DO (<0.1)	mg/L	<0.1		< 0.5 mg/L			
Temperature	°C						
Baro. Press.	mmHg						

TURBIDITY METER

METER TYPE RAE (TDL)
MODEL NO. 2000
UNIT ID NO. 11982
FROM PINE ENV. Rental

	Units	Standard Value	Meter Value	Standard Value	Meter Value	*Acceptance Criteria (PM)
<0.1 Standard	NTU	<0.1		<0.1		+/- 0.3 NTU of stan.
20 Standard	NTU	20		20		+/- 5% of standard
100 Standard	NTU	100		100		+/- 5% of standard
800 Standard	NTU	800		800		+/- 5% of standard

PHOTOIONIZATION DETECTOR

METER TYPE RAE
MODEL NO. 2000
UNIT ID NO. 11982

	Units	Standard Value	Meter Value	Standard Value	Meter Value	*Acceptance Criteria (PM)
Background	ppmv	<0.1	0.0	<0.1	0.0	within 5 ppmv of BG
Span Gas	ppmv	100	100/102	100	88.9	+/- 10% of standard

O_2-LEL 4 GAS METER

METER TYPE
MODEL NO.
UNIT ID NO.

	Units	Standard Value	Meter Value	Standard Value	Meter Value	*Acceptance Criteria (PM)
Methane	%	50		50		+/- 10% of standard
O_2	%	20.9		20.9		+/- 10% of standard
H_2S	ppmv	25		25		+/- 10% of standard
CO	ppmv	50		50		+/- 10% of standard

OTHER METER

METER TYPE
MODEL NO.
UNIT ID NO.

See Notes Below for Additional Information

☐ Equipment calibrated within the Acceptance Criteria specified for each of the parameters listed above.
☐ Equipment (not) calibrated within the Acceptance Criteria specified for each of the parameters listed above**.

MATERIALS RECORD

Deionized Water Source: Portland FOS
Lot#/Date Produced:
Trip Blank Source:
Sample Preservatives Source:
Disposable Filter Type: 0.45µm cellulose
Calibration Fluids / Standard Source:
- DO Calibration Fluid (<0.1 mg/L) Portland FOS
- Other
- Other
- Other

	Cal. Standard Lot Number	Exp. Date
pH (4)		
pH (7)		
pH (10)		
ORP		
Conductivity		
<0.1 Turb. Stan.		
20 Turb. Stan.		
100 Turb. Stan.		
800 Turb. Stan.		
PID Span Gas	BAO-248-100-1	1-8-2018
O_2-LEL Span Gas		
Other		

NOTES:

* = Unless otherwise noted, calibration procedures and acceptance criteria are in general accordance with USEPA Region 1 SOPs for Field Instrument Calibration (EQASOP-FieldCalibrat) and Low Stress Purging and Sampling (EQASOP-GW001), each dated 1/19/2010. Additonal acceptance criteria obtained from instrument specific manufacturer recommendations.
** = If meter reading is not within acceptance criteria, clean/replace probe and re-calibrate, or use calibrated back-up meter if available. If project requirements necessitate use of the instrument, clearly document any deviations from acceptance criteria on all data sheets and log book entries.
1 = DO Saturated standard value is calculated based on Oxygen Solubility at Indicated Pressure Chart from the USEPA Region 1 SOP for Field Instrument Calibration (EQASOP-FieldCalibrat), dated 1/19/2010.

MACTEC
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FIGURE 6.1
FIELD INSTRUMENT CALIBRATION RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

FIELD INSTRUMENTATION CALIBRATION RECORD

PROJECT NAME: INDUSTRIAL OVERALL UNIFORM CORPORATION
PROJECT NUMBER: 3612112221.05.01
PROJECT LOCATION: NEW ROCHELLE, NEW YORK
WEATHER CONDITIONS (AM): Cloudy, Breezy, Showers
WEATHER CONDITIONS (PM): 67°F showers

TASK NO: 0.01 DATE: 6-11-14
MACTEC CREW:
SAMPLER NAME: Thomas Lapley
SAMPLER SIGNATURE: Thomas L. Lapley
CHECKED BY: C. Stapler DATE: 7-11-14

MULTI-PARAMETER WATER QUALITY METER

METER TYPE
MODEL NO.
UNIT ID NO.

AM CALIBRATION Start Time 07:15 /End Time 07:20

POST CALIBRATION CHECK Start Time 15:14 /End Time 15:16

	Units	Standard Value	Meter Value	*Acceptance Criteria (AM)	Standard Value	Meter Value	*Acceptance Criteria (PM)
pH (4)	SU	4.0		+/- 0.1 pH Units			
pH (7)	SU	7.0		+/- 0.1 pH Units	7.0		+/- 0.3 pH Units
pH (10)	SU	10.0		+/- 0.1 pH Units			
Redox	+/- mV	240		+/- 10 mV	240		+/- 10 mV
Conductivity	mS/cm	1.413		+/- 0.5 % of standard	1.413		+/- 5% of standard
DO (saturated)	%	100		+/- 2% of standard			
DO (saturated)	mg/L[1] (see Chart 1)			+/- 0.2 mg/L			+/- 0.5 mg/L of standard
DO (<0.1)	mg/L	<0.1		< 0.5 mg/L			
Temperature	°C						
Baro. Press.	mmHg						

TURBIDITY METER

METER TYPE
MODEL NO.
UNIT ID NO.

	Units	Standard Value	Meter Value	Standard Value	Meter Value	*Acceptance Criteria (PM)
<0.1 Standard	NTU	<0.1		<0.1		+/- 0.3 NTU of stan.
20 Standard	NTU	20		20		+/- 5% of standard
100 Standard	NTU	100		100		+/- 5% of standard
800 Standard	NTU	800		800		+/- 5% of standard

PHOTOIONIZATION DETECTOR

METER TYPE RAE
MODEL NO. 2000 / 3000
UNIT ID NO. 11982 / 018127

		Units	Standard Value	Meter Value	Standard Value	Meter Value	*Acceptance Criteria (PM)
Background	ppmv	<0.1	2000 3000 0.0 / 99.6		<0.1	* 2000 0.0	within 5 ppmv of BG
Span Gas	ppmv	100	99.6 / 99.8		100	101	+/- 10% of standard

O_2-LEL 4 GAS METER

METER TYPE
MODEL NO.
UNIT ID NO.

	Units	Standard Value	Meter Value	Standard Value	Meter Value	*Acceptance Criteria (PM)
Methane	%	50		50		+/- 10% of standard
O_2	%	20.9		20.9		+/- 10% of standard
H_2S	ppmv	25		25		+/- 10% of standard
CO	ppmv	50		50		+/- 10% of standard

OTHER METER

METER TYPE
MODEL NO.
UNIT ID NO.

See Notes Below for Additional Information

☐ Equipment calibrated within the Acceptance Criteria specified for each of the parameters listed above.
☐ Equipment (not) calibrated within the Acceptance Criteria specified for each of the parameters listed above**.

MATERIALS RECORD

Deionized Water Source: Portland FOS
Lot#/Date Produced:
Trip Blank Source:
Sample Preservatives Source:
Disposable Filter Type: 0.45µm cellulose
Calibration Fluids / Standard Source:
- DO Calibration Fluid (<0.1 mg/L) Portland FOS
- Other
- Other
- Other

	Cal. Standard Lot Number	Exp. Date
pH (4)		
pH (7)		
pH (10)		
ORP		
Conductivity		
<0.1 Turb. Stan.		
20 Turb. Stan.		
100 Turb. Stan.		
800 Turb. Stan.		
2000 PID Span Gas	BAO-248-100-1	1-8-2018
O_2-LEL Span Gas		
~~Other~~ Sparger 3000	DAO-248-100-4	3-19-2018

NOTES:

* only used the 2000 unit today

* = Unless otherwise noted, calibration procedures and acceptance criteria are in general accordance with USEPA Region 1 SOPs for Field Instrument Calibration (EQASOP-FieldCalibrat) and Low Stress Purging and Sampling (EQASOP-GW001), each dated 1/19/2010. Additonal acceptance criteria obtained from instrument specific manufacturer recommendations.
** = If meter reading is not within acceptance criteria, clean/replace probe and re-calibrate, or use calibrated back-up meter if available. If project requirements necessitate use of the instrument, clearly document any deviations from acceptance criteria on all data sheets and log book entries.
1 = DO Saturated standard value is calculated based on Oxygen Solubility at Indicated Pressure Chart from the USEPA Region 1 SOP for Field Instrument Calibration (EQASOP-FieldCalibrat), dated 1/19/2010.

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FIGURE 6.1
FIELD INSTRUMENT CALIBRATION RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

FIELD INSTRUMENTATION CALIBRATION RECORD

PROJECT NAME: INDUSTRIAL OVERALL UNIFORM CORPORATION
PROJECT NUMBER: 3612112221.05.01
PROJECT LOCATION: NEW ROCHELLE, NEW YORK
WEATHER CONDITIONS (AM): 65°F, cloudy - shower
WEATHER CONDITIONS (PM): 65°F, Cloudy - shower

TASK NO: 0.01 DATE: 6-12-14
MACTEC CREW:
SAMPLER NAME: Thomas D. Loyley
SAMPLER SIGNATURE: Thomas D. Loyley
CHECKED BY: C. Stapler DATE: 7-11-14

MULTI-PARAMETER WATER QUALITY METER

METER TYPE
MODEL NO.
UNIT ID NO.

