

**132 DINGENS ST. SITE  
ERIE COUNTY  
BUFFALO, NY**

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**FINAL ENGINEERING REPORT  
BROWNFIELDS CLEANUP PROGRAM**

**NYSDEC Site Number: C915263**

**Prepared for  
132 Dingens St, LLC  
Buffalo, NY**

**Prepared by  
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**July 2016  
(revised October 2016)**

## CERTIFICATIONS

I, Dharmarajan Iyer, Ph.D., PE, am currently a registered professional engineer licensed by the State of New York, I had primary direct responsibility for implementation of the remedial program activities, and I certify that the Remedial Action Work Plan was implemented and that all construction activities were completed in substantial conformance with the Department-approved Remedial Action Work Plan.

I certify that the data submitted to the Department with this Final Engineering Report demonstrates that the remediation requirements set forth in the Remedial Action Work Plan and in all applicable statutes and regulations have been achieved in accordance with the time frames, if any, established for the remedy.

I certify that all use restrictions, Institutional Controls, Engineering Controls, and/or any operation and maintenance requirements applicable to the Site are contained in an environmental easement created and recorded pursuant ECL 71-3605 and that all affected local governments, as defined in ECL 71-3603, have been notified that such easement has been recorded.

I certify that a Site Management Plan has been submitted for the continual and proper operation, maintenance, and monitoring of all Engineering Controls employed at the Site, including the proper maintenance of all remaining monitoring wells, and that such plan has been approved by the Department.


I certify that all documents generated in support of this report have been submitted in accordance with the DER's electronic submission protocols and have been accepted by the Department.

I certify that all data generated in support of this report have been submitted in accordance with the Department's electronic data deliverable and have been accepted by the Department.

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Dharmarajan Iyer, Ph.D., PE, of Iyer Environmental Group, PLLC, am certifying as Owner's Designated Site Representative for the site.

073104  
NYS Professional Engineer #

10/31/16  
Date

  
Signature



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## **List of Acronyms**

ASP	Analytical Services Protocol
BCA	Brownfield Cleanup Agreement
BCP	Brownfield Cleanup Program
CBS	Confirmatory Bottom Soil sample
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CAMP	Community Air Monitoring Plan
CFR	Code of Federal Regulation
CLP	Contract Laboratory Program
COC	Certificate of Completion
CSCO	Commercial Use Soil Cleanup Objective
CWS	Confirmatory Wall Soil sample
DER	Division of Environmental Remediation
EC	Engineering Control
ECL	Environmental Conservation Law
ELAP	Environmental Laboratory Approval Program
ERP	Environmental Restoration Program
EWP	Excavation Work Plan
GHG	Green House Gas
HASP	Health and Safety Plan
IC	Institutional Control
NA	Not Analyzed (or Not Applicable)
ND	Not Detected
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYCRR	New York Codes, Rules and Regulations
O&M	Operation and Maintenance
OM&M	Operation, Maintenance and Monitoring
OSHA	Occupational Safety and Health Administration
PETL	Proposed Excavation Threshold Limit (site-specific)
PRP	Potentially Responsible Party
PRR	Periodic Review Report
QA/QC	Quality Assurance/Quality Control
QAPP	Quality Assurance Project Plan
RAO	Remedial Action Objective
RAWP	Remedial Action Work Plan
RCRA	Resource Conservation and Recovery Act
RI/FS	Remedial Investigation/Feasibility Study
ROD	Record of Decision
RP	Remedial Party
RSO	Remedial System Optimization
SAC	State Assistance Contract
SCGs	Standards, Criteria and Guidelines
SCO	Soil Cleanup Objective
SMP	Site Management Plan
SOP	Standard Operating Procedures
SOW	Statement of Work
TAL	Target Analyte List
TCL	Target Compound List
TCLP	Toxicity Characteristic Leachate Procedure
USEPA	United States Environmental Protection Agency

# **FINAL ENGINEERING REPORT**

## **132 DINGENS ST. SITE**

### **1.0 BACKGROUND AND SITE DESCRIPTION**

132 Dingens St, LLC entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) in June 2012 to investigate and remediate a 13.22-acre property located in the City of Buffalo, Erie County, New York (see Figure 1). The property was remediated to restricted commercial use.

The site boundary is outlined on the aerial map on Figure 2A and on the site survey map included as Drawing D-1. It is located in the County of Erie, New York and is identified as Section 112.19, Block 1 and Lot 14.11 on the Erie County Tax Map (see Figure 2B). The site is 13.22 acres in area and is bounded by UPS ground terminal and Buffalo Games to the north, Dingens Street to the south, Niagara Tying Service to the east, and warehouses owned by Buffalo News and FPPF Chemical Company to the west. The site boundaries are more fully described on the site survey map (Drawing D-1) and in Appendix D – Environmental Easement.

An electronic copy of this FER with all supporting documentation is included as Appendix C.

### **1.1 Site Description**

The site and its surrounding areas contained numerous rail lines and yards dating back to 1917, and this area was built up to its current grade with various types of industrial/urban fill. Soils on the site are mapped by the Soil Conservation Service as “Urban Land” which can typically contain fill materials with little native soil conditions remaining. No sensitive ecological receptors were identified in and around the site. Potable water is supplied from Lake Erie by the City of Buffalo, and there are no drinking water wells in the area.

The site consists of the following: an 85,000 square-foot foundation (remaining from an old warehouse that burned down in 2010) and a one-story storage building. Most of the remaining land area is covered with asphalt/concrete/stone with small areas of vegetation. The site is zoned commercial/light industrial, and is currently vacant except for new automobiles temporarily parked in the paved area to the south.

The properties adjoining the site and in the surrounding neighborhood primarily include commercial and residential properties. The properties immediately south of the site across Dingens St. include commercial and residential properties; the properties immediately north of the site include commercial properties; the properties immediately east of the site include commercial properties; and the properties to the west of the site include commercial properties.

## **1.2 Summary of Site Contamination**

Site investigations (2011 Phase II and 2015 BCP RI; see sampling locations on Figure 2C) revealed various types of industrial/urban type fill that was used to elevate the ground surface to its present grade in and around the site.

The fill (see geologic cross-sections in Figure 3) includes randomly deposited heterogeneous materials, construction debris (bricks, concrete and wood), trash (rubbish, glass, paper and scrap metal), oil soaked materials and sludge. The fill is underlain by various types of natural soils (clay, silt, sand and gravel). The thickness of the fills ranged from four feet along the southeastern boundary to twenty feet along the northern boundary.

Volatile organics, pesticides and cyanide were found only at trace levels in soil and groundwater and are therefore not of significance at this site. No petroleum compounds of significance were found in any of the soil samples, even in the paved area northeast of the old warehouse foundation that was the location of petroleum USTs.

The bulk of the contamination appeared to be limited to the industrial fill material, while the underlying natural soil (clay, silt) appeared to be minimally impacted. The highest levels of soil contamination exceeding SCOs for restricted commercial and industrial use appear to be in previously vegetated areas along the northern property boundary and the eastern section. Elevated levels were also found in the old UST area just northeast of the warehouse foundation. Relatively lower levels of contamination were found in the paved areas surrounding the old warehouse foundation, and even lower along the southeastern property boundary.

Of greater significance has been soil contamination with several semi-volatile compounds, PCBs and a few metals which are listed in Table 1 along with the range of concentrations found in site soils during the Phase II (2011) and RI (2015) investigations. SVOC and metals contamination in the soil is widespread across the vegetated areas of the site. These two parameters are typically associated with the industrial type fill material making up the top four to twenty feet of the subsurface. Among the metals, lead was of the greatest concern since high concentrations of total lead (greater than 5,000 mg/Kg) can result in exceedance of its TCLP limit.

Based on the results of two rounds of sampling, groundwater did not appear to be adversely impacted at the site. Unfiltered groundwater samples from eight overburden monitoring wells straddling the fill materials were found to have low levels of contaminants consistent with the carryover of fine solids from the formation. Filtered groundwater samples from the first round and unfiltered samples from the second round were found to have only trace levels of semivolatile organics and metals typical of the area. These findings indicated that the site contaminants do not readily leach from the fill materials into the groundwater.

Site-specific PETLs (Proposed Excavation Threshold Limits) were established in the AAR (Alternatives Analysis Report; May 2015) and became part of the Decision Document (May 2015) for remediation of the site. The hotspot source areas exceeding the PETLs are shown on Figure 2D (see sample locations on Figure 2C associated with these areas).

## **2.0 SUMMARY OF SITE REMEDY**

### **2.1 Soil Remedial Action Objectives**

Soil is the primary contaminated medium identified at the site, with the potential to impact the underlying groundwater. The area is bordered by commercial properties. Groundwater is not adversely impacted at the site and does not require long term monitoring.

Based on the results of the Remedial Investigation, the Remedial Action Objectives (RAOs) for the site as listed in the Decision Document (May 2015) are as follows:

- RAOs for Public Health Protection:  
Prevent ingestion/direct contact with contaminated soil
- RAOs for Environmental Protection:  
Prevent potential migration of contaminants that will result in groundwater contamination

### **2.2 Description of Selected Remedy**

The site was remediated in accordance with the remedy selected by the NYSDEC in the RAWP dated July 2015. The factors considered during the selection of the remedy are those listed in 6NYCRR 375-1.8. The remedy for this site was performed as a single project, and no interim remedial measures, operable units or separate construction contracts were performed.

The following are the components of the selected remedy:

- a. Excavation of soil/fill exceeding the site-specific Soil Cleanup Objectives (SCOs) as defined by the Proposed Excavation Threshold Limits (PETLs) listed below:

PARAMETER	PETL (mg/Kg)
Total SVOCs	500
Total PCBs	1.0
Arsenic	79
Lead	5,000
Mercury	5.7

- b. Backfill excavations and grade site with clean imported materials. All fill material brought to the site met the requirements for the identified site use as set forth in 6 NYCRR Part 375-6.7(d).
- c. Excavation water was discharged on the ground surface in one area.
- d. Construction and maintenance of a cover system to prevent human exposure to remaining contaminated soil/fill remaining at the site. The cover system (see Drawing D-4 for layout of the cover system and Figure 6 for details) included asphalt, concrete, gravel, floor slab,

building, or a soil cover in areas where the upper one foot of exposed surface soil exceeds the applicable soil cleanup objectives (SCOs).

The soil or crushed stone cover has a minimum thickness of one foot, meeting the SCOs for cover material as set forth in 6 NYCRR Part 375-6.7(d) for commercial use (CSCOs). The asphalt cover includes a 2" base of crushed stone, and 4" of blacktop material on top of that.

- e. Newly installed cover systems were placed over a demarcation layer of Geotextile fabric to distinguish them from the underlying industrial/urban fill or clean fill that was used to establish the required grade.
- f. Development and implementation of a Site Management Plan for long term management of remaining contamination as required by the Environmental Easement, which includes plans for: (1) Institutional and Engineering Controls, (2) maintenance and (3) reporting;
- g. Execution and recording of an Environmental Easement to restrict land use and prevent future exposure to any contamination remaining at the site.
- h. Institutional controls implemented for the site:
  - Allows the use and development of the controlled property for commercial and industrial uses as defined by Part 375-1.8(g), with subject to local zoning laws;
  - Restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or Erie County DOH; and
  - Requires compliance with the Department approved Site Management
- i. Periodic certification of the institutional and engineering controls listed above.

### **3.0 DESCRIPTION OF REMEDIAL ACTIONS PERFORMED**

Prior to this Remedial Action, debris from the 2010 warehouse fire was cleared by Pinto Construction Services. During the course of the BCP remedial investigation, Pinto continued to remove old refrigeration equipment from the pump-house building and pad-mounted transformers outside, and processed them for recycling. Drums containing various chemicals were also properly disposed off-site. The site with its one remaining building is secured by a chain link fence surrounding the entire perimeter.

Remedial activities completed at the Site were conducted in accordance with the NYSDEC-approved Remedial Action Work Plan (RAWP, July 2015) for the 132 Dingens St. site. There were two deviations from the RAWP as described in Section 3.1, but these do not materially affect the site remedy.

The progress of site work is documented by the photopages in Appendix A. It includes photopages illustrating weekly activities during remediation as well as site conditions at the conclusion of remediation. A log of daily activities is included as Appendix E.

#### **3.1 Governing Documents**

##### **3.1.1 Site Specific Health & Safety Plan (HASP)**

All remedial work performed under this Remedial Action was in full compliance with governmental requirements, including Site and worker safety requirements mandated by Federal OSHA.

The Health and Safety Plan (HASP, Appendix C of the RAWP) was included as complied with for all remedial and invasive work performed at the Site.

##### **3.1.2 Quality Assurance Project Plan (QAPP)**

The QAPP was included as Section 12 of the RAWP approved by the NYSDEC. The QAPP describes the specific policies, objectives, organization, functional activities and quality assurance/ quality control activities designed to achieve the project data quality objectives.

##### **3.1.3 Soil/Materials Management Plan (S/MMP)**

The excavation, handling, testing, transport and disposal of contaminated soil/urban fill were detailed in Section 9 of the RAWP.

##### **3.1.4 Community Air Monitoring Plan (CAMP)**

The NYSDOH's Generic Community Air Monitoring Plan was included as Appendix D of the RAWP. Volatile organics were not of concern at the site. Particulates were monitored upwind and downwind of each of the work areas during soil excavation and backfilling operations.

## **3.2 Remedial Program Elements**

### **3.2.1 Contractors and Consultants**

Consultant – Iyer Environmental Group, PLLC, 44 Rolling Hills Dr., Orchard Park, NY 14127. Dharmarajan Iyer, Ph.D., PE, is the certifying Engineer of Record responsible for inspection of the work.

Contractor – Pinto Construction Services Inc., 1 Babcock St, Buffalo, NY 14210

Laboratory Services – Test America Laboratories, Inc., 10 Hazelwood Dr., Amherst, NY 14228

Landfill Services – Modern Landfill, Inc., 4746 Model City Rd, Model City, NY 14107

### **3.2.2 Site Preparation**

A NYSDEC-approved project sign was erected at the project entrance on Dingens Street and remained in place during all phases of the Remedial Action.

A pre-construction meeting was held with NYSDEC and the Contractor in May, 2015. During June 2015, Pinto mobilized equipment and fenced the entire perimeter of the site. DigSafe was called for the site mark up.

No specific agency or non-agency approvals were required during the course of this remediation. SEQRA requirements and compliance requirements for attainment of applicable natural resource or other permits were also not required.

Iyer Environmental Group (IEG) took backfill samples on May 12, 2015 on topsoil that was being stored in Pinto Construction Services (Pinto) maintenance yard. IEG assisted Pinto in getting the landfill approval from Modern Landfill, Inc., and the Buffalo Sewer Authority for a sewer permit. There were no discharges to the sewer during the site remediation.

### **3.2.3 General Site Controls**

Site security was provided by the Chain link fence that was erected around the perimeter of the site. Job site records were kept by IEG in the form of a Log Book dedicated to site work. Pinto kept Manifest Sheets for all disposed truck loads. Erosion and sedimentation controls were not an issue at this site because of the relatively small areas that were being excavated inside the 13.2-acre property. Equipment decontamination was achieved with a decontamination pad (see details on Figure 7) that Pinto set up near the building at the north central section of the site.

Excavation areas were marked with paint and staked with IDs. Fences were constructed around each excavation area and left in place until receipt of confirmatory sample results and backfilling was completed.

Some excavation piles with high lead content were mixed with cement and moisture so as to stabilize the lead and render the material non-hazardous. Water was added during the mixing operation to achieve the optimum treatment process and to reduce

dust. Cement was added to excavation piles before disposal at the following excavation areas: GS-30, MW-7, TS-9, GS-20 and TS-15.

Excavated material had to be stockpiled near each excavation area while awaiting analytical results from the laboratory (Test America) to confirm its acceptability for landfill disposal. It was placed on plastic sheets as it was being excavated and then covered in plastic at the end of each day to prevent wind and rain erosion.

While waiting for confirmatory lab results, the excavation at one location (GS-30) would partially fill with water. The settled water was pumped onto the surrounding land before further excavations or backfill could be realized – this was acceptable since the site-specific contaminants did not readily leach. Some of the excavated piles contained lead in excess of the RCRA TCLP limit of 5 mg/L. These soil stockpiles were mixed with cement in a roll-off bin to stabilize the heavy metal and retested to confirm they meet the TCLP limit before disposing at the solid waste landfill.

#### 3.2.4 Nuisance controls

The trucks were loaded carefully to avoid spillage and plastic was used on the side of the dump boxes to make cleaning them off after loading easier. The contaminated areas were small compared to the overall site and the trucks were not exposed to contaminated ground as they were coming and going. The decontamination pad was used (see details on Figure 7) as necessary to clean excavating and loading equipment.

The commercially zoned location of the property combined with relatively close access to highways made for convenient truck routing.

Pinto's Standard Operating Procedures (SOP) for Spill Control and Contingency Measures were in place for any spills occurring at the Site during remediation activities.

IEG stayed in close contact with the NYSDEC during the entire remediation. Working closely with Pinto, IEG addressed problems quickly and did not receive any complaints from the surrounding properties.

#### 3.2.5 CAMP Results

Particulates were monitored upwind and downwind of the work areas during soil excavation and backfilling operations. Real-time air monitoring included visual observations for fugitive dust and particulate measurements with a MIE Miniram PDM-3. Dust was monitored with the hand held particulate meter on all four sides of the excavations while excavation and on-site treatment with cement was in progress. The PDM-3 with an audible alarm is capable of measuring particulates less than 10 micrometers in size (PM-10) and integrating over time for comparison to the airborne particulate action level.

The PDM-3 readings (included as Appendix J) ranged from non-detect to a high of 2.59  $\mu\text{g}/\text{M}^3$  during the course of the site work, all well below the RAWP threshold of 100  $\mu\text{g}/\text{M}^3$ . Fugitive dust, if any, was observed only in the immediate vicinity of the



excavator. As a precautionary measure, water was sprayed in the excavation during the few times such observations were made, and also on the excavated stockpile during on-site treatment with cement.

The open unobstructed landscape of the site meant that odors from these areas were quickly dissipated by the prevailing breeze.

### 3.2.6 Reporting

IEG kept a Field Log Book for the site which was used to record daily activities. This was used in part to create the Log of Daily Activities in Appendix E. In addition, IEG took numerous photos of the work in progress. These were used to create the photopages in Appendix A which document the work on a weekly time frame.

Pinto field staff handled all disposal manifests with the waste hauler during the remediation. Copies of these manifests are included in Appendix F, along with the waste hauler's 9A permit and disposal facility approval documentation.

Test America provided a report for each batch of samples sent to them. Copies of these Laboratory Reports for landfill samples are included in Appendix F. Laboratory analytical reports for confirmatory soil samples and off-site materials are included in Appendix I along with the Data Useability Reports (DUSRs).

A worker exposure assessment (see Report in Appendix L) was performed by the Contractor's Certified Industrial Hygienist in July 2015 during remedial activities. It included personal samples for arsenic and lead which were found to be non-detect, suggesting no worker exposure above Personal Exposure Limits.

The quantities of excavated soil/fill and other materials (brush, stumps, scrap metal and broken up asphalt) disposed off-site and imported off-site materials (backfill, topsoil, crushed stone, blacktop binder, Geotextile fabric, concrete and cement) are tabulated in Tables 7A and 7B. Tabulated load summaries for excavated materials disposed at Modern Landfill's solid waste disposal facility are included in Appendix F.

## 3.3 Contaminated Materials Removal

Soil from the source areas of concern were sequentially excavated and the excavation proceeded in each area until confirmatory soil samples met the site-specific excavation objectives (PETLs) as per the RAWP.

The sequence of operation was as follows:

- A. An HDPE liner (minimum 10 mil) was placed next to the source area for staging of excavated soil.
- B. Fill/soil across the entire cross-section of the source area was excavated initially to a depth of 4 feet.
- C. The excavated soil was staged on the HDPE liner next to the source to allow sampling to determine disposal options.
- D. The excavated soil layers were logged by depth intervals in accordance with the Unified Soil Classification System.

- E. Confirmatory wall and bottom samples were collected from the excavation at a frequency of at least 1 per 30 feet, and submitted for laboratory analysis for the parameter of concern identified for that area.
- F. Composite soil samples were collected from the excavated soil stockpile at a minimum frequency of 1 sample per 100 CY and submitted for laboratory analysis for TCLP Lead.
- G. The results of the confirmatory soil samples were used to determine the need for further excavation at each source area. Excavation proceeded in each source area until the confirmatory samples met the PETLs.
- H. Based on the results of the soil testing, soil stockpiles that met the landfill's acceptance criteria, including TCLP lead, were loaded on to waste haulers for disposal at the landfill. The analytical data were submitted to the landfill for prior approval before shipping.
- I. Based on the results of the soil testing for TCLP lead, soil stockpiles with TCLP lead above the RCRA toxicity limit (5 mg/L) were treated on-site in a roll-off bin by mixing them with cement (~5% by weight), slightly wetted with water and restaged on an HDPE liner for at least one day to cure. The stockpile was then resampled for TCLP lead, and the stockpile was shipped to the solid waste landfill if TCLP lead was below the RCRA limit. The analytical data were submitted to the landfill for prior approval before shipping.
- J. Every effort was made to stage the trucks so as to prevent excavation spoils from being tracked off-site. Provisions were made to handle any spills of contaminated materials during excavation as per Pinto's SOP for Spill Control but was not required.
- K. Water infiltrating into the excavation bottom (in one excavation area only) was pre-tested and, based on low contaminant levels, was pumped onto the ground surface
- L. The excavated area was progressively backfilled following confirmatory sampling of the wall and bottom. Only off-site fill meeting DER-10 requirements was used for backfill.
- M. The backfilled areas were compacted in 2-foot lifts and graded as necessary.
- N. The excavations were surveyed on a regular basis and updated on the site map.

A protective cover system was established in accordance with DER-10 requirements for restricted commercial use. It includes asphalt, concrete, gravel, floor slab, building, or a soil cover in areas where the upper one foot of exposed surface soil exceeds the site-specific SCOs/PETLs. These different kinds of cover systems are detailed on Figure 6A (new asphalt and new concrete cover systems) and Figure 6B (existing asphalt, concrete and soil cover systems). The excavation, backfill and grading layout is shown on Drawing D-3, while the layout of the cover systems is shown on the as-built survey map in Drawing D-4.

The soil or crushed stone cover has a minimum thickness of one foot, meeting the SCOs for cover material as set forth in 6 NYCRR Part 375-6.7(d) for commercial use. The asphalt cover includes a 2" base of crushed stone, and 4" of blacktop material on top of that. As shown on the as-built drawing (Drawing D-4), the cover system includes crushed stone in the eastern section of the site, existing paved areas in the middle and northern section, and a combination of new asphalt paving

and crushed stone in the northern and western sections. Photopages included in Appendix A show site conditions immediately after completion of remediation.

### 3.3.1 Contaminated Soil Removal

Site specific excavation objectives (PETLs, Proposed Excavation Threshold Limits) were established for arsenic (79 mg/Kg), lead (5,000 mg/Kg), mercury (5.7 mg/Kg), and total semi-volatile organic compounds (500 mg/Kg). PCBs were remediated to meet Part 375 commercial use soil cleanup objectives of 1 mg/Kg which also meets the Toxic Substances Control Act (TSCA) self-implementing requirements. Site remediation entailed the removal of soil/fill exceeding the site-specific PETLs.

The source areas (see locations on Drawing D-2 and Figure 2D) with high levels of contamination were identified during the BCP remedial investigation. The PETLs were exceeded in mostly the unpaved areas of the Site delineated on Figure 2D. Contaminated soil/industrial fill, which formed the source areas of concern, was excavated and disposed off-site at Modern Landfill's solid waste facility in Model City, NY.

The excavations of the hot spots started at the end of July 2015. Areas were marked out with paint and then enclosed with fences. Material was excavated and put on plastic. Based on the results for landfill parameters, the excavated stockpiles were either directly loaded onto trucks and disposed at the solid waste landfill or treated with cement, allowed to stabilize and retested. Treated stockpiles meeting landfill acceptance criteria were then loaded onto trucks and disposed offsite.

Confirmatory samples were taken on all excavation walls and bottom. Composite samples for the landfill parameters were taken from the excavation piles. The excavations were backfilled only after confirmatory sampling demonstrated that the site-specific PETLs were met. Where the confirmatory soil results did not meet the PETLs, the excavations were extended in an attempt to reach material meeting the PETLs. Each extension of an excavation would be completed with a wall or bottom resampling depending on the circumstance. Once the bottom and wall samples of the final excavation at each location was confirmed to meet the PETLs, the excavation at that location was backfilled and compacted in lifts.

All soil/fill with lead concentrations greater than 5,000 mg/Kg had the potential to exceed the RCRA TCLP limit of 5 mg/L. Based on soil stockpile analysis, those that exceeded the TCLP lead limit were treated on-site with cement (at least 5% by weight) and water (enough to wet the soil) to stabilize the lead, retested to confirm TCLP lead was below the RCRA limit and then disposed at a solid waste landfill. As seen in Table 5, the on-site chemical treatment process worked very well by reducing TCLP lead from a range of 5.9 to 115 mg/L before treatment to a range of non-detect to 0.29 mg/L after treatment in the soil stockpile. In most cases, TCLP lead in the treated samples was two to three orders of magnitude lower than the untreated stockpiles.

Excavations went on in this manner until the beginning of Nov 2015. The last excavation completed was at GS-19. Table 6A lists soil excavation quantities by source areas, as well as backfill quantities. Other materials disposed off-site included broken blacktop, brush, stumps and scrap metal, and these are tabulated in

Table 6B. A total of 2033 cubic yards of contaminated soils and industrial fill were excavated from these areas during the 2015 remedial action and disposed off-site.

Clean fill meeting the requirements of 6 NYCRR Part 375-6.7(d) was brought in to complete the backfilling of the excavations. The site was also re-graded to accommodate installation of a cover system. Table 6A also includes off-site fill volumes for backfill as well as to regrade areas in the northeast portion of the Site. Other imported materials are listed in Table 6B. A total of 11,782 cubic yards of clean off-site fill was used to backfill the excavated areas and to regrade the surrounding areas. A geotextile fabric was placed in all areas over existing soil/urban fill and over clean fill used for regrading before placement of the cover system.

### 3.3.2 Monitoring Well Decommissioning

All eight overburden wells installed during the RI were decommissioned during site remediation as they were no longer needed. The wells were decommissioned in accordance with the NYSDEC's CP-43, Groundwater Well Decommissioning Procedures. Taking into account the site conditions, the overburden wells were decommissioned by grouting in-place followed by pulling the casing.

### 3.3.3 Disposal Details

The vast majority of the material disposed off-site was soil/urban fill at 2,695 tons. The next largest material disposed was broken asphalt with (10) dump truck loads going off-site. Three (3) loads of brush and (1) load of stumps were also disposed. The quantity tabulations for all materials are included in Tables 6A and 6B.

The soil/urban fill, brush and stumps were taken to Modern Landfill's Model City solid waste facility in Niagara County. Copies of the waste profile and acceptance letter from Modern Landfill are included in Appendix F. Copies of the manifests and bills of lading can be found in Appendix F.

Four waste/material haulers were used for the remediation: B Pariso Transport Inc., 2647 Whitehaven Rd, Grand Island, NY 14072; Laraba Enterprises LLC, 4633 Mapleton Rd, Lockport, NY 14094; Artmeier's Trucking, 478 Hopkins St, Buffalo, NY 14220; Mallare Enterprises, 174 N Ellicott Creek Rd, Buffalo, NY 14228. Pariso's 9A permit for waste hauling is included in Appendix F.

### 3.3.4 On-site Reuse

Due to the targeted hot spot nature of the excavations and the primarily man-made nature of the material on site, none of the excavated material was reused on site.

## 3.4 Remedial Performance/Documentation Sampling

For remediation of this Site to restricted commercial use, PETLs were established (see Table 1) for Total SVOCs, PCBs, arsenic, lead and mercury. These PETLs allow for the removal of meaningful quantities of contaminated soil/fill SVOCs and yet be protective of human health and the environment. The recommended soil cleanup level of 500 mg/Kg for total PAHs in the NYSDEC's CP-51 Soil Cleanup Guidance is proposed as the PETL for Total SVOCs. For arsenic, the proposed

PETL of 79 mg/Kg is the mean plus two standard deviations (excluding the outlier). In the case of lead, a soil cleanup level of 5,000 mg/Kg is proposed as the PETL based on a correlation between total lead and TCLP lead, instead of a statistically determined value. The PETL of 5.7 mg/Kg for mercury is set at its ISCO.

### 3.4.1 Sampling Approach and Methodology

A total of thirteen (13) locations were excavated at the site. The anticipated source areas (see Figure 2D for layout and Drawing D-2 for locations of the excavation areas) targeted for excavation and their corresponding analytical parameters for confirmatory soil analysis are as follows:

SOURCE AREAS EXCAVATED (see Figure 2D)	PARAMETERS FOR CONFIRMATORY SOIL ANALYSIS
A	Pb
B	Pb
D	As, Hg
E	SVOCs
F	SVOCs, Pb, PCBs
G	PCBs
L	Hg

Confirmatory soil samples were collected at the bottom of the excavations and from the side walls in accordance with NYSDEC requirements to determine the need for further excavation based on the PETLs for restricted commercial use, and to document residual levels of contaminants at the Site. Samples were collected using a minimum grid spacing of 30'x30'. The sampling frequency was doubled as required by the NYSDEC for excavation side walls along the northern property boundary.

The excavations were performed to depths ranging from two feet (e.g. the western section with PCB contamination) to over ten feet (e.g. the eastern section with metals contamination). Confirmatory soil samples were taken from the excavation bottom and side walls and analyzed for parameters of concern associated with each excavation area (see table above). Each bottom confirmatory soil sample was made up of a composite of seven to ten grab samples across the excavation bottom. Each wall sample was made up of a composite of seven to ten grab samples directly from the side wall or from the excavation bucket after scraping across the side wall at depth intervals based on field visual observations and previous investigation data.

Once final confirmation samples were determined to meet the PETLs, the excavations were backfilled with clean backfill from a known source that was pre-characterized. The excavated/backfilled areas thus have at least two (2) feet of clean off-site fill in the upper layer as the underlying soil cover. In addition, the excavated and backfilled areas include a top layer of new asphalt, new concrete or new crushed stone as part of the cover system. Details of the newly established cover system are provided on Figure 6A, while the existing cover systems in un-excavated areas are detailed on Figure 6B.

A total of ninety-two (92) confirmatory wall samples (CWS) and twenty-nine (29) confirmatory bottom samples (CBS) were taken during consecutive stages of excavations until the PETLs were met. Analytical results for all confirmatory soil samples (intermediate and final) are included in Appendix H as Tables H-1 (for As, Hg, Pb, total SVOCs and total PCBs), H-2 (for detected SVOCs), and H-3 (for detected PCBs). Confirmatory soil sample results following the final excavations are presented in Tables 2A (metals), 2B (SVOCs) and 2C (PCBs).

Appendix H also includes sketches of the layout of all confirmatory soil samples with sampling dates, and figures with sample locations and analytical results for each excavation area. Field duplicates and equipment rinse blanks collected during the confirmatory soil sampling are included in Table 3. Laboratory Reports (Form 1s) are included in Appendix I, while Category B laboratory reports are included in digital format on CD.

During remediation, two small vegetated strips near the site entrance (off Dingens St.) were sampled on 10/14/15 (upon consultation with the NYSDEC) to supplement existing data for the site and confirm that this area did not warrant remediation. Four soil samples (designated TS-18 through TS-21; see locations on Figure 2C) were collected from the top two feet in these two areas and analyzed for semivolatile organics (SVOCs), PCBs and metals.

The results of the soil sampling in the vegetated strips during remediation are presented in Table 4. No PCBs were detected in these samples, while total SVOCs ranged from 7.2 to 99.6 mg/Kg, all below the site-specific PETL of 500 mg/Kg. Among the three metals, arsenic ranged from 6.8 to 14.1 mg/Kg (well below its PETL of 71 mg/Kg), lead was 86 to 1840 mg/Kg (compared to 5,000 mg/Kg PETL), and mercury was 0.19 to 0.67 mg/Kg (compared to PETL of 5.7 mg/Kg). Previous investigations have indicated the southern-most area of the site along Dingens St. to be generally below the SCOs. The upper layer of soil in these two areas with two (2) feet of soil below PETLs can therefore be part of the cover system for the Site.

Remaining contamination at the site is documented by compiling investigation and remediation data for soil samples at unexcavated locations and for confirmatory soil samples in remedial excavation areas. The analytical data is shown on Figures 4 (investigation data) and 5 (confirmatory soil data), and fully tabulated in Appendix G. The locations of the investigation samples are shown on Figure 2C while intermediate and final confirmatory samples are shown on the figures included in Appendix H.

A memo dated 11/16/15 documenting the end of soil excavation and associated confirmatory sampling was submitted to the NYSDEC. All final confirmatory samples representing remaining contamination in the excavated areas were below the PETLs (see Table 5) with just one exception (a low level PCB exceedance in the western area of the site).

A total of fifty-eight (58) composite soil samples (LFS) were taken for landfill parameters in excavated stockpiles and their results are presented in Table 5. Laboratory Reports (Form 1s) are included in Appendix I-2 (digital copy on CD).

### 3.4.2 QA/QC

Quality Control (QA/QC) was achieved using measures implemented in the field and in the laboratory. During field sampling the tools used were washed with distilled water after each sample was taken. The location and ID of the sample were entered in the Log Book. All backfilling was done only after post excavation confirmatory soil sampling and QA/QC activities were performed.

IEG designated eight (8) duplicate confirmatory soil samples to be analyzed. The results of the duplicate samples can be found on Table 3A. There were a total of ten (10) matrix spike/matrix spike duplicates (MS/MSD) samples. In addition, four (4) Rinse Blank samples were taken and their results are included in Table 3B. The Data Useability Summary Reports (DUSRs) for the confirmatory samples are included in Appendix I along with Laboratory Reports.

## 3.5 Imported Backfill

### 3.5.1 Clean Off-site Backfill

The excavated areas were backfilled with clean fill from off-site sources, properly sampled and tested to ensure it met DER-10 analytical parameters and frequency requirements for use at this Site. The backfill (332 loads) was supplied from a stockpile location on Seneca St in Buffalo. This material was mostly sand brought in from a construction excavation at the Children's Hospital in Buffalo, NY.

The stockpile was sampled on Apr 7, 2015. Results of this sampling are included in Table 7B. Documentation for the backfill material included in Appendix K consisted of a BUD (Beneficial Use Determination) application to the NYSDEC and its approval for use at the site.

### 3.5.2 Clean Off-site Topsoil

Clean topsoil was taken from a supply in Pinto's Yard which was sampled on May 12, 2015. The analytical results of this sampling can be seen in Table 7A. Five loads of soil were used from this location. Documentation for the topsoil included in Appendix K consists of a memo for NYSDEC approval that documented the source of the topsoil (St. Joseph Collegiate Institute in Tonawanda, NY and Boulevard Mall in Amherst, NY) and analytical results.

### 3.5.3 Clean Off-site Crushed Stone

16,383 tons of 2' crushed stone was used on the surfaces of the property that were not paved or were covered with vegetation. The virgin crushed stone was obtained from Lockport Quarry and was sampled on November 2, 2015 upon delivery to the site. Analytical results for this crushed stone batch are included in Table 7C.

### **3.6 Contamination Remaining at The Site**

The entire site and its surrounding areas are underlain by industrial/urban fill down to depths of up to 20 feet below ground surface. Heavy metals (arsenic, mercury and lead) are of concern across the site, SVOCs in the middle north section and PCBs in the western section.

The SVOC compounds of concern include benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, phenanthrene and pyrene. Aroclor 1248 and 1254 are the two PCB compounds of concern. These site-specific contaminants of concern have relatively low mobility.

An estimated 212,000 cubic yards make up the layer of industrial/urban fill with contaminated soil across the site. A total of 2,033 cubic yards of contaminated soil were removed from all highly contaminated source areas identified during the site investigations. The clay layer beneath the urban fill layer is relatively unimpacted.

The elevations of the top of remaining soil contamination and the thickness of the remaining contamination are shown on the Geologic cross sections in Figures 3-2 (A-A') through 3-8 (G-G'). The cross-section locations are shown on Figure 3-1. These cross-sections also show the cover system across various portions of the site, while the layout of the cover system is shown on Drawing D-4.

A geotextile membrane serves as the demarcation layer between the remaining contaminated soil layer and cover system made up of clean off-site fill, crushed stone and asphalt. All the excavations were lined with the geotextile membrane prior to backfill. After regrading with additional clean fill, all areas that received an asphalt or crushed stone cover were lined with the geotextile.

Figure 4 (see full listing in Appendix G) summarizes the results of all soil samples that were collected during previous investigations (Phase II and RI) but remain after excavation of the source areas of concern. All these samples are below the PETLs. Figure 5 summarizes (full listing in Appendix G) the results of all soil samples collected during the remedial action. While some of these investigation and confirmatory samples may exceed Unrestricted Use SCOs, they all meet the PETLs or site-specific restricted commercial Use SCOs at the site after completion of remedial action.

Since contaminated soil remains beneath the site after completion of the Remedial Action, Institutional and Engineering Controls are required to protect human health and the environment. These Engineering and Institutional Controls (ECs/ICs) are described in the following sections. Long-term management of these EC/ICs and residual contamination will be performed under the Site Management Plan (SMP) approved by the NYSDEC.



### **3.7 Cover/Cap System**

Exposure to remaining contamination in soil/urban fill at the site is prevented by a cover system placed over the site. The Site has four types of cover systems (see layout on Drawing D-4 and details in the cross-sections on Figures 6A and 6B) to prevent exposure and be protective of human health:

- Soil cover, mostly along the sidewalks near the front entrance (Dingens St.) to the property
- Crushed stone, mostly along the property boundary and the eastern portion
- Asphalt cover for paved parking areas
- Concrete cover, including the warehouse foundation and building

The crushed stone, clean fill and top-soil was obtained from known sources and pre-characterized to confirm with DER-10 requirements for imports from off-site. Details of the new asphalt and crushed stone cover systems are shown on Figure 6A while the existing cover systems (asphalt, concrete and soil covers) are detailed in Figure 6B.

Following a site inspection in April 2016 by the NYSDEC, IEG/Pinto dug test holes in the new crushed stone covers in the eastern portion of the site along their transitions from the existing asphalt cover. The depth of the crushed stone cover was measured to range from 1.33 to 1.9 feet, well above the required 1-foot (12") cover for restricted commercial use. The locations of these test holes and measured depths are shown on a drawing in Appendix M along with photos.

This cover system will be maintained and repaired as necessary to provide the protective barrier to human contact that is a key element of the selected remedy. An Excavation Work Plan, which outlines the procedures required in the event the cover system and/or underlying residual contamination are disturbed, is provided in Appendix C of the SMP.

#### **3.7.1 Asphalt/Concrete Pavement**

The northwest section of the Site around the Cell Tower was paved over with an asphalt cover. The west leg of the site was also paved over. Areas that currently had asphalt/concrete were repaired as necessary to render them suitable for use after Site redevelopment.

#### **3.7.2 Crushed Stone Cover**

Crushed stone was used as a final cover along the south, north and eastern borders of the property. The north border stoned areas are wider than the narrow strip along the southern border. The entire east end which was previously vegetated is now covered with stone after bringing up the grade with backfill soil. Areas along some property boundaries were covered with a minimum 1-foot layer of clean fill and then finished with crushed stone.