AM CALIBRATION Start Time 07:30 /End Time 07:35

POST CALIBRATION CHECK Start Time 16:03 /End Time 16:05

	Units	Standard Value	Meter Value	*Acceptance Criteria (AM)	Standard Value	Meter Value	*Acceptance Criteria (PM)
pH (4)	SU	4.0		+/- 0.1 pH Units			
pH (7)	SU	7.0		+/- 0.1 pH Units	7.0		+/- 0.3 pH Units
pH (10)	SU	10.0		+/- 0.1 pH Units			
Redox	+/- mV	240		+/- 10 mV	240		+/- 10 mV
Conductivity	mS/cm	1.413		+/- 0.5 % of standard	1.413		+/- 5% of standard
DO (saturated)	%	100		+/- 2% of standard			
DO (saturated)	mg/L	1 (see Chart 1)		+/- 0.2 mg/L			+/- 0.5 mg/L of standard
DO (<0.1)	mg/L	<0.1		< 0.5 mg/L			
Temperature	°C						
Baro. Press.	mmHg						

TURBIDITY METER

METER TYPE
MODEL NO.
UNIT ID NO.

	Units	Standard Value	Meter Value	Standard Value	Meter Value	*Acceptance Criteria (PM)
<0.1 Standard	NTU	<0.1		<0.1		+/- 0.3 NTU of stan.
20 Standard	NTU	20		20		+/- 5% of standard
100 Standard	NTU	100		100		+/- 5% of standard
800 Standard	NTU	800		800		+/- 5% of standard

PHOTOIONIZATION DETECTOR

From PINE EnV

METER TYPE 2000 RAE
MODEL NO. RAE 2000
UNIT ID NO. 11982

	Units	Standard Value	Meter Value	Standard Value	Meter Value	*Acceptance Criteria (PM)
Background	ppmv	<0.1	0.0	<0.1	0.4	within 5 ppmv of BG
Span Gas	ppmv	100	100	100	99.1	+/- 10% of standard

O_2-LEL 4 GAS METER

METER TYPE
MODEL NO.
UNIT ID NO.

	Units	Standard Value	Meter Value	Standard Value	Meter Value	*Acceptance Criteria (PM)
Methane	%	50		50		+/- 10% of standard
O_2	%	20.9		20.9		+/- 10% of standard
H_2S	ppmv	25		25		+/- 10% of standard
CO	ppmv	50		50		+/- 10% of standard

OTHER METER

METER TYPE
MODEL NO.
UNIT ID NO.

See Notes Below for Additional Information

☐ Equipment calibrated within the Acceptance Criteria specified for each of the parameters listed above.
☐ Equipment (not) calibrated within the Acceptance Criteria specified for each of the parameters listed above**.

MATERIALS RECORD

Deionized Water Source: Portland FOS
Lot#/Date Produced:
Trip Blank Source:
Sample Preservatives Source:
Disposable Filter Type: 0.45µm cellulose
Calibration Fluids / Standard Source:
- DO Calibration Fluid (<0.1 mg/L) Portland FOS
- Other
- Other
- Other

	Cal. Standard Lot Number	Exp. Date
pH (4)		
pH (7)		
pH (10)		
ORP		
Conductivity		
<0.1 Turb. Stan.		
20 Turb. Stan.		
100 Turb. Stan.		
800 Turb. Stan.		
PID Span Gas	BAO-248-100-1	1-8-2018
O_2-LEL Span Gas		
Other		

NOTES:

* = Unless otherwise noted, calibration procedures and acceptance criteria are in general accordance with USEPA Region 1 SOPs for Field Instrument Calibration (EQASOP-FieldCalibrat) and Low Stress Purging and Sampling (EQASOP-GW001), each dated 1/19/2010. Additonal acceptance criteria obtained from instrument specific manufacturer recommendations.
** = If meter reading is not within acceptance criteria, clean/replace probe and re-calibrate, or use calibrated back-up meter if available. If project requirements necessitate use of the instrument, clearly document any deviations from acceptance criteria on all data sheets and log book entries.
1 = DO Saturated standard value is calculated based on Oxygen Solubility at Indicated Pressure Chart from the USEPA Region 1 SOP for Field Instrument Calibration (EQASOP-FieldCalibrat), dated 1/19/2010.

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FIGURE 6.1
FIELD INSTRUMENT CALIBRATION RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

FIELD INSTRUMENTATION CALIBRATION RECORD

PROJECT NAME: **INDUSTRIAL OVERALL UNIFORM CORPORATION**
PROJECT NUMBER: **3612112221.05.01**
PROJECT LOCATION: **NEW ROCHELLE, NEW YORK**
WEATHER CONDITIONS (AM): Still, Warm, Hazy, Humid, 72°F
WEATHER CONDITIONS (PM):

TASK NO: 0.01 DATE: 6-17-14
MACTEC CREW:
SAMPLER NAME: Thomas P. Lowry
SAMPLER SIGNATURE: Thomas P. Lowry
CHECKED BY: C. Stapler DATE: 7-11-14

MULTI-PARAMETER WATER QUALITY METER

METER TYPE
MODEL NO.
UNIT ID NO.

AM CALIBRATION Start Time 0645 /End Time

POST CALIBRATION CHECK Start Time /End Time

	Units	Standard Value	Meter Value	*Acceptance Criteria (AM)	Standard Value	Meter Value	*Acceptance Criteria (PM)
pH (4)	SU	4.0		+/- 0.1 pH Units			
pH (7)	SU	7.0		+/- 0.1 pH Units	7.0		+/- 0.3 pH Units
pH (10)	SU	10.0		+/- 0.1 pH Units			
Redox	+/- mV	240		+/- 10 mV	240		+/- 10 mV
Conductivity	mS/cm	1.413		+/- 0.5 % of standard	1.413		+/- 5% of standard
DO (saturated)	%	100		+/- 2% of standard			
DO (saturated)	mg/L[1] (see Chart 1)			+/- 0.2 mg/L			+/- 0.5 mg/L of standard
DO (<0.1)	mg/L	<0.1		< 0.5 mg/L			
Temperature	°C						
Baro. Press.	mmHg						

TURBIDITY METER

METER TYPE
MODEL NO.
UNIT ID NO.

	Units	Standard Value	Meter Value	Standard Value	Meter Value	*Acceptance Criteria (PM)
<0.1 Standard	NTU	<0.1		<0.1		+/- 0.3 NTU of stan.
20 Standard	NTU	20		20		+/- 5% of standard
100 Standard	NTU	100		100		+/- 5% of standard
800 Standard	NTU	800		800		+/- 5% of standard

PHOTOIONIZATION DETECTOR

From PINE ENV

METER TYPE RAE
MODEL NO. 2000
UNIT ID NO. 11982

	Units	Standard Value	Meter Value	Standard Value	Meter Value	*Acceptance Criteria (PM)
Background	ppmv	<0.1	0.0	<0.1	NA	within 5 ppmv of BG
Span Gas	ppmv	100	100	100	NA	+/- 10% of standard

O_2-LEL 4 GAS METER

METER TYPE
MODEL NO.
UNIT ID NO.

	Units	Standard Value	Meter Value	Standard Value	Meter Value	*Acceptance Criteria (PM)
Methane	%	50		50		+/- 10% of standard
O_2	%	20.9		20.9		+/- 10% of standard
H_2S	ppmv	25		25		+/- 10% of standard
CO	ppmv	50		50		+/- 10% of standard

OTHER METER

METER TYPE
MODEL NO.
UNIT ID NO.

See Notes Below for Additional Information

☐ Equipment calibrated within the Acceptance Criteria specified for each of the parameters listed above.
☐ Equipment (not) calibrated within the Acceptance Criteria specified for each of the parameters listed above**.

MATERIALS RECORD

Deionized Water Source: Portland FOS
Lot#/Date Produced:
Trip Blank Source:
Sample Preservatives Source:
Disposable Filter Type: 0.45µm cellulose
Calibration Fluids / Standard Source:
- DO Calibration Fluid (<0.1 mg/L) Portland FOS
- Other
- Other
- Other

	Cal. Standard Lot Number	Exp. Date
pH (4)		
pH (7)		
pH (10)		
ORP		
Conductivity		
<0.1 Turb. Stan.		
20 Turb. Stan.		
100 Turb. Stan.		
800 Turb. Stan.		
PID Span Gas	BAO-248-100-1	1-08-398
O_2-LEL Span Gas		
Other		

NOTES:

* = Unless otherwise noted, calibration procedures and acceptance criteria are in general accordance with USEPA Region 1 SOPs for Field Instrument Calibration (EQASOP-FieldCalibrat) and Low Stress Purging and Sampling (EQASOP-GW001), each dated 1/19/2010. Additonal acceptance criteria obtained from instrument specific manufacturer recommendations.
** = If meter reading is not within acceptance criteria, clean/replace probe and re-calibrate, or use calibrated back-up meter if available. If project requirements necessitate use of the instrument, clearly document any deviations from acceptance criteria on all data sheets and log book entries.
1 = DO Saturated standard value is calculated based on Oxygen Solubility at Indicated Pressure Chart from the USEPA Region 1 SOP for Field Instrument Calibration (EQASOP-FieldCalibrat), dated 1/19/2010.

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FIGURE 6.1
FIELD INSTRUMENT CALIBRATION RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

June 3, 2014 Down Wind Dust Monitor - Unit 2618
Industrial Overall Services Soil Removal IRM

"Model Number"	"DataRAM 4 "	106		
"Serial no. "	"D057 "			
"Device no. "	1			
"Tag Number "	1			
"Start Time "	07:51:55			
"Start Date "	03-Jun-2014			
"Log Period "	00:05:00			
"Number "	86			
"CalFactor "	1			
"Unit "	0			
"Unit Name "	"(MASS)ug/m3"			
"SIZE_CORRECT"	"DISABLED"			
"TEMPUNITS "	F			
"Max MASS "	74.17436			
"Max MASS @ "	71	13:46:55	3-Jun-14	
"Avg MASS "	31.70803			
"Max Diam "	0.900549			
"Max Diam @ "	24	9:51:55	3-Jun-14	
"Avg Diam "	0.492539			
"ALARM "	"DISABLED"			
"ALARM_LEVEL "	0			
"AUTO_ZERO "	"DISABLED"			
"AZ INTERVAL "	1			
"Errors "	0			

record	(MASS)ug/m3	Temp	RHumidity	Diameter	Time	Date
1	22.6	74.1	54	0.5685	7:56:55	3-Jun-14
2	21.6	74.3	56	0.4964	8:01:55	3-Jun-14
3	20.8	74.4	56	0.4887	8:06:55	3-Jun-14
4	22.2	74.6	57	0.455	8:11:55	3-Jun-14
5	24.5	74.7	57	0.614	8:16:55	3-Jun-14
6	20.3	75	58	0.4444	8:21:55	3-Jun-14
7	19.3	75.2	58	0.4271	8:26:55	3-Jun-14
8	25.1	75.4	58	0.5567	8:31:55	3-Jun-14
9	21.5	75.6	58	0.4577	8:36:55	3-Jun-14
10	21.9	75.9	58	0.4636	8:41:55	3-Jun-14
11	21.5	76.2	58	0.443	8:46:55	3-Jun-14
12	21	76.4	58	0.4546	8:51:55	3-Jun-14
13	33.4	76.6	58	0.6472	8:56:55	3-Jun-14
14	23.7	76.9	58	0.5026	9:01:55	3-Jun-14
15	27.3	77.2	58	0.5471	9:06:55	3-Jun-14
16	25.8	77.5	58	0.5429	9:11:55	3-Jun-14
17	22.8	77.8	58	0.4581	9:16:55	3-Jun-14
18	26.2	78.2	57	0.4355	9:21:55	3-Jun-14
19	30.2	78.6	57	0.5637	9:26:55	3-Jun-14
20	45.8	79.1	57	0.8038	9:31:55	3-Jun-14
21	26.5	79.7	57	0.544	9:36:55	3-Jun-14
22	22.3	80.4	57	0.4582	9:41:55	3-Jun-14
23	36.9	81.2	56	0.5233	9:46:55	3-Jun-14
24	39.9	82	55	0.9005	9:51:55	3-Jun-14
25	24.3	82.8	54	0.4687	9:56:55	3-Jun-14
26	21.7	83.7	53	0.4212	10:01:55	3-Jun-14

27	22.5	84.6	52	0.4165	10:06:55	3-Jun-14
28	27.3	85.4	51	0.442	10:11:55	3-Jun-14
29	28.9	86	50	0.4572	10:16:55	3-Jun-14
30	24.9	86.6	49	0.4279	10:21:55	3-Jun-14
31	26.2	87.2	48	0.4372	10:26:55	3-Jun-14
32	26.1	87.7	47	0.466	10:31:55	3-Jun-14
33	26.2	88.1	47	0.4838	10:36:55	3-Jun-14
34	27.1	88.6	46	0.4911	10:41:55	3-Jun-14
35	26.7	89.1	45	0.5045	10:46:55	3-Jun-14
36	25.8	89.7	45	0.4439	10:51:55	3-Jun-14
37	26.3	90.1	44	0.4553	10:56:55	3-Jun-14
38	32.4	90.6	44	0.4643	11:01:55	3-Jun-14
39	39.3	91.1	43	0.5377	11:06:55	3-Jun-14
40	28.7	91.5	43	0.466	11:11:55	3-Jun-14
41	37.3	92	43	0.5183	11:16:55	3-Jun-14
42	28.8	92.5	42	0.4669	11:21:55	3-Jun-14
43	34.1	93.1	42	0.4878	11:26:55	3-Jun-14
44	28	93.6	41	0.4351	11:31:55	3-Jun-14
45	46	94.1	41	0.597	11:36:55	3-Jun-14
46	38.2	94.7	41	0.4862	11:41:55	3-Jun-14
47	34.1	95.3	40	0.5035	11:46:55	3-Jun-14
48	29.5	95.8	40	0.4724	11:51:55	3-Jun-14
49	27.3	96.2	39	0.4356	11:56:55	3-Jun-14
50	26	96.5	39	0.409	12:01:55	3-Jun-14
51	25.5	96.9	39	0.3951	12:06:55	3-Jun-14
52	27.9	97.3	38	0.4611	12:11:55	3-Jun-14
53	25.3	97.7	38	0.3885	12:16:55	3-Jun-14
54	26.1	97.8	37	0.4143	12:21:55	3-Jun-14
55	28	97.7	37	0.4172	12:26:55	3-Jun-14
56	27.7	97.4	37	0.4168	12:31:55	3-Jun-14
57	27.8	97.8	37	0.4301	12:36:55	3-Jun-14
58	55.9	98.7	37	0.6915	12:41:55	3-Jun-14
59	65.4	99.3	37	0.8814	12:46:55	3-Jun-14
60	43.4	99.6	36	0.535	12:51:55	3-Jun-14
61	52.4	99.6	35	0.6074	12:56:55	3-Jun-14
62	60.9	99.5	35	0.6564	13:01:55	3-Jun-14
63	41	99.3	35	0.4831	13:06:55	3-Jun-14
64	32.1	99.1	35	0.4619	13:11:55	3-Jun-14
65	53.8	98.8	35	0.5145	13:16:55	3-Jun-14
66	39.3	98.6	35	0.5209	13:21:55	3-Jun-14
67	41.4	98.5	36	0.4954	13:26:55	3-Jun-14
68	30	98.4	36	0.4256	13:31:55	3-Jun-14
69	31	98.2	37	0.3925	13:36:55	3-Jun-14
70	36.1	98	37	0.4351	13:41:55	3-Jun-14
71	74.2	97.8	37	0.84	13:46:55	3-Jun-14
72	46.3	97.5	38	0.6619	13:51:55	3-Jun-14
73	35.4	97.3	38	0.4557	13:56:55	3-Jun-14
74	42.2	97.1	37	0.5424	14:01:55	3-Jun-14
75	28	97	37	0.392	14:06:55	3-Jun-14
76	32.4	96.6	37	0.378	14:11:55	3-Jun-14
77	30.3	96.2	38	0.396	14:16:55	3-Jun-14
78	28.8	95.9	38	0.3885	14:21:55	3-Jun-14
79	26.8	95.5	38	0.3947	14:26:55	3-Jun-14
80	49.6	95.3	39	0.5927	14:31:55	3-Jun-14

81	41.2	95.1	39	0.4976	14:36:55	3-Jun-14
82	29.1	94.8	39	0.408	14:41:55	3-Jun-14
83	26.5	94.4	39	0.3706	14:46:55	3-Jun-14
84	24.1	94.1	39	0.3448	14:51:55	3-Jun-14
85	25.8	93.8	40	0.3487	14:56:55	3-Jun-14
86	28	93.5	40	0.3311	15:01:55	3-Jun-14

June 3, 2014 Up Gradient Dust Monitor - Unit R10520
Industrial Overall Services Soil Removal IRM