### 3.7.3 Topsoil Cover

Some areas along property boundaries have a minimum 12" of soil meeting PETLs and were covered with 2" to 3" of top-soil to support vegetation. These perimeter areas were then seeded and straw mulched to establish grass.

### 3.8 **Other Engineering Controls**

The remedy for the site did not require the construction of any other engineering control systems.

### 3.9 **Institutional Controls**

The site remedy requires that an environmental easement be placed on the property to (1) implement and maintain the Engineering Controls; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the site to restricted commercial/industrial uses only.

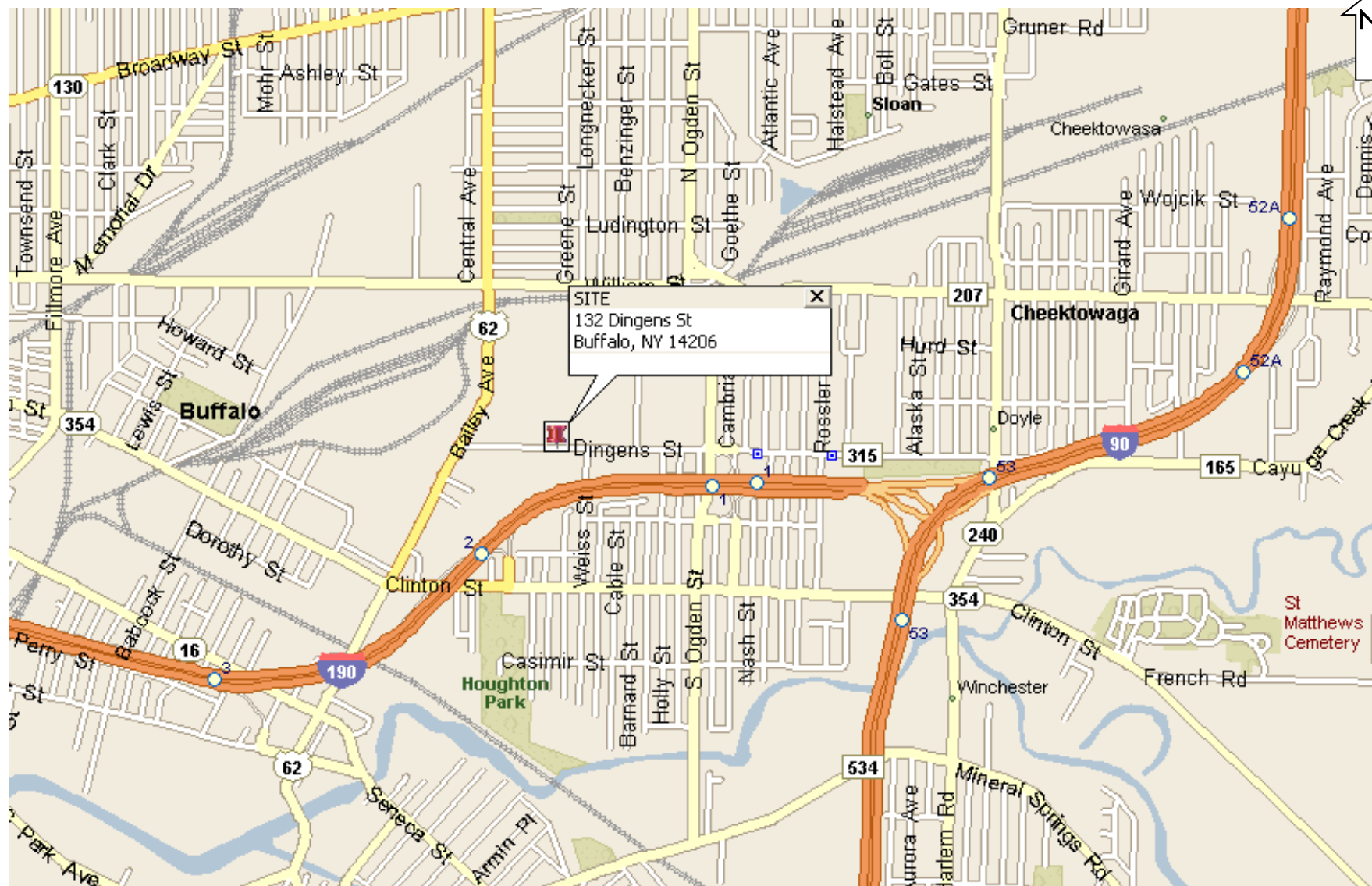
The environmental easement for the site was executed by the Department on May 2, 2016, and filed with the Erie County Clerk on May 17, 2016. The County Recording Identifier number for this filing is 2016099658, BK/PK D112296/1444, Deed Sequence TT2015020561. A copy of the easement and proof of filing is provided in Appendix D.

### 3.10 **Deviations from The Remedial Action Work Plan**

The following are the only deviations from the RAWP:

- Excavation water had to be pumped out in only one source area (GS-30) to facilitate further excavation to meet confirmatory soil criteria. Rather than stage the excavation water in a Frac Tank as outlined in the RAWP, the water was discharged directly on the ground surface in the immediate vicinity, with the NYSDEC's approval. This was considered acceptable due to the low leachability of the site-specific contaminants.
- Excavated soil stockpiles that did not meet the RCRA TCLP lead limit of 5 mg/L for landfill acceptance was treated on-site by mixing the soil with cement in a roll-off bin so as to stabilize lead and render it non-hazardous. The RAWP provided for disposal of such material at a hazardous waste landfill. On-site treatment process was a more efficient and cost effective alternative. TCLP lead was reduced from a range of 5.9 to 115 mg/L before treatment to a range of non-detect to 0.29 mg/L after treatment.

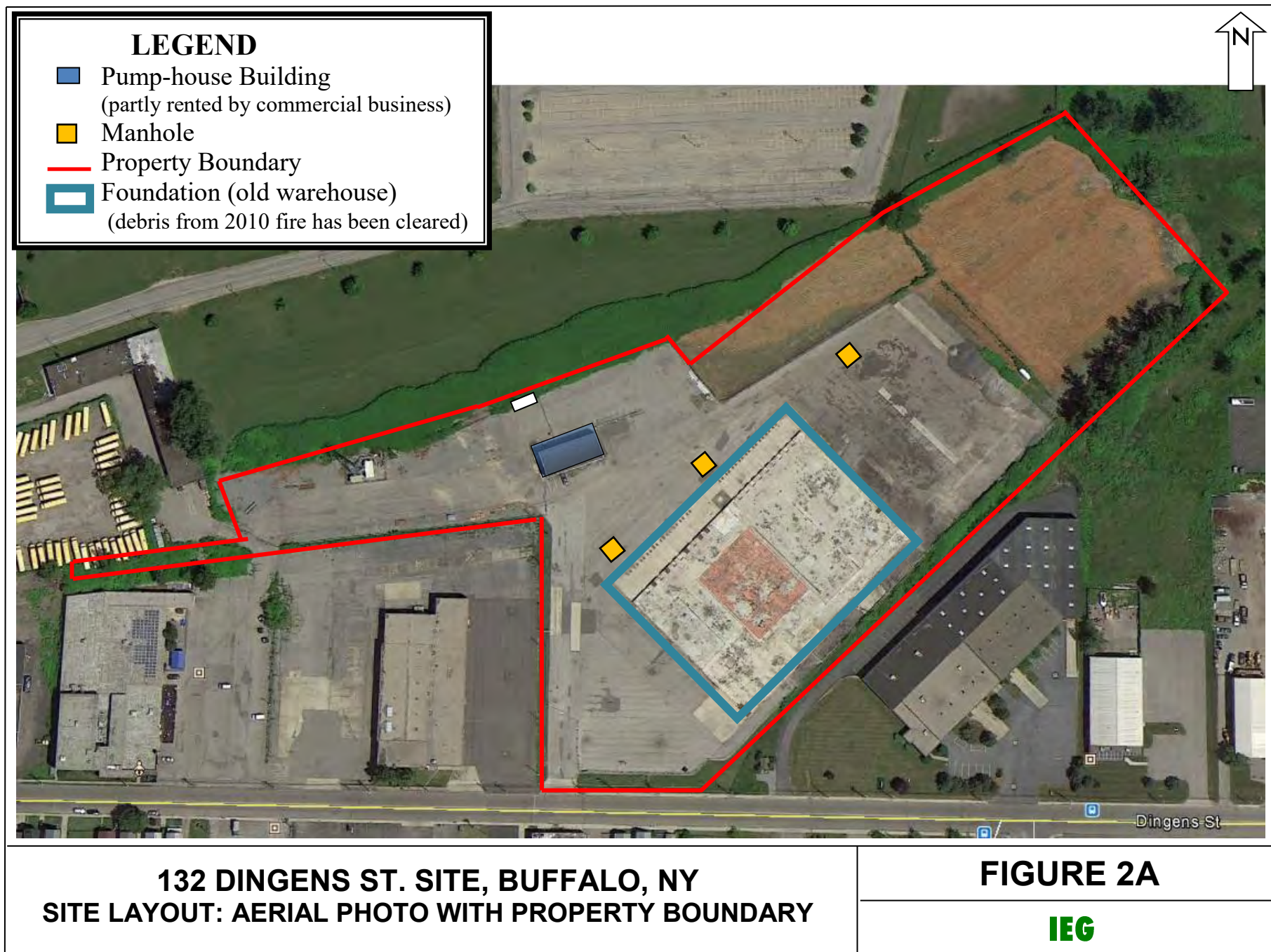
# FIGURES



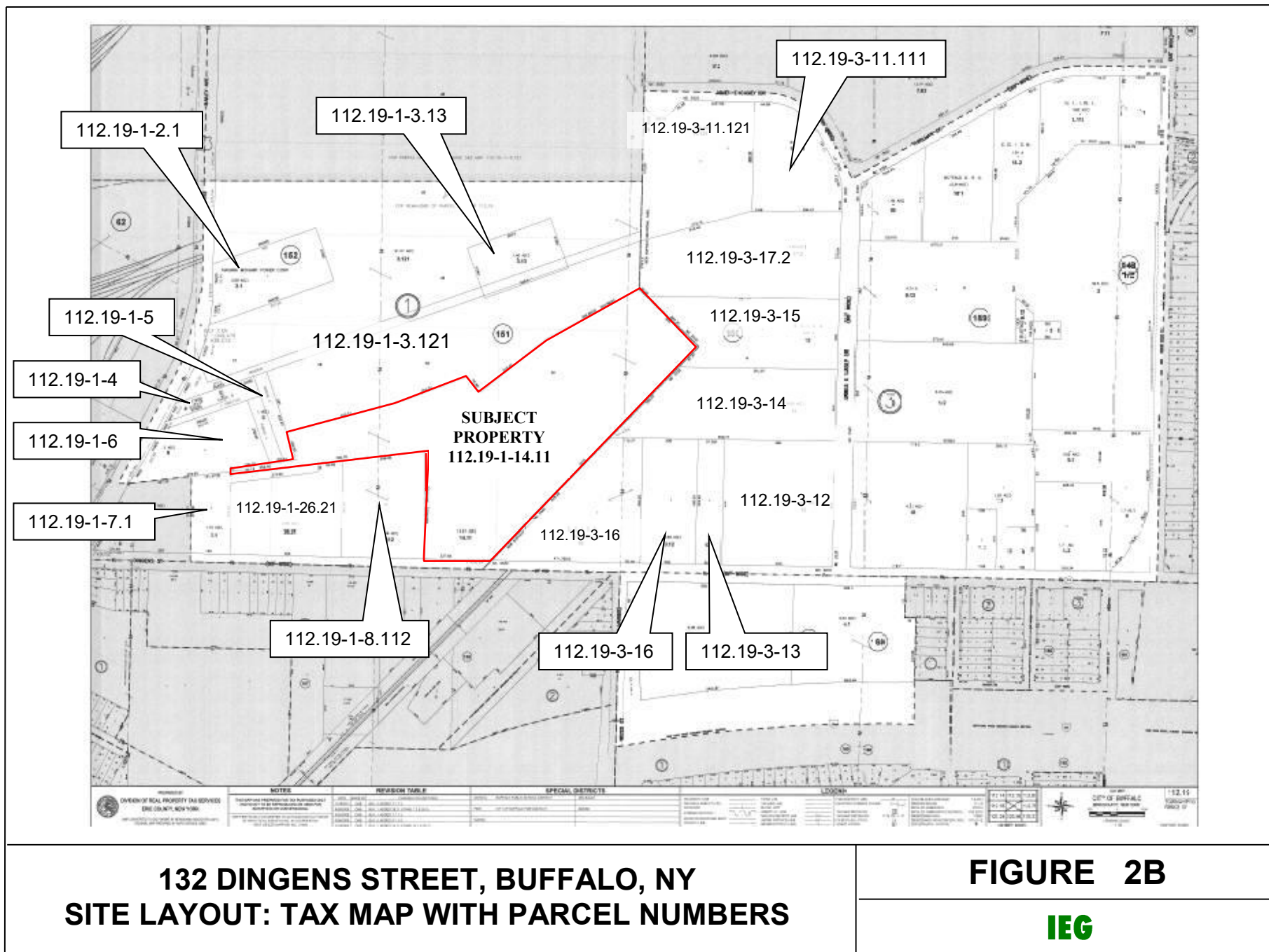
**132 DINGENS ST. SITE, BUFFALO, NY  
SITE LOCATION MAP**

**FIGURE 1**

**IEG**

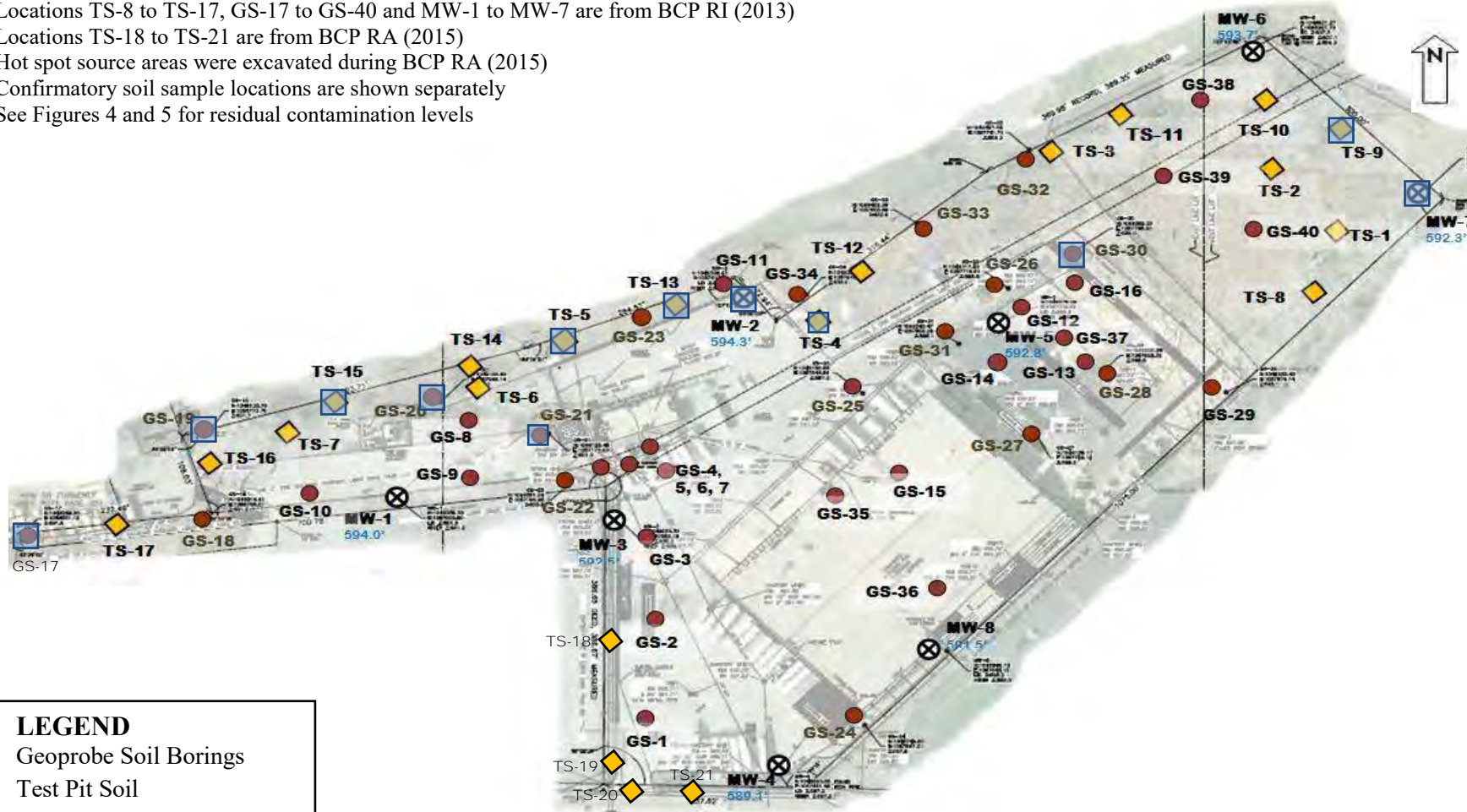






Notes:

1. GS - Geoprobe boring; TS - Test pit soil; MW – Monitoring Well boring
2. Locations TS-1 to TS-7 and GS-1 to GS-16 are from Phase II ESA (2011)
3. Locations TS-8 to TS-17, GS-17 to GS-40 and MW-1 to MW-7 are from BCP RI (2013)
4. Locations TS-18 to TS-21 are from BCP RA (2015)
5. Hot spot source areas were excavated during BCP RA (2015)
6. Confirmatory soil sample locations are shown separately
7. See Figures 4 and 5 for residual contamination levels



**LEGEND**

- Geoprobe Soil Borings
- ◆ Test Pit Soil
- ⊗ Monitoring Well borings
- Hot Spot Areas Excavated

**132 DINGENS STREET SITE, BUFFALO, NY  
SITE LAYOUT: PHASE II/RI/RA SAMPLE LOCATIONS**

**FIGURE 2C**

**IEG**

# LEGENDS/NOTES:

## COVER SYSTEM INCLUDES THE FOLLOWING:


Areas A, B, D (151,000 SF) - New crushed stone


Areas F, L, G (57,000 SF) - New asphalt

Areas C, I, J, K, M (272,000 SF) - Existing asphalt/concrete/grass


Area H (81,300 SF) - Existing foundation

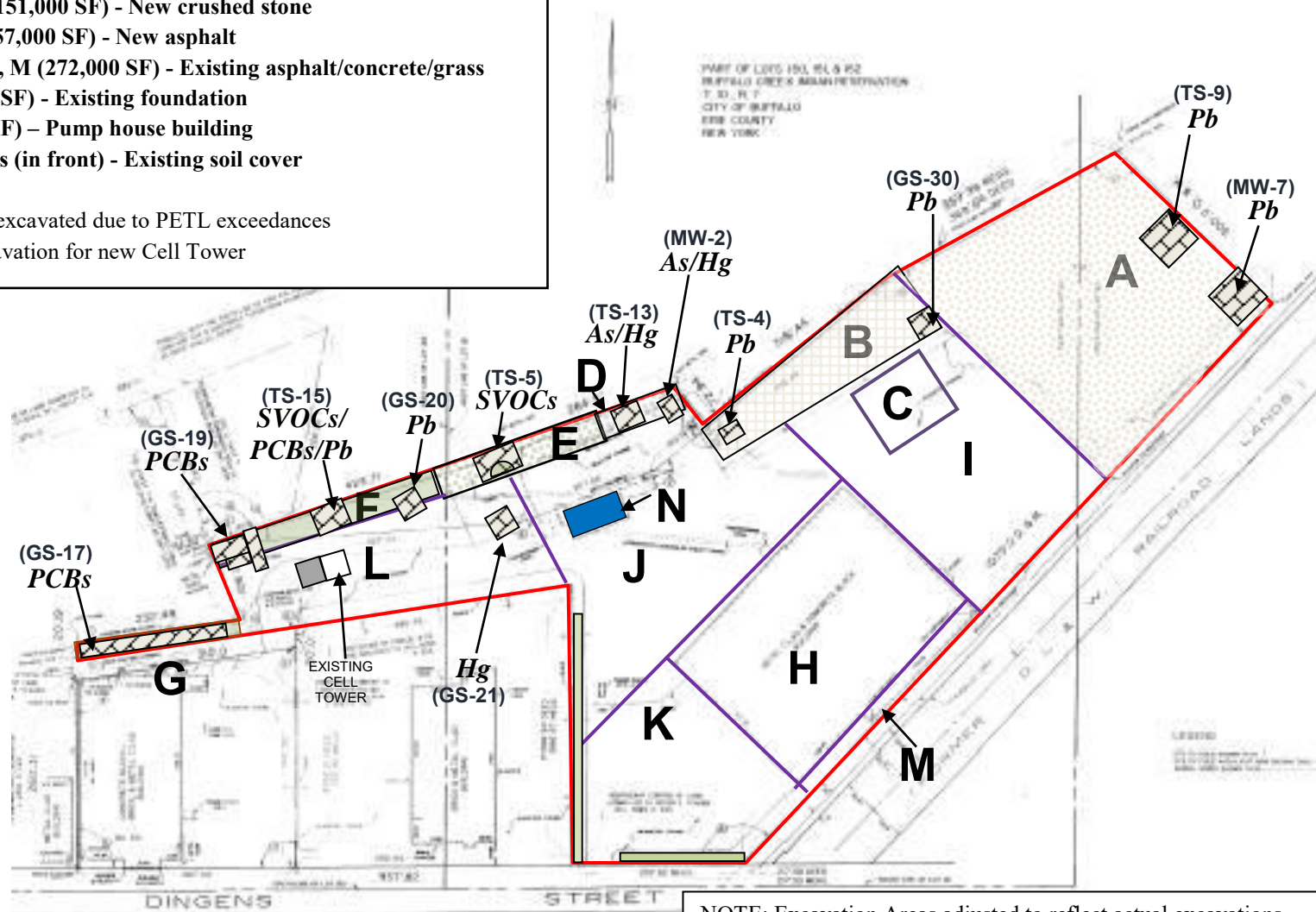
Area N (4,000 SF) - Pump house building

 Vegetated Strips (in front) - Existing soil cover

 Site Boundary

 Hot-spot areas excavated due to PETL exceedances

 Additional excavation for new Cell Tower

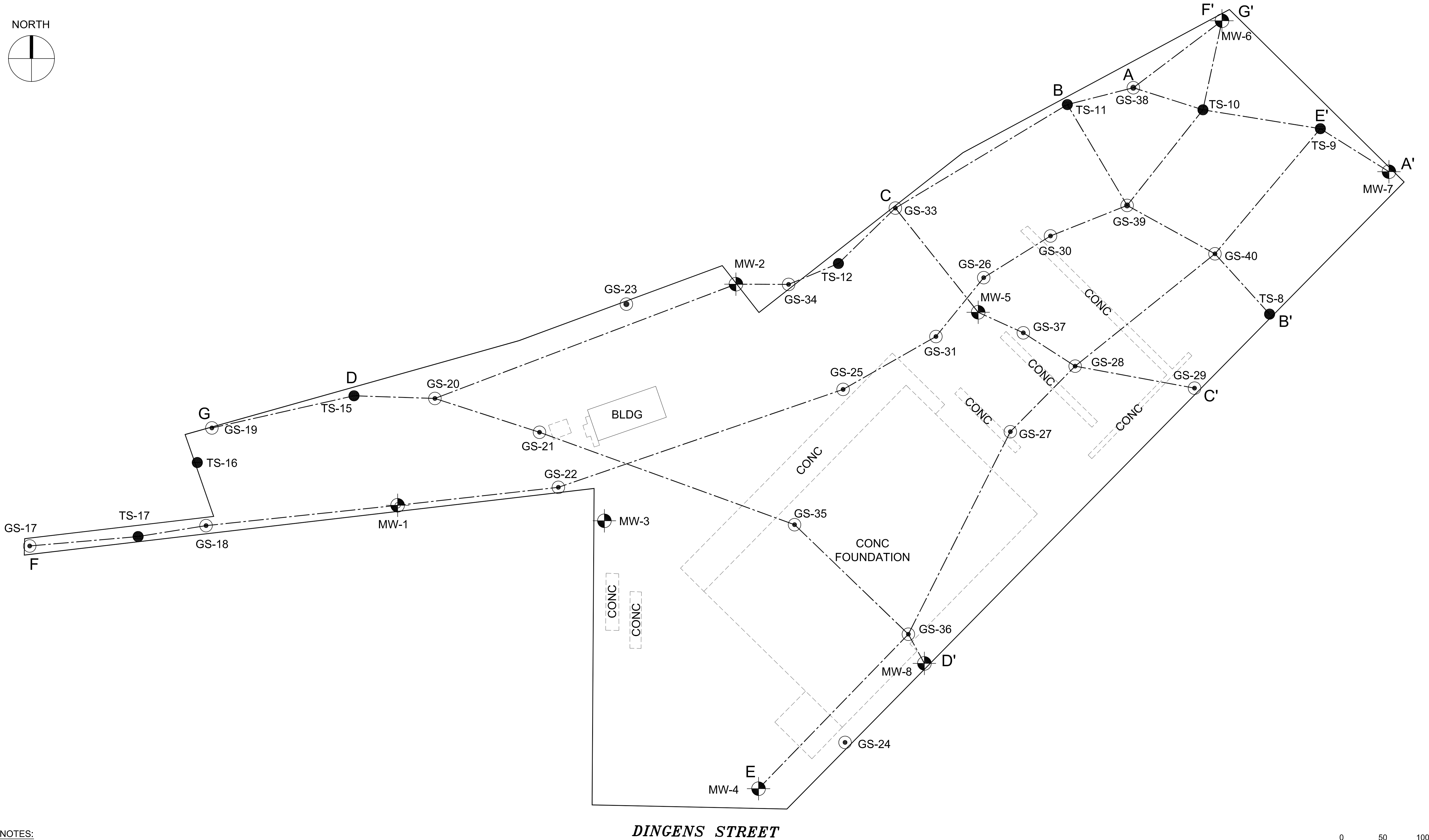
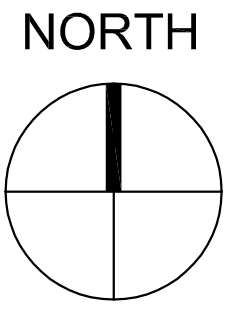


**132 DINGENS STREET, BUFFALO, NY**  
**SITE LAYOUT: HOT SPOT SOURCE AREAS EXCAVATED DURING RA**

**FIGURE 2D**

**IEG**





NOTES:  
1. GEOLOGIC DATA FROM BCP RI REPORT (2015).  
2. MONITORING WELLS (MWs) WERE DECOMMISSIONED DURING BCP REMEDIATION.



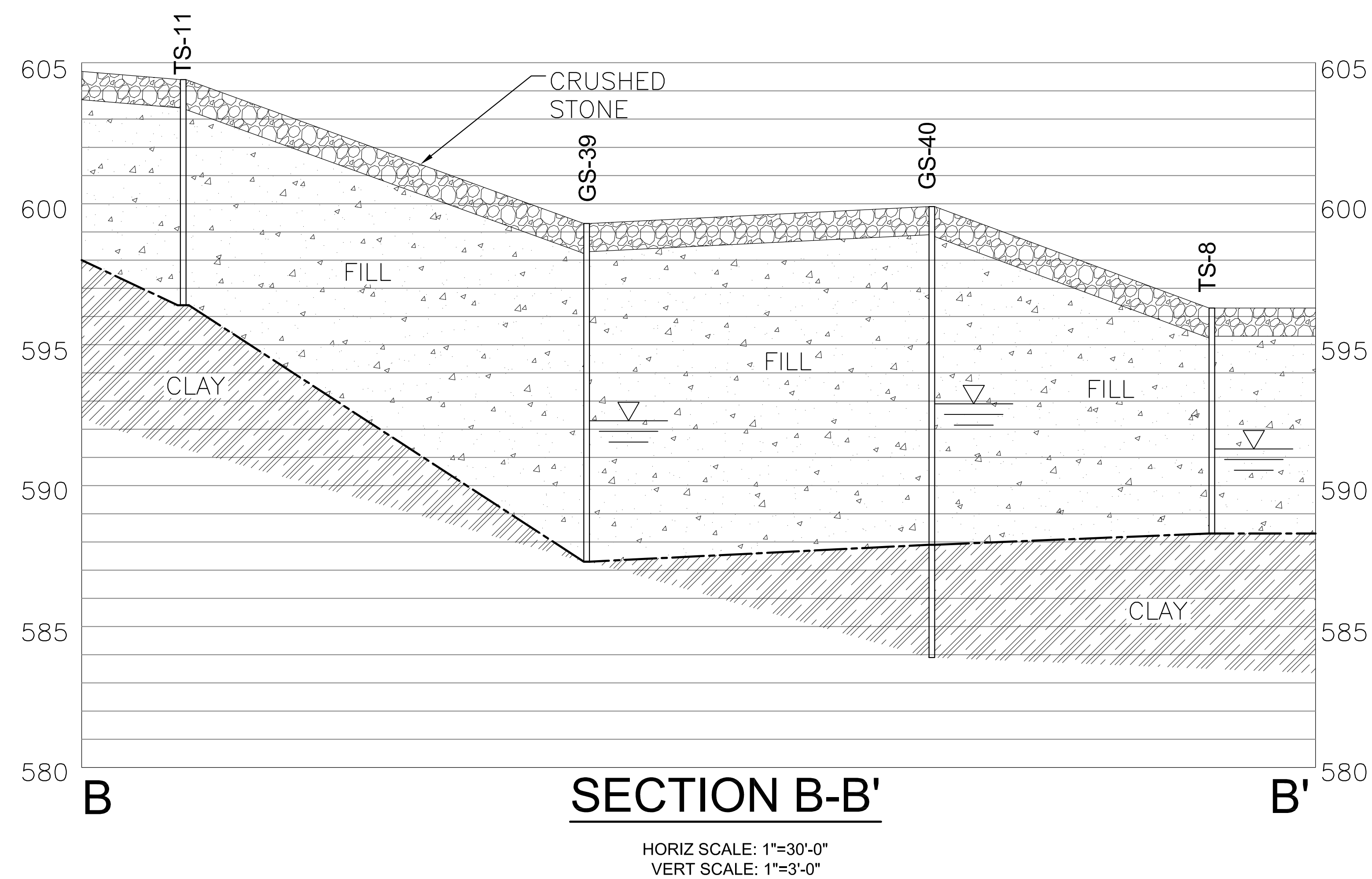
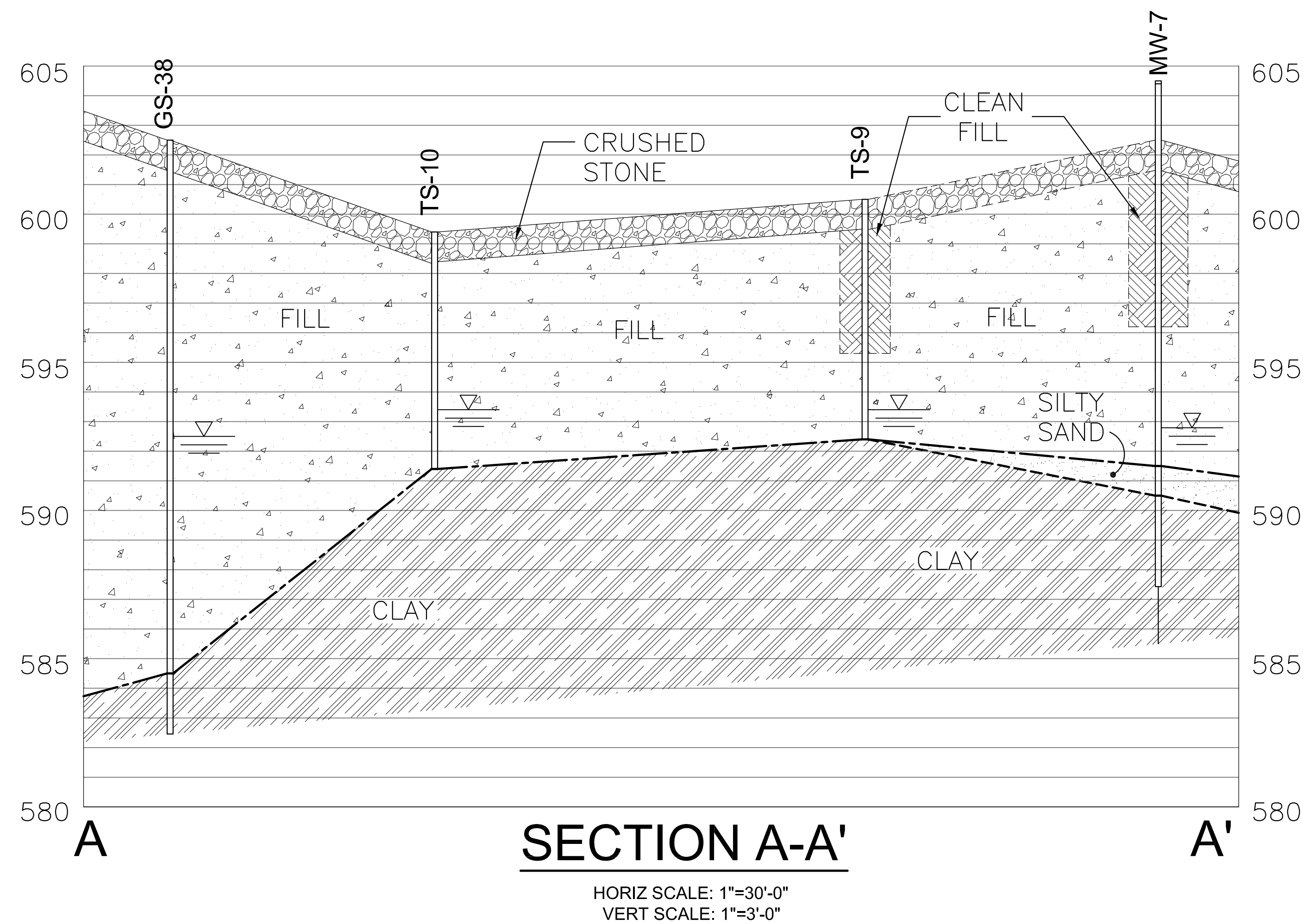
LEGEND:

- TEST PIT/SOIL BORING
- GEOPROBE/SOIL BORING
- ⊕ MONITORING WELL

SUB-SURFACE CROSS  
SECTION LOCATION PLAN  
132 DINGENS STREET  
BUFFALO, NEW YORK

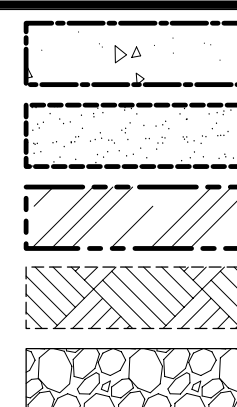
FIGURE

3-1



**LEGEND:**

TS TESTPIT/SOIL BORING  
GS GEOPROBE/SOIL BORING  
MW MONITORING WELL  
▽ WATER ELEVATION

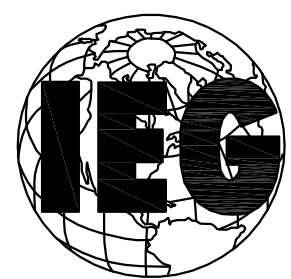
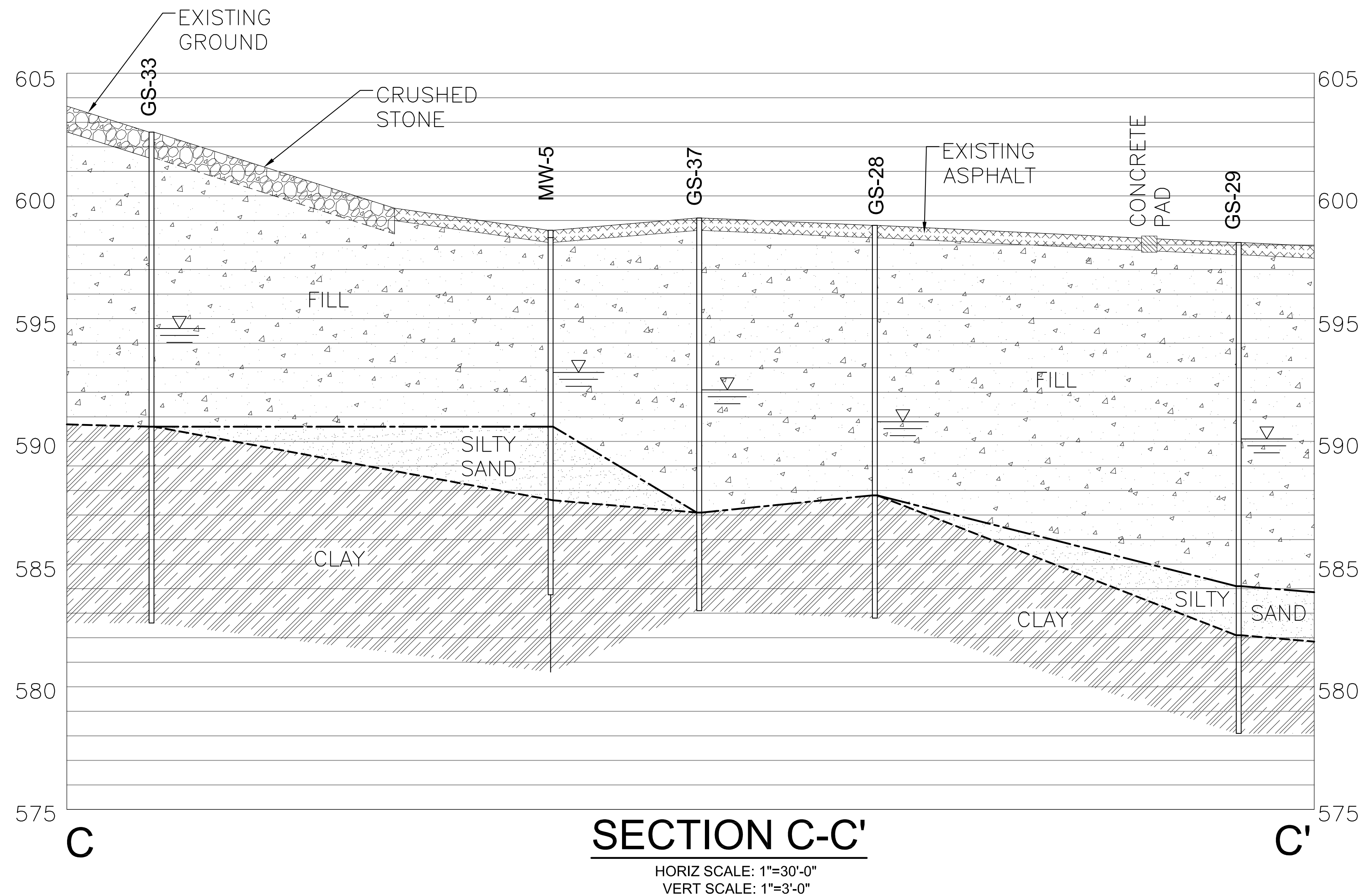