"Model Number"	"DataRAM 4 "	106		
"Serial no. "	"D741 "			
"Device no. "	1			
"Tag Number "	0			
"Start Time "	07:51:08			
"Start Date "	03-Jun-2014			
"Log Period "	00:05:00			
"Number "	85			
"CalFactor "	1			
"Unit "	0			
"Unit Name "	"(MASS)ug/m3"			
"SIZE_CORRECT"	"DISABLED"			
"TEMPUNITS "	F			
"Max MASS "	14.48977			
"Max MASS @ "	69	13:36:08	3-Jun-14	
"Avg MASS "	11.8073			
"Max Diam "	0.325092			
"Max Diam @ "	2	8:01:08	3-Jun-14	
"Avg Diam "	0.226161			
"ALARM "	"DISABLED"			
"ALARM_LEVEL "	0			
"AUTO_ZERO "	"DISABLED"			
"AZ INTERVAL "	1			
"Errors "	0			

record	(MASS)ug/m3	Temp	RHumidity	Diameter	Time	Date
1	11.2	72.3	49	0.2855	7:56:08	3-Jun-14
2	13.6	72.6	52	0.3251	8:01:08	3-Jun-14
3	11.4	73.1	53	0.2952	8:06:08	3-Jun-14
4	11.1	73.9	53	0.2898	8:11:08	3-Jun-14
5	10.8	74.8	52	0.274	8:16:08	3-Jun-14
6	10.4	75.9	51	0.2668	8:21:08	3-Jun-14
7	10	77	50	0.2662	8:26:08	3-Jun-14
8	10.3	78.2	49	0.2605	8:31:08	3-Jun-14
9	10.1	79.4	47	0.2353	8:36:08	3-Jun-14
10	10	80.5	46	0.2551	8:41:08	3-Jun-14
11	10.4	81.7	45	0.2411	8:46:08	3-Jun-14
12	9.6	82.9	43	0.2247	8:51:08	3-Jun-14
13	9.7	83.8	42	0.2352	8:56:08	3-Jun-14
14	9.9	84.8	41	0.2265	9:01:08	3-Jun-14
15	12.2	85.7	40	0.3006	9:06:08	3-Jun-14
16	11.8	86.6	40	0.2741	9:11:08	3-Jun-14
17	9.8	87.5	39	0.2143	9:16:08	3-Jun-14
18	9.6	88.5	38	0.214	9:21:08	3-Jun-14
19	9.6	89.5	38	0.2312	9:26:08	3-Jun-14
20	9.3	90.4	36	0.2071	9:31:08	3-Jun-14
21	9.2	91.4	36	0.2213	9:36:08	3-Jun-14
22	9.1	92.3	35	0.2218	9:41:08	3-Jun-14
23	8.9	93.1	34	0.1975	9:46:08	3-Jun-14
24	8.6	94	34	0.1841	9:51:08	3-Jun-14
25	9.3	94.7	33	0.2151	9:56:08	3-Jun-14
26	9	95.3	33	0.2043	10:01:08	3-Jun-14

27	9.7	95.8	32	0.225	10:06:08	3-Jun-14
28	10.6	96.2	31	0.2103	10:11:08	3-Jun-14
29	10.8	96.5	31	0.2123	10:16:08	3-Jun-14
30	11.1	96.7	30	0.206	10:21:08	3-Jun-14
31	11.6	96.9	30	0.2252	10:26:08	3-Jun-14
32	11.7	97	30	0.231	10:31:08	3-Jun-14
33	11	97.1	30	0.2022	10:36:08	3-Jun-14
34	12.4	97.4	31	0.2407	10:41:08	3-Jun-14
35	11.5	97.9	30	0.2112	10:46:08	3-Jun-14
36	11.9	98.1	30	0.2283	10:51:08	3-Jun-14
37	12.1	98.4	30	0.2398	10:56:08	3-Jun-14
38	12.3	98.7	30	0.2171	11:01:08	3-Jun-14
39	12	98.8	29	0.2133	11:06:08	3-Jun-14
40	11.8	99	30	0.2157	11:11:08	3-Jun-14
41	11.6	99.4	30	0.2058	11:16:08	3-Jun-14
42	12.1	99.9	29	0.2292	11:21:08	3-Jun-14
43	13	100.4	29	0.2301	11:26:08	3-Jun-14
44	11.8	100.6	28	0.2086	11:31:08	3-Jun-14
45	12.5	100.7	28	0.2135	11:36:08	3-Jun-14
46	12.9	100.6	28	0.2088	11:41:08	3-Jun-14
47	13.1	100.3	28	0.2345	11:46:08	3-Jun-14
48	12.5	99.9	28	0.2146	11:51:08	3-Jun-14
49	13.1	99.8	29	0.2443	11:56:08	3-Jun-14
50	12.9	99.7	29	0.221	12:01:08	3-Jun-14
51	12.9	99.6	29	0.2228	12:06:08	3-Jun-14
52	13	99.6	30	0.2225	12:11:08	3-Jun-14
53	12.6	99.7	30	0.2247	12:16:08	3-Jun-14
54	12.6	99.8	29	0.2172	12:21:08	3-Jun-14
55	13.4	99.6	29	0.2208	12:26:08	3-Jun-14
56	13.5	99.3	29	0.2225	12:31:08	3-Jun-14
57	12.7	99.1	30	0.2235	12:36:08	3-Jun-14
58	12.7	99.2	31	0.2213	12:41:08	3-Jun-14
59	12	99.4	31	0.2072	12:46:08	3-Jun-14
60	13	99.7	31	0.2242	12:51:08	3-Jun-14
61	12	100.1	30	0.234	12:56:08	3-Jun-14
62	11.4	100.4	30	0.2066	13:01:08	3-Jun-14
63	11.8	100.7	30	0.2183	13:06:08	3-Jun-14
64	12.9	100.9	29	0.2312	13:11:08	3-Jun-14
65	12.8	101.1	29	0.2371	13:16:08	3-Jun-14
66	12.9	101.2	29	0.2275	13:21:08	3-Jun-14
67	12.8	101.3	29	0.2055	13:26:08	3-Jun-14
68	14.4	101.2	29	0.244	13:31:08	3-Jun-14
69	14.5	101	29	0.2321	13:36:08	3-Jun-14
70	13.5	100.6	29	0.1979	13:41:08	3-Jun-14
71	12.7	99.9	29	0.1864	13:46:08	3-Jun-14
72	13.4	99.3	30	0.2127	13:51:08	3-Jun-14
73	13.8	98.7	30	0.2235	13:56:08	3-Jun-14
74	13.9	98.2	30	0.2303	14:01:08	3-Jun-14
75	13.8	97.9	30	0.2118	14:06:08	3-Jun-14
76	13.8	97.4	30	0.206	14:11:08	3-Jun-14
77	13.9	97.1	31	0.2249	14:16:08	3-Jun-14
78	13.9	96.8	31	0.2034	14:21:08	3-Jun-14
79	13.4	96.5	32	0.2104	14:26:08	3-Jun-14
80	12.4	96.4	32	0.2044	14:31:08	3-Jun-14

81	12.4	96.4	33	0.1958	14:36:08	3-Jun-14
82	12.6	96.5	32	0.2074	14:41:08	3-Jun-14
83	12.2	96.6	33	0.2079	14:46:08	3-Jun-14
84	11.9	96.7	33	0.1997	14:51:08	3-Jun-14
85	11.5	96.9	33	0.203	14:56:08	3-Jun-14

June 4, 2014 Down Wind Dust Monitor - Unit 2618
Industrial Overall Services Soil Removal IRM

"Model Number"	"DataRAM 4 "	106		
"Serial no. "	"D057 "			
"Device no. "	1			
"Tag Number "	2			
"Start Time "	08:05:05			
"Start Date "	04-Jun-2014			
"Log Period "	00:05:00			
"Number "	82			
"CalFactor "	1			
"Unit "	0			
"Unit Name "	"(MASS)ug/m3"			
"SIZE_CORRECT"	"DISABLED"			
"TEMPUNITS "	F			
"Max MASS "	50.50872			
"Max MASS @ "	1	8:10:05	4-Jun-14	
"Avg MASS "	27.3393			
"Max Diam "	1.035626			
"Max Diam @ "	59	13:00:05	4-Jun-14	
"Avg Diam "	0.486207			
"ALARM "	"DISABLED"			
"ALARM_LEVEL "	0			
"AUTO_ZERO "	"DISABLED"			
"AZ INTERVAL "	1			
"Errors "	0			

record	(MASS)ug/m3	Temp	RHumidity	Diameter	Time	Date
1	50.5	74.1	47	0.6975	8:10:05	4-Jun-14
2	33	74	54	0.5368	8:15:05	4-Jun-14
3	34.2	73.9	57	0.5244	8:20:05	4-Jun-14
4	33.7	73.8	58	0.5123	8:25:05	4-Jun-14
5	30.7	73.7	60	0.4932	8:30:05	4-Jun-14
6	28.5	73.6	61	0.4602	8:35:05	4-Jun-14
7	30.4	73.6	62	0.4988	8:40:05	4-Jun-14
8	29.6	73.6	62	0.4706	8:45:05	4-Jun-14
9	28.2	73.6	63	0.4578	8:50:05	4-Jun-14
10	28.8	73.7	64	0.4336	8:55:05	4-Jun-14
11	29.6	73.8	64	0.4236	9:00:05	4-Jun-14
12	28.9	73.9	64	0.4412	9:05:05	4-Jun-14
13	30.2	74.2	64	0.4485	9:10:05	4-Jun-14
14	30.4	74.6	64	0.4596	9:15:05	4-Jun-14
15	29.9	74.9	64	0.4445	9:20:05	4-Jun-14
16	28	75.3	63	0.4448	9:25:05	4-Jun-14
17	28.4	75.9	63	0.4704	9:30:05	4-Jun-14
18	27.8	76.5	63	0.4427	9:35:05	4-Jun-14
19	28.7	77.2	62	0.4628	9:40:05	4-Jun-14
20	26.7	77.8	61	0.452	9:45:05	4-Jun-14
21	28.4	78.4	60	0.4954	9:50:05	4-Jun-14
22	28.4	78.9	60	0.4939	9:55:05	4-Jun-14
23	34.6	79.3	59	0.5819	10:00:05	4-Jun-14
24	30.5	79.9	59	0.5665	10:05:05	4-Jun-14
25	30.4	80.5	58	0.4981	10:10:05	4-Jun-14
26	30.7	80.8	57	0.53	10:15:05	4-Jun-14