FILL  
SILTY SAND  
CLAY  
CLEAN FILL  
CRUSHED STONE

**SUB-SURFACE CROSS SECTION  
A-A' & B-B'  
132 DINGENS STREET  
BUFFALO, NEW YORK**

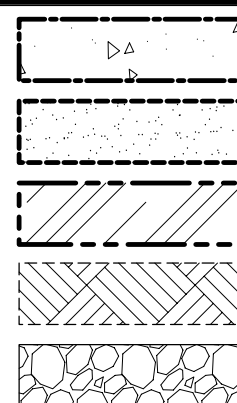
**FIGURE**

**3-2**



**LEGEND:**

TS	TESTPIT/SOIL BORING
GS	GEOPROBE/SOIL BORING
MW	MONITORING WELL
	WATER ELEVATION

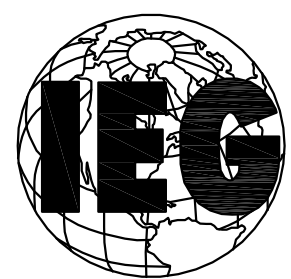
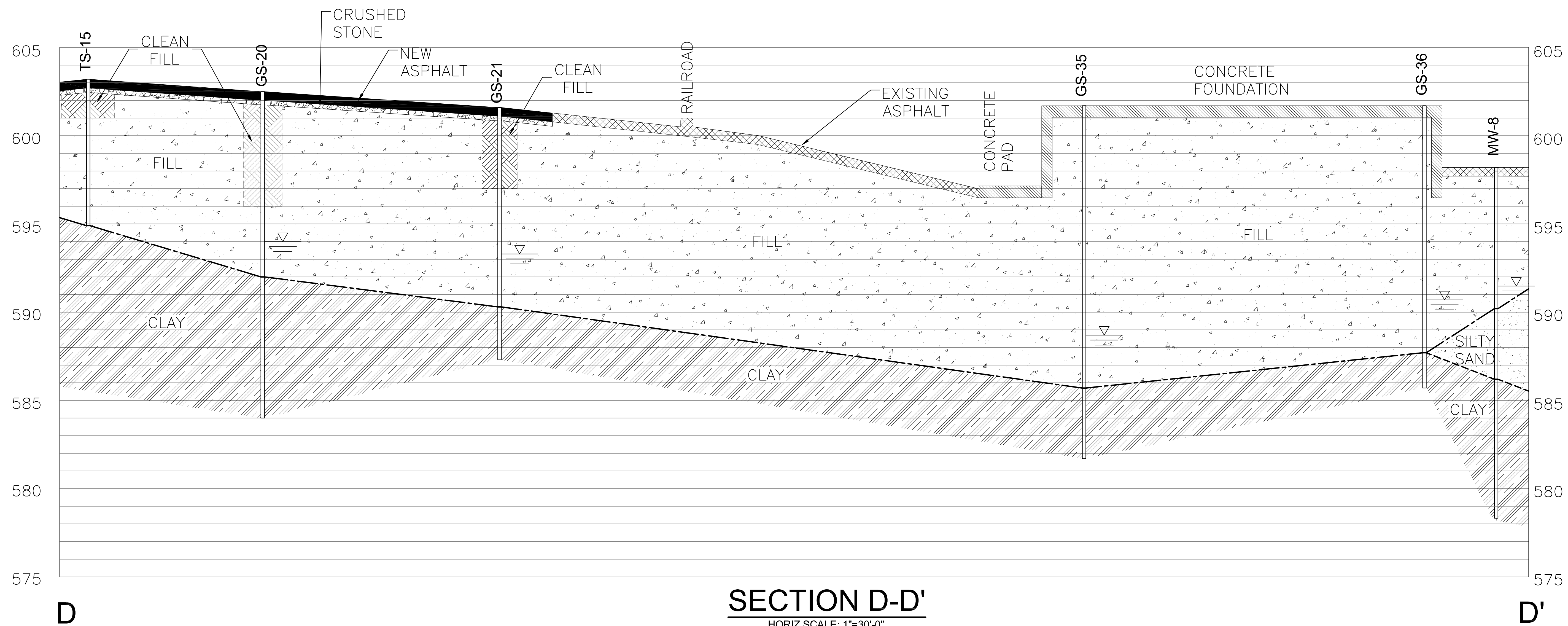


FILL
SILTY SAND
CLAY
CLEAN FILL
CRUSHED STONE

**SUB-SURFACE CROSS SECTION  
C-C'**  
**132 DINGENS STREET  
BUFFALO, NEW YORK**

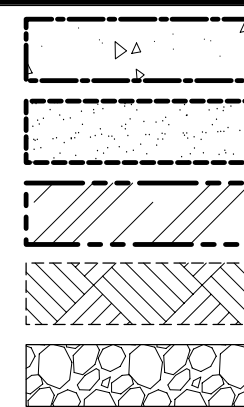
FIGURE

**3-3**



**LEGEND:**

TS SOIL BORING  
 GS SOIL BORING  
 MW MONITORING WELL  
 ▽ WATER ELEVATION

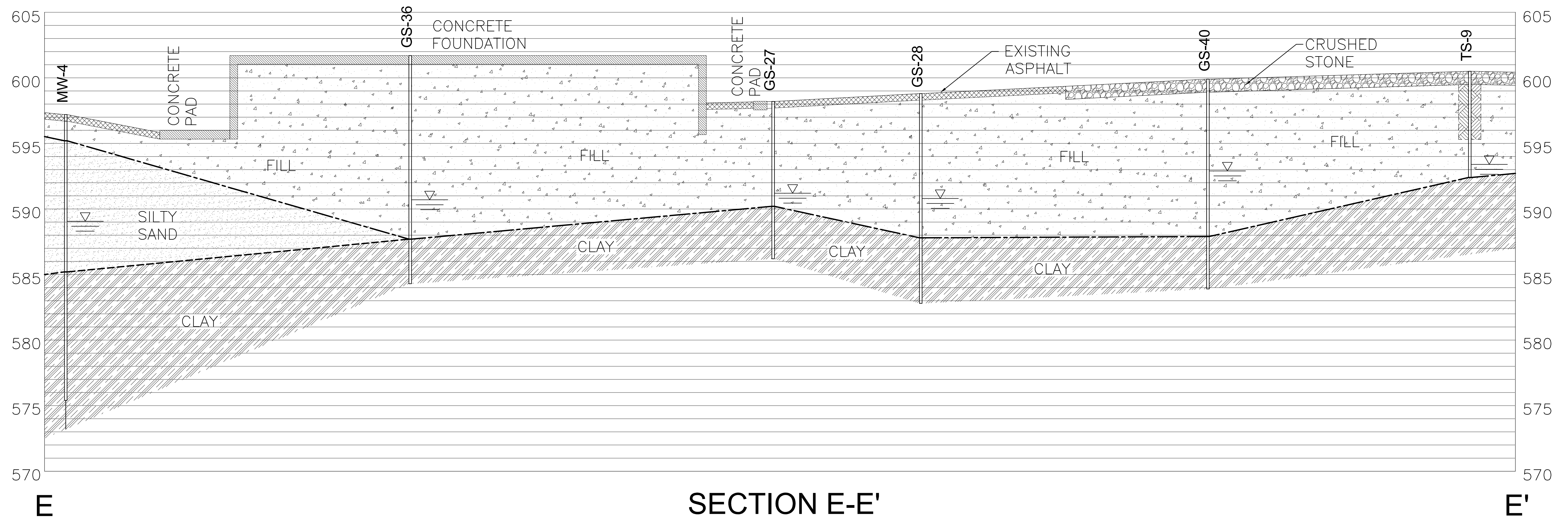


FILL  
 SILTY SAND  
 CLAY  
 CLEAN FILL  
 CRUSHED STONE

**SUB-SURFACE CROSS SECTION  
 D-D'  
 132 DINGENS STREET  
 BUFFALO, NEW YORK**

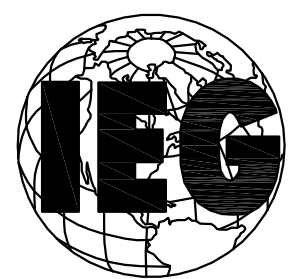
FIGURE

**3-4**



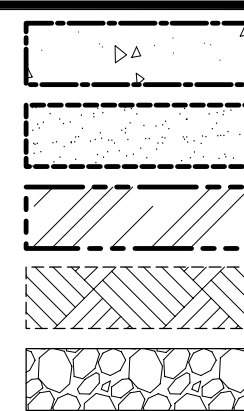
# SECTION E-E'

HORIZ SCALE: 1"=40'-0"  
VERT SCALE: 1"=4'-0"



## LEGEND:

TS SOIL BORING  
GS SOIL BORING  
MW MONITORING WELL  
▽ WATER ELEVATION

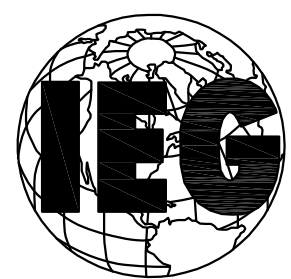
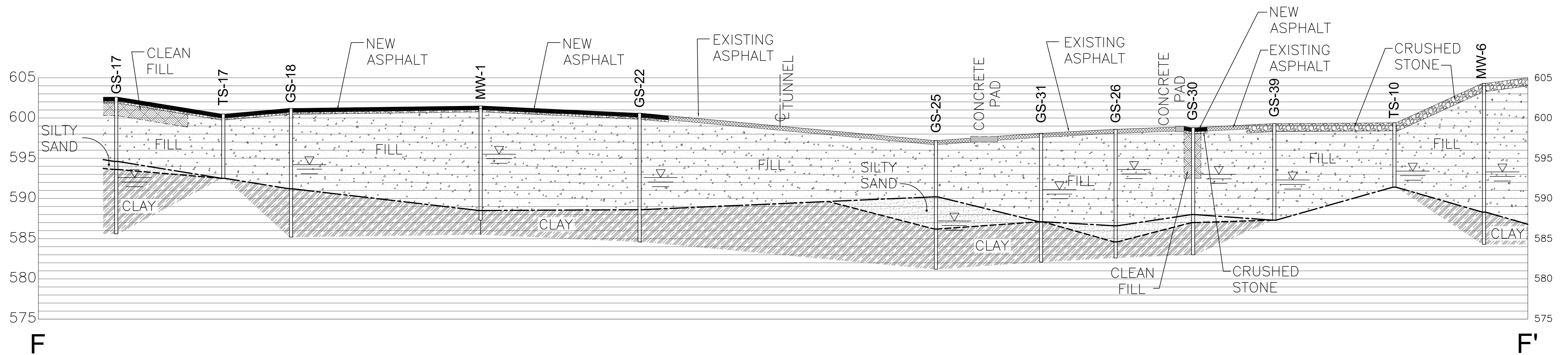


FILL  
SILTY SAND  
CLAY  
CLEAN FILL  
CRUSHED STONE

**SUB-SURFACE CROSS SECTION  
E-E'**  
**132 DINGENS STREET  
BUFFALO, NEW YORK**

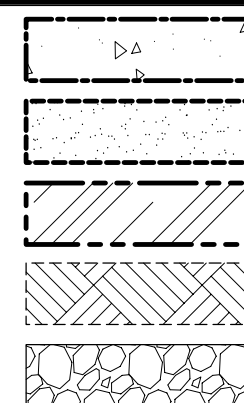
FIGURE

3-5



**LEGEND:**

TS SOIL BORING  
GS SOIL BORING  
MW MONITORING WELL  
— WATER ELEVATION



FILL  
SILTY SAND  
CLAY  
CLEAN FILL  
CRUSHED STONE

**SUB-SURFACE CROSS SECTION  
F-F'  
132 DINGENS STREET  
BUFFALO, NEW YORK**

FIGURE

**3-6**

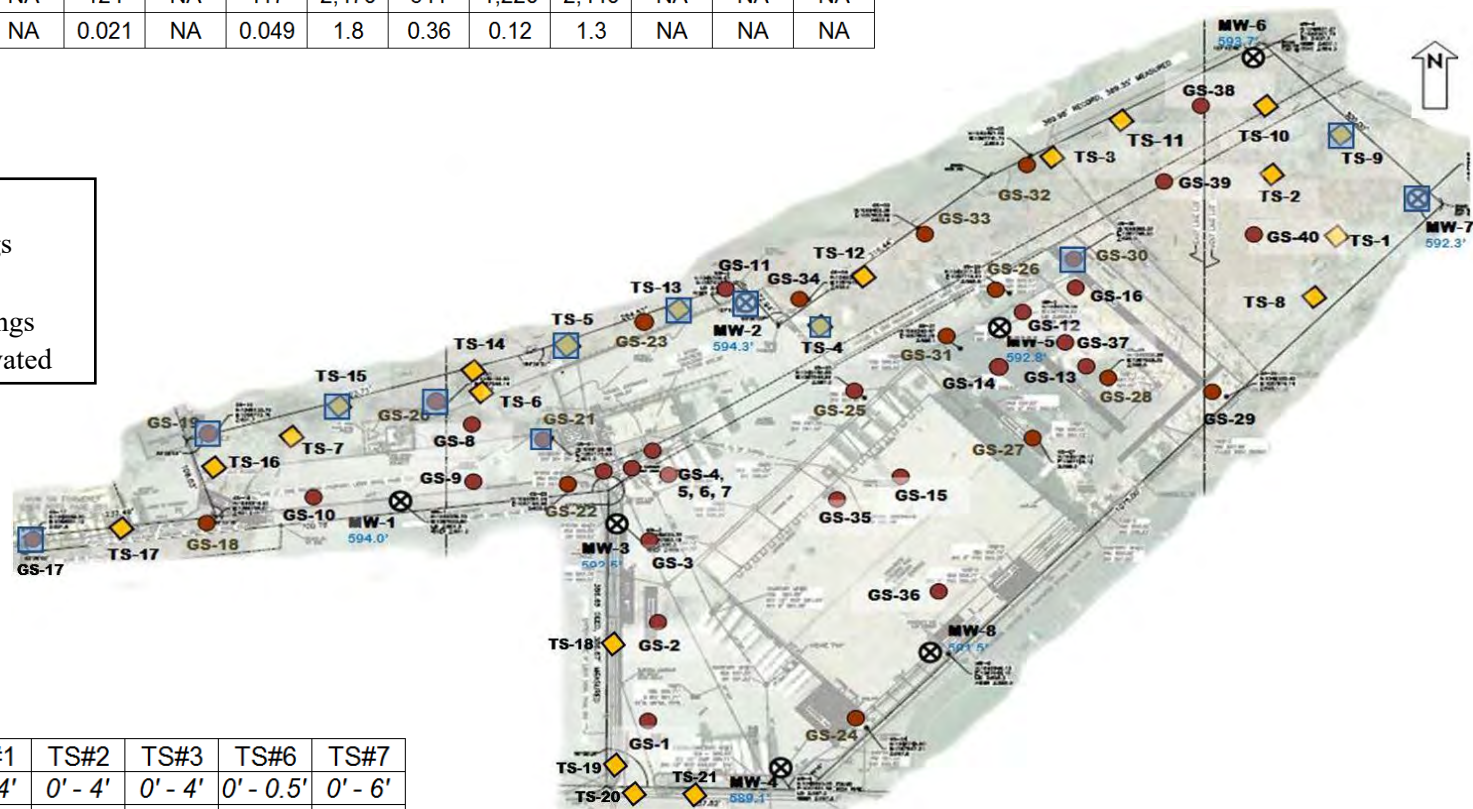




SAMPLE	PETLs	GS#1	GS#2	GS#3	GS#7	GS#8	GS#9	GS#10	GS#11	GS#12	GS#13	GS#14	GS#16
DEPTH		0' - 4'	4' - 8'	4' - 8'	8' - 12'	4' - 8'	8' - 12'	4' - 8'	4' - 8'	4' - 8'	8' - 12'	4' - 8'	8' - 12'
TOTAL SVOCs	500	0.1	1.0	0.0	0.0	56.9	5.9	0.0	2.9	261.1	1.7	5.6	4.0
TOTAL PCBs	1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	71	15.0	NA	14.1	NA	8.5	36.7	21.4	20.5	34.4	NA	NA	NA
Lead	5,000	549	NA	124	NA	417	2,470	641	1,220	2,440	NA	NA	NA
Mercury	5.7	0.051	NA	0.021	NA	0.049	1.8	0.36	0.12	1.3	NA	NA	NA

### LEGEND

- Geoprobe Soil Borings
- ◆ Test Pit Soil
- ⊗ Monitoring Well borings
- Hot Spot Areas Excavated



SAMPLE	PETLs	TS#1	TS#2	TS#3	TS#6	TS#7
DEPTH		0' - 4'	0' - 4'	0' - 4'	0' - 0.5'	0' - 6'
TOTAL SVOCs	500	10.8	2.3	1.2	NA	24.6
TOTAL PCBs	1.0	NA	NA	NA	ND	NA
Arsenic	71	25.3	15	1.5	5.1	20.4
Lead	5,000	4160	2970	6.5	40.5	1030
Mercury	5.7	0.63	0.42	ND	0.1	2.3

- Notes:
1. Remaining contamination shown on this figure is below CSCOs/PETLs for this site
  2. Concentrations are in mg/Kg; sample depths in feet bgs
  3. NA=Not analyzed; ND=Not Detected
  4. See Figure 5 for confirmatory soil results at hot spot excavations during RA
  5. See Appendix G for full listing of analytical results from RI Report (2015)

## 132 DINGENS STREET SITE, BUFFALO, NY REMAINING CONTAMINATION – PHASE II SOILS

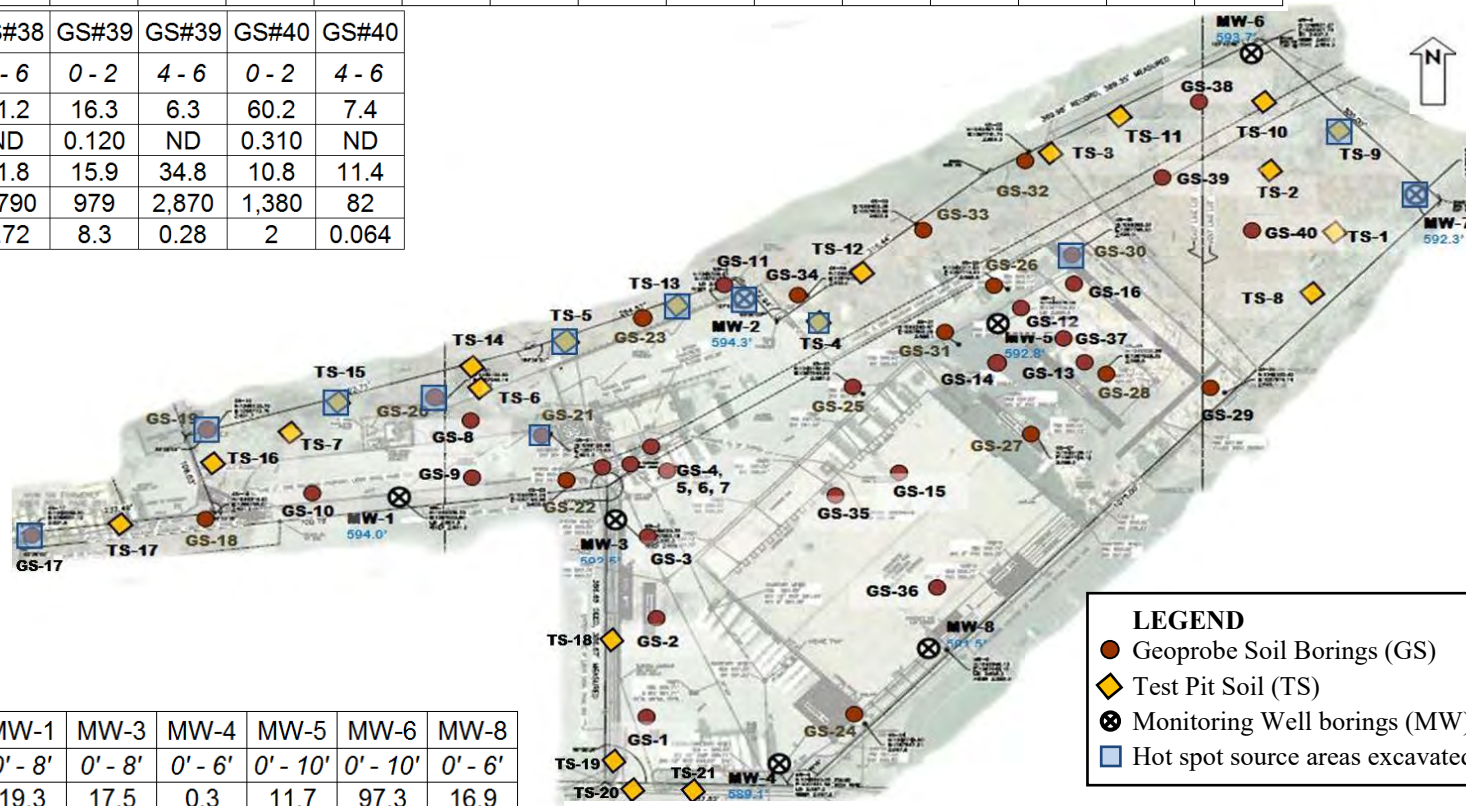
## FIGURE 4A

IEG



SAMPLE	PETLs	GS#18	GS#22	GS#23	GS#24	GS#25	GS#26	GS#27	GS#28	GS#29	GS#31	GS#32	GS#33	GS#34	GS#35	GS#36
DEPTH		0 - 5	2 - 6	4 - 8	1 - 5	1 - 5	1 - 5	1 - 5	1 - 5	1 - 5	1 - 5	1 - 5	1 - 5	1 - 5	6 - 8	9 - 10
TOTAL SVOCs	500	62.6	24.6	14.7	9.8	6.5	0.1	8.5	1.8	15.2	6.9	231.1	94.5	21.5	13.9	4.5
TOTAL PCBs	1.0	0.717	ND	ND	ND	ND	0.190	ND	0.140	ND	ND	ND	ND	ND	ND	ND
Arsenic	71	43.1	34.8	10.8	11.4	6.7	2.3	10.0	27.8	2.8	9.7	19.0	21.1	37.2	12.3	43.1
Lead	5,000	165	2,870	1,380	82	229	93	433	2,370	25	1,320	3,150	2,640	1,040	1,080	165
Mercury	5.7	0.087	0.28	2	0.064	0.045	0.02	1.1	3.6	0.063	1.3	0.37	0.44	0.54	0.85	0.087

SAMPLE	GS#37	GS#38	GS#39	GS#39	GS#40	GS#40
DEPTH	4 - 6	4 - 6	0 - 2	4 - 6	0 - 2	4 - 6
TOTAL SVOCs	4.1	91.2	16.3	6.3	60.2	7.4
TOTAL PCBs	ND	ND	0.120	ND	0.310	ND
Arsenic	14.5	21.8	15.9	34.8	10.8	11.4
Lead	1,760	9,790	979	2,870	1,380	82
Mercury	0.57	0.72	8.3	0.28	2	0.064



SAMPLE	PETLs	MW-1	MW-3	MW-4	MW-5	MW-6	MW-8
DEPTH		0' - 8'	0' - 8'	0' - 6'	0' - 10'	0' - 10'	0' - 6'
TOTAL SVOCs	500	19.3	17.5	0.3	11.7	97.3	16.9
TOTAL PCBs	1.0	ND	ND	ND	ND	0.088	ND
Arsenic	71	7.8	14.4	11.0	8.7	17.0	19.5
Lead	5,000	126	1,170	19	1,330	480	180
Mercury	5.7	1.60	0.80	ND	0.65	0.44	0.26

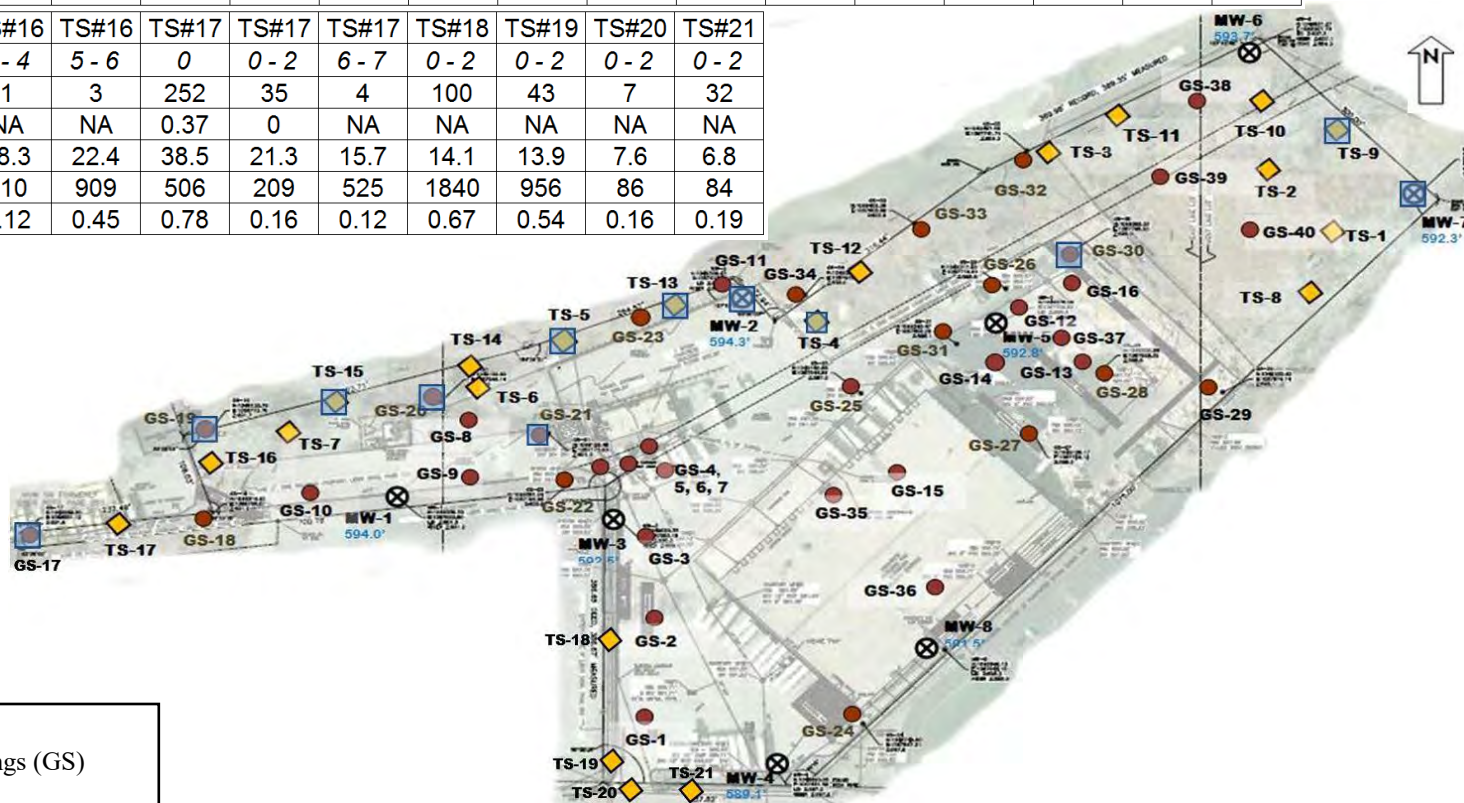
## 132 DINGENS STREET SITE, BUFFALO, NY REMAINING CONTAMINATION – RI SOIL BORINGS

**FIGURE 4B**

**IEG**

SAMPLE	PETLs	TS#8	TS#8	TS#8	TS#10	TS#10	TS#10	TS#11	TS#11	TS#11	TS#12	TS#12	TS#12	TS#14	TS#14	TS#14
DEPTH		0	2	6 - 7	0	2 - 4	4 - 7	0	1 - 4	5 - 8	0	0 - 2	2 - 8	0	0 - 2	4 - 8
TOTAL SVOCs	500	36	44	2.7	66	5	1	372	19	20	121	88	1	72	48	107
TOTAL PCBs	1.0	0	0.28	NA	0.08	NA	NA	0	0.25	0.71	0	0	0	0.20	NA	NA
Arsenic	71	13.4	22.8	11.4	23.1	18.2	11.6	17.8	11.8	6.6	13.5	18.9	18	12.1	16.1	15.2
Lead	5,000	1010	2760	241	1430	262	29.5	332	307	414	515	1630	1530	821	1120	1260
Mercury	5.7	1.6	0.6	0.16	0.91	0.06	0.014 J	0.22	0.51	0.15	0.38	0.7	0.34	0.46	1.1	1.4

SAMPLE	PETLs	TS#16	TS#16	TS#17	TS#17	TS#17	TS#18	TS#19	TS#20	TS#21
DEPTH		3 - 4	5 - 6	0	0 - 2	6 - 7	0 - 2	0 - 2	0 - 2	0 - 2
TOTAL SVOCs	500	1	3	252	35	4	100	43	7	32
TOTAL PCBs	1.0	NA	NA	0.37	0	NA	NA	NA	NA	NA
Arsenic	71	18.3	22.4	38.5	21.3	15.7	14.1	13.9	7.6	6.8
Lead	5,000	410	909	506	209	525	1840	956	86	84
Mercury	5.7	0.12	0.45	0.78	0.16	0.12	0.67	0.54	0.16	0.19



#### LEGEND

- Geoprobe Soil Borings (GS)
- ◆ Test Pit Soil (TS)
- ⊗ Monitoring Well borings (MW)
- Hot spot source areas excavated

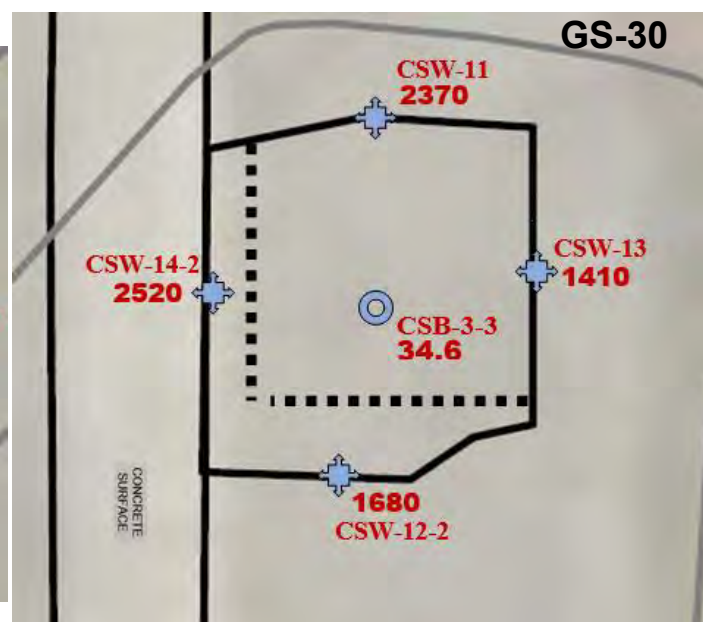
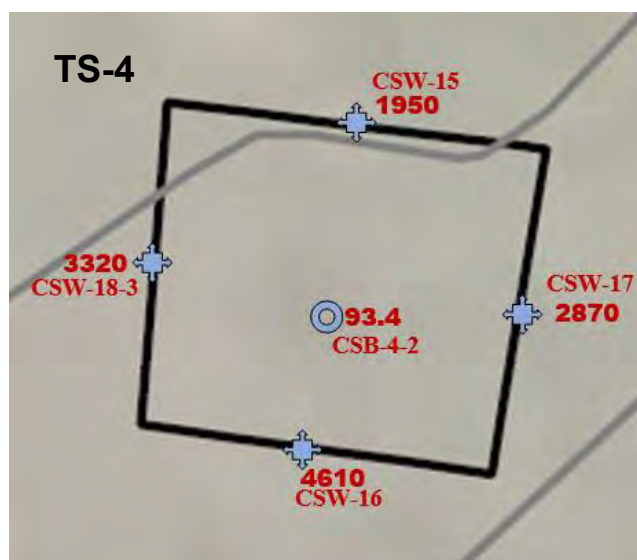
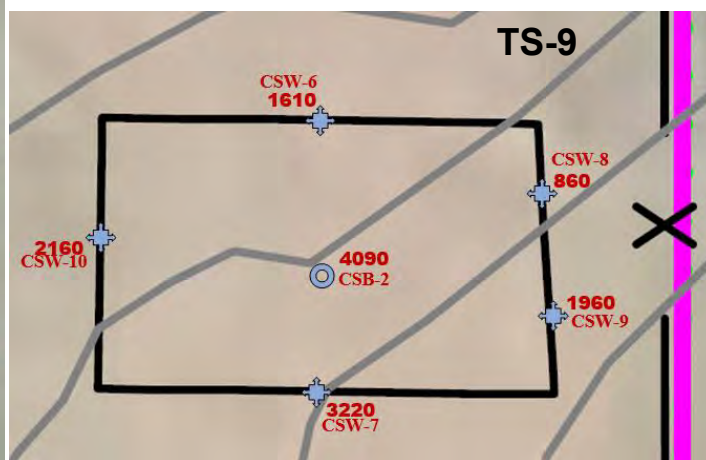
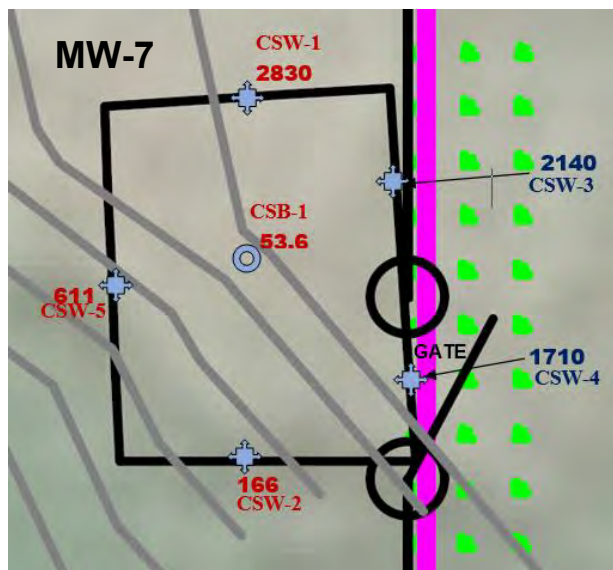
- Notes:
1. Remaining contamination shown on this figure is below CSCOs/PETLs for this site
  2. Concentrations are in mg/Kg; sample depths in feet bgs
  3. NA=Not analyzed; ND=Not Detected; TS-8 to 17 from RI and TS-18 to 21 from RA
  4. See Figure 5 for confirmatory soil results at hot spot excavations during RA
  5. See Appendix G for full listing of analytical results

**132 DINGENS STREET SITE, BUFFALO, NY  
REMAINING CONTAMINATION – RI/RA TEST PITS**

**FIGURE 4C**

**IEG**





### LEGEND

- Limits of excavation
- Property Boundary
- Fence
- CSW – Confirmatory soil wall samples
- CSB – Confirmatory soil bottom samples
- Vegetation
- Intermediate excavation
- 4610 Total Lead mg/Kg (within property)
- 1710 Total Lead mg/Kg (property boundary)



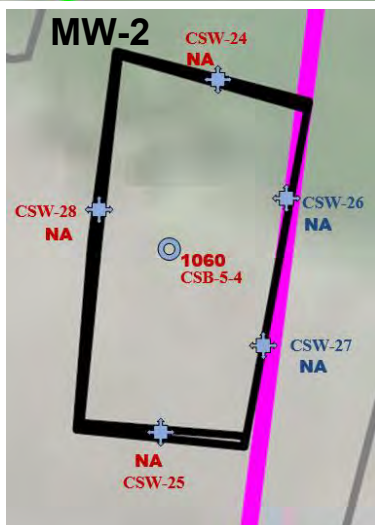
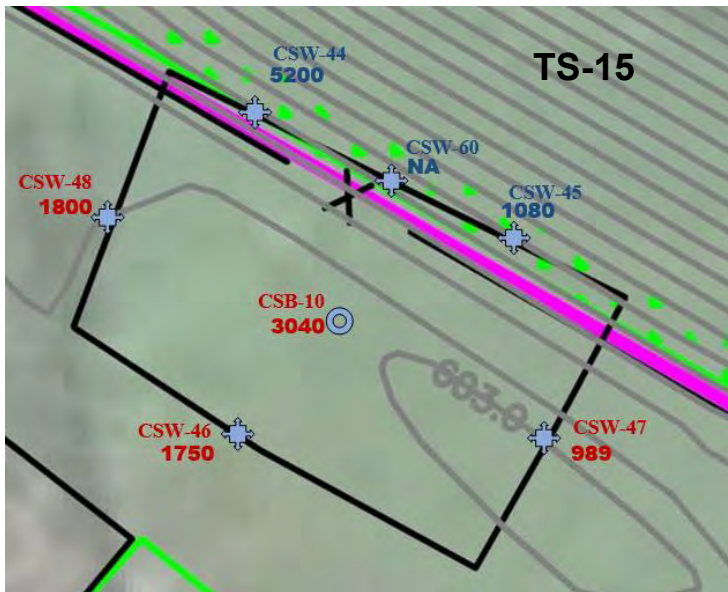
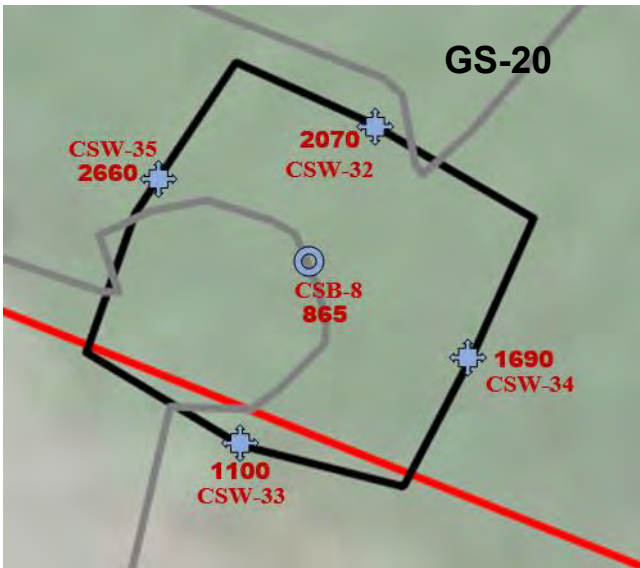
**PETL:**  
Pb = 5000 mg/Kg

Note: Remaining contamination shown is below PETL for this site

**132 DINGENS STREET SITE, BUFFALO, NY  
REMAINING SOIL CONTAMINATION  
RA FINAL CONFIRMATORY SAMPLES - LEAD**

**FIGURE 5A-1**

**IEG**



**PETL:**  
Pb = 5000 mg/Kg

#### LEGEND

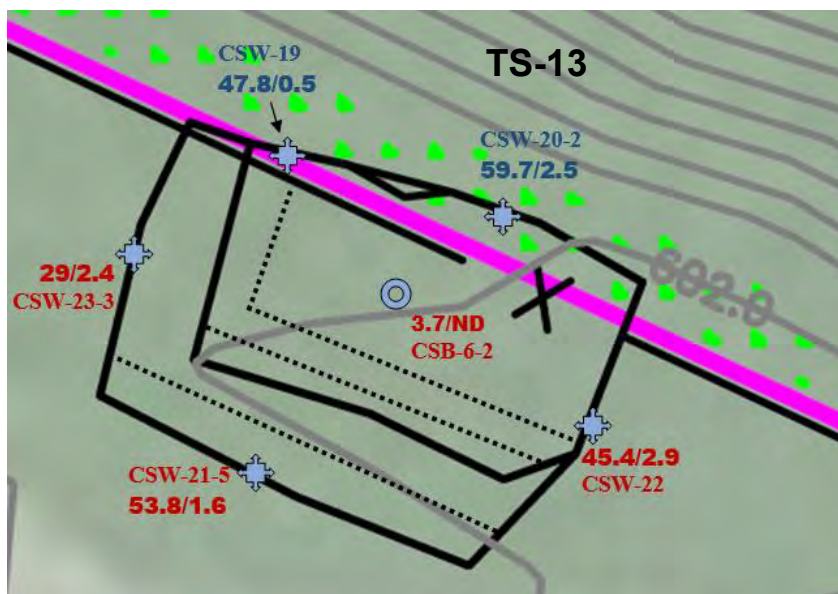
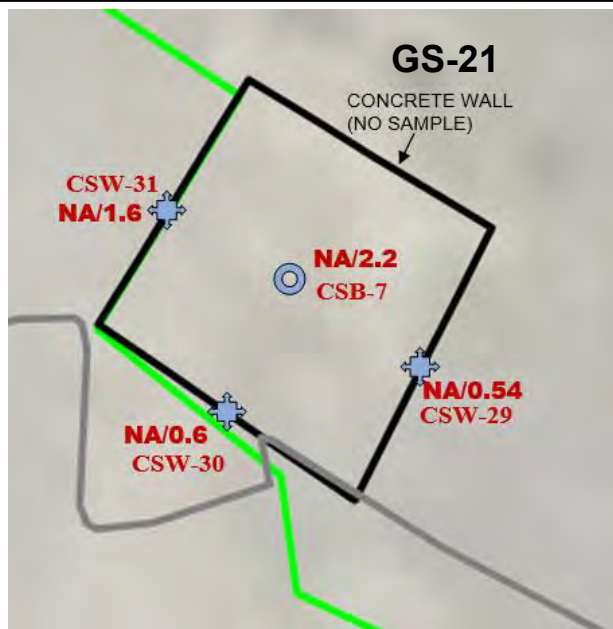
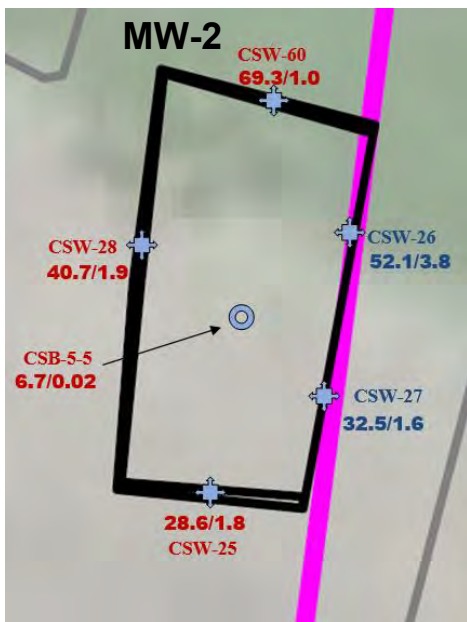
- Limits of excavation
- Property Boundary
- Fence
- Overhead electric
- CSW – Confirmatory soil wall samples
- CSB – Confirmatory soil bottom samples
- Vegetation
- 3040 Total Lead mg/Kg (within property)
- 1080 Total Lead mg/Kg (property boundary)
- (NA = Not analyzed)

Note: Remaining contamination shown is below PETL for this site

**132 DINGENS STREET SITE, BUFFALO, NY  
REMAINING SOIL CONTAMINATION  
RA FINAL CONFIRMATORY SAMPLES - LEAD**

**FIGURE 5A-2**

**IEG**



### LEGEND

- Limits of excavation
- Property Boundary
- Fence
- Overhead electric
- CSW – Confirmatory soil wall samples
- CSB – Confirmatory soil bottom samples
- Vegetation
- Intermediate excavation
- 53.8/1.6 Total As/Hg mg/Kg (within property)
- 59.7/2.5 Total As/Hg mg/Kg (property boundary)
- (NA = Not Analyzed)



### PETLs:

As = 71 mg/Kg  
Hg = 5.7 mg/Kg

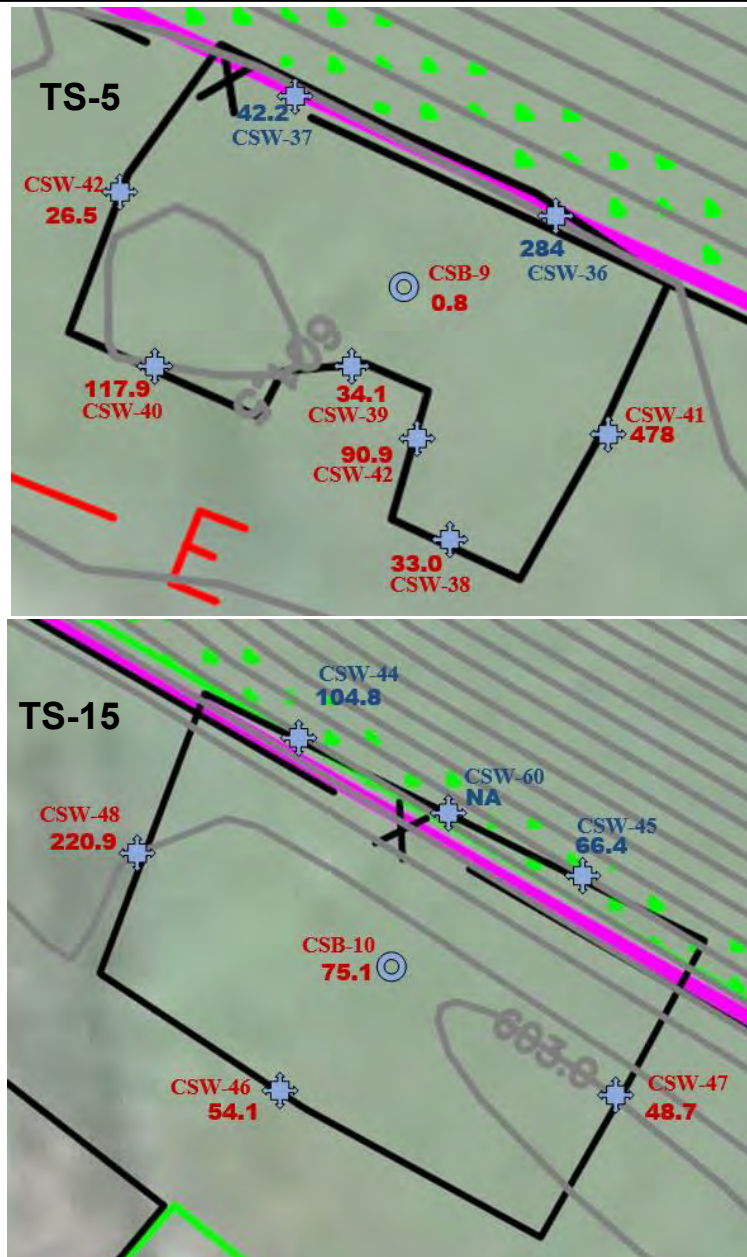
Note:  
Remaining contamination shown is below PETL for this site

**132 DINGENS STREET SITE, BUFFALO, NY**  
**REMAINING SOIL CONTAMINATION**  
**RA FINAL CONFIRMATORY SAMPLES – ARSENIC/MERCURY**

**FIGURE 5B**

**IEG**





## LEGEND

- Limits of excavation
- Property Boundary
- Overhead electric
- ✕ Fence
- Delineates existing/new asphalt
- ◆ CSW – Confirmatory soil wall samples
- ⊙ CSB – Confirmatory soil bottom samples
- Vegetation
- 75.1 Total SVOCs mg/Kg (within property)
- 66.4 Total SVOCs mg/Kg (property boundary)
- (NA = Not analyzed)



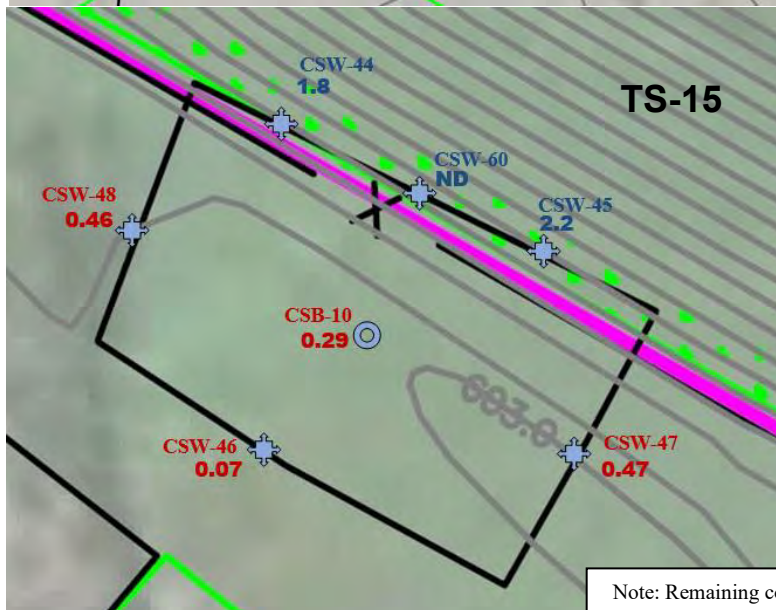
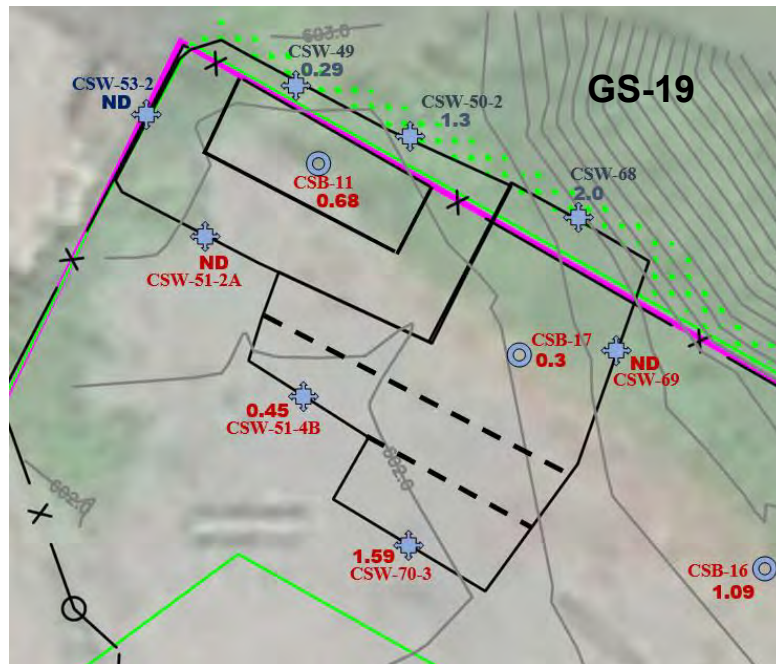
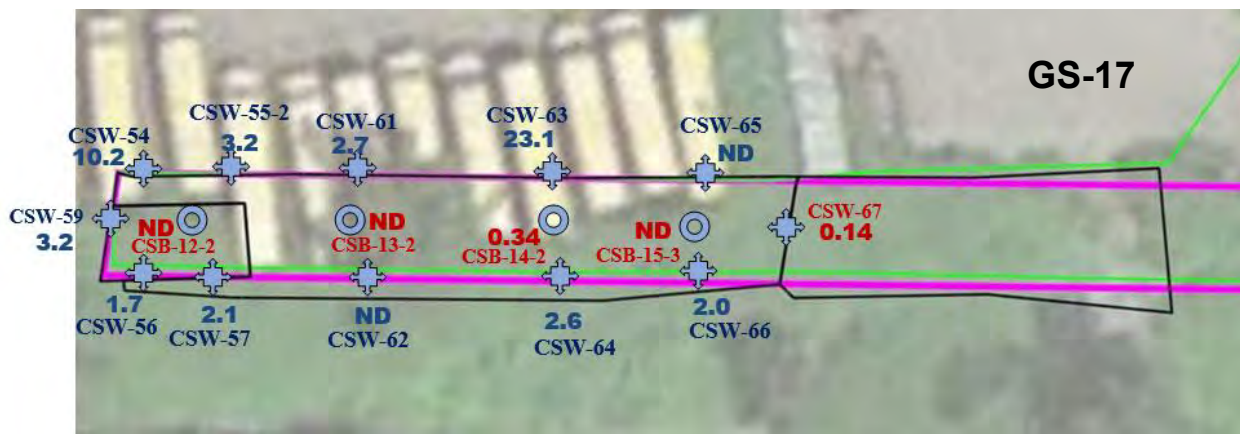
**PETL:**  
SVOCs = 500 mg/Kg

Note: Remaining contamination shown is below PETL for this site

**132 DINGENS STREET SITE, BUFFALO, NY  
REMAINING SOIL CONTAMINATION  
RA CONFIRMATORY SAMPLES - SVOCs**

**FIGURE 5C**

**IEG**



**PETL:**  
PCBs = 1 mg/Kg

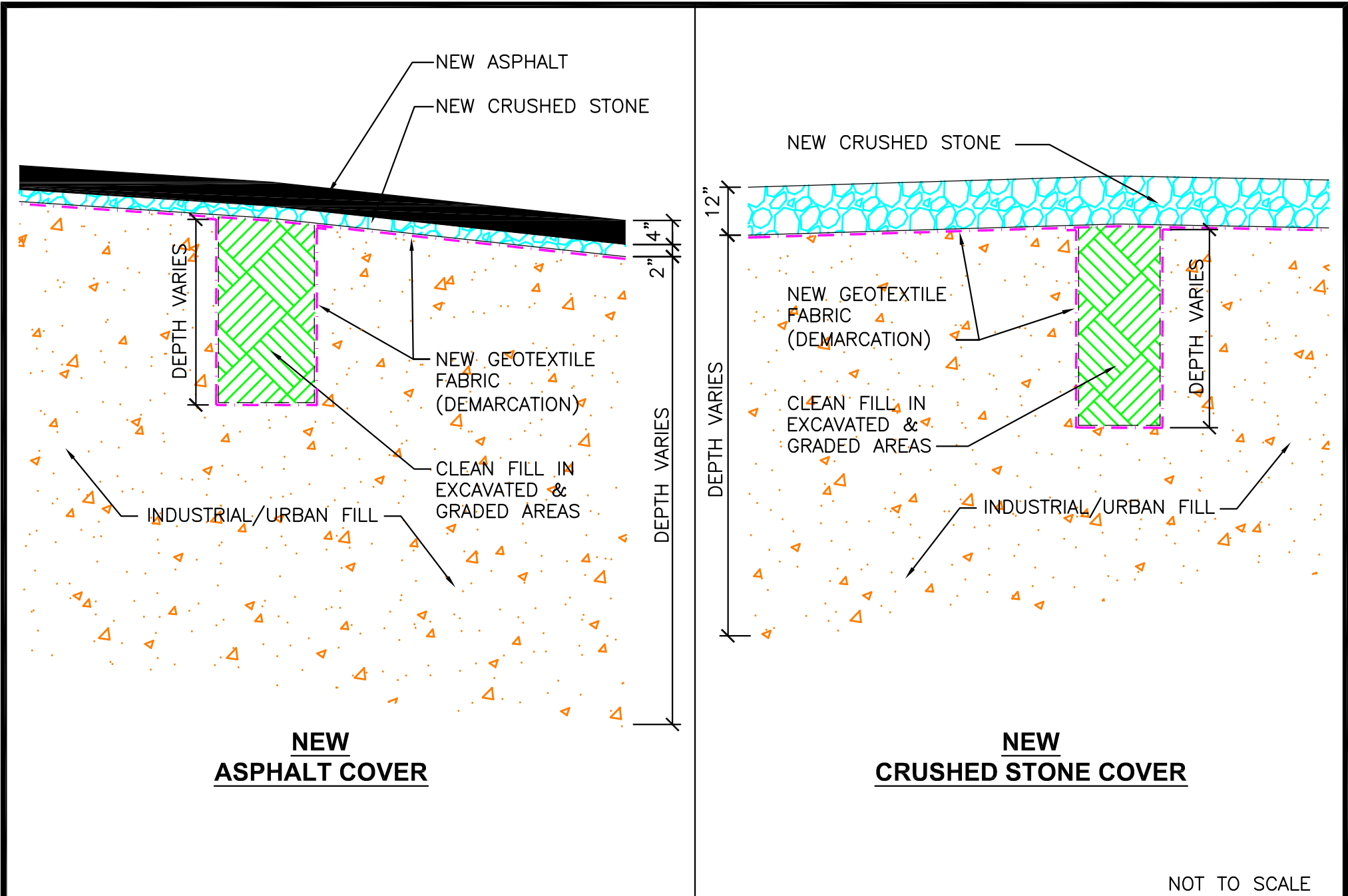
- LEGEND**
- Limits of excavation
  - Property Boundary
  - ✕ Fence
  - CSW – Confirmatory soil wall samples
  - CSB – Confirmatory soil bottom samples
  - Vegetation
  - Intermediate excavation
  - 0.29 Total PCBs mg/Kg (within property)
  - 2.2 Total PCBs mg/Kg (property boundary)

Note: Remaining contamination shown is below PETL for this site except 1 sample

**132 DINGENS STREET SITE, BUFFALO, NY  
REMAINING SOIL CONTAMINATION  
RA FINAL CONFIRMATORY SAMPLES - PCBs**

**FIGURE 5D**

**IEG**

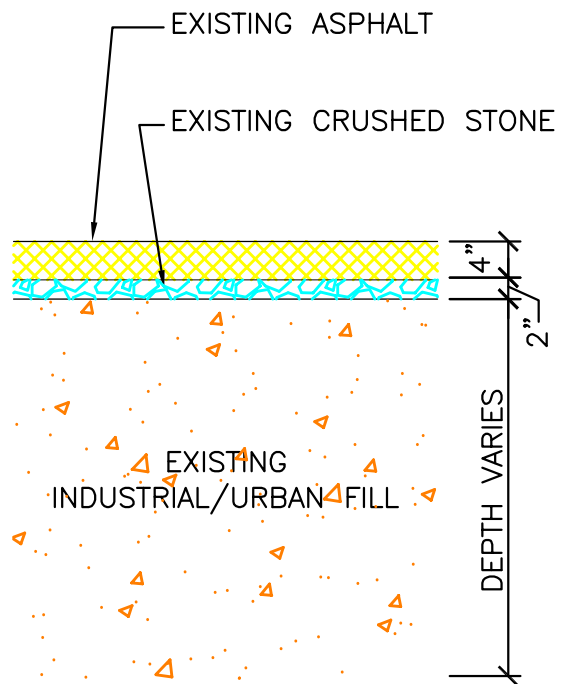


ENGINEERING CONTROLS - NEW COVER SYSTEM  
132 DINGENS STREET  
BUFFALO, NEW YORK

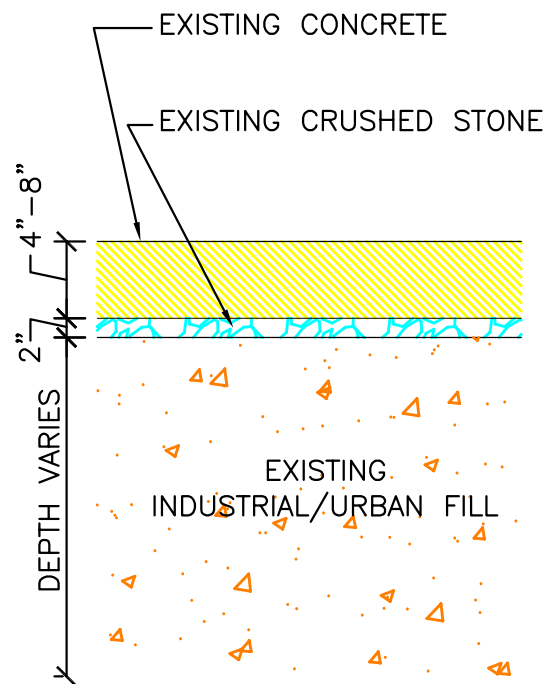
FIGURE 6A



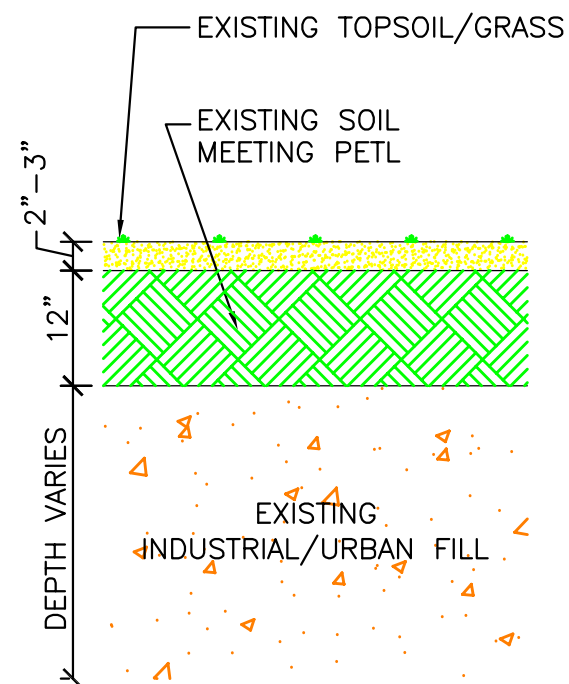




**EXISTING  
ASPHALT COVER**



**EXISTING  
CONCRETE COVER**



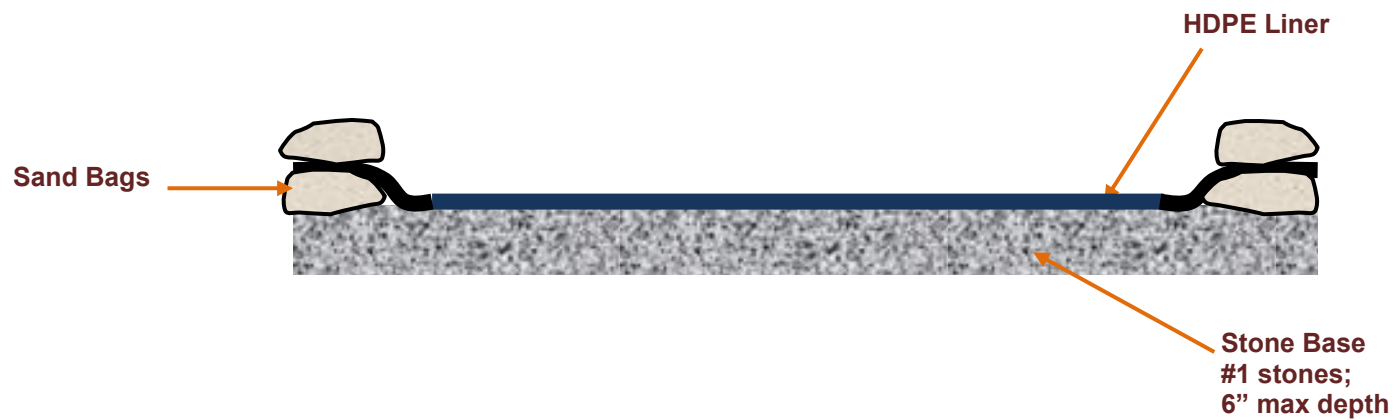
**EXISTING  
TOPSOIL COVER**

NOT TO SCALE



**ENGINEERING CONTROLS - EXISTING COVER SYSTEM  
132 DINGENS STREET  
BUFFALO, NEW YORK**

**FIGURE 6B**



Note: Decon pad is sloped to one corner with sump to collect wash water for treatment

**132 DINGENS ST. SITE, BUFFALO, NY  
DECONTAMINATION PAD CROSS-SECTION**

**FIGURE 7**

**IEG**

# **DRAWINGS**







# 132 DINGENS STREET - EXCAVATION AREAS



Pinto Construction Services  
1 Babcock Street, Buffalo, NY 14210-2250  
Phone: (716) 825-6666  
Fax: 716-825-6773

DATE: 11/06/15  
DRAWN BY: GM  
SCALE: 1"=50'

DRAWING NAME:  
DINGENS REM.  
SHEET NO.  
D-2

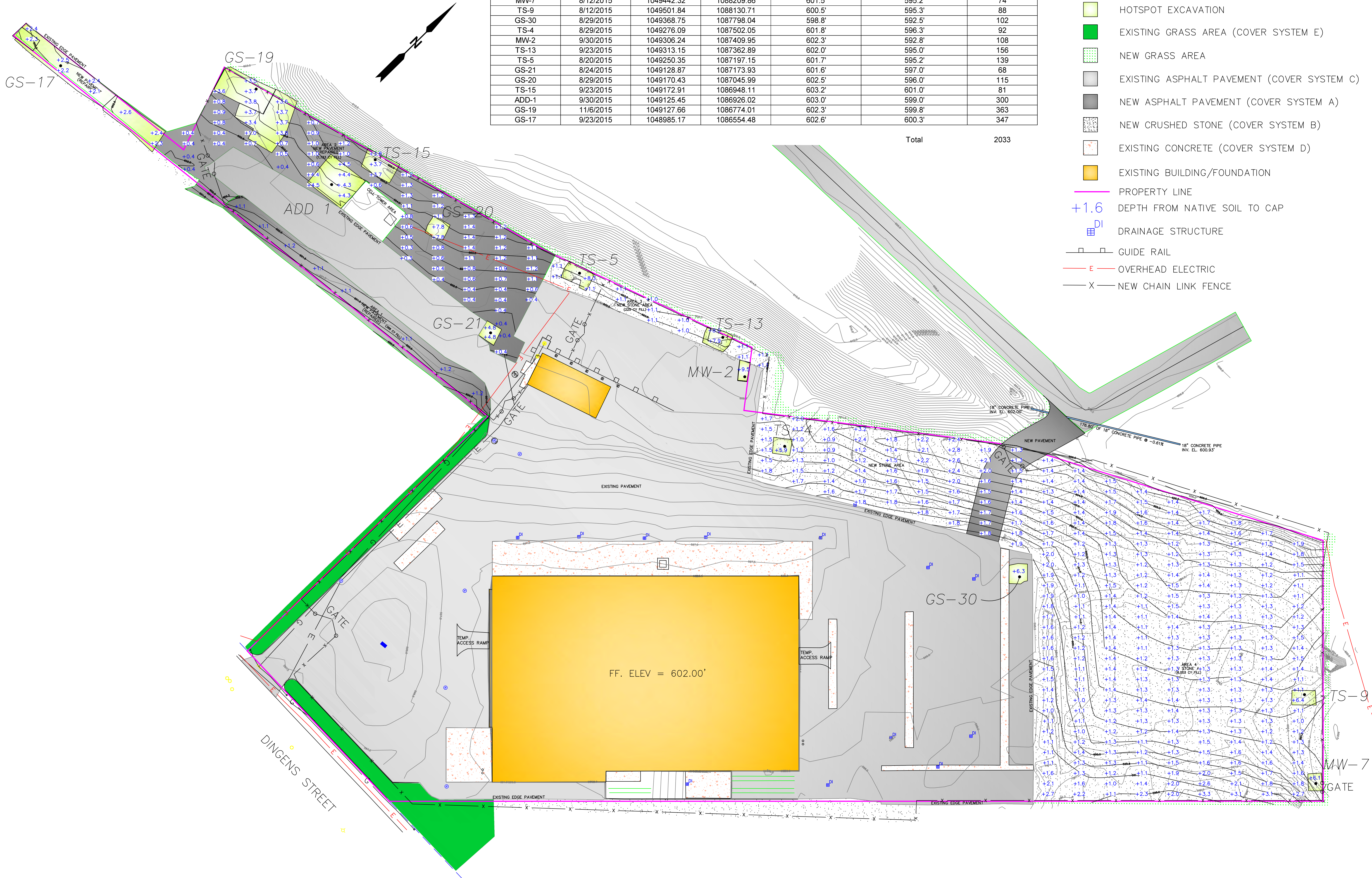


132 DINGENS STREET - HOT SPOT DATA

DESCRIPTION	SURVEY DATE	NORTHING (FT)	EASTING (FT)	GROUND ELEV. (FT)	EXCAVATION ELEV. (FT)	QUANTITY (CY)
MW-7	8/12/2015	1049442.32	1088209.86	601.5'	595.2'	74
TS-9	8/12/2015	1049501.84	1088130.71	600.5'	595.3'	88
GS-30	8/29/2015	1049368.75	1087798.04	598.8'	592.5'	102
TS-4	8/29/2015	1049276.09	1087502.05	601.8'	596.3'	92
MW-2	9/30/2015	1049306.24	1087409.95	602.3'	592.8'	108
TS-13	9/23/2015	1049313.15	1087362.89	602.0'	595.0'	156
TS-5	8/20/2015	1049250.35	1087197.15	601.7'	595.2'	139
GS-21	8/24/2015	1049128.87	1087173.93	601.6'	597.0'	68
GS-20	8/29/2015	1049170.43	1087045.99	602.5'	596.0'	115
TS-15	9/23/2015	1049172.91	1086948.11	603.2'	601.0'	81
ADD-1	9/30/2015	1049125.45	1086926.02	603.0'	599.0'	300
GS-19	11/6/2015	1049127.66	1086774.01	602.3'	599.8'	363
GS-17	9/23/2015	1048985.17	1086554.48	602.6'	600.3'	347
Total						2033

KEY

- HOTSPOT EXCAVATION
- EXISTING GRASS AREA (COVER SYSTEM E)
- NEW GRASS AREA
- EXISTING ASPHALT PAVEMENT (COVER SYSTEM C)
- NEW ASPHALT PAVEMENT (COVER SYSTEM A)
- NEW CRUSHED STONE (COVER SYSTEM B)
- EXISTING CONCRETE (COVER SYSTEM D)
- EXISTING BUILDING/FOUNDATION
- PROPERTY LINE
- +1.6 DEPTH FROM NATIVE SOIL TO CAP
- DRAINAGE STRUCTURE
- GUIDE RAIL
- OVERHEAD ELECTRIC
- NEW CHAIN LINK FENCE



132 DINGENS STREET SITE - BACKFILL / GRADING LAYOUT

PINTO

CONSTRUCTION SERVICES INC.

Pinto Construction Services

1 Babcock Street, Buffalo, NY 14210-2250

Phone: (716) 825-6666

Fax: 716-825-6773

DATE: 10/05/16	DRAWING NAME: DIN-4X225 - 03
DRAWN BY: GM	SHEET NO. D-3
SCALE: 1"=50'	







# TABLES



**TABLE 1**  
**132 DINGENS STREET - BCP REMEDIATION**  
**SUMMARY OF SOIL CONTAMINATION - PRE-REMEDIATION**

PARAMETER	PETLs	RANGE of DETECTED CONCENTRATIONS IN SOIL		
		MINIMUM	AVERAGE	MAXIMUM
SEMIVOLATILE ORGANICS (SVOCs, ug/Kg)				
Benzo(a)anthracene	500,000	ND	10,299	490,000
Benzo(a)pyrene		ND	10,673	550,000
Benzo(b)fluoranthene		ND	12,008	600,000
Benzo(k)fluoranthene		ND	6,237	240,000
Chrysene		ND	9,996	450,000
Dibenz(a,h)anthracene		ND	1,704	86,000
Fluoranthene		ND	22,727	1,200,000
Indeno(1,2,3-cd)pyrene		ND	5,015	250,000
Phenanthrene		31	21,955	1,200,000
Pyrene		35	19,588	880,000
PCBs (ug/Kg)				
Aroclor 1248	1,000	ND	1,125	59,000
Aroclor 1254		ND	133	3,400
METALS (mg/Kg)				
Arsenic	79	1	24	274
Barium	--	7	550	4,530
Copper	--	5	221	2,400
Lead	5,000	3	2,981	93,500
Nickel	--	2	41	863
Zinc	--	9	1,655	22,900
Mercury	5.7	ND	0.90	8.30

Note: PETL = Proposed Excavation Threshold Limit (site-specific)

**TABLE 2A**  
**132 DINGENS STREET - BCP REMEDIATION**  
**FINAL CONFIRMATORY SOIL SAMPLES - METALS**

SAMPLE ID	LOCATION	EXCAVATION WIDTH	EXCAVATION DEPTH	TOTAL LEAD (mg/Kg)	TOTAL ARSENIC (mg/Kg)	TOTAL MERCURY (mg/Kg)
PROPOSED EXCAVATION THRESHOLD LIMIT (PETL) >>				5000	71	5.7
EXCAVATION AT MW-2 LOCATION						
CSW-24	MW-2-N	12'W x 5.5'D	1' - 4'	NA	69.3	0.96
CSW-25	MW-2-S	12'W x 5.5'D	1' - 4'		28.6	1.8
CSW-26	MW-2-EN	22'W x 5.5'D	1' - 4'		52.1	3.8
CSW-27	MW-2-ES		1' - 4'		32.5	1.6
CSW-28	MW-2-W	22'W x 5.5'D	1' - 4'		40.7	1.9
CSB-5-4	MW-2-B	12'x22'W@9.5'D	9.5'	1060	NA	NA
CSB-5-5	MW-2-B	12'x22'W@10.5'D	10.5'	NA	6.7	0.022
EXCAVATION AT MW-7 LOCATION						
CSW-1	MW-7-N	20'W x 8'D	2' - 6'	2830	NA	NA
CSW-2	MW-7-S	20'W x 8'D	2' - 6'	166		
CSW-3	MW-7-EN	16'W x 8'D	2' - 6'	2140		
CSW-4	MW-7-ES		2' - 6'	1710		
CSW-5	MW-7-W	16'W x 8'D	2' - 6'	611		
CSB-1	MW-7-B	20'x16'W@8'D	8'	53.6		
EXCAVATION AT GS-20 LOCATION						
CSW-32	GS-20-N	22'W x 6.5'D	2' - 5.5'	2070	NA	NA
CSW-33	GS-20-S	22'W x 6.5'D	2' - 5.5'	1100		
CSW-34	GS-20-E	22'W x 6.5'D	2' - 5.5'	1690		
CSW-35	GS-20-W	22'W x 6.5'D	2' - 5.5'	2660		
CSB-8	GS-20-B	22'x22'W@6.5'D	6.5'	865		
EXCAVATION AT GS-21 LOCATION						
CSW-29	GS-21-N	20'W x 6.6'D	2' - 5.5'	NA	NA	0.54
CSW-30	GS-21-S	22'W x 6.5'D	2' - 5.5'			0.67
CSW-31	GS-21-W	22'W x 6.5'D	2' - 5.5'			1.6
CSB-7	GS-21-B	22'x22'W@6.5'D	6.5'			2.2
EXCAVATION AT GS-30 LOCATION						
CSW-11	GS-30-N	19'W x 4.3'D	1' - 4'	2370	NA	NA
CSW-12-2	GS-30-S	21'W x 6.3'D	2' - 6'	1680		
CSW-13	GS-30-E	19'W x 4.3'D	1' - 4'	1410		
CSW-14-2	GS-30-W	21'W x 4.3'D	1' - 4'	2520		
CSB-3-3	GS-30-B	21'x21'W@7.3'D	7.3'	34.6		
EXCAVATION AT TS-4 LOCATION						
CSW-15	TS-4-N	19'W x 4'D	0' - 4'	1950	NA	NA
CSW-16	TS-4-S	19'W x 4'D	0' - 4'	4610		
CSW-17	TS-4-E	19'W x 4'D	0' - 4'	2870		
CSW-18-3	TS-4-W	19'W x 5.5'D	2' - 5'	3320	NA	NA
CSB-4-2	TS-4-B	21'x19'W@5.5'D	5.5'	93.4		
EXCAVATION AT TS-9 LOCATION						
CSW-6	TS-9-N	17'W x 5.2'D	1' - 4'	1610	NA	NA
CSW-7	TS-9-S	17'W x 5.2'D	1' - 4'	3220		
CSW-8	TS-9-EN	28'W x 5.2'D	1' - 4'	860		
CSW-9	TS-9-ES		1' - 4'	1960		
CSW-10	TS-9-W	228'W x 5.2'D	1' - 4'	2160		
CSB-2	TS-9-B	20'x16'W@8'D	8'	4090		
EXCAVATION AT TS-13 LOCATION						
CSW-19	TS-13-NW	11'W x 4'D	1' - 4'	NA	47.8	0.51
CSW-20-2	TS-13-NE	13'W x 7'D	2' - 6'		59.7	2.5
CSW-21-5	TS-13-S	31'W x 7'D	2' - 6'		53.8	1.6
CSW-22	TS-13-E	21'W x 4'D	1' - 4'		45.4	2.9
CSW-23-3	TS-13-W	15'W x 7'D	2' - 6'		29	2.4
CSB-6-2	TS-13-B	26'x15'W@7'D	7'		3.7	ND
EXCAVATION AT TS-15 LOCATION						
CSW-44	TS-15-NW*	40'W x 2'D	0' - 2'	5200	NA	NA
CSW-45	TS-15-NE		0' - 2'	1080		
CSW-46	TS-15-S		0' - 2'	1750		
CSW-47	TS-15-E		0' - 2'	989		
CSW-48	TS-15-W		0' - 2'	1800		
CSB-10	TS-15-B		20'x40'W@2'D	2'		

Note: 1. ANALYSIS: ND=Not Detected; NA=Not Analyzed; SAMPLES: CSWs are wall and CSBs are bottom samples  
2. Each sample is a composite of 7 to 10 grab samples; Dimensions are at time of sampling  
3. LOCATION: N=North; S=South; E=East; W=West; M=Middle; B=Bottom; W=Horizontal Width; D=Vertical Depth; \*=site boundary  
4. Confirmatory wall soil samples were taken across excavation width/depth; bottom samples were taken across excavation floor

**TABLE 2B**  
**132 DINGENS STREET - BCP SITE REMEDIATION**  
**FINAL CONFIRMATORY SOIL SAMPLES - SVOCs**

SAMPLE ID/ LOCATION	PETL	CSW-36	CSW-37	CSW-38	CSW-39	CSW-40	CSW-41	CSW-42	CSW-43	CSB-9	CSW-44	CSW-45	CSW-46	CSW-47	CSW-48	CSB-9	
		EXCAVATION AT TS-5 LOCATION									EXCAVATION AT TS-15 LOCATION						
		TS-5-N		TS-5-S			TS-5-E	TS-5-W	TS-5-S	TS-5-B	TS-15-N		TS-5-S	TS-15-E	TS-15-W	TS-15-B	
DATE SAMPLED		8/27/2015									9/14/2015						
SAMPLE DEPTH		2' - 6'	2' - 6'	2' - 6'	2' - 6'	2' - 6'	2' - 6'	2' - 6'	2' - 6'	6.5'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	2'	
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs, µg/Kg)																	
Percent Solids (%)	--	73.8	77.1	74.2	80.6	80.7	80.1	74	75.3	68.7	83.8	86.7	78.5	77.5	76.4	74.3	
Biphenyl	--	430 J															
2-Methylnaphthalene		1400 J			230 J		920 J										
3 & 4-Methylphenol																	
Acenaphthene		4400	450 J	240 J	280 J	760 J	2700 J					740 J	690 J		2000 J	960 J	
Acenaphthylene		1700 J	200 J	280 J	230 J	1000 J	3800 J		690 J						1300 J		
Acetophenone																	
Anthracene		12000	1400	830 J	1300	4000	17000		1700 J			2200 J	1800 J	1800 J	1400 J	5100	2400 J
Benzaldehyde																	
Benzo(a)anthracene		23000	3400	3000	2800	8900	40000	2500 J	10000			9800	5800	4100 J	4600	19000	5800
Benzo(a)pyrene		18000	3800	2700	2500	8000	31000	2300 J	9000			7600	4900	3300 J	3500 J	18000	4900
Benzo(b)fluoranthene		23000	4500	3500	3000	9300	43000	3100 J	12000			11000	5800	3700 J	4700	23000	6700
Benzo(g,h,i)perylene		9400	2000	1400	1000	4600	10000	1500 J	3400 J			6000 J	4000	2800 J	2800 J	9400	4500 J
Benzo(k)fluoranthene		8200	2400	1800	1800	3600	20000	1400 J	6500			4100	3200 J	2000 J	1800 J	10000	2300 J
Bis(2-ethylhexyl) phthalate																	
Butyl benzyl phthalate																	
Carbazole		5500	680 J	430 J	630 J	960 J	4900					860 J	820 J	780 J	670 J	3400 J	1300 J
Chrysene		20000	3500	3000	2900	9100	38000	2600 J	10000			10000	5900	4100 J	4100 J	20000	5900
Dibenz(a,h)anthracene																3100 J	
Dibenzofuran		3800	410 J	160 J	350 J	930 J	4400									1200 J	630 J
Di-n-butyl phthalate																	
Fluoranthene		51000	6500	6300	6400	24000	110000	5400	17000	830 J	20000	12000	11000	9300	38000	13000	
Fluorene		6100 J	530 J	260 J	450 J	1600 J	7500 J					870 J	1000 J	640 J	2200 J	1100 J	
Indeno(1,2,3-cd)pyrene		8800	1800	1400	1100	4100	11000	1200 J	3700 J		5200	3400 J	2200 J	2200 J	8100	3600 J	
Naphthalene		2400			320 J										1100 J		
Phenanthrene		49000	5800	3500	5100	20000	77000	3100 J	5900		11000	7600	8500	6200	25000	12000	
Pyrene		36000	4800	4200	3700	17000	57000	3400 J	11000		17000 J	9600 J	8100 J	6800 J	31000 J	10000 J	
TOTAL SVOCs (µg/Kg)	500,000	284,130	42,170	33,000	34,090	117,850	478,220	26,500	90,890	830	104,760	66,430	54,070	48,710	220,900	75,090	