27	33	81.2	56	0.5583	10:20:05	4-Jun-14
28	29.6	81.5	56	0.5209	10:25:05	4-Jun-14
29	38	81.9	56	0.5925	10:30:05	4-Jun-14
30	39.5	82.3	55	0.6803	10:35:05	4-Jun-14
31	36	82.6	55	0.6248	10:40:05	4-Jun-14
32	29.6	83	54	0.5306	10:45:05	4-Jun-14
33	26.5	83.5	54	0.4733	10:50:05	4-Jun-14
34	27	84.2	53	0.4981	10:55:05	4-Jun-14
35	27	84.9	52	0.4929	11:00:05	4-Jun-14
36	26.7	85.5	52	0.477	11:05:05	4-Jun-14
37	25.3	86.3	51	0.4506	11:10:05	4-Jun-14
38	26	86.9	50	0.444	11:15:05	4-Jun-14
39	26.5	87.3	50	0.4479	11:20:05	4-Jun-14
40	25.7	87.9	49	0.4608	11:25:05	4-Jun-14
41	24.7	88.5	48	0.4602	11:30:05	4-Jun-14
42	24.3	89.1	48	0.4335	11:35:05	4-Jun-14
43	24.9	89.7	47	0.4554	11:40:05	4-Jun-14
44	25.1	90.1	46	0.4788	11:45:05	4-Jun-14
45	25	90.1	46	0.4735	11:50:05	4-Jun-14
46	25.5	89.9	45	0.4543	11:55:05	4-Jun-14
47	24.6	89.7	45	0.4405	12:00:05	4-Jun-14
48	25.5	89.4	45	0.4537	12:05:05	4-Jun-14
49	26.2	89.1	45	0.4551	12:10:05	4-Jun-14
50	25	88.8	46	0.4537	12:15:05	4-Jun-14
51	23.6	88.7	46	0.4215	12:20:05	4-Jun-14
52	24.9	88.6	46	0.4187	12:25:05	4-Jun-14
53	28.2	88.6	46	0.5418	12:30:05	4-Jun-14
54	26.3	88.8	46	0.4353	12:35:05	4-Jun-14
55	26	89	46	0.4807	12:40:05	4-Jun-14
56	26.1	89.3	46	0.4549	12:45:05	4-Jun-14
57	24.8	89.6	46	0.416	12:50:05	4-Jun-14
58	33.6	89.8	46	0.5742	12:55:05	4-Jun-14
59	45.5	90	45	1.0356	13:00:05	4-Jun-14
60	23.5	90.4	45	0.4212	13:05:05	4-Jun-14
61	23.7	90.7	44	0.4207	13:10:05	4-Jun-14
62	22.7	91.1	44	0.4093	13:15:05	4-Jun-14
63	22.5	91.5	43	0.4262	13:20:05	4-Jun-14
64	33.7	91.9	43	0.6146	13:25:05	4-Jun-14
65	21.4	92.4	43	0.4123	13:30:05	4-Jun-14
66	20.1	92.8	42	0.415	13:35:05	4-Jun-14
67	21.3	93.2	41	0.4082	13:40:05	4-Jun-14
68	20.8	93.4	41	0.4158	13:45:05	4-Jun-14
69	23.1	93.5	41	0.4117	13:50:05	4-Jun-14
70	37.6	93.4	41	0.9157	13:55:05	4-Jun-14
71	20.5	93.4	40	0.4296	14:00:05	4-Jun-14
72	19.5	93.3	40	0.3998	14:05:05	4-Jun-14
73	22.2	93.3	40	0.4416	14:10:05	4-Jun-14
74	22.3	93.1	40	0.4448	14:15:05	4-Jun-14
75	21	93	41	0.446	14:20:05	4-Jun-14
76	20.4	92.9	41	0.4068	14:25:05	4-Jun-14
77	20.1	92.8	41	0.4313	14:30:05	4-Jun-14
78	18.4	92.7	41	0.4417	14:35:05	4-Jun-14
79	26.8	92.5	41	0.5782	14:40:05	4-Jun-14
80	18.2	91.9	40	0.4244	14:45:05	4-Jun-14

81	18.8	91.1	41	0.42	14:50:05	4-Jun-14
82	17.9	90.3	42	0.4035	14:55:05	4-Jun-14

June 4, 2014 Upgradient Dust Monitor - Unit R10520						
Industrial Overall Services Soil Removal IRM						
"Model Number"	"DataRAM 4 "	106				
"Serial no. "	"D741 "					
"Device no. "	1					
"Tag Number "	1					
"Start Time "	08:07:09					
"Start Date "	04-Jun-2014					
"Log Period "	00:05:00					
"Number "	83					
"CalFactor "	1					
"Unit "	0					
"Unit Name "	"(MASS)ug/m3"					
"SIZE_CORRECT"	"DISABLED"					
"TEMPUNITS "	F					
"Max MASS "	26.81731					
"Max MASS @ "	1	8:12:09	4-Jun-14			
"Avg MASS "	15.47677					
"Max Diam "	0.362242					
"Max Diam @ "	3	8:22:09	4-Jun-14			
"Avg Diam "	0.285103					
"ALARM "	"DISABLED"					
"ALARM_LEVEL "	0					
"AUTO_ZERO "	"DISABLED"					
"AZ INTERVAL "	1					
"Errors "	0					
record	(MASS)ug/m3	Temp	RHumidity	Diameter	Time	Date
1	26.8	71.7	40	0.36	8:12:09	4-Jun-14
2	21.1	71.7	50	0.3508	8:17:09	4-Jun-14
3	21.7	71.6	54	0.3622	8:22:09	4-Jun-14
4	21.6	71.7	56	0.3377	8:27:09	4-Jun-14
5	19.1	72	57	0.3374	8:32:09	4-Jun-14
6	17.2	72.5	58	0.3145	8:37:09	4-Jun-14
7	17	72.9	58	0.3158	8:42:09	4-Jun-14
8	16.8	73.4	58	0.3176	8:47:09	4-Jun-14
9	16.8	74	58	0.3001	8:52:09	4-Jun-14
10	16.2	74.6	58	0.2819	8:57:09	4-Jun-14
11	16.3	75.2	57	0.2927	9:02:09	4-Jun-14
12	16.7	75.7	56	0.2942	9:07:09	4-Jun-14
13	16.1	76.3	55	0.2934	9:12:09	4-Jun-14
14	15.7	76.8	54	0.2851	9:17:09	4-Jun-14
15	16.2	77.2	53	0.2874	9:22:09	4-Jun-14
16	15.6	77.6	53	0.2783	9:27:09	4-Jun-14
17	15.2	78.1	52	0.2678	9:32:09	4-Jun-14
18	16.3	78.6	51	0.275	9:37:09	4-Jun-14
19	15.1	79	51	0.257	9:42:09	4-Jun-14
20	15.4	79.4	50	0.2875	9:47:09	4-Jun-14
21	15.9	79.7	49	0.2839	9:52:09	4-Jun-14
22	16.3	80	49	0.3002	9:57:09	4-Jun-14
23	16.9	80.3	48	0.3024	10:02:09	4-Jun-14
24	16	80.6	48	0.3013	10:07:09	4-Jun-14
25	16.4	80.8	48	0.3039	10:12:09	4-Jun-14
26	16.6	81	47	0.3032	10:17:09	4-Jun-14