Note: 1. ANALYSIS: ND=Not Detected; NA=Not Analyzed; J=Below MDL; SAMPLES: CSWs are wall and CSBs are bottom samples

2. Each sample is a composite of 7 to 10 grab samples; See Figures in Report for sample locations

3. Only detected semivolatile compounds are listed; all other SVOCs are non-detect; PETL = Proposed Excavation Threshold Limit

4. LOCATION: N=North; S=South; E=East; W=West; M=Middle; B=Bottom

**TABLE 2C**  
**132 DINGENS STREET - BCP REMEDIATION**  
**FINAL CONFIRMATORY SOIL SAMPLES - PCBs**

SAMPLE ID	LOCATION	SAMPLE DEPTH	PCB-1242 (mg/Kg)	PCB-1248 (mg/Kg)	PCB-1254 (mg/Kg)	PCB-1260 (mg/Kg)	TOTAL PCBs (mg/Kg)	REMARKS
<b>PROPOSED EXCAVATION THRESHOLD LIMIT (PETL) &gt;&gt;</b>							<b>1</b>	
<b>EXCAVATION AT TS-15 LOCATION (sampled 9/14/16)</b>								
CSW-44	TS-15-N	0' - 2'	ND	1.8	ND	ND	1.8	OFF-SITE
CSW-45		0' - 2'	ND	1.1	0.63	0.43	2.16	
CSW-46	TS-15-S	0' - 2'	ND	0.065 J	ND	ND	0.065	
CSW-47	TS-15-E	0' - 2'	ND	0.24	0.23	ND	0.47	
CSW-48	TS-15-W	0' - 2'	ND	0.46	ND	ND	0.46	
CSW-60	TS-15-NM	1'	ND	ND	ND	ND	0	OFF-SITE
CSB-10	TS-15-B	2'	ND	0.29 J	ND	ND	0.29	
<b>EXCAVATION AREA AT GS-17 LOCATION (sampled 9/14, 10/14 &amp; 10/26/16)</b>								
CSW-54	GS-17-N	0' - 2'	ND	4.5	4.2	1.5	10.2	AT BOUNDARY
CSW-55-2	GS-17-WN	0' - 3'	ND	ND	2.2	0.97	3.17	
CSW-56	GS-17-S	0' - 2'	ND	0.62	0.67	0.38	1.67	
CSW-57		0' - 2'	ND	0.65	0.96	0.48	2.09	
CSW-59	GS-17-W	0' - 2'	0.68	ND	1.8	0.76	3.24	
CSW-61	GS-17-MN	0' - 2'	ND	ND	1.9	0.78	2.68	
CSW-62	GS-17-MS	0' - 2'	ND	ND	ND	ND	0	
CSW-63	GS-17-MN	0' - 2'	18	ND	5.1	ND	23.1	AT BOUNDARY
CSW-64	GS-17-MS	0' - 2'	ND	0.78	1.2	0.61	2.59	AT BOUNDARY
CSW-65	GS-17-EN	0' - 2'	ND	ND	ND	ND	0	
CSW-66	GS-17-ES	0' - 2'	ND	0.55 J	0.94 J	0.55 J	2.04	
CSW-67	GS-17-E	0' - 2'	ND	ND	0.14 J	ND	0.14	
CSB-12-2	GS-17-EB	3'	ND	ND	ND	ND	0	
CSB-13-2	GS-17-MW	3'	ND	ND	ND	ND	0	
CSB-14-2	GS-17-ME	3'	ND	ND	ND	0.34	0.34	
CSB-15-3	GS-17-EB	3'	ND	ND	ND	ND	0	
<b>EXCAVATION AT GS-19 LOCATION (sampled 9/14, 9/24, 10/14 &amp; 11/2/16)</b>								
CSW-49	GS-19-N	0' - 2'	ND	0.13 J	0.16 J	ND	0.29	OFF-SITE
CSW-50-2	GS-19-NE	0' - 2'	ND	1.3	ND	ND	1.3	OFF-SITE
CSW-51-2A	GS-19-S	0' - 2'	ND	ND	ND	ND	0	
CSW-51-4B	GS-19-SW	0' - 2'	ND	0.29	0.16 J	ND	0.45	
CSW-53-2	GS-19-W	0' - 2'	ND	ND	ND	ND	0	
CSW-68	GS-19-NE	0' - 2'	ND	1.4	0.64	ND	2.04	OFF-SITE
CSW-69	GS-19-E	0' - 2'	ND	ND	ND	ND	0	
CSW-70-3	GS-19-SE	0' - 2'	ND	0.78	0.64	0.17 J	1.59	SEE NOTE 3
CSB-11	GS-19-B	2'	ND	0.68	ND	ND	0.68	
CSB-17	GS-19-EB	2'	ND	0.3	ND	ND	0.30	
<b>AREA BETWEEN GS-19 AND TS-15 (sampled 9/24/16)</b>								
CSB-16	GS-19/TS-15	0' - 1'	ND	ND	0.9	0.19	1.09	

Note: 1. ANALYSIS: ND=Not Detected; NA=Not Analyzed; J= Below MDL; SAMPLES: CSWs are wall and CSBs are bottom samples  
2. Each sample is a composite of 7 to 10 grab samples; See Figures in Report for sample locations  
3. PETL exceedances shaded - all were off-site except GS-19 where excavation was terminated 19 based on this single on-site exceedance  
4. LOCATION: N=North; S=South; E=East; W=West; M=Middle; B=Bottom

**TABLE 3A**  
**132 DINGENS STREET - BCP REMEDIATION 2015**  
**ANALYTICAL DATA - QA/QC FIELD DUPLICATES**  
**METALS, TOTAL SVOCs & TOTAL PCBs**

SAMPLE ID	LOCATION	SAMPLE DATE	TOTAL LEAD (mg/Kg)	TOTAL ARSENIC (mg/Kg)	TOTAL MERCURY (mg/Kg)	TOTAL SVOCs (mg/Kg)	TOTAL PCBs (mg/Kg)
CSW-12	GS-30-S	7/30/2015 LAB SDG# 84833	2360	NA	NA	NA	NA
CSW-12DUP			6110				
CSB-4	TS-4-B		10000				
CSB-4DUP			11600				
CSW-33	GS-20-S	8/27/2015 LAB SDG# 86308	901	NA	NA	NA	NA
CSW-33DUP			1100				
CSW-37	TS-5-N		NA	NA	NA	54.1	NA
CSW-37DUP						42.2	
CSW-20-2	TS-13-NE	8/28/15 LAB SDG# 86366	NA	59.70	2.50	NA	NA
CSW-20-2DUP				69.65	2.36		
CSB-3-2	GS-30-B		5790	NA	NA	NA	NA
CSB-3-2DUP			6522				
CSW-52	GS-19-E	9/14/2015 LAB SDG# 87201					1.70
CSB-52DUP	GS-19-B						1.65
CSW-51-2A	GS-19-S	9/24/15 LAB SDG# 87872	NA	NA	NA	NA	ND
CSW-51-2ADUP							ND

Note: 1. ND=Not Detected; NA=Not Analyzed; J=Below MDL; N=North; S=South; E=East; W=West  
2. Each sample is a composite of 7 to 10 grab samples; CSWs are wall and CSBs are bottom samples

**TABLE 3B**  
**132 DINGENS STREET - BCP REMEDIATION**  
**ANALYTICAL DATA - QA/QC RINSE BLANKS**

SAMPLE ID/ LOCATION	ERB-1	ERB-2	ERB-3	ERB-4
LAB BATCH NUMBER	J84833	J86066	J86308	J87201
SAMPLE BATCH	CS Soils	MW Smpls	CS Soils	CS Soils
Sample Date	7/30/15	8/21/15	8/27/15	9/14/15
PCBs (ug/L)	NA	NA	NA	ND
METALS (mg/L)				
Arsenic	NA	ND	NA	NA
Lead	9.0 J	NA	0.015	
Mercury	NA	ND	NA	

Note: 1. ANALYSIS: "NA" = Not Analyzed; ND = Not Detected  
2. SAMPLES: ERB = Equipment Rinse Blank

**TABLE 4**  
**132 DINGENS STREET - BCP REMEDIATION**  
**ANALYTICAL DATA - RA TEST PIT SOILS CHARACTERIZATION**  
**ON VEGETATED STRIPS IN FRONT OF SITE**

(SAMPLED 10/14/15 during RA); LAB SDG #J89112

SAMPLE ID/ LOCATION	PETLs or CSCOs	TS#18	TS#19	TS#20	TS#21
		WEST VEGETATED STRIP		SOUTH VEGETATED STRIP	
DEPTH INTERVAL (ft)		0 - 2'	0 - 2'	0 - 2'	0 - 2'
Percent Solids (%)	--	79.0	82.6	74.8	74.7
<b>PCBs (ug/Kg)</b>		ND	ND	ND	ND
<b>SEMIVOLATILE ORGANICS (ug/Kg)</b>					
Acenaphthene		920 J	ND	ND	190 J
Acenaphthylene		280 J	ND	ND	ND
Anthracene		3000	700 J	ND	330 J
Benzo(a)anthracene		7700	3700	510 J	2400
Benzo(a)pyrene		7000	3400	840 J	2400
Benzo(b)fluoranthene		9400 J	4800 J	1000 J	3900
Benzo(g,h,i)perylene		5100 J	3000 J	750 J	2000
Benzo(k)fluoranthene		5000	2500	300 J	1600
Carbazole		1500 J	470 J	ND	340 J
Chrysene		8300	4100	630 J	3100
Dibenzofuran		830	ND	ND	ND
Fluoranthene		19000	7200	1100 J	6000
Fluorene		1200 J	290 J	ND	160 J
Indeno(1,2,3-cd)pyrene		4400 J	2500	790 J	1800 J
Phenanthrene		12000	3900	430 J	2700
Pyrene		14000	6000	850 J	4800
<b>TOTAL SVOCs</b>	<b>500,000</b>	99,630	42,560	7,200	31,720
<b>METALS (mg/Kg)</b>					
Aluminum	--	14000	13100	19800	16800
Antimony	--	1.8	2.6	ND	ND
Arsenic	<b>71.0</b>	14.1	13.9	7.6	6.8
Barium	<i>400</i>	<b>531</b>	264	114	106
Beryllium	<i>590</i>	1.5	1.2	0.78	0.75
Cadmium	<i>9.3</i>	3.2	2.1	0.88	0.93
Calcium	--	32500	32400	5820	6730
Chromium	<i>1,500</i>	49.5	39.6	42.2	42.7
Cobalt	--	7.7	9.0	9.1	9.3
Copper	<i>270</i>	127	130	36.5	36.7
Iron	--	33500	34900	24400	23400
Lead	<b>5,000</b>	1840	956	86	84.2
Magnesium	--	7610	8160	4270	4700
Manganese	<i>10,000</i>	793	632	455	457
Nickel	<i>310</i>	23.4	27.0	22.1	22.1
Potassium	--	1920	2050	2560	1860
Selenium	<i>1,500</i>	1.3	0.89	1.3	0.86
Silver	<i>1,500</i>	0.48	ND	ND	0.3
Sodium	--	382	297	134	114
Thallium	--	ND	ND	ND	ND
Vanadium	--	27	25.2	37.4	32.9
Zinc	<i>10,000</i>	794	601	179	176
Mercury	<b>5.7</b>	0.67	0.54	0.16	0.19

Note: 1. "ND" = Not Detected; "NA" = Not Analyzed  
2. Only detected organic compounds are listed; all metals analyzed are listed  
3. CSCOs are listed in italics ; PETLs are listed in bold; Compounds exceeding CSCOs or PETLs are shown in bold numbers  
4. See table of sample coordinates in Appendix, and figure in Report for locations  
5. CSCOs = Commercial Soil Cleanup Objective; PETL = Proposed Excavation Threshold Limit

**TABLE 5**  
**132 DINGENS STREET - BCP REMEDIATION 2015**  
**ANALYTICAL DATA - SOIL CHARACTERIZATION FOR DISPOSAL**

SAMPLE ID	LOCATION	AREA	SAMPLE DATE/ LAB BATCH	ESTIMATED VOLUME	TCLP LEAD (mg/L)	TCLP ARSENIC (mg/L)	TCLP BARIUM (mg/L)	TCLP CADMIUM (mg/L)	TCLP CHROMIUM (mg/L)	TCLP MERCURY (mg/L)	TCLP SELENIUM (mg/L)	TCLP SILVER (mg/L)	PCBs (mg/Kg)				REMARKS/ ACTION
													PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs	
RCRA LIMIT					5	5	100	1	5	0.2	1	5	50				--
LFS-1	MW-7-1	A	7/30/2015 J84833	20'X16'X6.25'D = 74 CY	8.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	TREATED
LFS-2	MW-7-2				1.8												
LFS-3	TS-9-1	A		28'X17'X5.2'D = 88 CY	1.3												
LFS-4	TS-9-2				11.1												
LFS-5	GS-30-1	B		19'X19'X4.3'D = 55 CY	5.9												
LFS-6	GS-30-2				20.1												
LFS-7	TS-4-1	B		19'X19'X4'D = 54 CY	4.8		2.1		ND		APPROVED/ DISPOSED						
LFS-8	TS-4-2				4.2		2.0		ND								
LFS-9	GS-21-1	L	8/21/2015 J86065	20'X20X8'D = 120 CY	1.3	0.016	1.0	0.016	ND	ND	ND	ND	NA	NA	NA	NA	APPROVED/ DISPOSED
LFS-10	GS-21-2				2.2	0.013	0.9	0.012	ND	ND	ND	ND					
LFS-11	TS-13-1	D		20'X10X8'D = 60 CY	1.6	0.022	1.7	0.020	ND	ND	ND	ND					
LFS-12	TS-13-2				2.4	ND	1.6	0.031	ND	ND	ND	ND					
LFS-13	MW-2-1	D		20'X10X8'D = 60 CY	1.3	ND	1.8	0.020	ND	ND	ND	ND					
LFS-14	MW-2-2				3.7	0.013	2.0	0.018	ND	ND	ND	ND					
LFS-15	TS-4-3	B		20'X2X8'D=12 CY	3.1	0.0058	1.3	0.021	NA	NA	ND	ND					TREATED
LFS-16	GS-30-3	B		20'X2X8'D=12 CY	90.2	ND	1.0	0.013	ND		ND	ND					
LFS-17	GS-20-1	F	8/27/2015 J86309	20'X20X8'D = 120 CY	0.41	ND	1.1	0.011	ND	NA	ND	ND	NA	NA	NA	NA	APPROVED/DISPOSED
LFS-18	GS-20-2				7.2	ND	1.5	0.020	ND		ND	ND					TREATED
LFS-19	TS-5-1	E		30'X15X8'D = 120 CY	1.2	ND	1.9	0.025	ND		ND	ND					APPROVED/ DISPOSED
LFS-20	TS-5-2				0.73	ND	1.7	0.019	ND		ND	ND					
LFS-21	TS-4-4*	B	8/28/2015 J86367	20'X2X8'D=12 CY	2.8	ND	2.2	0.041	ND	ND	ND	ND	NA	NA	NA	NA	APPROVED/ DISPOSED
LFS-22	MW-2-3	D		20'X10X2'D=15 CY	0.14	0.018	0.7	ND	ND	ND	ND	ND					
LFS-23	TS-13-2	D		20'X2'X8'D=12 CY	1.2	ND	1.0	0.016	ND	ND	ND	ND					
LFS-5-T	GS-30-1T	A		20'X10X2'D=15 CY	ND	0.0064	0.2	ND	0.43	ND	ND	ND					
LFS-16-T	GS-30-3T			20'X2'X8'D=12 CY	0.086	ND	0.5	ND	0.30	ND	ND	ND					
LFS-5-T2	GS-30-1T	B	9/1/2015 J86451	19'X19'X4.3'D = 55 CY	ND	0.01	0.2	ND	0.39	ND	ND	ND	NA	NA	NA	NA	APPROVED/ DISPOSED
LFS-6-T	GS-30-2T				ND	0.013	0.2	ND	0.33	ND	ND	ND					
LFS-24-T	GS-30-4T	20'X2'X8'D=12 CY		0.052	0.01	1.1	0.00057	ND	ND	ND	ND						
LFS-1-T	MW-7-1	A		20'X16'X6.25'D = 74 CY	ND	ND	0.2	ND	0.49	ND	ND	ND					
LFS-2-T	MW-7-2				1.0	ND	0.8	0.017	0.04	ND	ND	ND					
LFS-3-T	TS-9-1T	A	9/2/2015 J86546	28'X17'X5.2'D = 88 CY	0.0074	0.022	0.5	ND	0.11	ND	ND	ND	NA	NA	NA	NA	
LFS-4-T	TS-9-2T				ND	0.0077	0.4	ND	0.42	ND	ND	ND					



**TABLE 5**  
**132 DINGENS STREET - BCP REMEDIATION 2015**  
**ANALYTICAL DATA - SOIL CHARACTERIZATION FOR DISPOSAL**

SAMPLE ID	LOCATION	AREA	SAMPLE DATE/ LAB BATCH	ESTIMATED VOLUME	TCLP LEAD (mg/L)	TCLP ARSENIC (mg/L)	TCLP BARIUM (mg/L)	TCLP CADMIUM (mg/L)	TCLP CHROMIUM (mg/L)	TCLP MERCURY (mg/L)	TCLP SELENIUM (mg/L)	TCLP SILVER (mg/L)	PCBs (mg/Kg)				REMARKS/ ACTION
													PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs	
RCRA LIMIT					5	5	100	1	5	0.2	1	5	50				--
LFS-18-T	GS-20-2	F	9/9/2015 J86937	20'X10'X8'D=60 CY	0.0078 J	0.016	0.3	ND	0.13	ND	ND	ND	NA	NA	NA	NA	APPROVED/ DISPOSED
LFS-25	TS-13-3*	D		20'X2'X8'D=12 CY	3.5	ND	2.2	0.051	ND	ND	ND	ND					
LFS-26	MW-2-4*			20'X20'X2'D=30 CY	0.035	0.096	1.5	ND	ND	ND	ND	ND					
LFS-27-T	TS-15-1T	F	9/14/2015 J87202	40'X25'X2.5'D =90 CY	1.1	0.0072	1.1	0.032	0.0014	ND	ND	ND	3.9	ND	0.13 J	4.03	APPROVED/ DISPOSED
LFS-28-T	TS-15-2T				0.74	ND	1.1	0.024	0.011	ND	ND	ND	3.9	ND	0.12 J	4.02	
LFS-29	GS-19-1				40'X20'X2'D=60 CY	4	ND	2.0	0.032	ND	ND	ND	23	ND	ND	23	
LFS-30	GS-17-1	G		25'X15'X2'D=28 CY	0.42	ND	1.4	0.330	ND	ND	ND	ND	2	3.8	2.5	8.3	
LFS-31	MW-2-5*	D	9/17/2015 J87472	20'X20'X2'D=30 CY	0.034	0.075	1.2	ND	ND	ND	ND	ND	NA	NA	NA	NA	APPROVED/ DISPOSED
LFS-32	TS-13-4*			20'X2'X8'D=12 CY	3.3	0.012	0.0	0.032	ND	0.00029	ND	ND					
LFS-33-T	GS-30-5T	B		20'X24'X2'D=35 CY	0.0079 J	0.0098	0.3	ND	ND	ND	ND	ND					
LFS-34	GS-17-2	G	9/24/2015 J87871	125'X20'X2'D =185 CY	0.11	ND	0.7	0.015	ND	ND	ND	ND	0.18 J	0.29	0.13	0.60	APPROVED/ DISPOSED
LFS-35					0.045	ND	0.5	0.008	ND	ND	ND	ND	ND	1.10	0.40	1.50	
LFS-36					0.11	ND	0.8	0.042	0.01	ND	ND	ND	ND	ND	5.50	5.50	
LFS-37					0.48	ND	0.8	0.075	ND	ND	ND	ND	1.10	1.20	0.57	2.87	
LFS-38					0.40	ND	0.7	0.067	0.014	ND	ND	ND	0.81	ND	1.60	2.41	
LFS-39					0.26	ND	0.6	0.044	ND	ND	ND	ND	0.48	1.10	0.76	2.34	
LFS-40					0.27	0.0058	1.4	0.047	ND	ND	ND	ND	0.28	0.53	0.30	1.11	
LFS-41	GS-19-2	F		ALL SIDES = 60 CY	115	ND	1.4	0.047	ND	ND	ND	ND	14	ND	ND	14.00	TREATED/SAMPLED
LFS-42	TS-15-3			40'X25'X2'D=90 CY	2.1	ND	1.5	0.038	ND	ND	ND	ND	43	ND	ND	43.00	APPROVED/DISPOSED
LFS-43	CT-1	F	9/28/2015 J88006	125'X20'X2'D =185 CY	0.78	ND	1.5	0.017	ND	ND	ND	ND	0.096 J	ND	ND	0.096	APPROVED/ DISPOSED
LFS-44					2.0	ND	1.6	0.062	ND	ND	ND	ND	1.6	ND	0.41	2.01	
LFS-45					3.3	ND	1.6	0.020	ND	ND	ND	ND	0.65	ND	ND	0.65	
LFS-46	TS-13	D	10/9/2015 J88823	Two sides = 75 cy	1.8	ND	2.0	0.026	ND	ND	ND	ND	NA				APPROVED/DISPOSED
LFS-47	GS-19-4	F	10/14/2015 J89113	Two sides = 125 cy	1.4	ND	1.6	0.041	ND	ND	ND	ND	3.5	2.1	0.64	6.24	APPROVED/ DISPOSED
LFS-48					1.3	ND	1.6	0.018	ND	ND	ND	ND	1.5	ND	ND	1.50	
LFS-41T	GS-19-2	F	10/15/2015 J89232	All sides = 60 cy	0.29	ND	1.0	0.017	0.097	ND	ND	ND	3.9	ND	0.15 J	4.05	

Note: 1. ND=Not Detected; N=NORTH; S=SOUTH; E=EAST; W=WEST; T=TREATED STOCKPILE SAMPLE; \*=Stockpile from re-excavation  
2. Each soil sample is a composite of 7 to 10 grab samples; CY = cubic yards  
3. TS & GS refer to Phase II and RI soil samples; CT refers to excavation for new cell tower  
4. Shaded values exceed corresponding TCLP Limit; TCLP=Toxicity Characteristic Leaching Procedure

**TABLE 6A**  
**132 DINGENS STREET - BCP REMEDIATION 2015**  
**QUANTITIES - EXCAVATION & BACKFILL**

<b>CONTAMINATED SOIL/FILL EXCAVATION VOLUMES</b>						
<b>LOCATION</b>	<b>SURVEY DATE</b>	<b>NORTHING (FT)</b>	<b>EASTING (FT)</b>	<b>GROUND ELEV. (FT)</b>	<b>EXCAVATION ELEV. (FT)</b>	<b>QUANTITY (CY)</b>
MW-7	8/12/2015	1049442.32	1088209.86	601.5'	595.2'	74
TS-9	8/12/2015	1049501.84	1088130.71	600.5'	595.3'	88
GS-30	8/29/2015	1049368.75	1087798.04	598.8'	592.5'	102
TS-4	8/29/2015	1049276.09	1087502.05	601.8'	596.3'	92
MW-2	9/30/2015	1049306.24	1087409.95	602.3'	592.8'	108
TS-13	9/23/2015	1049313.15	1087362.89	602.0'	595.0'	156
TS-5	8/20/2015	1049250.35	1087197.15	601.7'	595.2'	139
GS-21	8/24/2015	1049128.87	1087173.93	601.6'	597.0'	68
GS-20	8/29/2015	1049170.43	1087045.99	602.5'	596.0'	115
TS-15	9/23/2015	1049172.91	1086948.11	603.2'	601.0'	81
ADD-1	9/30/2015	1049125.45	1086926.02	603.0'	599.0'	300
GS-19	11/6/2015	1049127.66	1086774.01	602.3'	599.8'	363
GS-17	9/23/2015	1048985.17	1086554.48	602.6'	600.3'	347
<b>TOTAL</b>						<b>2033</b>

<b>FILL VOLUMES</b>	
<b>AREAS</b>	<b>VOLUME (CY)</b>
3" COMPACTED BINDER	680
BACKFILL HOTPOT EXCAVATION AREAS	2,033
REGRADING AREA B (see Figure 2D)	1,746
REGRADING AREA A (see Figure 2D)	8,003
<b>TOTAL OFF-SITE FILL</b>	<b>11,782</b>

**TABLE 6B**  
**132 DINGENS STREET - BCP REMEDIATION 2015**  
**QUANTITIES - OFF-SITE DISPOSAL & IMPORTED MATERIALS**

SOURCE	OFF-SITE DISPOSAL					IMPORTED MATERIAL								
	CONTAMINATED WASTE	LOADS OF BROKEN BLACKTOP	LOADS OF BRUSH	LOADS OF STUMPS	SCRAP METAL	GEOTEXTILE DEMARKATION LAYER	BACKFILL FROM SENECA	TOPSOIL FROM PINTO YARD	BLACK TOP	BINDER	2" ROC	LOADS OF CONCRETE	TONS OF CEMENT	94# BAGS OF CEMENT
	Tons	Loads	Loads	Loads	Tons	SY	Loads	Loads	Tons	Tons	Tons	Loads	Tons	94# Bags
BUFFALO CRUSHED STONE									7	1478.4				
AH HARRIS						38400								
ALLIED BUILDERS														70
CRAIGS SERVICES							40							
CTS CONTRACTING							80							
LAFARGE											16383			
LARDON			3	1										
MALLARE		10					212	5						
MODERN DISPOSAL	2695													
PINTO TRUCKING					5.95									
SWIFT RIVER												5		
UNITED MATERIALS													20	
<b>TOTALS</b>	<b>2695</b>	<b>10</b>	<b>3</b>	<b>1</b>	<b>5.95</b>	<b>38400</b>	<b>332</b>	<b>5</b>	<b>7</b>	<b>1478.4</b>	<b>16383</b>	<b>5</b>	<b>20</b>	<b>70</b>

**TABLE 7A**  
**132 DINGENS STREET - BCP REMEDIATION**  
**ANALYTICAL DATA - OFF-SITE IMPORTED MATERIALS: TOP SOIL**

SAMPLE TYPE/ ID	DER-10/PART 375 SCOs			VOCS: GRAB SAMPLES OTHERS: COMPOSITE SAMPLES			GRAB SAMPLES (VOCs ONLY)								
	UNRESTRICTED RESIDENTIAL	RESTRICTED RESIDENTIAL	RESTRICTED COMMERCIAL	CTS-1C	CTS-2C	CTS-3C	CTS-4G	CTS-5G	CTS-6G	CTS-7G	CTS-8G	CTS-9G	CTS-10G	CTS-11G	CTS-12G
LAB BATCH NUMBER				80176											
Sample Date				5/12/2015											
Percent Solids (%)				84.1	84.4	80.4	84.7	79.6	78.7	84.3	82.7	85.3	84.0	83.7	73.2
pH (s.u.)				7.67	7.43	7.31	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOC (mg/Kg)				16,900	21,300	24,500	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOLATILE ORGANICS (VOCs, ug/Kg)															
Chloroform	370	100,000	350,000	ND	ND	ND	0.80 J	0.80 J	1.1 J	0.68 J	0.84 J	0.76 J	0.75 J	0.93 J	12 J
Ethylbenzene	1000	41,000	390,000	ND	ND	ND	ND	ND	0.43 J	ND	ND	ND	ND	ND	ND
Methylene Chloride	50	100,000	500,000	5.2 J	4.4 JB	4.7 JB	6.5 B	8.0 B	13 B	6.7 B	5.8 B	4.0 JB	2.9 JB	6.8 B	8.5 B
Toluene	700	100,000	500,000	ND	ND	ND	1.1 J	ND	3.7 J	1.1 J	0.72 J	ND	ND	ND	ND
SEMIVOLATILE ORGANICS (SVOCs, ug/Kg)															
Benzo(a)anthracene	1,000	1,000	5,600	770 J	960 J	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	1,000	1,000	1,000	ND	790 J	ND									
Benzo(b)fluoranthene	1,000	3,900	5,600	ND	1100 J	ND									
Fluoranthene	100,000	100,000	500,000	1100 J	1500 J	ND									
Phenanthrene	100,000	100,000	500,000	ND	1000 J	ND									
Pyrene	100,000	100,000	500,000	950 J	1200 J	ND									
PESTICIDES (ug/Kg)															
delta-BHC	40	100,000	500,000	51 J	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (ug/Kg)				ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
HERBICIDES (ug/Kg)				ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA

**TABLE 7A**  
**132 DINGENS STREET - BCP REMEDIATION**  
**ANALYTICAL DATA - OFF-SITE IMPORTED MATERIALS: TOP SOIL**

SAMPLE TYPE/ ID	DER-10/PART 375 SCOs			VOCS: GRAB SAMPLES OTHERS: COMPOSITE SAMPLES			GRAB SAMPLES (VOCs ONLY)								
	UNRESTRICTED RESIDENTIAL	RESTRICTED RESIDENTIAL	RESTRICTED COMMERCIAL	CTS-1C	CTS-2C	CTS-3C	CTS-4G	CTS-5G	CTS-6G	CTS-7G	CTS-8G	CTS-9G	CTS-10G	CTS-11G	CTS-12G
<b>METALS (mg/Kg)</b>															
Arsenic	13	16	16	4.7	5.6	4.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	350	400	400	62.6	79.1	119									
Beryllium	7.2	72	590	0.5	0.47	0.65									
Cadmium	2.5	4.3	9.3	0.68	0.42	0.40									
Chromium	30	180	1,500	13.8	14.7	17.4									
Copper	50	270	270	173.0	25.1	20.9									
Lead	63	400	1,000	65.3	73.1	47.7									
Manganese	1600	2,000	10,000	281	309	224									
Nickel	30	310	310	12.6	15.5	18.2									
Selenium	3.9	180	1,500	ND	ND	ND									
Silver	2	180	1,500	ND	ND	ND									
Zinc	109	10,000	10,000	94.4	93.8	98.8									
Mercury	0.18	0.81	2.8	0.08	0.14	0.11									
<b>Total Cyanide (mg/Kg)</b>	<b>27</b>	<b>27</b>	<b>27</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>

Notes: 1. "NA" = Not Analyzed; "ND" = Not Detected

2. Only detected volatile and semivolatile compounds are listed; all metals analyzed are listed

**TABLE 7B**  
**132 DINGENS STREET - BCP REMEDIATION**  
**ANALYTICAL DATA - OFF-SITE IMPORTED MATERIALS: SOIL FILL**

SAMPLE TYPE/ ID	DER-10 SCOs		COMPOSITE SAMPLES (EXCL. VOCs)					GRAB SAMPLES (VOCs ONLY)										STONE
	UNRESTRICTED	RESTRICTED RESIDENTIAL	CHF-1	CHF-2	CHF-3	CHF-4	CHF-5	CHF-1A	CHF-1B	CHF-2A	CHF-2B	CHF-3A	CHF-3B	CHF-4A	CHF-4B	CHF-5A	CHF-5B	CRS-1
LAB BATCH NUMBER			77902															
Sample Date			4/7/2015															
Percent Solids (%)			91.6	92.4	93.5	90.7	91.4	92.5	93.4	93.4	91.8	94.1	92.1	88.7	91.8	91.5	88.9	98.2
VOLATILE ORGANICS (VOCs, ug/Kg)																		
Benzene	60	4,800	NA	NA	NA	NA	NA	0.68 J	0.45 J	0.46 J	0.42 J	0.44 J	0.74 J	0.50 J	0.79 J	0.45 J	0.49 J	ND
Methylene Chloride	50	100,000						3.0 JB	2.6 JB	2.5 JB	2.8 JB	2.5 JB	2.6 JB	3.0 JB	3.1 JB	2.6 JB	3.9 J	3.7 J
Styrene	--	--						ND	ND	ND	ND	ND	ND	0.29 J	ND	ND	ND	ND
Toluene	700	100,000						0.92 J	0.83 J	0.81 J	0.84 J	0.78 J	1.3 J	1.1 J	1.1 J	0.78 J	0.64 J	ND
SEMIVOLATILE ORGANICS (SVOCs, ug/Kg)																		
Bis(2-ethylhexyl) phthalate	--	--	100 JB	59 JB	51 JB	65 JB	84 JB	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	59 JB
Diethyl phthalate	--	--	42 J	ND	55 JB	63 JB	87 JB											41 JB
Di-n-butyl phthalate	--	--	17 JB	ND	ND	ND	ND											ND
Fluoranthene	100,000	100,000	28 J	ND	17 J	ND	41 J											ND
Phenanthrene	100,000		ND	ND	ND	ND	28 J											32 J
Pyrene	100,000	100,000	24 J	ND	ND	ND	34 J											ND
PESTICIDES (ug/Kg)																		
4,4'-DDE	3.3	8,900	0.43 J	0.40 J	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
4,4'-DDT	3.3	7,900	0.65 JB	ND	ND	ND	ND											ND
delta-BHC	40	360	0.45 J	0.46 J	ND	ND	ND											ND
Endosulfan sulfate	2,400	24,000	ND	ND	0.52 J	ND	ND											ND
Endrin Aldehyde	--	--	0.67 J	ND	ND	ND	ND											ND
HERBICIDES (ug/Kg)			ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
PCBs (ug/Kg)			ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND

**TABLE 7B**  
**132 DINGENS STREET - BCP REMEDIATION**  
**ANALYTICAL DATA - OFF-SITE IMPORTED MATERIALS: SOIL FILL**

SAMPLE TYPE/ ID	DER-10 SCOs		COMPOSITE SAMPLES (EXCL. VOCs)					GRAB SAMPLES (VOCs ONLY)										STONE
	UNRESTRICTED	RESTRICTED RESIDENTIAL	CHF-1	CHF-2	CHF-3	CHF-4	CHF-5	CHF-1A	CHF-1B	CHF-2A	CHF-2B	CHF-3A	CHF-3B	CHF-4A	CHF-4B	CHF-5A	CHF-5B	CRS-1
<b>METALS (mg/Kg)</b>																		
Aluminum	--	--	2900	2310	2980	2670	3100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2000
Antimony	--	--	ND	ND	ND	ND	ND											ND
Arsenic	13	16	1.5	1.2	2.1	1.2	1.6											3.4
Barium	350	350	12.8	10.2	12.7	13.2	15.1											16.8
Beryllium	7.2	14	0.19	0.14	0.18	0.15	0.18											0.12
Cadmium	2.5	2.5	0.21	0.2	0.18	0.2	0.18											0.81
Calcium	--	--	52600	44800	53400	47600	50700											184000
Chromium	30	36	4.1	3.3	4.0	4.0	4.5											4.4
Cobalt	--	--	1.9	1.7	2.2	2.0	2.1											1.4
Copper	50	270	7.4	6.2	7.7	6.1	7.0											3.5
Iron	--	--	5510	4600	5960	5420	5960											6210
Lead	63	400	7.2	6.6	8.3	7.6 B	8.6 B											147
Magnesium	--	--	24300	20400	23300	21400	19300											114000
Manganese	1,600	2,000	239	195	218	213	215											524
Nickel	30	140	4.2	3.6	4.9	4	4.9											4.1
Potassium	--	--	787	706	755	803	923											1270
Selenium	3.9	36	ND	ND	ND	ND	ND											ND
Silver	2	36	ND	ND	ND	ND	ND											ND
Sodium	--	--	173	142	165	256	203											242
Thallium	--	--	ND	ND	ND	ND	ND											ND
Vanadium	--	--	9.0	7.8	8.7	9.6	10.4											7.7
Zinc	109	2,200	68.4	60.7	70.4	67.1	65.4											199
Mercury	0.18	0.81	ND	ND	ND	ND	ND											ND
<b>Total Cyanide (mg/Kg)</b>	27	27	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND

Notes: 1. "NA" = Not Analyzed; "ND" = Not Detected

2. Only detected volatile and semivolatile compounds are listed; all metals analyzed are listed

**TABLE 7C**  
**132 DINGENS STREET - BCP REMEDIATION**  
**ANALYTICAL DATA - OFF-SITE IMPORTED MATERIALS**  
**CRUSHED STONE**

SAMPLE TYPE/ ID	RESTRICTED COMMERCIAL	CRUSHED STONE
		BFS-1
LAB BATCH NUMBER		J90293
Sample Date		11/2/2015
Percent Solids (%)		98.2
VOLATILE ORGANICS (VOCs, ug/Kg)		
Chloroform	--	0.35 J
SEMIVOLATILE ORGANICS (SVOCs, ug/Kg)		ND
PESTICIDES (ug/Kg)		ND
HERBICIDES (ug/Kg)		ND
PCBs (ug/Kg)		ND
METALS (mg/Kg)		
Arsenic	16	2.2
Barium	350	14.8
Beryllium	14	0.13
Cadmium	2.5	0.75
Chromium	36	ND
Copper	270	3.3
Lead	400	82.8
Manganese	2,000	441 B
Nickel	140	4.3 J
Selenium	36	ND
Silver	36	ND
Zinc	2,200	133
Mercury	0.81	ND
Total Cyanide (mg/Kg)	27	ND

Notes: 1. "NA" = Not Analyzed; "ND" = Not Detected

2. Only detected volatile and semivolatile compounds are listed; all metals analyzed are listed



# **APPENDIX A**

## **PROJECT PHOTOPAGES**



1. View of Topsoil Pile at Seneca Street Site



2. One of the three Test Pits for Sample CHF-1



3. View of the Test Pits for Sample CHF-2



4. View of the Test Pits for Sample CHF-3



5. View of the Test Pits for Sample CHF-4



6. View of the Test Pits for Sample CHF-5

**BCP REMEDIATION**

**132 DINGENS ST. SITE, BUFFALO, NY**



**OFF-SITE BACKFILL SOURCE**

DATE: April 7, 2015





1. South section of Pinto Construction Yard topsoil mound



2. North section of Pinto Construction Yard topsoil mound



3. South end of Pinto Construction Yard topsoil mound



4. North end of Pinto Construction Yard topsoil mound



5. View of Test Pit A



6. View of Test Pit M

**BCP REMEDIATION**

**132 DINGENS ST. SITE, BUFFALO, NY**



**OFF-SITE BACKFILL SOURCE**

DATE: May 12, 2015





1. Before a hot spot is excavated, plastic is put down for the excavated material



2. View of GS-30 being excavated



3. All excavated piles are covered with plastic before the end of each day



4. View of TS-9 as groundwater is pumped out



5. View of GS-30 as groundwater is pumped out



6. View of TS-4 after initial excavation

## BCP REMEDIATION

132 DINGENS ST. SITE, BUFFALO, NY



## SITE PHOTOGRAPHS

DATE: Jul 27-Aug 2, 2015





1. View of TS-13 excavation pile showing the bricks, bottles, scrap metal and other trash that typifies this site



2. View of GS-21 with foundation wall exposed on the east (right) border



3. The stored drill cuttings in the 55 gal drums were dumped onto the MW-2 excavation pile



4. View of TS-4 excavation as its west wall is widened another 2' in an attempt to border cleaner material



5. View of west wall of GS-30 after it was excavated an additional 2' in an attempt to border cleaner material



6. View of MW-2 Piezometer Well being decommissioned at MW-2

## BCP REMEDIATION

132 DINGENS ST. SITE, BUFFALO, NY



## SITE PHOTOGRAPHS

DATE: Aug 17-23, 2015





1. Pumping ground water out of TS-9



2. View of MW-7 and TS-9 at the east corner of the site and their excavation piles covered with plastic



3. View of Pinto's Equipment Wash being set up near the Building



4. View of GS-20 near the Cell Tower being excavated



5. View of Pinto crew pumping ground water out of TS-5



6. MW-2 contained very dark material below 4' and had a slight sheen on the ground water

## BCP REMEDIATION

132 DINGENS ST. SITE, BUFFALO, NY



## SITE PHOTOGRAPHS

DATE: Aug 24-30, 2015





1. View of cement being mixed with excavated soil at TS-9



2. After the cement is added to the pile, it is mixed inside the stone vat



3. Water is added during and after the mixing to achieve the correct moisture content



4. Before the end of the day, all mixed excavation piles are covered with plastic



5. Approved excavation piles are loaded into dump trucks for disposal. The plastic sheet keeps the outside of the truck clean.