27	16.8	81.1	47	0.3119	10:22:09	4-Jun-14
28	16.8	81.1	48	0.2988	10:27:09	4-Jun-14
29	16.5	81.1	47	0.2867	10:32:09	4-Jun-14
30	16.6	81.3	48	0.3096	10:37:09	4-Jun-14
31	16.4	81.6	48	0.3117	10:42:09	4-Jun-14
32	16.5	81.9	47	0.3051	10:47:09	4-Jun-14
33	16.6	82.3	47	0.3086	10:52:09	4-Jun-14
34	16.7	82.8	46	0.3181	10:57:09	4-Jun-14
35	16.6	83.3	45	0.3152	11:02:09	4-Jun-14
36	16.3	83.6	45	0.2914	11:07:09	4-Jun-14
37	16.4	83.7	45	0.296	11:12:09	4-Jun-14
38	16.4	83.8	45	0.2935	11:17:09	4-Jun-14
39	16	83.8	45	0.2932	11:22:09	4-Jun-14
40	15.9	83.9	45	0.2811	11:27:09	4-Jun-14
41	15.6	84.2	45	0.3037	11:32:09	4-Jun-14
42	16.1	84.3	45	0.2836	11:37:09	4-Jun-14
43	16	84.5	45	0.2951	11:42:09	4-Jun-14
44	15.4	84.8	45	0.2958	11:47:09	4-Jun-14
45	15.3	85.1	44	0.2882	11:52:09	4-Jun-14
46	15.2	85.3	44	0.2973	11:57:09	4-Jun-14
47	15.6	85.5	44	0.2828	12:02:09	4-Jun-14
48	15.9	85.6	43	0.2887	12:07:09	4-Jun-14
49	16.1	85.6	43	0.2875	12:12:09	4-Jun-14
50	15.3	85.5	43	0.2702	12:17:09	4-Jun-14
51	15.6	85.4	44	0.2858	12:22:09	4-Jun-14
52	15.8	85.4	45	0.2792	12:27:09	4-Jun-14
53	16.1	85.4	44	0.2913	12:32:09	4-Jun-14
54	15.3	85.5	44	0.2696	12:37:09	4-Jun-14
55	15.7	85.6	43	0.2743	12:42:09	4-Jun-14
56	15.7	85.7	43	0.2816	12:47:09	4-Jun-14
57	15.6	85.7	43	0.2812	12:52:09	4-Jun-14
58	15.8	85.6	43	0.2653	12:57:09	4-Jun-14
59	15.9	85.6	43	0.2771	13:02:09	4-Jun-14
60	14.8	85.7	43	0.2861	13:07:09	4-Jun-14
61	14.2	85.9	43	0.2543	13:12:09	4-Jun-14
62	15.5	86	44	0.2698	13:17:09	4-Jun-14
63	13.9	86.2	43	0.2663	13:22:09	4-Jun-14
64	13.7	86.4	43	0.2572	13:27:09	4-Jun-14
65	13.8	86.7	42	0.254	13:32:09	4-Jun-14
66	13.7	86.9	42	0.2614	13:37:09	4-Jun-14
67	13.7	87	42	0.2785	13:42:09	4-Jun-14
68	12.6	87	41	0.2494	13:47:09	4-Jun-14
69	13.1	87.1	41	0.2645	13:52:09	4-Jun-14
70	12.8	87.2	41	0.2429	13:57:09	4-Jun-14
71	13.3	87.3	41	0.2653	14:02:09	4-Jun-14
72	13.8	87.4	41	0.2597	14:07:09	4-Jun-14
73	14.7	87.5	41	0.2976	14:12:09	4-Jun-14
74	13.2	87.5	41	0.2637	14:17:09	4-Jun-14
75	13.1	87.7	41	0.2599	14:22:09	4-Jun-14
76	12.3	87.8	41	0.2652	14:27:09	4-Jun-14
77	11.3	88	40	0.2417	14:32:09	4-Jun-14
78	10.2	88.2	39	0.239	14:37:09	4-Jun-14
79	9.7	88.4	39	0.2277	14:42:09	4-Jun-14
80	10	88.5	39	0.2193	14:47:09	4-Jun-14

81	10.4	88.5	40	0.2292	14:52:09	4-Jun-14
82	10.4	88.6	40	0.2542	14:57:09	4-Jun-14
83	10.8	88.6	39	0.2464	15:02:09	4-Jun-14

DAILY PID MONITORING READINGS - BACKUP TO DATA LOGGER

NYSDEC INDUSTRIAL OVERALL UNIFORM CORPORATION SITE 360109-SOIL REMOVAL IRM

NEW ROCHELLE, NEW YORK

PROJECT NO. 3612112221.05.01

Down gradient location

DATE: 6-3-14

PID unit

TIME	~~WEATHER~~	READING
0938	Downwind (018127)	0.0
10:31		0.0
12:40		0.0
13:33		0.0
13:55		0.0
14:26		0.0
15:02		0.0
	~~Turned off~~	
	dismantle them	
	to a gen. check	

COMMENTS: Checked. CRJ 7-17-14

DAILY DUST MONITORING READINGS - BACKUP TO DATA LOGGER
NYSDEC INDUSTRIAL OVERALL UNIFORM CORPORATION SITE 360109-SOIL REMOVAL IRM
NEW ROCHELLE, NEW YORK

PROJECT NO. 3612112221.05.01

upgradient R 10520

DATE: 6-3-14

ug/m3 conc. | L TWA ug/m3

TIME	WEATHER	READING
0840	Sunny, Humid, Breeze (slight)	10.9
0940	—	10.4
10:37	—	10.4
12:47	Sunny hot / 13.7 ug/m3 / 14.4	11.3
13:53	" " / 12.8	11.6
14:29	" " / 12.7	11.8
14:58	Sunny & hot, breezy / 11.4	11.8
	Turn off & let it purge for approx. 45 sec.	

COMMENTS: Run Time 7 h 7 min.

Checked 7-14-14 - C. Stapler

DAILY DUST MONITORING READINGS - BACKUP TO DATA LOGGER
NYSDEC INDUSTRIAL OVERALL UNIFORM CORPORATION SITE 360109-SOIL REMOVAL IRM
NEW ROCHELLE, NEW YORK

PROJECT NO. 3612112221.05.01

DATE: 6-3-14 Downwind Unit 02618

TIME	WEATHER	READING (TWA)
0840	Calm, Humid / Conc.	22 ug/m³
0940		24.9 ug/m³
1032		25.8
1242	Sunny, hot / 29.4	28.1
1333	" " / 31.7	30.7
1355	" " / 40.5	31.7
1427	" " / 25.8	31.7
1503	" " / 25.1	31.7
	Run Time 7hr. 10 min.	
	Turn off w/out purging	

PID (RAE 3000) 0.0

COMMENTS: Checked. C. Stapler - 7-14-14

DAILY PID MONITORING READINGS - BACKUP TO DATA LOGGER
NYSDEC INDUSTRIAL OVERALL UNIFORM CORPORATION SITE 360109-SOIL REMOVAL IRM
NEW ROCHELLE, NEW YORK

PROJECT NO. 3612112221.05.01

DATE: 6-4-14

TIME	WEATHER	READING
08:14	Clouds, mist lifting; some sun	0.6
09:13	hazy sun	0.2
11:40	hazy sun	0.1
13:51	" "	0.2
14:58	" "	0.1
	Turn Off	

← humidity possibly giving slight noise to PID.

COMMENTS: PID Unit from Pine - MiniRAE 3000 (018127); SN: 592-906336
Checked - 7-14-14 - C. Stapler

DAILY DUST MONITORING READINGS - BACKUP TO DATA LOGGER
NYSDEC INDUSTRIAL OVERALL UNIFORM CORPORATION SITE 360109-SOIL REMOVAL IRM
NEW ROCHELLE, NEW YORK

PROJECT NO. 3612112221.05.01

Upgradient Location
Unit R 10520

DATE: 6-4-14

L TWA mg/m3

TIME	~~WEATHER~~ Conc. mg/m3	READING
~ 08:07	START Run	
08:11	Conc. = 23.2	27.8
09:14	Conc. = 15.1	18.6
11:41	Conc. = 16.7	17.0
13:54	Conc. = 14.2	16.2
15:03	Conc. = 10.5	15.5
	Turn off	

COMMENTS: Perform Initializing / Zeroing prior to placement
Checked - C. Stryker - 7.14.14

DAILY DUST MONITORING READINGS - BACKUP TO DATA LOGGER
NYSDEC INDUSTRIAL OVERALL UNIFORM CORPORATION SITE 360109-SOIL REMOVAL IRM
NEW ROCHELLE, NEW YORK

PROJECT NO. 3612112221.05.01

Downwind location
Unit 02618

DATE: 6-4-14

L TWA ug/m3

TIME	WEATHER, etc, Conc.	READING
08:05	START RUN Conc. ug/m3	—
08:13	Conc. ug/m3 = 32.8	42.8
0913	conc. = 30.5	32.0
11:40	conc. = 27.3	30.0
13:50	conc. = 43.9	28.5
14:58	conc. = 17.5	27.3
	TURN off	

COMMENTS: Perform zeroing/initializing prior to placement

Yesterday (evening) heavy rains keeps dust levels to minimal today

Checked. C. Stapleton 7-14-14

APPENDIX F

POST IRM SITE SURVEY

CENTRE AVENUE
(50' RIGHT-OF-WAY)
STREET LINE
CONCRETE CURB
P.O.B.
N70°46'10"W
90.67'
RELYEA PLACE
(50' RIGHT-OF-WAY)
BARTELS PLACE
(50' RIGHT-OF-WAY)
150.00'
N81°42'50"E
130.21'
N19°12'50"E
S08°17'10"E
99.40'
S82°13'34"W
25.00'
11.62'
L=113.83'
R=2270.98'
NORTHERN AREA
RESIDENTIAL AREA
APPROX. AREA OF EXCAVATION
RAILROAD TRACKS
RAILROAD BALLAST
ROCK WALL
METAL BLDG. (CONTROL POINT)
CONSOLIDATED RAIL CORP.
(REPUTED OWNER)
NO LAST DEED OF RECORD FOUND
T.M. 2-692-1
INDUSTRIAL OVERALL SERVICE CORPORATION
(REPUTED OWNER)
DOCUMENT #493220482
T.M. 2-4-444-9 & 1
2 STORY-
BRICK
#27 CENTRE AVENUE
ALFONSO HERNANDEZ
(REPUTED OWNER)
DOCUMENT #420950610
T.M. 2-444-11
2 STORY-
WOOD FRAME
#14 BARTELS PLACE
BENCHMARK
ELEV.: 79.74
"X" ON SE CATENARY POLE BOLT
BENCHMARK
ELEV.: 77.05
NAIL W/ WASHERS IN UTILITY POLE
CB-02
CINDER BLOCK LINED WELL:
RIM = 72.66
SUMP = 66.76
SILL = 90.83
SILL = 88.70
SILL = 86.72
SILL = 77.16
SILL = 77.59
METAL SMOKESTACK
APPROX. TANK LOCATION
ASPHALT PARKING LOT
N09°40'43"E 2013 SURVEY BASELINE
111.60'
MATCHLINE SHEET 2
LEGEND
BENCHMARK
MANHOLE (UNKNOWN)
VALVE (UNKNOWN)
COMMUNICATIONS MANHOLE
CONTROL POINT
ELECTRIC MANHOLE
GAS VALVE
GAS LINE
CATCH BASIN SQUARE
UTILITY POLE
SANITARY MANHOLE
WATER VALVE
TEST HOLE
UNDERGROUND CABLE
SANITARY SEWER
WATER LINE
MONITORING WELL
STREET RIGHT-OF-WAY
STREET RIGHT-OF-WAY
ELECTRIC LINE
CHAINLINK FENCE
FIRE HYDRANT
IRON PIPE
NORTHERN AREA
RESIDENTIAL AREA
APPROX. AREA OF EXCAVATION
GRAPHIC SCALE
(IN FEET)
1 inch = 10 ft.

THE UNDERSIGNED SURVEYOR HEREBY CERTIFIES TO THE PEOPLE OF THE STATE OF NEW YORK ACTING THROUGH THE COMMISIONER OF THE DEPARTMENT OF ENVIROMENTAL CONSERVATION THAT THIS IS AN ACCURATE MAP OF AN ACTUAL SURVEY COMPLETED 6/12/2013. SUBJECT TO ANY STATE OF FACTS AN ACCURATE ABSTRACT DATED AFTER 3/14/2013 MAY SHOW.

6/21/13

REF.

Boundary & Partial Topographic Survey Map

Bartels Place

New Rochelle, NY

"Unauthorized alteration or addition to a survey map bearing a licensed land surveyor's seal is a violation of section 7209, sub-division 2, of the New York State Education Law." "Copies from the original of this survey map not marked with an original of the of the land surveyor's inked seal or his embossed seal shall not be considered a valid true copy."

Part of ------
County of Westchester
Scale of 1 inch = 10'

TOWN New Rochelle
State of New York
Date 9/23/13 - REV. 2/14/14 - REV. 4/16/15

PHONE: (315) 432-9823
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6390 FLY ROAD
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Project No. 109.005-2

PRUDENT ENGINEERING

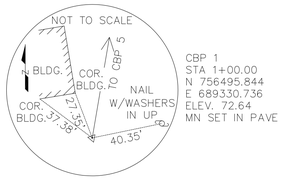
CADD File Name: M:\Drawings\109\005\Phase 02 – Industrial Overall Service Corp.DWG

SAMPLE LOCATIONS						
Pnt.	Northing	Easting	Elev.	Desc.		
318	756596.7	689334.7	75.65	SS-208		
319	756608.7	689326.6	76.15	SS-200		
320	756615.1	689322.2	75.99	GS-18		
321	756625.2	689314.1	76.98	SS-209		
322	756604.1	689320.5	76.81	SS-202		
323	756597.0	689324.4	75.45	SS-203		
324	756601.7	689330.5	75.97	SS-201		
357	756608.5	689296.5	73.73	SS-105		
358	756608.3	689290.1	74.45	SS-205		
374	756609.8	689307.9	73.94	SS-101		
375	756602.8	689303.9	73.22	SS-206		
377	756603.2	689312.6	74.68	SS-102		
395	756600.6	689278.0	71.56	SS-107		
396	756578.9	689275.4	71.07	SS-108		
399	756601.1	689285.2	72.77	SS-106		
400	756596.6	689290.9	72.71	SS-207		
401	756585.7	689299.7	72.87	SS-104		
402	756589.1	689313.8	73.47	SS-100		
403	756602.7	689303.8	73.25	SS-206		

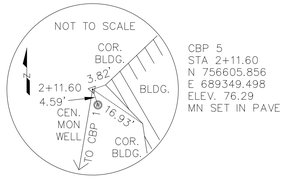
**Horizontal Coordinates reference to the New York State Plane Coordinate System, East Zone (3101) based on NAD 83 (2011). Vertical Datum is NAVD88. Horizontal and Vertical control was established by NYSNET RTK.*

SAMPLE LOCATIONS 4-7-15					
Pnt.	Northing	Easting	Ground Elev.	PVC RISER PIPE ELEV.	Desc.
3027	756616.6	689289.6	77.87	-	SS-302
3028	756620.3	689295.5	77.56	-	SS-301
3029	756625.5	689300.0	78.27	-	SS-300
3057	756520.9	689349.5	75.29	75.03	BR-101
3059	756466.2	689344.0	74.03	73.84	BR-102
3062	756496.5	689381.5	77.28	-	GS/GW-40
3063	756511.6	689394.9	78.32	78.06	PZ-39 RIM
3065	756511.7	689398.1	78.76	78.51	PZ/GS-38
3068	756526.1	689402.6	76.82	76.59	PZ/GS-34
3069	756528.6	689395.4	76.86	76.62	PZ/GS-35
3071	756541.0	689380.0	76.78	76.45	PZ/GS-36
3074	756536.7	689440.2	76.71	76.35	PZ/GS-33
3075	756537.1	689397.8	76.79	-	GS-37

**Horizontal Coordinates reference to the New York State Plane Coordinate System, East Zone (3101) based on NAD 83 (2011). Vertical Datum is NAVD88. Horizontal and Vertical control was established by NYSNET RTK.*