6. View of GS-21 excavated pile being loaded into a tandem dump truck for disposal

## BCP REMEDIATION

132 DINGENS ST. SITE, BUFFALO, NY



## SITE PHOTOGRAPHS

DATE: Aug 31-Sep 6, 2015





1. View of GS-21 lined with plastic and ready to be filled with approved backfill soil



2. View of Tractor Trailer Dump Truck being loaded with excavated material from TS-5



3. View of excavation pile from another 2' deeper dig at MW-2



4. View of composite sample from MW-2 excavation pile



5. View of TS-5 lined with plastic and being backfilled with approved soil



6. View of TS-5 after it is graded off with gravel

## BCP REMEDIATION

132 DINGENS ST. SITE, BUFFALO, NY



## SITE PHOTOGRAPHS

DATE: Sep 7-13, 2015





1. View of GS-19 being marked for excavation



2. View of GS-19 after the first excavation is completed



3. View of the first excavation of GS-17 showing excavated trash and old railroad rail



4. Approved backfill material is staged on asphalt



5. GS-30 after being widened and deepened to border with cleaner material



6. View of excavated material from GS-30 drying out on plastic

## BCP REMEDIATION

132 DINGENS ST. SITE, BUFFALO, NY



## SITE PHOTOGRAPHS

DATE: Sep 14-20, 2015





1. View of GS-17 after vegetation has been cleared for further sampling



2. View of Pinto's excavator digging test pits at GS-17



3. Close view of a GS-17 test pit used for composite sampling



4. View of the south border of GS-19 after it has been widened



5. View of Cell Tower Expansion excavation



6. View of excavated material from Cell Tower Expansion excavation

**BCP REMEDIATION**

**132 DINGENS ST. SITE, BUFFALO, NY**



**SITE PHOTOGRAPHS**

DATE: Sep 21-27, 2015





1. View of Cell Tower Expansion after being filled in and graded



2. View of covered Cell Tower Expansion excavated material



3. View of stockpiled backfill soil and excavated material from GS-19 under plastic



4. View of stockpiled backfill soil and excavated material from GS-19 and Cell Tower material under plastic

**BCP REMEDIATION**

**132 DINGENS ST. SITE, BUFFALO, NY**



**SITE PHOTOGRAPHS**

DATE: Sep 28-Oct 4, 2015





1. View of TS-9 and MW-7 after they have been backfilled and graded



2. View of GS-30 after it has been backfilled and graded



3. View of TS-15 after excavation



4. View of GS-19 after widening in an attempt to border on cleaner material



5. View of excavated trash at the bottom of MW-2 as it is deepened again in an attempt to reach cleaner material



6. View of TS-13 after widening in an attempt to border on cleaner material

## BCP REMEDIATION

132 DINGENS ST. SITE, BUFFALO, NY



## SITE PHOTOGRAPHS

DATE: Oct 5-11, 2015





1. View of a lawn area of the site to be sampled



2. Close view during the sampling of the south most lawn area



3. View of some scrap metal that was excavated during widening of GS-19



4. Pinto's bulldozer gravels and grades a strip along the south border across from the Cell Tower



5. IEG takes confirmatory samples after GS-17 is further excavated



6. View of excavated material from GS-19

## BCP REMEDIATION

132 DINGENS ST. SITE, BUFFALO, NY



## SITE PHOTOGRAPHS

DATE: Oct 12-18, 2015





1. View of north section of site showing delivered gravel piles



2. View of south section of site after graveling and grading



3. View of north section of site after graveling and grading



4. Geotextile fabric is put down before the gravel is applied



5. View of GS-19 excavation pile while waiting for disposal approval



6. . View of TS-15 excavation pile while waiting for disposal approval

## BCP REMEDIATION

132 DINGENS ST. SITE, BUFFALO, NY



## SITE PHOTOGRAPHS

DATE: Oct 19-25, 2015





1. View of GS-19 after widening several times



2. View of most recently widened south wall of GS-19



3. View of GS-17 after east end was deepened by 1'



4. View of the north wall of the east end of GS-17



5. View of gravel application on the east section of the site



6. Close view of gravel application with the geotextile underlay on the north side of the site

## BCP REMEDIATION

132 DINGENS ST. SITE, BUFFALO, NY



## SITE PHOTOGRAPHS

DATE: Oct 26-Nov 1, 2015





1. Some of the last excavated piles are approved for disposal



2. Load after load of gravel is brought in to be spread around the site



3. GS-19 is widened to the south yet again in an attempt to find cleaner border material



4. View of grading and graveling on a north section of the site



5. After the gravel is graded, it is tamped down with a roller



6. The grading begins on the northeast section of the site

## BCP REMEDIATION

132 DINGENS ST. SITE, BUFFALO, NY



## SITE PHOTOGRAPHS

DATE: Nov 2-8, 2015





1. View of east end of the site after initial grading



2. View of geotextile and backfill being applied to northeast section of site



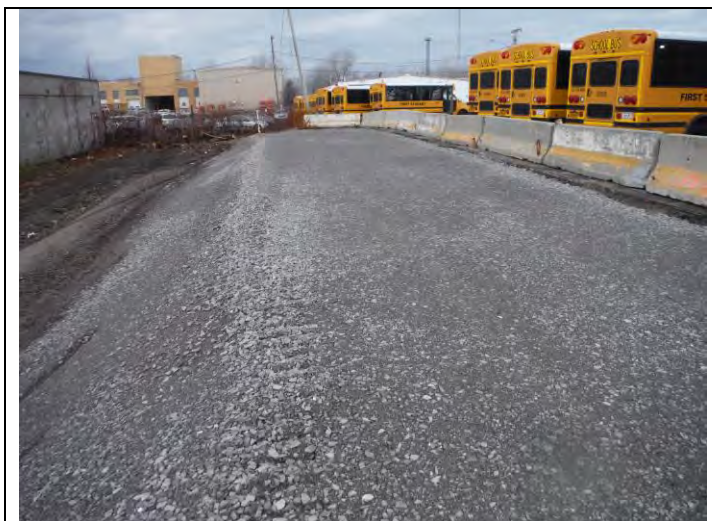
3. GS-19 is approved and gets backfilled



4. GS-17 is approved and gets backfilled



5. View of GS-19 after graveling and grading



6. View of GS-17 after graveling and grading

## BCP REMEDIATION

132 DINGENS ST. SITE, BUFFALO, NY



## SITE PHOTOGRAPHS

DATE: Nov 9-15, 2015





1. View of the southeast border of the property after grading



2. Truckloads of clean fill are brought in to raise the grade on the east end of the site



3. The bulldozer spreads backfill over the geotextile fabric



4. View of the backfill extending into the graded east end of the site



5. Gravel application continues on the northeast section of the property



6. A driveway is built to the UPS property to the immediate north

## BCP REMEDIATION

132 DINGENS ST. SITE, BUFFALO, NY



## SITE PHOTOGRAPHS

DATE: Nov 16-22, 2015





1. The eastern most corner has been graded and backfilled where needed



2. Gravel is applied over backfill on the east end



3. The entire northeast section has been graveled and graded



4. The driveway to the UPS property to the north has been paved



5. The north section of the property around the Cell Tower has been paved



6. View of the south section around the Cell Tower being paved

**BCP REMEDIATION**

**132 DINGENS ST. SITE, BUFFALO, NY**



**SITE PHOTOGRAPHS**

DATE: Nov 23-29, 2015





1. View of eastern most corner of the site with permanent perimeter fence installation in progress



2. The entire east end of the property has been graveled and graded



3. View of north central section of the property with perimeter fence in progress



4. Pinto adds topsoil around the border on the north section of the property



5. View of the western most leg of the property after paving has been completed



6. View of the south border of the property across from the Cell Tower after paving has been completed

## BCP REMEDIATION

132 DINGENS ST. SITE, BUFFALO, NY



## SITE PHOTOGRAPHS

DATE: Dec 14-20, 2015





1. Looking east along the south border next to large paved area



2. Close view of graded topsoil after seeding and mulch just outside property border fence on the east end



3. Looking north along the eastern border



4. Looking west along the northeastern border



5. The driveway access to the UPS property on the north border



6. Looking west along the north border near the driveway access

## BCP REMEDIATION

132 DINGENS ST. SITE, BUFFALO, NY



## SITE PHOTOGRAPHS (Borders East Half)

DATE: March 30, 2016





1. Looking west along the north border near the Building



2. Looking west along the north border near the Cell Tower



3. View of the west leg of the property



4. Looking east along the south border across from Cell Tower



5. Looking south from near the Building along the west border



6. Looking east along the south border near the foundation

**BCP REMEDIATION**

**132 DINGENS ST. SITE, BUFFALO, NY**



**SITE PHOTOGRAPHS  
(Borders West Half)**

DATE: March 30, 2016





1. Looking east from the middle of the property



2. The east side of concrete foundation showing stone ramp



3. Looking north across paved area showing UPS driveway



4. Looking south along border of gravelled east end and paved area to the west



5. Looking west from the east end of the property



6. View of the north central section of the property

## BCP REMEDIATION

132 DINGENS ST. SITE, BUFFALO, NY



## SITE PHOTOGRAPHS (Interior East Half)

DATE: March 30, 2016





1. Looking south across the property from the Building



2. Looking east from near property entrance toward concrete foundation



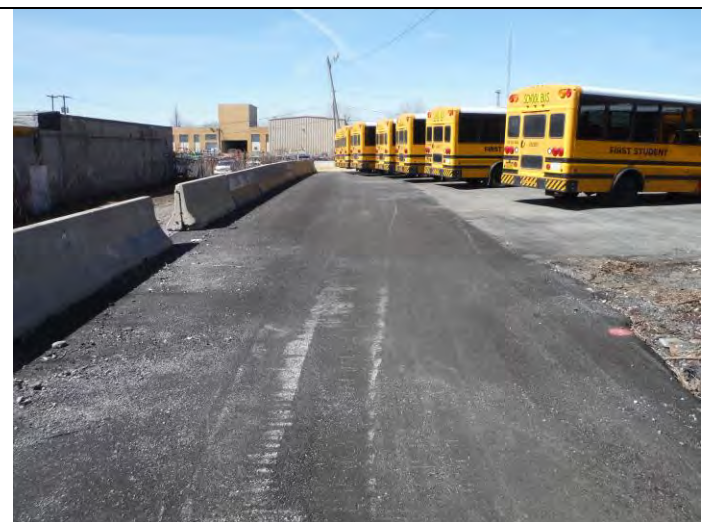
3. Looking east from the Cell Tower toward the Building



4. View of the new asphalt east of the Cell Tower



5. View of the new asphalt to the west of the Cell Tower



6. The newly paved west leg of the property

## BCP REMEDIATION

132 DINGENS ST. SITE, BUFFALO, NY



## SITE PHOTOGRAPHS (Interior West Half)

DATE: March 30, 2016

**APPENDIX B**

**SURVEY MAP, DEEDS & BOUNDS**





## SCHEDULE A

### PARCEL A

All that tract or parcel of land situate in the City of Buffalo, County of Erie and State of New York, being part of Lots Nos. 150, 151 and 152, Township 10, Range 7 of the Buffalo Creek Reservation and further bounded and described as follows:

Beginning at a point on the north line of Dingens Street distant 1,200.00 feet east from the point of intersection of the north line of Dingens Street with the east line of Bailey Avenue as now laid out, said point being the southeast corner of lands conveyed by Deed recorded in Liber 3889 of Deeds at page 293;

thence east along the north line of Dingens Street a distance of 237.82 feet to the most southerly southwest corner of lands conveyed to the City of Buffalo Urban Renewal Agency by Deed recorded in Liber 10094 of Deeds at Page 192;

thence northeasterly at a clockwise angle of  $133^{\circ} 20' 16''$  and along the lands conveyed by said last mentioned Deed a distance of 1075.0 feet to a point;

thence northwest at right angles to the last described line and along the lands conveyed by last mentioned Deed a distance of 300.0 feet to a point;

thence southwesterly at a clockwise angle of  $107^{\circ} 10' 48''$  and along the lands conveyed by said mentioned Deed a distance of 369.66 feet record and 369.35 feet measured to a point;

thence continuing southwesterly at a clockwise angle of  $170^{\circ} 12' 08''$  and along the lands conveyed by said last mentioned Deed a distance of 316.44 feet to a point;

thence northwesterly at right angles to the last described line a distance of 72.94 feet to a point;

thence southwesterly at a clockwise angle of  $107^{\circ} 47' 08''$  and along the lands conveyed by said last mentioned Deed a distance of 264.57 feet to a point;

thence continuing southwesterly at a clockwise angle of  $184^{\circ} 34' 01''$  and along the lands conveyed by said last mentioned Deed a distance of 423.71 feet to a point on the westerly line of lands conveyed to Pfeil Cooperage Inc. by Deed recorded in Liber 2343 of Deeds at Page 333, said point being 231.0 feet southerly of the northwest corner of lands conveyed by said last mentioned Deed;

thence southeasterly and along the westerly line of lands conveyed by said last mentioned Deed and at a clockwise angle of  $86^{\circ} 28' 04''$  a distance of 106.03 feet to lands described in Parcel 3 in a Deed to the Erie Railroad Company by Deed recorded in Liber 2053 of Deeds at Page 223;

thence southwesterly at a clockwise angle of  $282^{\circ} 33' 35''$  and along the Erie Railroad Company's lands a distance of 232.49 feet to a point;

thence southerly at a clockwise angle of  $97^{\circ} 54' 00''$  a distance of 20.19 feet to its intersection with a line drawn parallel with and distant 20 feet southerly measured at right angles from a course marked "Line C" on a map accompanying aforesaid Deed to Erie Railroad Company and recorded in Liber 2053 of Deeds at Page 223;

thence northeasterly along the last described parallel line a distance of 700.78 feet to the northeast corner of lands conveyed by Deed recorded in Liber 3889 of Deeds at page 293, said point also being in the north line of lands conveyed by Deed recorded in Liber 10883 of Deeds at page 8504;

thence southerly at a clockwise angle of  $277^{\circ} 01' 50''$  and along the easterly line of said Liber 3889 of Deeds at page 293 a distance of 386.65 feet to a point on the north line of Dingens Street at the point of beginning.



**APPENDIX C**  
**DIGITAL COPY OF FER (CD)**

**APPENDIX D**  
**ENVIRONMENTAL EASEMENT**



DATE	5/16/16
FILE NO	09-2262-A

FIRM

TKG

ORIGINATOR

Deane

SUBJECT:

132 Dingens Easement

INSTRUCTIONS:

Please file the attached  
Easement + return file  
stamped copies. ty!

CHRISTOPHER L. JACOBS, ERIE COUNTY CLERK  
REF:

DATE: 5/17/2016  
TIME: 11:42:28 AM  
RECEIPT: 16079532

PARALEGAL SERVICES OF BUFFALO  
ACCOUNT #: 9273

ITEM - 01 785  
RECD: 5/17/2016 11:44:24 AM  
FILE: 2016099658 BK/PG D 11296/1444  
Deed Sequence: TT2015020561  
132 DINGENS ST LLC  
PEOPLE OF THE STATE OF NEW YORK (THE)  
Recording Fees 95.00  
TP584 10.00

Subtotal 105.00

TOTAL DUE	\$105.00
PAID TOTAL	\$105.00
PAID ESCROW	\$105.00

REC BY: Sharon  
COUNTY RECORDER

CHECK ATTACHED: \_\_\_\_\_

ATTACHMENTS:

PERFORMANCE REPORT

DISBURSMT.

105.00

BY

EE

SERVICE FEE

NO. OF SERV

2

DATE COMPLETE

5/17/16

RECEIVED BY: \_\_\_\_\_

County: Erie Site No: C915263 Brownfield Cleanup Agreement Index : C915263-05-12 as  
amended August 14, 2012

FILED

MAY 17 2016

ENVIRONMENTAL EASEMENT GRANTED PURSUANT TO ARTICLE 71, TITLE 36

OF THE NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW

ERIE COUNTY  
CLERK'S OFFICE

**THIS INDENTURE** made this 2<sup>ND</sup> day of MAY, 2016, between Owner(s) 132 Dingens St, LLC, having an office at 1 Babcock Street, Buffalo, New York 14210, County of Erie, State of New York (the "Grantor"), and The People of the State of New York (the "Grantee."), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233,

**WHEREAS**, the Legislature of the State of New York has declared that it is in the public interest to encourage the remediation of abandoned and likely contaminated properties ("sites") that threaten the health and vitality of the communities they burden while at the same time ensuring the protection of public health and the environment; and

**WHEREAS**, the Legislature of the State of New York has declared that it is in the public interest to establish within the Department a statutory environmental remediation program that includes the use of Environmental Easements as an enforceable means of ensuring the performance of operation, maintenance, and/or monitoring requirements and the restriction of future uses of the land, when an environmental remediation project leaves residual contamination at levels that have been determined to be safe for a specific use, but not all uses, or which includes engineered structures that must be maintained or protected against damage to perform properly and be effective, or which requires groundwater use or soil management restrictions; and

**WHEREAS**, the Legislature of the State of New York has declared that Environmental Easement shall mean an interest in real property, created under and subject to the provisions of Article 71, Title 36 of the New York State Environmental Conservation Law ("ECL") which contains a use restriction and/or a prohibition on the use of land in a manner inconsistent with engineering controls which are intended to ensure the long term effectiveness of a site remedial program or eliminate potential exposure pathways to hazardous waste or petroleum; and

**WHEREAS**, Grantor, is the owner of real property located at the address of 132-136 Dingens Street in the City of Buffalo, County of Erie and State of New York, known and designated on the tax map of the County Clerk of Erie as tax map parcel numbers: Section 112.19 Block 1 Lot 14.11, being the same as that property conveyed to Grantor by deed dated June 20, 2012 and recorded in the Erie County Clerk's Office in Liber and Page 11225/899. The property subject to this Environmental Easement (the "Controlled Property") comprises approximately 13.2 +/- acres, and is hereinafter more fully described in the Land Title Survey dated January 12, 2012 and last revised March 10, 2016 prepared by Daniel J. Regan, NYSLLS, which will be attached to the Site Management Plan. The Controlled Property description is set forth in and attached hereto as Schedule A; and

**WHEREAS**, the Department accepts this Environmental Easement in order to ensure the protection of public health and the environment and to achieve the requirements for remediation



established for the Controlled Property until such time as this Environmental Easement is extinguished pursuant to ECL Article 71, Title 36; and

**NOW THEREFORE**, in consideration of the mutual covenants contained herein and the terms and conditions of Brownfield Cleanup Agreement Index Number: C915263-05-12 as amended August 14, 2012, Grantor conveys to Grantee a permanent Environmental Easement pursuant to ECL Article 71, Title 36 in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement").

1. Purposes. Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. Institutional and Engineering Controls. The controls and requirements listed in the Department approved Site Management Plan ("SMP") including any and all Department approved amendments to the SMP are incorporated into and made part of this Environmental Easement. These controls and requirements apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees and any person using the Controlled Property.

A. (1) The Controlled Property may be used for:

**Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv)**

(2) All Engineering Controls must be operated and maintained as specified in the Site Management Plan (SMP);

(3) All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP;

(4) The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Erie County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;

(5) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

(6) Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;

(7) All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

(8) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;

(9) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP;

(10) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement.

B. The Controlled Property shall not be used for Residential or Restricted Residential purposes as defined in 6NYCRR 375-1.8(g)(2)(i) and (ii), and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

C. The SMP describes obligations that the Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system, and providing certified reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. The SMP may be modified in accordance with the Department's statutory and regulatory authority. The Grantor and all successors and assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

Site Control Section  
Division of Environmental Remediation  
NYSDEC  
625 Broadway  
Albany, New York 12233  
Phone: (518) 402-9553

D. Grantor must provide all persons who acquire any interest in the Controlled Property a true and complete copy of the SMP that the Department approves for the Controlled Property and all Department-approved amendments to that SMP.

E. Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of ECL Article 71, Title 36 of the ECL, the property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

**This property is subject to an Environmental Easement held**



by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation Law.

F. Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

G. Grantor covenants and agrees that it shall, at such time as NYSDEC may require, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury, in such form and manner as the Department may require, that:

(1) the inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under the direction of the individual set forth at 6 NYCRR Part 375-1.8(h)(3).

(2) the institutional controls and/or engineering controls employed at such site:

(i) are in-place;

(ii) are unchanged from the previous certification, or that any identified changes to the controls employed were approved by the NYSDEC and that all controls are in the Department-approved format; and

(iii) that nothing has occurred that would impair the ability of such control to protect the public health and environment;

(3) the owner will continue to allow access to such real property to evaluate the continued maintenance of such controls;

(4) nothing has occurred that would constitute a violation or failure to comply with any site management plan for such controls;

(5) the report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

(6) to the best of his/her knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and

(7) the information presented is accurate and complete.

3. Right to Enter and Inspect. Grantee, its agents, employees, or other representatives of the State may enter and inspect the Controlled Property in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions.

4. Reserved Grantor's Rights. Grantor reserves for itself, its assigns, representatives, and successors in interest with respect to the Property, all rights as fee owner of the Property, including:

A. Use of the Controlled Property for all purposes not inconsistent with, or limited by the terms of this Environmental Easement;

B. The right to give, sell, assign, or otherwise transfer part or all of the underlying fee interest to the Controlled Property, subject and subordinate to this Environmental Easement;

5. Enforcement

A. This Environmental Easement is enforceable in law or equity in perpetuity by Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against the owner of the Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a defense in any action to enforce this Environmental Easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

B. If any person violates this Environmental Easement, the Grantee may revoke the Certificate of Completion with respect to the Controlled Property.

C. Grantee shall notify Grantor of a breach or suspected breach of any of the terms of this Environmental Easement. Such notice shall set forth how Grantor can cure such breach or suspected breach and give Grantor a reasonable amount of time from the date of receipt of notice in which to cure. At the expiration of such period of time to cure, or any extensions granted by Grantee, the Grantee shall notify Grantor of any failure to adequately cure the breach or suspected breach, and Grantee may take any other appropriate action reasonably necessary to remedy any breach of this Environmental Easement, including the commencement of any proceedings in accordance with applicable law.

D. The failure of Grantee to enforce any of the terms contained herein shall not be deemed a waiver of any such term nor bar any enforcement rights.

6. Notice. Whenever notice to the Grantee (other than the annual certification) or approval from the Grantee is required, the Party providing such notice or seeking such approval shall identify the Controlled Property by referencing the following information:

County, NYSDEC Site Number, NYSDEC Brownfield Cleanup Agreement, State Assistance Contract or Order Number, and the County tax map number or the Liber and Page or computerized system identification number.

Parties shall address correspondence to:      Site Number: C915263  
Office of General Counsel  
NYSDEC  
625 Broadway  
Albany New York 12233-5500

With a copy to:      Site Control Section  
Division of Environmental Remediation  
NYSDEC  
625 Broadway  
Albany, NY 12233

All notices and correspondence shall be delivered by hand, by registered mail or by Certified mail



and return receipt requested. The Parties may provide for other means of receiving and communicating notices and responses to requests for approval.

7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of this instrument by the Commissioner or her/his authorized representative in the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

8. Amendment. Any amendment to this Environmental Easement may only be executed by the Commissioner of the New York State Department of Environmental Conservation or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

9. Extinguishment. This Environmental Easement may be extinguished only by a release by the Commissioner of the New York State Department of Environmental Conservation, or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

10. Joint Obligation. If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

**Remainder of Page Intentionally Left Blank**

IN WITNESS WHEREOF, Grantor has caused this instrument to be signed in its name.

132 Dingens St, LLC:

By: 

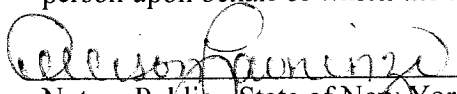
Print Name: James Panepinto

Title: Manager Date: 4/5/16

**Grantor's Acknowledgment**

STATE OF NEW YORK     )  
                                      ) ss:  
COUNTY OF                 )

On the 5th day of April, in the year 2016, before me, the undersigned, personally appeared James Panepinto, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

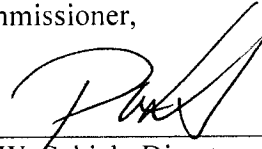
  
Notary Public - State of New York

Allison K. Laurienzo  
Notary Public State of New York  
Qualified in Erie County  
My Commission Expires 10/22/16



**THIS ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK**, Acting By and Through the Department of Environmental Conservation as Designee of the Commissioner,

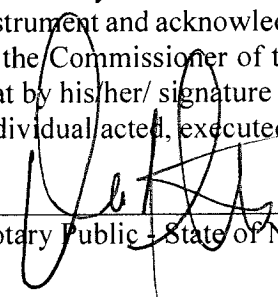
By:

  
Robert W. Schick, Director  
Division of Environmental Remediation

**Grantee's Acknowledgment**

STATE OF NEW YORK     )  
  ) ss:  
COUNTY OF ALBANY     )

On the 2<sup>nd</sup> day of May, in the year 2016, before me, the undersigned, personally appeared Robert W. Schick, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

  
Notary Public, State of New York

**David J. Chiusano**  
Notary Public, State of New York  
No. 01CH5032146  
Qualified in Schenectady County  
Commission Expires August 22, 2018

**SCHEDULE "A" PROPERTY DESCRIPTION**

ALL THAT TRACT OR PARCEL OF LAND situate in the City of Buffalo, County of Erie and State of New York, being part of Lots Nos. 150, 151 and 152, Township 10, Range 7 of the Buffalo Creek Reservation and further bounded and described as follows:

Beginning at a point on the north line of Dingens Street distant 1,200.00 feet east from the point of intersection of the north line of Dingens Street with the east line of Bailey Avenue as now laid out, said point being the southeast corner of lands conveyed by Deed recorded in Liber 3889 of Deeds at page 293;

Thence east along the north line of Dingens Street a distance of 237.82 feet to the most southerly southwest corner of lands conveyed to the City of Buffalo Urban Renewal Agency by Deed recorded in Liber 10094 of Deeds at page 192;

Thence northeasterly at a clockwise angle of 133° 20' 16" and along the lands conveyed by said last mentioned Deed a distance of 1075.0 feet to a point;

Thence northwest at right angles to the last described line and along the lands conveyed by last mentioned Deed a distance of 300.0 feet to a point;

Thence southwesterly at a clockwise angle of 107° 10' 48" and along the lands conveyed by said mentioned Deed a distance of 369.66 feet record and 369.35 feet measured to a point;

Thence continuing southwesterly at a clockwise angle of 170° 12' 08" and along the lands conveyed by said last mentioned Deed a distance of 316.44 feet to a point;

Thence northwesterly at right angles to the last described line a distance of 72.94 feet to a point;

Thence southwesterly at a clockwise angle of 107° 47' 08" and along the lands conveyed by said last mentioned Deed a distance of 264.57 feet to a point;

Thence continuing southwesterly at a clockwise angle of 184° 34' 01" and along the lands conveyed by said last mentioned Deed a distance of 423.71 feet to a point on the westerly line of lands conveyed to Pfeil Cooperage Inc. by Deed recorded in Liber 2343 of Deeds at page 333, said point being 231.0 feet southerly of the northwest corner of lands conveyed by said last mentioned Deed;

Thence southeasterly and along the westerly line of lands conveyed by said last mentioned Deed and at a clockwise angle of 86° 28' 04" a distance of 106.03 feet to lands described in Parcel 3 in a Deed to the Erie Railroad Company by Deed recorded in Liber 2053 of Deeds at page 223;

Thence southwesterly at a clockwise angle of 282° 33' 35" and along the Erie Railroad Company's lands a distance of 232.49 feet to a point;

Thence southerly at a clockwise angle of 97° 54' 00" a distance of 20.19 feet to its intersection with a line drawn parallel with and distant 20 feet southerly measured at right angles from a course marked "Line C" on a map accompanying aforesaid Deed to Erie Railroad Company and recorded

in Liber 2053 of Deeds at page 223;

Thence northeasterly at a clockwise angle of  $82^{\circ} 06' 00''$  a distance of 700.78 feet to the northeast corner of lands conveyed by Deed recorded in Liber 3889 of Deeds at page 293, said point also being in the north line of lands conveyed by Deed recorded in Liber 10883 of Deeds at page 8504;

Thence southerly at a clockwise angle of  $277^{\circ} 01' 50''$  and along the easterly line of said Liber 3889 of Deeds at page 293 a distance of 386.65 feet record and 386.67 feet measured to a point on the north line of Dingens Street at the point of beginning.

Containing 13.20 acres more or less.





**Combined Real Estate  
Transfer Tax Return,  
Credit Line Mortgage Certificate, and  
Certification of Exemption from the  
Payment of Estimated Personal Income Tax**

Recording office time stamp

**FILED**  
MAY 17 2016  
ERIE COUNTY  
CLERK'S OFFICE

See Form TP-584-I, Instructions for Form TP-584, before completing this form. Print or type.

**Schedule A — Information relating to conveyance**

<b>Grantor/Transferor</b> <input type="checkbox"/> Individual <input type="checkbox"/> Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Estate/Trust <input checked="" type="checkbox"/> Single member LLC <input type="checkbox"/> Other	Name (if individual, last, first, middle initial) ( <input type="checkbox"/> check if more than one grantor)			Social security number
	132 Dingens St, LLC			
	Mailing address			Social security number
	132 Dingens Street			
	City	State	ZIP code	Federal EIN
	Buffalo	NY	14206	35-2438055
	Single member's name if grantor is a single member LLC (see instructions)			Single member EIN or SSN
	James Panepinto			051-60-2697
<b>Grantee/Transferee</b> <input type="checkbox"/> Individual <input type="checkbox"/> Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Estate/Trust <input type="checkbox"/> Single member LLC <input checked="" type="checkbox"/> Other	Name (if individual, last, first, middle initial) ( <input type="checkbox"/> check if more than one grantee)			Social security number
	The People of the State of NY, acting through their Commissioner of the NYSDEC			
	Mailing address			Social security number
	625 Broadway			
	City	State	ZIP code	Federal EIN
	Albany	NY	12233	14-6013200
	Single member's name if grantee is a single member LLC (see instructions)			Single member EIN or SSN

## Location and description of property conveyed

Tax map designation – Section, block & lot (include dots and dashes)	SWIS code (six digits)	Street address	City, town, or village	County
112.19-1-14.11	140200	132 Dingens Street	Buffalo	Erie

## Type of property conveyed (check applicable box)

1 <input type="checkbox"/> One- to three-family house	5 <input checked="" type="checkbox"/> Commercial/Industrial	Date of conveyance <div style="border: 1px solid black; padding: 2px; display: inline-block;">           05   02   2016         </div> <div style="display: flex; justify-content: space-between; font-size: small;"> <span>month</span> <span>day</span> <span>year</span> </div>	Percentage of real property conveyed which is residential real property _____ 0 % (see instructions)
2 <input type="checkbox"/> Residential cooperative	6 <input type="checkbox"/> Apartment building		
3 <input type="checkbox"/> Residential condominium	7 <input type="checkbox"/> Office building		
4 <input type="checkbox"/> Vacant land	8 <input type="checkbox"/> Other _____		

## Condition of conveyance (check all that apply)

a. <input type="checkbox"/> Conveyance of fee interest	f. <input type="checkbox"/> Conveyance which consists of a mere change of identity or form of ownership or organization (attach Form TP-584.1, Schedule F)	i. <input type="checkbox"/> Option assignment or surrender
b. <input type="checkbox"/> Acquisition of a controlling interest (state percentage acquired _____ %)	g. <input type="checkbox"/> Conveyance for which credit for tax previously paid will be claimed (attach Form TP-584.1, Schedule G)	m. <input type="checkbox"/> Leasehold assignment or surrender
c. <input type="checkbox"/> Transfer of a controlling interest (state percentage transferred _____ %)	h. <input type="checkbox"/> Conveyance of cooperative apartment(s)	n. <input type="checkbox"/> Leasehold grant
d. <input type="checkbox"/> Conveyance to cooperative housing corporation	i. <input type="checkbox"/> Syndication	o. <input type="checkbox"/> Conveyance of an easement
e. <input type="checkbox"/> Conveyance pursuant to or in lieu of foreclosure or enforcement of security interest (attach Form TP-584.1, Schedule E)	j. <input type="checkbox"/> Conveyance of air rights or development rights	p. <input checked="" type="checkbox"/> Conveyance for which exemption from transfer tax claimed (complete Schedule B, Part III)
	k. <input type="checkbox"/> Contract assignment	q. <input type="checkbox"/> Conveyance of property partly within and partly outside the state
		r. <input type="checkbox"/> Conveyance pursuant to divorce or separation
		s. <input checked="" type="checkbox"/> Other (describe) <u>Env. Easement</u>

For recording officer's use	Amount received	Date received	Transaction number
	Schedule B., Part I \$ _____		
	Schedule B., Part II \$ _____		

**Schedule B — Real estate transfer tax return (Tax Law, Article 31)**

**Part I — Computation of tax due**

- 1 Enter amount of consideration for the conveyance (if you are claiming a total exemption from tax, check the exemption claimed box, enter consideration and proceed to Part III) ..... ☒ **Exemption claimed**
- 2 Continuing lien deduction (see instructions if property is taken subject to mortgage or lien) .....
- 3 Taxable consideration (subtract line 2 from line 1) .....
- 4 Tax: \$2 for each \$500, or fractional part thereof, of consideration on line 3 .....
- 5 Amount of credit claimed for tax previously paid (see instructions and attach Form TP-584.1, Schedule G) .....
- 6 Total tax due\* (subtract line 5 from line 4) .....

1.		
2.		
3.		
4.		
5.		
6.		

**Part II — Computation of additional tax due on the conveyance of residential real property for \$1 million or more**

- 1 Enter amount of consideration for conveyance (from Part I, line 1) .....
- 2 Taxable consideration (multiply line 1 by the percentage of the premises which is residential real property, as shown in Schedule A) ...
- 3 Total additional transfer tax due\* (multiply line 2 by 1% (.01)) .....

1.		
2.		
3.		

**Part III — Explanation of exemption claimed on Part I, line 1 (check any boxes that apply)**

The conveyance of real property is exempt from the real estate transfer tax for the following reason:

- a. Conveyance is to the United Nations, the United States of America, the state of New York, or any of their instrumentalities, agencies, or political subdivisions (or any public corporation, including a public corporation created pursuant to agreement or compact with another state or Canada)..... a ☒
- b. Conveyance is to secure a debt or other obligation..... b ☐
- c. Conveyance is without additional consideration to confirm, correct, modify, or supplement a prior conveyance..... c ☐
- d. Conveyance of real property is without consideration and not in connection with a sale, including conveyances conveying realty as bona fide gifts ..... d ☐
- e. Conveyance is given in connection with a tax sale..... e ☐
- f. Conveyance is a mere change of identity or form of ownership or organization where there is no change in beneficial ownership. (This exemption cannot be claimed for a conveyance to a cooperative housing corporation of real property comprising the cooperative dwelling or dwellings.) Attach Form TP-584.1, Schedule F..... f ☐
- g. Conveyance consists of deed of partition..... g ☐
- h. Conveyance is given pursuant to the federal Bankruptcy Act ..... h ☐
- i. Conveyance consists of the execution of a contract to sell real property, without the use or occupancy of such property, or the granting of an option to purchase real property, without the use or occupancy of such property ..... i ☐
- j. Conveyance of an option or contract to purchase real property with the use or occupancy of such property where the consideration is less than \$200,000 and such property was used solely by the grantor as the grantor's personal residence and consists of a one-, two-, or three-family house, an individual residential condominium unit, or the sale of stock in a cooperative housing corporation in connection with the grant or transfer of a proprietary leasehold covering an individual residential cooperative apartment..... j ☐
- k. Conveyance is not a conveyance within the meaning of Tax Law, Article 31, section 1401(e) (attach documents supporting such claim) ..... k ☐

\*The total tax (from Part I, line 6 and Part II, line 3 above) is due within 15 days from the date conveyance. Please make check(s) payable to the county clerk where the recording is to take place. If the recording is to take place in the New York City boroughs of Manhattan, Bronx, Brooklyn, or Queens, make check(s) payable to the **NYC Department of Finance**. If a recording is not required, send this return and your check(s) made payable to the **NYS Department of Taxation and Finance**, directly to the NYS Tax Department, RETT Return Processing, PO Box 5045, Albany NY 12205-5045.


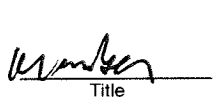
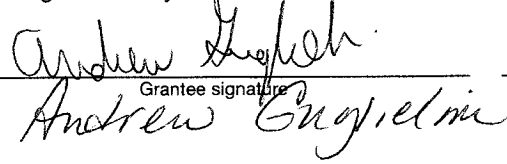
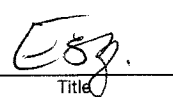
**Schedule C – Credit Line Mortgage Certificate** (Tax Law, Article 11)**Complete the following only if the interest being transferred is a fee simple interest.**

I (we) certify that: (check the appropriate box)

1. ☒ The real property being sold or transferred is not subject to an outstanding credit line mortgage.
2. ☐ The real property being sold or transferred is subject to an outstanding credit line mortgage. However, an exemption from the tax is claimed for the following reason:
- ☐ The transfer of real property is a transfer of a fee simple interest to a person or persons who held a fee simple interest in the real property (whether as a joint tenant, a tenant in common or otherwise) immediately before the transfer.
- ☐ The transfer of real property is (A) to a person or persons related by blood, marriage or adoption to the original obligor or to one or more of the original obligors or (B) to a person or entity where 50% or more of the beneficial interest in such real property after the transfer is held by the transferor or such related person or persons (as in the case of a transfer to a trustee for the benefit of a minor or the transfer to a trust for the benefit of the transferor).
- ☐ The transfer of real property is a transfer to a trustee in bankruptcy, a receiver, assignee, or other officer of a court.
- ☐ The maximum principal amount secured by the credit line mortgage is \$3,000,000 or more, and the real property being sold or transferred is **not** principally improved nor will it be improved by a one- to six-family owner-occupied residence or dwelling.
- Please note:** for purposes of determining whether the maximum principal amount secured is \$3,000,000 or more as described above, the amounts secured by two or more credit line mortgages may be aggregated under certain circumstances. See TSB-M-96(6)-R for more information regarding these aggregation requirements.
- ☐ Other (attach detailed explanation).
3. ☐ The real property being transferred is presently subject to an outstanding credit line mortgage. However, no tax is due for the following reason:
- ☐ A certificate of discharge of the credit line mortgage is being offered at the time of recording the deed.
- ☐ A check has been drawn payable for transmission to the credit line mortgagee or his agent for the balance due, and a satisfaction of such mortgage will be recorded as soon as it is available.
4. ☐ The real property being transferred is subject to an outstanding credit line mortgage recorded in \_\_\_\_\_ (insert liber and page or reel or other identification of the mortgage). The maximum principal amount of debt or obligation secured by the mortgage is \_\_\_\_\_. No exemption from tax is claimed and the tax of \_\_\_\_\_ is being paid herewith. (Make check payable to county clerk where deed will be recorded or, if the recording is to take place in New York City but not in Richmond County, make check payable to the **NYC Department of Finance**.)

**Signature (both the grantor(s) and grantee(s) must sign)**

The undersigned certify that the above information contained in schedules A, B, and C, including any return, certification, schedule, or attachment, is to the best of his/her knowledge, true and complete, and authorize the person(s) submitting such form on their behalf to receive a copy for purposes of recording the deed or other instrument effecting the conveyance.

			
Grantor signature	Title	Grantee signature	Title

**Reminder:** Did you complete all of the required information in Schedules A, B, and C? Are you required to complete Schedule D? If you checked e, f, or g in Schedule A, did you complete Form TP-584.1? Have you attached your check(s) made payable to the county clerk where recording will take place or, if the recording is in the New York City boroughs of Manhattan, Bronx, Brooklyn, or Queens, to the **NYC Department of Finance**? If no recording is required, send your check(s), made payable to the **Department of Taxation and Finance**, directly to the NYS Tax Department, RETT Return Processing, PO Box 5045, Albany NY 12205-5045.



**Schedule D - Certification of exemption from the payment of estimated personal income tax (Tax Law, Article 22, section 663)**

Complete the following only if a fee simple interest or a cooperative unit is being transferred by an individual or estate or trust.

If the property is being conveyed by a referee pursuant to a foreclosure proceeding, proceed to Part II, and check the second box under *Exemptions for nonresident transferor(s)/seller(s)* and sign at bottom.

**Part I - New York State residents**

If you are a New York State resident transferor(s)/seller(s) listed in Schedule A of Form TP-584 (or an attachment to Form TP-584), you must sign the certification below. If one or more transferors/sellers of the real property or cooperative unit is a resident of New York State, **each** resident transferor/seller must sign in the space provided. If more space is needed, please photocopy this Schedule D and submit as many schedules as necessary to accommodate all resident transferors/sellers.

**Certification of resident transferor(s)/seller(s)**

This is to certify that at the time of the sale or transfer of the real property or cooperative unit, the transferor(s)/seller(s) as signed below was a resident of New York State, and therefore is not required to pay estimated personal income tax under Tax Law, section 663(a) upon the sale or transfer of this real property or cooperative unit.

Signature	Print full name	Date
Signature	Print full name	Date
Signature	Print full name	Date
Signature	Print full name	Date

**Note:** A resident of New York State may still be required to pay estimated tax under Tax Law, section 685(c), but not as a condition of recording a deed.

**Part II - Nonresidents of New York State**

If you are a nonresident of New York State listed as a transferor/seller in Schedule A of Form TP-584 (or an attachment to Form TP-584) but are not required to pay estimated personal income tax because one of the exemptions below applies under Tax Law, section 663(c), check the box of the appropriate exemption below. If any one of the exemptions below applies to the transferor(s)/seller(s), that transferor(s)/seller(s) is not required to pay estimated personal income tax to New York State under Tax Law, section 663. **Each** nonresident transferor/seller who qualifies under one of the exemptions below must sign in the space provided. If more space is needed, please photocopy this Schedule D and submit as many schedules as necessary to accommodate all nonresident transferors/sellers.

If none of these exemption statements apply, you must complete Form IT-2663, *Nonresident Real Property Estimated Income Tax Payment Form*, or Form IT-2664, *Nonresident Cooperative Unit Estimated Income Tax Payment Form*. For more information, see *Payment of estimated personal income tax*, on page 1 of Form TP-584-I.

**Exemption for nonresident transferor(s)/seller(s)**

This is to certify that at the time of the sale or transfer of the real property or cooperative unit, the transferor(s)/seller(s) (grantor) of this real property or cooperative unit was a nonresident of New York State, but is not required to pay estimated personal income tax under Tax Law, section 663 due to one of the following exemptions:

- ☐ The real property or cooperative unit being sold or transferred qualifies in total as the transferor's/seller's principal residence (within the meaning of Internal Revenue Code, section 121) from \_\_\_\_\_ to \_\_\_\_\_ (see instructions).  
Date Date
- ☐ The transferor/seller is a mortgagor conveying the mortgaged property to a mortgagee in foreclosure, or in lieu of foreclosure with no additional consideration.
- ☐ The transferor or transferee is an agency or authority of the United States of America, an agency or authority of the state of New York, the Federal National Mortgage Association, the Federal Home Loan Mortgage Corporation, the Government National Mortgage Association, or a private mortgage insurance company.

Signature	Print full name	Date
Signature	Print full name	Date
Signature	Print full name	Date
Signature	Print full name	Date

# **APPENDIX E**

## **DAILY ACTIVITIES SUMMARY**

# APPENDIX E

## 132 DINGENS ST PROPERTY - BCP SITE REMEDIATION

### LOG OF DAILY ACTIVITIES

ACTIVITY	DESCRIPTION
12-May-2015	Sample Pinto's Yard backfill soil. Samples: CTS-1C, CTS-2C, CTS-3C, CTS-4G, CTS-5G, CTS-6G, CTS-7G, CTS-8G, CTS-9G, CTS-10G, CTS-11G, CTS-12G. Fill (1) Gradation Bag and leave with Pinto.
28-Jul-2015	Excavate areas TS-4 and GS-30. Cover excavated material with plastic.
29-Jul-2015	Excavate areas TS-9 and MW-7. Cover excavated material with plastic.
30-Jul-2015	Meeting with NYSDEC at site to discuss excavating and grading. Pump out water from MW-7. Sampled MW-7, TS-9, GS-30 and TS-4. Samples: CSW-1, CSW-2, CSW-3, CSW-4, CSW-5, CSW-6, CSW-7, CSW-8, CSW-9, CSW-10, CSW-11, CSW-12, CSW-13, CSW-14, CSW-15, CSW-16, CSW-17, CSW-18, CSB-1, CSB-2, CSB-3, CSB-4, LFS-1, LFS-2, LFS-3, LFS-4, LFS-5, LFS-6, LFS-7, LFS-8.
19-Aug-2015	Excavate TS-13 and GS-21. Cover excavated material with plastic.
20-Aug-2015	Excavate TS-13 (2' deeper) and TS-4. Empty stored 55 gal drill cuttings drums into excavated material from TS-13. Cover excavated material with plastic.
21-Aug-2015	Excavate GS-30 west wall and MW-2. Pump water out of GS-30 hole. Sampled GS-21, TS-13, MW-2, TS-4, GS-30. Samples: CSB-5, CSB-6, CSB-7, CSW-19, CSW-20, CSW-21, CSW-22, CSW-23, CSW-24, CSW-25, CSW-26, CSW-27, CSW-28, CSW-29, CSW-30, CSW-31, CSW-18-2, CSW-14-2, CSB-4-2, LFS-9, LFS-10, LFS-11, LFS-12, LFS-13, LFS-14, LFS-15, LFS-16.
24-Aug-2015	Water is pumped out of TS-9 and MW-7 holes. Meet with Pinto about job schedule.
27-Aug-2015	Sampled GS-20 and TS-5. Samples: CSW-32, CSW-33, CSW-34, CSW-35, CSW-36, CSW-37, CSW-38, CSW-39, CSW-40, CSW-41, CSW-42, CSB-8, CSB-9, LFS-17, LFS-18, LFS-19, LFS-20.
28-Aug-2015	(3) Soil loads disposed. Excavate TS-4 (2' west wall) and GS-30 (bottom and south wall) and MW-2 (bottom) and TS-13 (bottom and south and west walls). Mix cement with GS-30 excavation pile. Sample TS-4, GS-30, MW-2 and TS-13. Samples: CSW-18-3, CSW-12-2, CSB-3-2, CSB-5-2, CSB-6-2, CSW-20-2, CSW-21-2, CSW-23-2, LFS-17, LFS-18, LFS-16-T, LFS-5-T, LFS-19.
1-Sep-2015	Mixed cement into GS-30 and MW-7 excavation piles. Covered mixed piles with plastic. Sampled MW-7 and GS-30. Samples: LFS-5-T, LFS-6-T, LFS-24-T, LFS-1-T, LFS-2-T.
2-Sep-2015	Mixed cement into TS-9 excavated soil. Sample TS-9. Samples: LFS-3-T, LFS-4-T.
3-Sep-2015	(7?) soil loads disposed. Soil disposed from GS-21, MW-2 and TS-13. Install fences around excavations TS-9, MW-7, MW-2 and TS-13.
8-Sep-2015	Pinto mixes cement into GS-20 excavation pile. Backfills GS-21.
9-Sep-2015	(11?) soil loads disposed. Excavated MW-2 (2' deeper) TS-13 (south wall and west wall). Sampled TS-13, MW-2 and GS-20. Samples: CSW-21-3, CSW-23-3, CSB-5-3, LFS-18-7, LFS-25, LFS-26.
10-Sep-2015	TS-5 and GS-20 holes are lined with geotextile and backfilled. Graveled and graded south border from GS-10 area to GS-22 area.
11-Sep-2015	Excavated TS-15 area. Mixed excavated material from TS-15 with cement. Continue backfilling GS-20. Backfilled TS-4 after lining hole with geotextile. Added gravel over GS-20.
14-Sep-2015	Sampled GS-19, TS-15 and GS-17. Samples: CSW-44, CSW-45, CSW-46, CSW-47, CSW-48, CSW-49, CSW-50, CSW-51, CSW-52, CSW-53, CSW-54, CSW-55, CSW-56, CSW-57, CSW-58, CSW-59, CSB-10, CSB-11, CSB-12, ERB-4, LFS-27, LFS-28, LFS-29, LFS-30.
17-Sep-2015	(2?) soil loads disposed. Excavate MW-2 (2' deeper) TS-13 (south wall) GS-30 (>2' deeper). Sample MW-2, TS-13 and GS-30. Samples: CSB-5-4, CSB-3-3, CSW-21-4, LFS-31, LFS-32, LFS-33-T.
22-Sep-2015	IEG consults for an hour with Pinto about further excavations for GS-17 and GS-19.
23-Sep-2015	(7?) soil loads disposed. Excavates GS-19 (south, east and west walls). GS-17 excavates (2' deeper). Digs test pits every 30' going east from GS-17. Cover excavation piles with plastic.



## 132 DINGENS ST PROPERTY - BCP SITE REMEDIATION

### LOG OF DAILY ACTIVITIES

ACTIVITY	DESCRIPTION
24-Sep-2015	(? ) soil loads disposed. Mark cell tower expansion excavation. Sample GS-17, GS-19 and TS-15. CSB--13, CSB-14, CSB-15, CSB-16, CSW-50-2, CSW-53-2, CSW-52-2, CSW-51-2A, CSW-51-2B, CSW-60, LFS-34, LFS-35, LFS-36, LFS-37, LFS-38, LFS-39, LFS-40, LFS-41, LFS-42.
28-Sep-2015	Take samples from Cell Tower Excavation soil. Samples: LFS-43, LFS-44 and LFS-45.
9-Oct-2015	MW-2 - excavate > 3' deeper. TS-13 - excavate south wall. Take samples of south wall of TS-13, bottom of MW-2 and excavated pile from both digs. Samples: CSW-21-5, CSB-5-5 and LFS-46.
14-Oct-2015	Take samples from GS-17 and GS-19. Take surface soil samples in (2) lawn areas near the entrance to the site. Samples: TS-18, TS-19, TS-20, TS-21, LFS-47, LFS-48, CSB-12-2, CSB-13-2, CSB-14-2, CSB-17, CSB-15-2, CSW-51-3B, CSW-55-2, CSW-61, CSW-62, CSW-63, CSW-64, CSW-65, CSW-66, CSW-67, CSW-68, CSW-69 and CSW-70.
15-Oct-2015	Take sample of GS-19 excavation pile. Sample: LFS-41-T.
26-Oct-2015	Pinto is disposing of excavated soil piles LFS-41T and LFS 47/48. GS-19 - excavate south wall > 5'. GS-17 - excavate east most section > 1' deeper. Samples: CSW-51-4B, CSW-70-2 and CSB-15-3.
27-Oct-2015	Photo inspect entire site. Pinto is finishing the surface adjacent to the asphalt on the east end and the north and south sides of the west section. Black fabric is put down and crushed stone is graded over it.
2-Nov-2015	Pinto is disposing of excavated soil pile LFS 47. GS-19 - is excavated 15' south at the southeast corner. Pinto grades area between Cell Tower and GS-19. Puts the excess material with LFS-47 to be hauled away. Take sample of backfill stone. Samples: CSW-70-3 and BFS-1.
3-Nov-2015	Pinto is spreading black fabric and gravel on the northeast portion of the site.
11-Nov-2015	Photo inspect entire site.
13-Nov-2015	Pinto is finishing areas GS-17 and GS-19 with fabric and gravel.
18-Nov-2015	Pinto is bringing in soil and grading it over the fabric on the east end of the site.
25-Nov-2015	Pinto is grading stone over fabric on the east end of the site. The east end had been previously brought up to grade with soil. Asphalt is being put down on the south side of the west end of the site.
16-Dec-2015	Pinto is adding topsoil to north border around Cell Tower west leg. Bus Parking west extension is fully paved. East end has been graded and graveled. North section between TS-4 and GS-30 has been graded and graveled. A paved UPS access driveway has been added through the north border near GS-30.

**APPENDIX F**

**SOIL/WASTE DISPOSAL DOCUMENTATION**

**APPENDIX F-1**  
**WASTE HAULER**  
**PERMITS & CERTIFICATES**





**PART 364**

**WASTE TRANSPORTER PERMIT NO. 9A-035**

Pursuant to Article 27, Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

**PERMIT ISSUED TO:**

CARMEN M. PARISO, INC.  
3649 RIVER ROAD  
TONAWANDA, NY 14150

**PERMIT TYPE:**

☐ NEW  
☐ RENEWAL  
☒ MODIFICATION

CONTACT NAME: GERALD BEDNASZ  
COUNTY: ERIE  
TELEPHONE NO: (716)875-6168

EFFECTIVE DATE: 06/04/2016  
EXPIRATION DATE: 03/31/2017  
US EPA ID NUMBER:

**AUTHORIZED WASTE TYPES BY DESTINATION FACILITY:**

The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
Allied Waste Niagara Falls Landfill	Niagara Falls , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil	
Chaffee Landfill	Sardinia , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Waste Tires Grease Trap Waste	
Chautauqua Landfill	Ellery , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Waste Tires	
High Acres Western Expansion Landfill	Fairport , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil	
Hyland Landfill	Angelica , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant	
Mill Seat SLF	Riga , NY	Non-Hazardous Industrial/Commercial Asbestos	

\*\*\* AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) \*\*\*

**NOTE:** By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the Environmental Conservation Law, all applicable regulations, and the General Conditions printed on the back of this page.

ADDRESS: New York State Department of Environmental Conservation  
Division of Materials Management - Waste Transporter Program  
625 Broadway, 9th Floor  
Albany, NY 12233-7251

AUTHORIZED SIGNATURE: \_\_\_\_\_

Date: 06/03/16

# WASTE TRANSPORTER PERMIT

## GENERAL CONDITIONS

### The permittee must:

1. Carry a copy of this waste transporter permit in each vehicle to transport waste. Failure to produce a copy of the permit upon request is a violation of the permit.
2. Display the full name of the transporter on both sides of each vehicle and display the waste transporter permit number on both sides and rear of each vehicle containing waste. The displayed name and permit number must be in characters at least three inches high and of a color that contrasts sharply with the background.
3. Transport waste only in authorized vehicles. An authorized vehicle is one that is listed on this permit.
4. Submit to the Department a modification application for additions/deletions to the authorized fleet of vehicles. The permittee must wait for a modified permit before operating the vehicles identified in the modification application.
5. Submit to the Department a modification application to add a new waste category or a new destination facility, or to change the current waste or destination facility category. The permittee must wait for a modified permit before transporting new waste types or transporting to new destination facilities.
6. Submit to the Department a modification application for change of address or company name.
7. Comply with requirements for placarding and packaging as set forth in New York State Transportation Law as well as any applicable federal rules and regulations.
8. Contain all wastes in the vehicle so there is no leaking, blowing, or other discharge of waste.
9. Use vehicles to transport only materials not intended for human or animal consumption unless the vehicle is properly cleaned.
10. Comply with requirements for manifesting hazardous waste, regulated medical waste, or low-level radioactive waste as set forth in the New York State Environmental Conservation Law and the implementing regulations. Transporters who provide a pre-printed manifest to a generator/shipper/offeror of regulated waste shall ensure that all information is correct and clearly legible on all copies of the manifest.
11. Deliver waste only to transfer, storage, treatment and disposal facilities authorized to accept such waste. Permittee must demonstrate that facilities are so authorized if requested to do so.
12. Maintain liability insurance as required by New York State Environmental Conservation Law.
13. Maintain records of the amount of each waste type transported to each destination facility on a calendar-year basis. The transporter is obligated to provide a report of this information to the Department at the time of permit renewal, or to any law enforcement officer, if requested to do so.
14. Pay regulatory fees on an annual basis. Non-payment may be cause for revocation or suspension of permit.
15. This permit is not transferrable. A change of ownership will invalidate this permit.
16. This permit does not relieve the permittee from the obligation to obtain any other approvals or permits, or from complying with any other applicable federal, state, or local requirement.
17. **Renewal applications must be submitted no less than 30 days prior to the expiration date of the permit to:**

**New York State Department of Environmental Conservation  
Division of Materials Management, Waste Transporter Program  
625 Broadway, 9<sup>th</sup> Floor  
Albany, NY 12233-7251**

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF MATERIALS MANAGEMENT

**PART 364**  
**WASTE TRANSPORTER PERMIT NO. 9A-035**

Pursuant to Article 27, Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

**PERMIT ISSUED TO:**

CARMEN M. PARISO, INC.  
3649 RIVER ROAD  
TONAWANDA, NY 14150

CONTACT NAME: GERALD BEDNASZ  
COUNTY: ERIE  
TELEPHONE NO: (716)875-6168

**PERMIT TYPE:**

- ☐ NEW  
☐ RENEWAL  
☒ MODIFICATION

EFFECTIVE DATE: 06/04/2016  
EXPIRATION DATE: 03/31/2017  
US EPA ID NUMBER:

**AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)**

The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
Mill Seat SLF	Riga , NY	Petroleum Contaminated Soil	
Modern Landfill	Model City , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Waste Tires	
North Youngmann Commerce Center	Tonawanda , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
NRG Huntley	Tonawanda , NY	Non-Hazardous Industrial/Commercial	
Ontario County Sanitary Landfill	Stanley , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil	
TONAWANDA (T) LANDFILL	TONAWANDA , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
TONAWANDA BIOREMEDIATION FACILITY	TONAWANDA , NY	Petroleum Contaminated Soil	



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF MATERIALS MANAGEMENT

PART 364

WASTE TRANSPORTER PERMIT NO. 9A-035

Pursuant to Article 27, Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

CARMEN M. PARISO, INC.  
3649 RIVER ROAD  
TONAWANDA, NY 14150

PERMIT TYPE:

☐ NEW  
☐ RENEWAL  
☒ MODIFICATION

CONTACT NAME: GERALD BEDNASZ  
COUNTY: ERIE  
TELEPHONE NO: (716)875-6168

EFFECTIVE DATE: 06/04/2016  
EXPIRATION DATE: 03/31/2017  
US EPA ID NUMBER:

AUTHORIZED VEHICLES:

The Permittee is Authorized to Operate the Following Vehicles to Transport Waste:

(Vehicles enclosed in <>'s are authorized to haul Residential Raw Sewage and/or Septage only)

8 (Eight) Permitted Vehicle(s)

NY 11820JX  
NY 15980PC  
NY 28362MG  
NY 39239MC  
NY 39493JZ  
NY 53400PC  
NY AV97316  
NY AW94210  
End of List

**APPENDIX F-2**

**DISPOSAL FACILITY APPROVAL LETTERS**

Subj: **approval**  
Date: 8/27/2015 11:13:14 A.M. Eastern Daylight Time  
From: [brianh@modern-corp.com](mailto:brianh@modern-corp.com)  
To: [louiscannata@gmail.com](mailto:louiscannata@gmail.com), [jpinto@pintocs.com](mailto:jpinto@pintocs.com), [iegpllc@aol.com](mailto:iegpllc@aol.com), [gcatlin@pintoheavyconst.com](mailto:gcatlin@pintoheavyconst.com)

Gentlemen

We secured the first approval and I have spoken to Gary already and Pariso, plan on removing soil tomorrow AM.

Brian R. Hanaka

Account Executive, LEED WasteCap AP

Modern Disposal Services

PO Box 209

Model City, New York 14107

800-662-0012 ext 269

Direct: 716-405-1269

Cell: 716.417.9086, Fax: 716-754-8964

[brianh@modern-corp.com](mailto:brianh@modern-corp.com)

Website; [www.moderncorporation.com](http://www.moderncorporation.com) Please contact customer service at [cs@modern-corp.com](mailto:cs@modern-corp.com) or call 800-330-7107 for all your scheduling needs.

\*Any and all quotations presented via email unless otherwise noted are acceptable for a period of 60 days.



**APPENDIX F-3**  
**TABULATED LOAD SUMMARIES**

# TABLE F-3

## SOIL/FILL DAILY DISPOSAL DETAIL - MANIFESTS/QUANTITIES



Erie County Central-NY: CLIENT #3700-0100

Date	Scale Ticket	Route	Workorder #	Destination	Material	Weight (est)
8/28/2015	1002481047	BROKER	0001208088	ML	3700-0100	16.20
8/28/2015	1002481096	BROKER	0001208090	ML	3700-0100	13.68
8/28/2015	1002481099	BROKER	0001208091	ML	3700-0100	16.97
9/3/2015	1002482688	BROKER	0001213841	ML	3700-0100	16.09
9/3/2015	1002482704	PARISO	0001213842	ML	3700-0100	23.14
9/3/2015	1002482790	BROKER	0001213844	ML	3700-0100	19.26
9/3/2015	1002482823	PARISO	0001213845	ML	3700-0100	22.56
9/3/2015	1002482883	BROKER	0001213846	ML	3700-0100	20.25
9/3/2015	1002483006	BROKER	0001213847	ML	3700-0100	22.95
9/4/2015	1002483115	BROKER	0001214321	ML	3700-0100	21.24
9/4/2015	1002483136	BROKER	0001214322	ML	3700-0100	17.31
9/4/2015	1002483164	BROKER	0001214323	ML	3700-0100	21.41
9/4/2015	1002483225	BROKER	0001214324	ML	3700-0100	17.96
9/4/2015	1002483254	BROKER	0001214325	ML	3700-0100	8.89
9/9/2015	1002484003	BROKER	0001213843	ML	3700-0100	16.75
9/9/2015	1002484042	BROKER	0001216942	ML	3700-0100	19.07
9/9/2015	1002484048	BROKER	0001216943	ML	3700-0100	17.72
9/9/2015	1002484074	BROKER	0001216944	ML	3700-0100	28.73
9/9/2015	1002484104	BROKER	0001216945	ML	3700-0100	29.64
9/9/2015	1002484137	BROKER	0001216946	ML	3700-0100	30.15
9/9/2015	1002484146	BROKER	0001216947	ML	3700-0100	18.69
9/9/2015	1002484169	BROKER	0001216948	ML	3700-0100	19.52
9/9/2015	1002484186	BROKER	0001216949	ML	3700-0100	24.68
9/9/2015	1002484230	BROKER	0001216950	ML	3700-0100	22.36
9/9/2015	1002484251	BROKER	0001216951	ML	3700-0100	22.25
9/9/2015	1002484289	BROKER	0001216952	ML	3700-0100	29.02
9/15/2015	1002485882	BROKER	0001218639	ML	3700-0100	19.07
9/15/2015	1002485893	PARISO	0001218640	ML	3700-0100	23.97
9/15/2015	1002485909	BROKER	0001218641	ML	3700-0100	20.54
9/15/2015	1002485961	BROKER	0001218642	ML	3700-0100	20.62
9/15/2015	1002485991	BROKER	0001218643	ML	3700-0100	19.29
9/15/2015	1002486015	PARISO	0001218644	ML	3700-0100	22.88
9/15/2015	1002486022	BROKER	0001218645	ML	3700-0100	23.07
9/15/2015	1002486044	BROKER	0001218646	ML	3700-0100	20.40
9/15/2015	1002486077	BROKER	0001218647	ML	3700-0100	21.87
9/15/2015	1002486111	BROKER	0001218648	ML	3700-0100	21.11
9/15/2015	1002486135	PARISO	0001218649	ML	3700-0100	23.16
9/15/2015	1002486158	BROKER	0001218650	ML	3700-0100	20.32
9/15/2015	1002486201	BROKER	0001218651	ML	3700-0100	20.36
9/15/2015	1002486216	BROKER	0001218652	ML	3700-0100	12.41
9/16/2015	1002486322	PARISO	0001221267	ML	3700-0100	22.51
9/16/2015	1002486327	BROKER	0001221268	ML	3700-0100	19.06
9/16/2015	1002486430	PARISO	0001221269	ML	3700-0100	22.42

# TABLE F-3

## SOIL/FILL DAILY DISPOSAL DETAIL - MANIFESTS/QUANTITIES



Erie County Central-NY: CLIENT #3700-0100

Date	Scale Ticket	Route	Workorder #	Destination	Material	Weight (est)
9/16/2015	1002486434	BROKER	0001221270	ML	3700-0100	17.38
9/16/2015	1002486575	PARISO	0001221271	ML	3700-0100	14.77
9/17/2015	1002486765	BROKER	0001221814	ML	3700-0100	23.35
9/17/2015	1002486885	BROKER	0001221815	ML	3700-0100	20.44
9/17/2015	1002487016	BROKER	0001221816	ML	3700-0100	21.68
9/17/2015	1002487102	BROKER	0001221817	ML	3700-0100	20.79
9/22/2015	1002488060	BROKER	0001225082	ML	3700-0100	20.08
9/22/2015	1002488175	BROKER	0001225083	ML	3700-0100	20.19
9/22/2015	1002488310	BROKER	0001225084	ML	3700-0100	19.96
9/23/2015	1002488469	BROKER	0001225448	ML	3700-0100	20.45
9/23/2015	1002488587	BROKER	0001225449	ML	3700-0100	22.07
9/23/2015	1002488601	BROKER	0001225450	ML	3700-0100	17.73
9/23/2015	1002488697	BROKER	0001225452	ML	3700-0100	22.21
9/23/2015	1002488701	BROKER	0001225451	ML	3700-0100	21.34
9/23/2015	1002488786	PARISO	0001225453	ML	3700-0100	23.46
9/23/2015	1002488792	BROKER	0001225454	ML	3700-0100	24.88
9/24/2015	1002488887	BROKER	0001225972	ML	3700-0100	25.30
9/24/2015	1002489000	BROKER	0001225973	ML	3700-0100	22.27
9/29/2015	1002490232	BROKER	0001228729	ML	3700-0100	16.81
9/29/2015	1002490358	BROKER	0001228730	ML	3700-0100	21.45
9/29/2015	1002490478	BROKER	0001228731	ML	3700-0100	23.75
10/12/2015	1002494138	BROKER	0001235486	ML	3700-0100	29.50
10/12/2015	1002494158	BROKER	0001235499	ML	3700-0100	37.70
10/12/2015	1002494238	BROKER	0001235500	ML	3700-0100	40.24
10/12/2015	1002494242	BROKER	0001235501	ML	3700-0100	42.41
10/12/2015	1002494335	BROKER	0001235502	ML	3700-0100	37.96
10/12/2015	1002494337	BROKER	0001235503	ML	3700-0100	36.34
10/12/2015	1002494433	BROKER	0001235504	ML	3700-0100	36.12
10/12/2015	1002494451	BROKER	0001235505	ML	3700-0100	39.40
10/13/2015	1002494516	BROKER	0001236775	ML	3700-0100	23.96
10/13/2015	1002494526	BROKER	0001236776	ML	3700-0100	24.29
10/13/2015	1002494531	BROKER	0001236777	ML	3700-0100	22.31
10/13/2015	1002494539	BROKER	0001236778	ML	3700-0100	21.70
10/13/2015	1002494554	BROKER	0001236779	ML	3700-0100	26.82
10/13/2015	1002494602	BROKER	0001236780	ML	3700-0100	18.04
10/13/2015	1002494619	BROKER	0001236781	ML	3700-0100	20.64
10/13/2015	1002494624	BROKER	0001236782	ML	3700-0100	16.96
10/13/2015	1002494654	BROKER	0001236783	ML	3700-0100	21.06
10/13/2015	1002494689	BROKER	0001236784	ML	3700-0100	20.25
10/13/2015	1002494718	BROKER	0001236785	ML	3700-0100	22.52
10/13/2015	1002494728	BROKER	0001236786	ML	3700-0100	21.95
10/13/2015	1002494779	BROKER	0001236787	ML	3700-0100	22.52
10/13/2015	1002494790	BROKER	0001236790	ML	3700-0100	21.46



# TABLE F-3

## SOIL/FILL DAILY DISPOSAL DETAIL - MANIFESTS/QUANTITIES



Erie County Central-NY: CLIENT #3700-0100

Date	Scale Ticket	Route	Workorder #	Destination	Material	Weight (est)
10/13/2015	1002494800	BROKER	0001236788	ML	3700-0100	23.12
10/13/2015	1002494801	BROKER	0001236789	ML	3700-0100	18.70
10/13/2015	1002494810	BROKER	0001236791	ML	3700-0100	19.29
10/13/2015	1002494819	BROKER	0001236792	ML	3700-0100	21.37
10/13/2015	1002494828	BROKER	0001236793	ML	3700-0100	21.21
10/14/2015	1002494944	BROKER	0001237477	ML	3700-0100	16.44
10/14/2015	1002494962	BROKER	0001237478	ML	3700-0100	20.15
10/14/2015	1002494982	BROKER	0001237479	ML	3700-0100	21.77
10/14/2015	1002495031	BROKER	0001237480	ML	3700-0100	26.95
10/14/2015	1002495042	BROKER	0001237481	ML	3700-0100	26.71
10/14/2015	1002495075	BROKER	0001237482	ML	3700-0100	28.11
10/14/2015	1002495122	BROKER	0001237483	ML	3700-0100	25.01
10/26/2015	1002498433	PARISO	0001243213	ML	3700-0100	19.05
10/26/2015	1002498449	BROKER	0001243214	ML	3700-0100	18.56
10/26/2015	1002498462	BROKER	0001243215	ML	3700-0100	17.74
10/26/2015	1002498474	BROKER	0001243216	ML	3700-0100	17.50
10/26/2015	1002498532	PARISO	0001243217	ML	3700-0100	23.73
10/26/2015	1002498557	BROKER	0001243218	ML	3700-0100	23.99
10/26/2015	1002498574	BROKER	0001243219	ML	3700-0100	20.96
10/26/2015	1002498577	BROKER	0001243220	ML	3700-0100	19.92
10/26/2015	1002498635	PARISO	0001243221	ML	3700-0100	21.19
10/26/2015	1002498665	BROKER	0001243222	ML	3700-0100	20.49
10/26/2015	1002498686	BROKER	0001243223	ML	3700-0100	19.05
10/26/2015	1002498699	BROKER	0001243224	ML	3700-0100	15.24
10/26/2015	1002498750	PARISO	0001243225	ML	3700-0100	22.36
10/26/2015	1002498766	BROKER	0001243226	ML	3700-0100	20.09
10/26/2015	1002498803	BROKER	0001243227	ML	3700-0100	19.42
10/26/2015	1002498809	BROKER	0001243228	ML	3700-0100	18.47
10/27/2015	1002498880	PARISO	0001244760	ML	3700-0100	19.75
10/27/2015	1002498904	BROKER	0001244761	ML	3700-0100	18.49
10/27/2015	1002498985	PARISO	0001244762	ML	3700-0100	20.29
10/27/2015	1002499019	BROKER	0001244763	ML	3700-0100	19.75
10/27/2015	1002499092	PARISO	0001244764	ML	3700-0100	20.72
11/2/2015	1002500510	BROKER	0001246922	ML	3700-0100	22.58
11/2/2015	1002500622	BROKER	0001246923	ML	3700-0100	23.52
11/2/2015	1002500745	BROKER	0001246924	ML	3700-0100	29.34
<b>3700-0100 Total</b>						<b>2,695.09</b>
						<b>2,695.09</b>

**APPENDIX F-4**  
**WASTE MANIFESTS/BILLS OF LADING**  
**(included on CD)**

LARDON CONST. CORP.

108 LAKE AVENUE

BLADELL, NY 14219

716-822-4642

ORDER

NO.

Pinto

DATE

11-20-15

SOLD

TO

Pariso Trucking

# 232

Tandem

3 loads dirty brush

1 load Stumps

*[Signature]*

31502

Thank-you



*Swift  
River  
Associates, Inc.*

4051 RIVER ROAD 561 PAVEMENT RD.  
TONAWANDA, NEW YORK 14150 LANCASTER, NEW YORK 14086  
SCALE: (716) 875-0902 FAX: (716) 875-0088

**Recycled Crushed Concrete Products**  
WE ACCEPT CLEAN BROKEN CONCRETE & ASPHALT  
AT BOTH LOCATIONS.

*Delivery Available*

CUSTOMER #

CUSTOMER NAME

TICKET #

**S 309277**

DATE

09/04/2015

TIME

02:03PM

JOB #

SHIP TO

CUSTOMER P.O. #

GROSS 47340 lb

TARE 27440 lb RECALLED

NET 19900 lb

9.94 t

PRODUCT

*Broken Concrete in*

SITE

*Tipping*

WEIGHMASTERS: S.RAWE / E.RAWE  
N.Y.S. LICENSE #140331 / 601381

WEIGHED BY

TRUCK NO.

233

TRUCKING CO.:

TRUCKER'S  
SIGNATURE

**BILLING**

# MODERN Corporation

1445 Fletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002481047  
Date: 8/28/2015  
Time: 08:45:29 - 08:47:05  
Scale

Gross: 56980 POU In Scale INBOUND  
Tare: 24580 POU P.T.  
Net: 32400 POU

Truck: PARISO-232  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-003/PARISO INC. CARMEN

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC  
Profile: M15-2829/132 DINGENS SITE, LLC  
WO: 0001208088

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Bufalo	DC DEC Approved Waste	16.20	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman

# MODERN Corporation

1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002481096  
Date: 8/28/2015  
Time: 09:47:08 - 09:47:51  
Scale

Gross: 53620 POU In      Scale INBOUND  
Tare: 26260 POU      P.T.  
Net: 27360 POU

Truck: PARISO-104  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-004/PARISO, B TRANSPORT

Truck Type: TA

Route: BROKER/SUB OUT VARIOUS BRC

WO: 0001208090

Profile: M15-2829/132 DINGENS SITE,LLC

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Bufalo	DC DEC Approved Waste	13.68	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman





1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226

Corporation



Ticket: 1002481099  
Date: 8/28/2015  
Time: 09:54:28 - 09:55:05  
Scale

Gross: 61320 POU In Scale INBOUND  
Tare: 27380 POU P.T.  
Net: 33940 POU

Truck: PARISO-16  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PAR1-002/Pariso Hauling

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC  
Profile: M15-2829/132 DINGENS SITE,LLC -  
WO: 0001208091

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	16.97	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226

Corporation



Ticket: 1002482790  
Date: 9/3/2015  
Time: 10:56:34 - 10:57:06  
Scale

Gross: 65420 POU In Scale INBOUND  
Tare: 26900 POU P.T.  
Net: 38520 POU

Truck: PARISO-246  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-003/PARISO INC. CARMEN

Truck Type: IA  
Route: BROKER/SUB OUT VARIOUS BRC WO: 0001213844  
Profile: M15-2829/132 DINGENS SITE,LLC - Manifest: AREA "L"

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	19.26	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman

# MODERN Corporation

1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002482688  
Date: 9/3/2015  
Time: 08:41:34 - 08:42:42

Scale

Gross: 59080 POU In Scale INBOUND  
Tare: 26900 POU P.T.  
Net: 32180 POU

Truck: PARISO-246  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-003/PARISO INC. CARMEN

Truck Type: TA

Route: BROKER/SUB OUT VARIOUS BRC WO: 0001213841  
Profile: M15-2829/132 DINGENS SITE,LLC - Manifest: AREA 'L'

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Bufalo	DC DEC Approved Waste	16.09	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman





1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002482704  
Date: 9/3/2015  
Time: 09:11:17 - 09:11:44  
Scale

Gross: 73880 POU In Scale INBOUND  
Tare: 27600 POU P.T.  
Net: 46280 POU

Truck: PARISO-13  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-003/PARISO INC. CARMEN

Truck Type: TA  
Route: PARISO/PARISO  
Profile: M15-2829/132 DINGENS SITE,LLC  
WO: 0001213842  
Manifest: AREA "L"

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Bufalo	DC DEC Approved Waste	23.14	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman

# MODERN Corporation

1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002482823  
Date: 9/3/2015  
Time: 11:51:10 - 11:51:52  
Scale

Gross: 72720 POU In Scale INBOUND  
Tare: 27600 POU P.T.  
Net: 45120 POU

Truck: PARISO-13  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-002/Pariso Hauling

Truck Type: TA

Route: PARISO/PARISO

WO: 0001213845

Profile: M15-2829/132 DINGENS SITE,LLC Manifest: SECTION D

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC

Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	22.56	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002482883  
Date: 9/3/2015  
Time: 13:09:43 - 13:10:05  
Scale

Gross: 67400 POU In Scale INBOUND  
Tare: 26900 POU P.T.  
Net: 40500 POU

Truck: PARISO-246  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-003/PARISO INC. CARMEN

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC WO: 0001213846  
Profile: M15-2829/132 DINGENS SITE,LLC -

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	20.25	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



# MODERN Corporation

1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002483006  
Date: 9/3/2015  
Time: 15:35:04 - 15:35:22  
Scale

Gross: 72800 POU In      Scale INBOUND  
Tare: 26900 POU      P.T.  
Net: 45900 POU

Truck: PARISO-246  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-002/Pariso Hauling

Truck Type: TA  
Route: BROKER/SUB OLT VARIOUS BRC  
Profile: M15-2829/132 DINGENS SITE,LLC

WO: 0001213847

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Bufalo	DC DEC Approved Waste	22.95	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman

# MODERN Corporation

1445 Fletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002483115  
Date: 9/4/2015  
Time: 08:47:11 - 08:48:00  
Scale

Gross: 69200 POUIn Scale INBOUND  
Tare: 26720 POU P.T.  
Net: 42480 POU

Truck: PARISO-223  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-003/PARISO INC. CARMEN

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC  
Profile: M15-2829/132 DINGENS SITE,LLC  
WO: 0001214321

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Bufalo	DC DEC Approved Waste	21.24	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman

# MODERN Corporation

1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002483136  
Date: 9/4/2015  
Time: 09:25:43 - 09:26:26  
Scale

Gross: 61520 POU In Scale INBOUND  
Tare: 26900 POU P.T.  
Net: 34620 POU

Truck: PARISO-246  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-003/PARISO INC. CARMEN

Truck Type: IA  
Route: BROKER/SUB OUT VARIOUS BRC WO: 0001214322  
Profile: M15-2829/132 DINGENS SITE, LLC -

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	17.31	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman





1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002483164  
Date: 9/4/2015  
Time: 09:59:55 - 10:01:05  
Scale

Gross: 69700 POU In Scale INBOUND  
Tare: 26880 POU P.T.  
Net: 42820 POU

Truck: PARISO-233  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-001/PARISO INC, CARMEN

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC WO: 0001214323  
Profile: M15-2829/132 DINGENS SITE,LLC - Manifest: LSF#13/14

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment: area "D"

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	21.41	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002483254  
Date: 9/4/2015  
Time: 11:55:27 - 11:55:54  
Scale

Gross: 44680 POU In Scale INBOUND  
Tare: 26900 POU P.T.  
Net: 17780 POU

Truck: PARISO-246  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-002/Pariso Hauling

Truck Type: TA

Route: BROKER/SUB OUT VARIOUS BRC  
Profile: M15-2829/132 DINGENS SITE,LLC

WO: 0001214325

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Bufalo	DC DEC Approved Waste	8.89	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226

Truck: PARISO-223  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-001/PARISO INC, CARMEN

Truck Type: TA

Route: BROKER/SUB OUT VARIOUS BRG

WO: 0001214324

Profile: M15-2829/132 DINGENS SITE, LLC - Manifest: LFS#15 "B"

Generator: 0250310002/MODERN DISPOSAL ROI

Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC

Comment:



Ticket: 1002483225

Date: 9/4/2015

Time: 11:07:32 - 11:09:12

Scale

Gross: 62640 POU In Scale INBOUND

Tare: 26720 POU P.T.