CBP 1
STA 1+00.00
N 756495.844
E 689330.736
ELEV. 72.64
MN SET IN PAVE

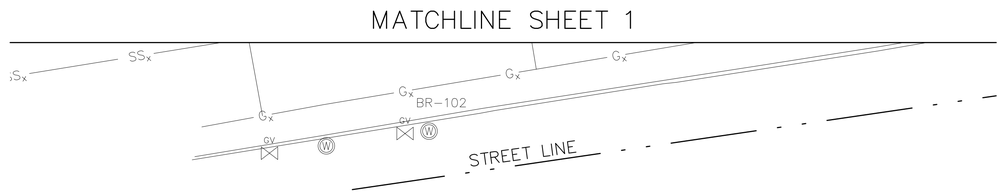


CBP 5
STA 2+11.60
N 756605.856
E 689349.498
ELEV. 76.29
MN SET IN PAVE

SAMPLE LOCATIONS					
Pnt.	Northing	Easting	Ground Elev.	PVC RISER PIPE ELEV.	Desc.
2001	756635.4	689284.1	77.71	-	A3
2014	756641.5	689308.5	78.64	-	B3
2017	756645.1	689319.2	80.05	-	SS 23
2018	756658.1	689306.9	78.40	-	B2
2025	756666.6	689324.1	78.42	-	C1
2026	756658.6	689326.3	81.06	-	C2A
2027	756652.7	689320.8	80.86	-	C2
2028	756654.1	689329.7	80.15	-	SS 212
2035	756676.1	689339.3	81.69	-	D1
2041	756681.6	689348.3	81.14	-	SS 211
2042	756692.0	689351.6	84.67	-	SS 208
2049	756699.5	689370.9	86.68	-	SS 210
2059	756682.1	689358.2	80.14	-	SS 216
2060	756672.3	689352.7	79.59	-	SS 215
2062	756661.2	689342.9	79.72	-	SS 214
2063	756682.5	689404.7	81.83	-	G1
2064	756679.4	689421.4	82.11	-	H1
2065	756685.4	689390.2	81.49	-	F1
2066	756659.0	689403.2	80.01	-	G2
2067	756662.1	689387.8	79.96	-	F2
2068	756669.2	689370.8	79.79	-	E2
2069	756644.5	689387.5	79.05	-	F3
2070	756664.0	689351.9	79.08	-	D2
2071	756632.5	689372.5	78.14	-	GS7
2072	756638.7	689364.5	77.70	-	E3
2073	756645.6	689349.0	77.60	-	D3
2074	756619.7	689357.9	76.92	-	GS25
2075	756625.0	689348.8	76.39	-	D4
2076	756610.3	689347.5	76.14	-	GS8
2077	756639.1	689330.2	76.81	-	C3
2078	756629.8	689317.6	76.23	-	C3A
2079	756596.3	689337.0	75.67	-	C5
2080	756602.6	689344.5	75.98	-	D5
2081	756592.4	689358.4	76.70	-	E5
2082	756584.7	689359.1	76.59	-	PZ-22
2083	756601.5	689350.8	76.50	-	PZ-19
2084	756583.4	689347.0	75.76	-	D6
2087	756555.1	689362.3	76.25	76.12	MW-24
2088	756551.9	689362.1	76.14	75.83	MW-24B
2089	756545.6	689365.3	76.29	-	E8
2090	756544.4	689346.3	74.95	-	D8
2091	756562.0	689347.6	75.42	-	D7
2092	756577.8	689325.4	75.08	-	C6
2093	756560.4	689328.6	74.78	-	C7
2094	756545.7	689331.5	74.55	-	C8
2095	756518.5	689334.5	74.34	-	C9
2096	756521.7	689347.4	74.97	-	D9
2097	756525.0	689359.7	75.64	-	E9
2098	756526.0	689369.6	76.41	-	PZ-21
2101	756614.4	689333.0	75.83	-	C4
1140	756608.5	689508.1	88.50	-	MW-21
2099	756654.2	689380.3	79.30	-	MW-25B
2100	756648.1	689385.2	79.15	-	MW-25
2300	756634.2	689586.4	91.46	91.22	MW-27B
2303	756584.0	689330.8	75.24	74.66	MW-30B
2309	756648.0	689310.3	78.52	78.03	MW-29B
2311	756646.5	689298.3	77.86	-	GS-30
2312	756659.9	689308.7	78.30	-	GS-31
	756673.2	689320.5	UNK	-	GS-32
2314	756666.1	689351.0	79.25	-	SLUDGE AREA 2
2315	756673.6	689363.3	79.72	-	SLUDGE AREA 1
	756606.1	689328.4	UNK	-	SLUDGE 3 CONF
2318	756574.3	689289.1	74.21	-	MPIP
2320	756560.6	689292.0	72.60		MPIP
2317	756687.2	689235.3	78.30	-	PZ-29
2321	756580.3	689289.3	72.66	-	CB-02**

**Horizontal Coordinates reference to the New York State Plane Coordinate System, East Zone (3101) based on NAD 83 (2011). Vertical Datum is NAVD88. Horizontal and Vertical control was established by NYSNET RTK.*

**The well is Cinder Block lined, Sump = 66.76'.



LEGEND

- BM BENCHMARK
- MH MANHOLE (UNKNOWN)
- VA VALVE (UNKNOWN)
- C COMMUNICATIONS MANHOLE
- CONTROL POINT
- E ELECTRIC MANHOLE
- GV GAS VALVE
- Gx GAS LINE
- CB CATCH BASIN SQUARE
- UTILITY POLE
- S SANITARY MANHOLE
- WV WATER VALVE
- TEST HOLE
- CUx UNDERGROUND CABLE
- SSx SANITARY SEWER
- Wx WATER LINE
- W MONITORING WELL
- STREET RIGHT-OF-WAY
- PL STREET RIGHT-OF-WAY
- Ex ELECTRIC LINE
- X CHAINLINK FENCE
- FIRE HYDRANT

NEW DESCRIPTION OF THE SURVEYED PROPERTY

A NEW DESCRIPTION WAS PREPARED WITH BEARINGS REFERENCE TO TRUE NORTH AT THE 74°30' MERIDIAN OF WEST LONGITUDE.

ALL THAT TRACT OR PARCEL OF LAND, SITUATE IN THE CITY OF NEW ROCHELLE, COUNTY OF WESTCHESTER AND STATE OF NEW YORK, BEING LOTS 9,10,11,12, GORE C AND PORTIONS OF LOTS 7,8,13 AND GORE B ON A CERTAIN MAP ENTITLED "MAP OF PROPERTY BELONGING TO THE ESTATE OF MARIA R. LAWTON, DECEASED, AT NEW ROCHELLE, NEW YORK", DATED APRIL 16, 1884 AND FILED IN THE OFFICE OF THE CLERK OF THE COUNTY OF WESTCHESTER, DIVISION OF LAND RECORDS, JANUARY 12, 1886 IN VOLUME 6 OF MAPS AT PAGE 58, AND BEING MORE PARTICULARLY BOUNDED AND DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT FORMED BY THE INTERSECTION OF THE SOUTHWESTERLY SIDE OF CENTRE AVENUE AND THE NORTHWESTERLY SIDE OF RELYEA PLACE (FORMERLY GUION PLACE) AS SHOWN ON SAID MAP;

THENCE FROM SAID POINT OF BEGINNING N 70°46'10" W ALONG THE WESTERLY SIDE OF SAID CENTRE AVENUE A DISTANCE OF 90.67' LANDS NOW OR FORMERLY OF CONSOLIDATED RAIL CORP.;

THENCE SOUTHWESTERLY ALONG THE SOUTHERLY LINE OF SAID CONSOLIDATED RAIL CORP. THE FOLLOWING (3) COURSES AND DISTANCES; (1) ALONG A CURVE TO THE RIGHT HAVING A RADIUS OF 2270.98', A DISTANCE OF 113.83' TO A POINT; (2) THENCE N 70°46'10" W A DISTANCE OF 11.62' TO A POINT; (3) THENCE S 82°13'34" W, A DISTANCE OF 25.00' TO A POINT ON THE DIVIDING LINE OF LOTS 14 AND 13 ON SAID MAP;

THENCE SOUTHERLY ALONG THE SAID DIVISION LINE BETWEEN LOTS 14 AND 13, S 08°17'10" E, A DISTANCE OF 99.40' TO A POINT ON THE NORTHERLY LINE OF BARTELS PLACE (FORMERLY FRANKLIN STREET);

THENCE EASTERLY ALONG THE SAID NORTHERLY LINE OF BARTELS PLACE, N 81°42'50" E, A DISTANCE OF 150.00'TO A POINT ON THE NORTHWESTERLY SIDE OF SAID RELYEA PLACE:

THENCE NORTHERLY ALONG THE SAID EASTERLY LINE OF RELYEA PLACE, N 19°12'50" E, A DISTANCE OF 130.21'TO THE POINT AND PLACE OF BEGINNING.

CONTAINING 0.523 ACRES OF LAND, MORE OR LESS.

SUBJECT TO ANY EASEMENTS, RIGHT-OF-WAYS, AND/OR RESTRICTIONS OF RECORD, WHICH MAY AFFECT THIS PROPERTY.

REFERENCES:

1. ABSTRACT OF TITLE PREPARED BY REDVISION, DATED 3/14/2013.

NOTES:

1. HORIZONTAL COORDINATES REFERENCED TO THE NEW YORK STATE PLANE COORDINATE SYSTEM (NYSNET), EAST ZONE (3101) BASED ON NAD 83 (2011).

2. VERTICAL DATUM BASED ON NAVD 88 (NYSNET). CONTOURS ARE AT 1/2 FOOT INTERVALS.

3. UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM A COMBINATION OF FIELD MEASUREMENTS, AVAILABLE MAPS, RECORDS AND INFORMATION PROVIDED BY THE OWNER, THEREFORE THEIR LOCATION AND TYPE OF USE SHOULD BE CONSIDERED APPROXIMATE ONLY, THERE ALSO MAY BE OTHER FACILITIES, STRUCTURES OR UTILITIES THE EXISTENCE OF WHICH IS PRESENTLY UNKNOWN.

THE UNDERSIGNED SURVEYOR HEREBY CERTIFIES TO THE PEOPLE OF THE STATE OF NEW YORK ACTING THROUGH THE COMMISIONER OF THE DEPARTMENT OF ENVIROMENTAL CONSERVATION THAT THIS IS AN ACCURATE MAP OF AN ACTUAL SURVEY COMPLETED 6/12/2013. SUBJECT TO ANY STATE OF FACTS AN ACCURATE ABSTRACT DATED AFTER 3/14/2013 MAY SHOW.

STATE OF NEW YORK
MICHAEL ANTHONY VERTUNO
30079
LICENSED LAND SURVEYOR
6/21/13

REF.

Boundary & Partial Topographic Survey Map

Bartels Place

New Rochelle, NY

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Part of ------
County of Westchester
Scale of 1 inch = 10'

TOWN New Rochelle
State of New York
Date 9/23/13 - REV. 2/14/14 - REV. 4/16/15

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6390 FLY ROAD
EAST SYRACUSE, N.Y. 13057
www.PrudentEng.com

Project No. 109.005-2

PRUDENT ENGINEERING

IN CHARGE OF M.A.V. DESIGNED BY CHECKED BY DRAFTED BY B.G.P. ESTIMATED BY CHECKED BY M.A.V.

CADD File Name: M:\Drawings\109\005\Phase 02 – Industrial Overall Service Corp.DWG