Net: 35920 POU

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	17.96	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman





1445 Fletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002484003  
Date: 9/9/2015  
Time: 07:53:06 - 07:53:42  
Scale

Gross: 64040 POU In Manual Wt M  
Tare: 30540 POU P.T.  
Net: 33500 POU

Truck: LARABA-99  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LARAB-001/LARABA ENTERPRISE

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC WO: 0001213843  
Profile: M15-2829/132 DINGENS SITE,LLC - Manifest: LFS-13-14

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	16.75	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Fletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002484042  
Date: 9/9/2015  
Time: 08:55:08 - 08:55:33  
Scale

Gross: 67280 POU In Scale INBOUND  
Tare: 29140 POU P.T.  
Net: 38140 POU

Truck: A64-TA  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LCA-001/LCA DEVELOPMENT

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC WO: 0001216942  
Profile: M15-2829/132 DINGENS SITE, LLC - Manifest: LFS20

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Bufalo	DC DEC Approved Waste	19.07	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman

# MODERN Corporation

1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002484048  
Date: 9/9/2015  
Time: 09:11:58 - 09:12:27  
Scale

Gross: 64580 POUIn Scale INBOUND  
Tare: 29140 POU P.T.  
Net: 35440 POU

Truck: L65-TA  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LCA-001/LCA DEVELOPMENT

Truck Type: TA  
Route: BROKER/SLB OUT VARIOUS BRC WO: 0001216943  
Profile: M15-2829/132 DINGENS SITE,LLC Manifest: LFS20

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	17.72	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



# MODERN Corporation

1445 Fletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002484074  
Date: 9/9/2015  
Time: 09:36:44 - 09:49:38  
Scale

Gross: 92760 POUIn Scale INBOU  
Tare: 35300 POUOut Scale OUTBOI  
Net: 57460 POU

Truck: A82-T22  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LCA-001/LCA DEVELOPMENT

Truck Type: DT  
Route: BROKER/SUB OUT VARIOUS BRC WO: 0001216944  
Profile: M15-2829/132 DINGENS SITE,LLC

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	28.73	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Fletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002484104  
Date: 9/9/2015  
Time: 10:03:19 - 10:20:54  
Scale

Gross: 93060 POUIn Scale INBOU  
Tare: 33780 POUOut Scale OUTBO  
Net: 59280 POU

Truck: A83-T24  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LCA-001/LCA DEVELOPMENT

Truck Type: DT  
Route: BROKER/SUB OUT VARIOUS BRC WO: 0001216945  
Profile: M15-2829/132 DINGENS SITE,LLC Manifest: LFS20 AREA E

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	29.64	TON

Driver: \_\_\_\_\_

Weighmaster: Kevin Vendetta

# MODERN Corporation

1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002484137  
Date: 9/9/2015  
Time: 10:31:49 - 10:48:55  
Scale

Gross: 95960 POUIn Scale INBOU  
Tare: 35660 POUOut Scale OUTBO  
Net: 60300 POU

Truck: A76-T28  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LCA-001/LCA DEVELOPMENT

Truck Type: DT  
Route: BROKER/SUB OUT VARIOUS BRC WO: 0001216946  
Profile: M15-2829/132 DINGENS SITE,LLC Manifest: LFS19 "E"

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	30.15	TON

Driver: \_\_\_\_\_

Weighmaster: Kevin Vendetta



# MODERN Corporation

1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002484146  
Date: 9/9/2015  
Time: 10:57:12 - 10:57:57  
Scale

Gross: 66520 POU In      Scale INBOUND  
Tare: 29140 POU      P.T.  
Net: 37380 POU

Truck: A64-TA  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LCA-001/LCA DEVELOPMENT

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC      WO: 0001216947  
Profile: M15-2829/132 DINGENS SITE, LLC      Manifest: LFS19 AREA E

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	18.69	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002484169  
Date: 9/9/2015  
Time: 11:38:18 - 11:38:44  
Scale

Gross: 68180 POUIn Scale INBOUN  
Tare: 29140 POU P.T.  
Net: 39040 POU

Truck: L65-TA  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LCA-001/LCA DEVELOPMENT

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC WO: 0001216948  
Profile: M15-2829/132 DINGENS SITE, LLC Manifest: LFS19 "E"

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	19.52	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226

Corporation



Ticket: 1002484186  
Date: 9/9/2015  
Time: 12:06:16 - 12:22:36  
Scale

Gross: 84720 POUIn Scale INBOU  
Tare: 35360 POUOut Scale OUTBO  
Net: 49360 POU

Truck: A82-T22  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LCA-001/LCA DEVELOPMENT

Truck Type: DT

Route: BROKER/SUB OUT VARIOUS BRC WO: 0001216949

Profile: M15-2829/132 DINGENS SITE,LLC Manifest: LFS23 "D"

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	24.68	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman





1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226

Truck: A83-T24  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LCA-001/LCA DEVELOPMENT

Truck Type: DT

Route: BROKER/SUB OUT VARIOUS BRC

Profile: M15-2829/132 DINGENS SITE,LLC

WO: 0001216950

Manifest: LFS22 & LFS21

Generator: 0250310002/MODERN DISPOSAL ROI

Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC

Comment:

Ticket: 1002484230

Date: 9/9/2015

Time: 12:53:23 - 13:25:01

Scale

Gross: 78520 POUIn Scale INBOU

Tare: 33800 POUOut Scale OUTBO

Net: 44720 POU

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	22.36	TON

Driver: \_\_\_\_\_

Weighmaster: Kevin Vendetta



1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002484251  
Date: 9/9/2015  
Time: 13:26:21 - 13:43:10  
Scale

Gross: 79880 POU In Scale INBOU  
Tare: 35380 POU Out Scale OUTBO  
Net: 44500 POU

Truck: A76-T28  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LCA-001/LCA DEVELOPMENT

Truck Type: DT  
Route: BROKER/SUB OUT VARIOUS BRC WO: 0001216951  
Profile: M15-2829/132 DINGENS SITE,LLC Manifest: LFS21/LFS16

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Bufalo	DC DEC Approved Waste	22.25	TON

Driver: \_\_\_\_\_

Weighmaster: Kevin Vendetta



1445 Fletcher Road  
Model City, NY 14107  
(716) 754-8226

Corporation



Ticket: 1002484289  
Date: 9/9/2015  
Time: 14:27:25 - 14:40:05  
Scale

Gross: 93060 POUIn Scale INBOUN  
Tare: 35020 POUOut Scale OUTBOI  
Net: 58040 POU

Truck: A82-T22  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LCA-001/LCA DEVELOPMENT

Truck Type: DT

Route: BROKER/SUB OUT VARIOUS BRC WO: 0001216952  
Profile: M15-2829/132 DINGENS SITE,LLC Manifest: LFS17 AREA "F"

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC

Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	29.02	TON

Driver: \_\_\_\_\_

Weighmaster: Kevin Vendetta



# MODERN Corporation

1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002485882  
Date: 9/15/2015  
Time: 08:40:16 - 08:42:31  
Scale

Gross: 64860 POL In Scale INBOUND  
Tare: 26720 POL P.T.  
Net: 38140 POL

Truck: PARISO-223  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-003/PARISO INC. CARMEN

Truck Type: TA

Route: BROKER/SUB OUT VARIOUS BRC

WO: 0001218639

Profile: M15-2829/132 DINGENS SITE, LLC -

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	19.07	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226

Corporation



Ticket: 1002485893  
Date: 9/15/2015  
Time: 09:02:29 - 09:03:36

Scale

Gross: 75540 POUIn Scale INBOUN  
Tare: 27600 POU P.T.  
Net: 47940 POU

Truck: PARISO-13  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-002/Pariso Hauling

Truck Type: TA

Route: PARISO/PARISO

WO: 0001218640

Profile: M15-2829/132 DINGENS SITE,LLC Manifest: 1T & 2T "A"

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC

Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	23.97	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002485909  
Date: 9/15/2015  
Time: 09:18:25 - 09:19:06  
Scale

Gross: 67920 POU In Scale INBOUND  
Tare: 26840 POU P.T.  
Net: 41080 POU

Truck: PARISO-243  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-003/PARISO INC. CARMEN

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC WO: 0001218641  
Profile: M15-2829/132 DINGENS SITE,LLC - Manifest: 1T/2T AREA A

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	20.54	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman

# MODERN

Corperation

1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002485961  
Date: 9/15/2015  
Time: 10:22:58 - 10:23:59  
Scale

\*\*\*\*\* Reprinted Ticket - Edited \*\*\*\*\*

Gross: 68320 POU In Scale INBOUND  
Tare: 27080 POU P.T.  
Net: 41240 POU

Truck: PARISO-229  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-003/PARISO INC. CARMEN

Truck Type: TA

Route: BROKER/SUB OUT VARIOUS BRO  
Profile: M15-2829/132 DINGENS SITE,LLC - WO: 0001218642

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	20.62	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman





1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002485991  
Date: 9/15/2015  
Time: 10:58:49 - 10:59:34  
Scale

Gross: 65300 POU In Scale INBOUND  
Tare: 26720 POU P.T.  
Net: 38580 POU

Truck: PARISO-223  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-003/PARISO INC. CARMEN

Truck Type: TA

Route: BROKER/SUB OUT VARIOUS BRC WO: 0001218643

Profile: M15-2829/132 DINGENS SITE,LLC - Manifest: 1/2T AREA A

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	19.29	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman

# MODERN Corporation

1445 Fletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002486015  
Date: 9/15/2015  
Time: 11:42:31 - 11:43:30  
Scale

Gross: 73360 POU In Scale INBOU?  
Tare: 27600 POU P.T.  
Net: 45760 POU

Truck: PARISO-13  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-002/Pariso Hauling

Truck Type: TA

Route: PARISO/PARISO

WO: 0001218644

Profile: M15-2829/132 DINGENS SITE,LLC Manifest: 1T & 2T AREA A

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Bufalo	DC DEC Approved Waste	22.88	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman

# MODERN Corporation

1445 Pitcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002486022

Date: 9/15/2015

Time: 11:49:25 - 11:50:25

Scale

Gross: 72980 POU In Scale INBOUND

Tare: 26840 POU P.T.

Net: 46140 POU

Truck: PARISO-243

Customer: 0250310002/MODERN DISPOSAL ROI

Carrier: PARI-003/PARISO INC. CARMEN

Truck Type: TA

Route: BROKER/SUB OUT VARIOUS BRC

WO: 0001218645

Profile: M15-2829/132 DINGENS SITE,LLC Manifest: 3T & 4T

Generator: 0250310002/MODERN DISPOSAL ROI

Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC

Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	23.07	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226

Corporation



Ticket: 1002486044

Date: 9/15/2015

Time: 12:26:36 - 12:27:24

Scale

Gross: 67880 POUIn Scale INBOUN

Tare: 27080 POU P.T.

Net: 40800 POU

Truck: PARISO-229

Customer: 0250310002/MODERN DISPOSAL ROI

Carrier: PARI-003/PARISO INC. CARMEN

Truck Type: TA

Route: BROKER/SUB OUT VARIOUS BRC

WO: 0001218646

Profile: M15-2829/132 DINGENS SITE,LLC Manifest: 3T & 4T

Generator: 0250310002/MODERN DISPOSAL ROI

Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC

Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	20.40	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



# MODERN Corporation

1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002486077  
Date: 9/15/2015  
Time: 13:12:04 - 13:12:47  
Scale

Gross: 70460 POU In Scale INBOUND  
Tare: 26720 POU P.T.  
Net: 43740 POU

Truck: PARISO-223  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-003/PARISO INC. CARMEN

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC  
Profile: M15-2829/132 DINGENS SITE, LLC -  
WO: 0001218647

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	21.87	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Fletcher Road  
Model City, NY 14107  
(716) 754-8226

Ticket: 1002486111  
Date: 9/15/2015  
Time: 13:50:16 - 13:50:58  
Scale

Gross: 69060 POU In Scale INBOUND  
Tare: 26840 POU P.T.  
Net: 42220 POU

Truck: PARISO-243  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-003/PARISO INC. CARMEN

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC WO: 0001218648  
Profile: M15-2829/132 DINGENS SITE,LLC - Manifest: 3T/4T AREA A

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	21.11	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman

# MODERN Corporation

1445 Pléichet Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002486135  
Date: 9/15/2015  
Time: 14:21:53 - 14:22:40  
Scale

Gross: 73920 POU In Scale INBOUND  
Tare: 27600 POU P.T.  
Net: 46320 POU

Truck: PARISO-13  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-002/Pariso Hauling

Truck Type: TA  
Route: PARISO/PARISO WO: 0001218649  
Profile: M15-2829/132 DINGENS SITE,LLC - Manifest: 3T/4T AREA A

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	23.16	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman

# MODERN Corporation

1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002486158  
Date: 9/15/2015  
Time: 14:48:23 - 14:49:00  
Scale

Gross: 67720 POU In Scale INBOUND  
Tare: 27080 POU P.T.  
Net: 40640 POU

Truck: PARISO-229  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-001/PARISO INC, CARMEN

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC WO: 0001218650  
Profile: M15-2829/132 DINGENS SITE,LLC - Manifest: 3T/4T AREA A

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	20.32	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman





1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002486201  
Date: 9/15/2015  
Time: 15:38:46 - 15:39:16

Scale

Gross: 67440 POU In      Scale INBOUND  
Tare: 26720 POU      P.T.  
Net: 40720 POU

Truck: PARISO-223  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARJ-003/PARISO INC. CARMEN

Truck Type: TA

Route: BROKER/SUB OUT VARIOUS BRC      WO: 0001218651  
Profile: M15-2829/132 DINGENS SITE, LLC      Manifest: 2T/4T

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC

Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	20.36	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman

# MODERN Corporation

1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002486216

Date: 9/15/2015

Time: 15:55:40 - 15:55:56

Scale

Gross: 51660 POUIn Scale INBOUN

Tare: 26840 POU P.T.

Net: 24820 POU

Truck: PARISO-243

Customer: 0250310002/MODERN DISPOSAL ROI

Carrier: PARI-003/PARISO INC. CARMEN

Truck Type: TA

Route: BROKER/SUB OUT VARIOUS BRC

WO: 0001218652

Profile: M15-2829/132 DINGENS SITE,LLC

Generator: 0250310002/MODERN DISPOSAL ROI

Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC

Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	12.41	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman

# MODERN Corporation

1445 Fletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002486322  
Date: 9/16/2015  
Time: 08:49:47 - 08:51:58  
Scale

Gross: 72620 POU In Scale INBOUND  
Tare: 27600 POU P.T.  
Net: 45020 POU

Truck: PARISO-13  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-002/Pariso Hauling  
Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Truck Type: TA  
Route: PARISO/PARISO  
Profile: M15-2829/132 DINGENS SITE,LLC  
WO: 0001221267  
Manifest: 5T & 6T

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	22.51	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman

# MODERN Corporation

1445 Fletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002486327  
Date: 9/16/2015  
Time: 08:58:05 - 08:58:59  
Scale

Gross: 65020 POU In      Scale INBOUND  
Tare: 26900 POU      P.T.  
Net: 38120 POU

Truck: PARISO-246  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-003/PARISO INC. CARMEN

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC      WO: 0001221268  
Profile: M15-2829/132 DINGENS SITE,LLC      Manifest: 5T & 6T

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	19.06	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman





1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002486430  
Date: 9/16/2015  
Time: 11:11:06 - 11:12:02  
Scale

Gross: 72440 POU In Scale INBOUND  
Tare: 27600 POU P.T.  
Net: 44840 POU

Truck: PARISO-I3  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-003/PARISO INC. CARMEN

Truck Type: TA  
Route: PARISO/PARISO WO: 0001221269  
Profile: M15-2829/132 DINGENS SITE,LLC - Manifest: LFS 5&6T

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	22.42	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002486434  
Date: 9/16/2015  
Time: 11:19:37 - 11:20:43  
Scale

Gross: 61660 POU In Scale INBOUND  
Tare: 26900 POU P.T.  
Net: 34760 POU

Truck: PARISO-246  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-003/PARISO INC. CARMEN

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRG WO: 0001221270  
Profile: M15-2829/132 DINGENS SITE,LLC - Manifest: LFS #5&#6T

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	17.38	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman

# MODERN Corporation

1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226

Truck: PARISO-13  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-002/Pariso Hauling

Truck Type: TA

Route: PARISO/PARISO

Profile: M15-2829/132 DINGENS SITE,LLC - Manifest: LFS 17 AREA 7

Ticket: 1002486575  
Date: 9/16/2015  
Time: 14:17:05 - 14:18:12

Scale  
Gross: 57140 POU In Scale INBOUND  
Tare: 27600 POU P.T.  
Net: 29540 POU

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

WO: 0001221271

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	14.77	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman

# MODERN Corporation

1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002486765  
Date: 9/17/2015  
Time: 09:08:32 - 09:09:26  
Scale

Gross: 73580 POU In Scale INBOUND  
Tare: 26880 POU P.T.  
Net: 46700 POU

Truck: PARISO-233  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-003/PARISO INC. CARMEN

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC WO: 0001221814  
Profile: M15-2829/132 DINGENS SITE,LLC - Manifest: LFS 25&26

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	23.35	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



# MODERN Corporation

1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002486885  
Date: 9/17/2015  
Time: 11:41:49 - 11:42:46  
Scale

Gross: 67760 POU In Scale INBOU  
Tare: 26880 POU P.T.  
Net: 40880 POU

Truck: PARISO-233  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-003/PARISO INC. CARMEN

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC WO: 0001221815  
Profile: M15-2829/132 DINGENS SITE,LLC Manifest: LFS 25 & 26

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Bufalo	DC DEC Approved Waste	20.44	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226

Truck: PARISO-233  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-003/PARISO INC. CARMEN

Truck Type: TA

Route: BROKER/SUB OUT VARIOUS BRC

Profile: M15-2829/132 DINGENS SITE,LLC -

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Ticket: 1002487016  
Date: 9/17/2015  
Time: 14:17:12 - 14:17:45  
Scale

Gross: 70240 POU In Scale INBOUND  
Tare: 26880 POU P.T.  
Net: 43360 POU

WO: 0001221816

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	21.68	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226

Truck: PARISO-233  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-003/PARISO INC. CARMEN

Truck Type: TA

Route: BROKER/SUB OUT VARIOUS BRC WO: 0001221817

Profile: M15-2829/132 DINGENS SITE,LLC - Manifest: LFS 18T

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Ticket: 1002487102  
Date: 9/17/2015  
Time: 16:34:19 - 16:35:03  
Scale

Gross: 68460 POU In Scale INBOUND  
Tare: 26880 POU P.T.  
Net: 41580 POU

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	20.79	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman

# MODERN Corporation

1445 Fletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002488060  
Date: 9/22/2015  
Time: 09:16:59 - 09:17:24  
Scale

Gross: 69340 POU In Scale INBOUND  
Tare: 29180 POU P.T.  
Net: 40160 POU

Truck: LARABA-97  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-002/Pariso Hauling

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC  
Profile: M15-2829/132 DINGENS SITE,LLC  
WO: 0001225082

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Bufalo	DC DEC Approved Waste	20.08	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



# MODERN Corporation

1445 Fletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002488175

Date: 9/22/2015

Time: 11:36:48 - 11:37:25

Scale

Gross: 69560 POU In Scale INBOUND

Tare: 29180 POU P.T.

Net: 40380 POU

Truck: LARABA-97

Customer: 0250310002/MODERN DISPOSAL ROI

Carrier: LARAB-001/LARABA ENTERPRISE

Truck Type: TA

Route: BROKER/SUB OUT VARIOUS BRC

WO: 0001225083

Profile: M15-2829/132 DINGENS SITE, LLC - Manifest: LFS18T

Generator: 0250310002/MODERN DISPOSAL ROI

Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC

Comment:

Origin	Materials & Services	Quantity	Unit
140200/Bufalo	DC DEC Approved Waste	20.19	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002488310  
Date: 9/22/2015  
Time: 14:31:37 - 14:32:00  
Scale

Gross: 69100 POU In Scale INBOUN  
Tare: 29180 POU P.T.  
Net: 39920 POU

Truck: LARABA-97  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LARAB-001/LARABA ENTERPRI

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC  
Profile: M15-2829/132 DINGENS SITE,LLC -  
WO: 0001225084

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Bufalo	DC DEC Approved Waste	19.96	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002488469  
Date: 9/23/2015  
Time: 08:52:04 - 08:52:49

Scale

Gross: 67780 POUIn Scale INBOU  
Tare: 26880 POU P.T.  
Net: 40900 POU

Truck: PARISO-233  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-003/PARISO INC. CARMEN

Truck Type: TA

Route: BROKER/SUB OUT VARIOUS BRC WO: 0001225448  
Profile: M15-2829/132 DINGENS SITE,LLC Manifest: LFS 29T

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC

Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	20.45	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman

# MODERN Corporation

1445 Fletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002488587  
Date: 9/23/2013  
Time: 11:19:52 - 11:20:11  
Scale

\*\*\*\*\* Reprinted Ticket \*\*\*\*\*

Gross: 71020 POU In Scale INBOUND  
Tare: 26880 POU P.T.  
Net: 44140 POU

Truck: PARISO-233  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-003/PARISO INC. CARMEN

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC WO: 0001225449  
Profile: M15-2829/132 DINGENS SITE,LLC - Manifest: LFS 29

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Bufalo	DC DEC Approved Waste	22.07	TON

Driver: \_\_\_\_\_

Weighmaster: Kevin Vendetta



# MODERN Corporation

1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002488601  
Date: 9/23/2015  
Time: 11:49:17 - 11:50:18  
Scale

Gross: 62180 POU In Scale INBOUND  
Tare: 26720 POU P.T.  
Net: 35460 POU

Truck: PARISO-223  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-003/PARISO INC. CARMEN

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC WO: 0001225450  
Profile: M15-2829/132 DINGENS SITE,LLC - Manifest: LFS-29

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	17.73	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman

# MODERN Corporation

1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002488701  
Date: 9/23/2015  
Time: 13:57:07 - 13:57:49  
Scale

Gross: 69560 POU In Scale INBOUND  
Tare: 26880 POU P.T.  
Net: 42680 POU

Truck: PARISO-233  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-003/PARISO INC., CARMEN

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC WO: 0001225451  
Profile: M15-2829/132 DINGENS SITE, LLC - Manifest: LFS29

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	21.34	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226

Truck: PARISO-223  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-003/PARISO INC. CARMEN

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC WO: 0001225452  
Profile: M15-2829/132 DINGENS SITE,LLC Manifest: LFS 27/28



Ticket: 1002483697  
Date: 9/23/2015  
Time: 13:55:08 - 13:55:34  
Scale

Gross: 71140 POUIn Scale INBOUND  
Tare: 26720 POU P.T.  
Net: 44420 POU

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	22.21	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman

# MODERN Corporation

1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002488786  
Date: 9/23/2015  
Time: 16:04:35 - 16:05:06  
Scale

Truck: PARISO-223  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-003/PARISO INC. CARMEN

Gross: 73640 POU In Scale INBOUND  
Tare: 26720 POU P.T.  
Net: 46920 POU

Truck Type: TA  
Route: PARISO/PARISO  
Profile: M15-2829/132 DINGENS SITE, LLC  
WO: 0001225453  
Manifest: LFS-27 & 28

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Bufalo	DC DEC Approved Waste	23.46	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



# MODERN Corporation

1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002488792  
Date: 9/23/2015  
Time: 16:19:28 - 16:19:56  
Scale

Gross: 76640 POU In Scale INBOUND  
Tare: 26880 POU P.T.  
Net: 49760 POU

Truck: PARISO-233  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-003/PARISO INC. CARMEN

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC WO: 0001225454  
Profile: M15-2829/132 DINGENS SITE,LLC - Manifest: LFS27&28

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Bufalo	DC DEC Approved Waste	24.88	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman

# MODERN Corporation

1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002488887  
Date: 9/24/2015  
Time: 09:04:33 - 09:05:00  
Scale

Gross: 77480 POU In Scale INBOUND  
Tare: 26880 POU P.T.  
Net: 50600 POU

Truck: PARISO-233  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARL-003/PARISO INC. CARMEN

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC  
Profile: M15-2829/132 DINGENS SITE, LLC -  
WO: 0001225972

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

27/28

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	25.30	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002489000  
Date: 9/24/2015  
Time: 11:39:43 - 11:40:11  
Scale

Gross: 71420 POU In Scale INBOUND  
Tare: 26880 POU P.T.  
Net: 44540 POU

Truck: PARISO-233  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-003/PARISO INC. CARMEN

Truck Type: TA

Route: BROKER/SUB OUT VARIOUS BRC

WO: 0001225973

Profile: M15-2829/132 DINGENS SITE, LLC Manifest: LFS 27 & 28

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	22.27	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman

# MODERN Corporation

1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002490232  
Date: 9/29/2015  
Time: 10:41:40 - 10:42:42

#### Scale

Gross: 60280 POU In      Scale INBOUT  
Tare: 26660 POU      P.T.  
Net: 33620 POU

Truck: VENTRY-001  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: VENT-002/VENTRY SERVICES

Truck Type: TA

Route: BROKER/SUB OUT VARIOUS BRC      WO: 0001228729  
Profile: M15-2829/132 DINGENS SITE,LLC      Manifest: LFS 33T

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC

Comment:

Origin	Materials & Services	Quantity	Unit
140200/Bufalo	DC DEC Approved Waste	16.81	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman





1445 Fletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002490358  
Date: 9/29/2015  
Time: 13:28:08 - 13:28:50  
Scale

Gross: 69560 POU In Scale INBOUND  
Tare: 26660 POU P.T.  
Net: 42900 POU

Truck: VENTRY-001  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: VENT-002/VENTRY SERVICES

Truck Type: TA

Route: BROKER/SUB OUT VARIOUS BRC WO: 0001228730  
Profile: M15-2829/132 DINGENS SITE, LLC Manifest: LFS 31 & 32

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC

Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	21.45	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman

# MODERN Corporation

1445 Fletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002490478  
Date: 9/29/2015  
Time: 15:46:57 - 15:47:32  
Scale

Gross: 74160 POU In Scale INBOUND  
Tare: 26660 POU P.T.  
Net: 47500 POU

Truck: VENTRY-001  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: VENT-002/ENTRY SERVICES

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC WO: 0001228731  
Profile: M15-2829/132 DINGENS SITE,LLC Manifest: LFS 31 & 32

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Bufalo	DC DEC Approved Waste	23.75	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Fletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002494138  
Date: 10/12/2015  
Time: 09:01:20 - 09:20:00  
Scale

Gross: 93760 POUIn Scale INBOUR  
Tare: 34760 POUOut Scale CLAY St  
Net: 59000 POU

Truck: A82-T22  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LCA-001/LCA DEVELOPMENT

Truck Type: DT  
Route: BROKER/SUB OUT VARIOUS BRC WO: 0001235486  
Profile: M15-2829/132 DINGENS SITE,LLC Manifest: LFS-42

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Bufalo	DC DEC Approved Waste	29.50	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Fletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002494158  
Date: 10/12/2015  
Time: 09:26:43 - 09:44:34  
Scale

Gross: 108900 POUIn Scale INBOUND  
Tare: 33500 POUOut Scale CLAY  
Net: 75400 POU

Truck: A72-T23  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LCA-001/LCA DEVELOPMENT

Truck Type: DT  
Route: BROKER/SUB OUT VARIOUS BRC WO: 0001235499  
Profile: M15-2829/132 DINGENS SITE,LLC Manifest: LFS-42

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	37.70	TON

Driver: \_\_\_\_\_

Weighmaster: Kevin Vendetta

# MODERN Corporation

1445 Fletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002494238

Date: 10/12/2015

Time: 11:23:12 - 11:38:10

Scale

Gross: 115140 POUin Scale INBOUND

Tare: 34560 POUOut Scale CLAY

Net: 80480 POU

Truck: A82-T22

Customer: 0250310002/MODERN DISPOSAL ROI

Carrier: LCA-001/LCA DEVELOPMENT

Truck Type: DT

Route: BROKER/SUB OUT VARIOUS BRC

WO: 0001235500

Profile: M15-2829/132 DINGENS SITE,LLC Manifest: LFS-45

Generator: 0250310002/MODERN DISPOSAL ROI

Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC

Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	40.24	TON

Driver: \_\_\_\_\_

Weighmaster: Kevin Vendetta





1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226

Truck: A72-T23  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LCA-001/LCA DEVELOPMENT

Truck Type: DT

Route: BROKER/SUB OUT VARIOUS BRC WO: 0001235501  
Profile: M15-2829/132 DINGENS SITE, LLC - Manifest: LFS-45

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:



Ticket: 1002494242  
Date: 10/12/2015  
Time: 11:44:14 - 11:44:45  
Scale

Gross: 118140 POU In Scale INBOUND  
Tare: 33320 POU P.T.  
Net: 84820 POU

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	42.41	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Fletcher Road  
Model City, NY 14107  
(716) 754-8226

Corporation



Ticket: 1002494335  
Date: 10/12/2015  
Time: 13:32:42 - 13:50:10  
Scale

Gross: 110660 POUIn Scale INBOUN  
Tare: 34740 POUOut Scale CLAY  
Net: 75920 POU

Truck: A82-T22  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LCA-001/LCA DEVELOPMENT

Truck Type: DT  
Route: BROKER/SUB OUT VARIOUS BRC WO: 0001235502  
Profile: M15-2829/132 DINGENS SITE.LLC Manifest: LFS-45

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	37.96	TON

Driver: \_\_\_\_\_

Weighmaster: Kevin Vendetta



1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002494337  
Date: 10/12/2015  
Time: 13:51:20 - 13:52:04  
Scale

Gross: 106000 POU In Scale INBOUND  
Tare: 33320 POU P.T.  
Net: 72680 POU

Truck: A72-T23  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LCA-001/LCA DEVELOPMENT

Truck Type: DT  
Route: BROKER/SUB OUT VARIOUS BRC WO: 0001235503  
Profile: M15-2829/132 DINGENS SITE,LLC - Manifest: LFS-44

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	36.34	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman

# MODERN Corporation

1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002494433  
Date: 10/12/2015  
Time: 15:39:05 - 15:50:23  
Scale

Gross: 106660 POUIn Scale INBOUND  
Tare: 34420 POUOut Scale CLAY  
Net: 72240 POU

Truck: A82-T22  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LCA-001/LCA DEVELOPMENT

Truck Type: DT  
Route: BROKER/SUB OUT VARIOUS BRC WO: 0001235504  
Profile: M15-2829/132 DINGEN'S SITE, LLC Manifest: LFS 44

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC

Comment:

Origin	Materials & Services	Quantity	Unit
140200/Bufalo	DC DEC Approved Waste	36.12	TON

Driver: \_\_\_\_\_

Weighmaster: Kevin Vendetta

# MODERN Corporation

1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002494451  
Date: 10/12/2015  
Time: 16:00:38 - 16:15:45

Scale  
Gross: 111940 POUIn Scale INBOUND  
Tare: 33140 POUOut Scale CLAY  
Net: 78800 POU

Truck: A72-T23  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LCA-001/LCA DEVELOPMENT

Truck Type: DT  
Route: BROKER/SUB OUT VARIOUS BRC WO: 0001235505  
Profile: M15-2829/132 DINGENS SITE,LLC Manifest: LFS44

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC

Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	39.40	TON

Driver: \_\_\_\_\_

Weighmaster: Kevin Vendetta





1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002494516  
Date: 10/13/2015  
Time: 08:27:48 - 08:28:12  
Scale

Gross: 77060 POU In Scale INBOUND  
Tare: 29140 POU P.T.  
Net: 47920 POU

Truck: A64-TA  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LCA-001/LCA DEVELOPMENT

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC WO: 0001236775  
Profile: M15-2829/132 DINGENS SITE,LLC - Manifest: LFS44

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Bufalo	DC DEC Approved Waste	23.96	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Fletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002494526  
Date: 10/13/2015  
Time: 08:44:18 - 08:45:01  
Scale

Gross: 76340 POU In Scale INBOUND  
Tare: 27760 POU P.T.  
Net: 48580 POU

Truck: L49-TA  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LCA-001/LCA DEVELOPMENT

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC  
Profile: M15-2829/132 DINGENS SITE,LLC -  
WO: 0001236776

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	24.29	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman

# MODERN Corporation

1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002494531  
Date: 10/13/2015  
Time: 08:52:35 - 08:53:09

Scale

Gross: 68640 POU In Scale INBOUND  
Tare: 24020 POU P.T.  
Net: 44620 POU

Truck: PARISO-100  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-004/PARISO, B TRANSPORT

Truck Type: TA

Route: BROKER/SUB OUT VARIOUS BRC

WO: 0001236777

Profile: M15-2829/132 DINGENS SITE,LLC

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC

Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	22.31	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman

# MODERN Corporation

1445 Fletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002494539  
Date: 10/13/2015  
Time: 08:49:56 - 09:02:01  
Scale

Gross: 71060 POUIn Scale INBOU  
Tare: 27660 POUOut Scale OUTBO  
Net: 43400 POU

Truck: A54-TA  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LCA-001/LCA DEVELOPMENT

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC WO: 0001236778  
Profile: M15-2829/132 DINGENS SITE,LLC Manifest: LFS43

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	21.70	TON

Driver: \_\_\_\_\_

Weighmaster: Kevin Vendita



Modern Disposal Services, Inc.

4746 Model City Road

PO Box 209

Model City, NY 14107

TEL. (716) 754-8226 (800) 662-0012 FAX. (716) 754-8964

Customer #: 000098

PO #:

Site #: 0000980122

Customer Name: PINTO CONSTRUCTION SERVICE INC

Address: 132 DINGENS ST

City: BUFFALO

Contact: GARY CATLIN

Phone: (716) 622-0160

Work Order: WO0001236789

Route: PARISO

Map Grid:

Service Date: 10/13/2015

Rep/Order Date: MODERN\miker 10/12/2015 4:04:27PM

Requested By: brian h

Bin # Dropped: \_\_\_\_\_

Bin # Picked up: \_\_\_\_\_

Trip Charge Reason: \_\_\_\_\_

Arrival Time: \_\_\_\_\_ Depart Time: \_\_\_\_\_

Time Window

Destination

Begin:

End:

Work Order	Qty	Action	Type	Description
0001236789	1	HAULING	DUMPTTRUCK	Dump Truck Services

Service Notes: CONTAMINATED - APPROVAL (M15-2829) "SECTION ID# LSF36"

Access Notes:

Detailed Notes:

Work Order Notes:

\*\*\*PLEASE NOTE INDEMNIFICATION AGREEMENT\*\*\*

The Customer agrees to indemnify, defend and hold harmless the Contractor against all claims, damages, suits, judgments, penalties, fines and other liability or injury or death to persons or loss or damage to property arising out of the Customer's use, operation or possession of the equipment or arising out of the Customer's breach of any warranty created hereunder by the Customer. The Customer shall not overload the equipment nor use it for incineration purposes or make alterations without the contractor's written approval.

[Signature] #109  
DRIVER SIGNATURE

[Signature]  
CUSTOMER SIGNATURE





1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226

Truck: A64-TA  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LCA-001/LCA DEVELOPMENT

Truck Type: TA

Route: BROKER/SUB OUT VARIOUS BRC

Profile: M15-2829/132 DINGENS SITE,LLC -

Ticket: 1002494790

Date: 10/13/2015

Time: 14:23:31 - 14:24:08

Scale

Gross: 72060 POU In Scale INBOUND

Tare: 29140 POU P.T.

Net: 42920 POU

WO: 0001236790

Generator: 0250310002/MODERN DISPOSAL ROI

Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC

Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	21.46	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



Corporation

1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002494810  
Date: 10/13/2015  
Time: 14:38:59 - 14:53:44  
Scale

Gross: 63820 POUIn Scale INBOUND  
Tare: 25240 POUOut Scale OUTBOUND  
Net: 38580 POU

Truck: A59-TA  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LCA-001/LCA DEVELOPMENT

Truck Type: TA

Route: BROKER/SUB OUT VARIOUS BRC WO: 0001236791

Profile: M15-2829/132 DINGENS SITE,LLC Manifest: LFS37

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC

Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	19.29	TON

Driver: \_\_\_\_\_

Weighmaster: Kevin Vendetta

# MODERN Corporation

1445 Fletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002494819  
Date: 10/13/2015  
Time: 15:01:18 - 15:01:46  
Scale

Gross: 70500 POU In Scale INBOUND  
Tare: 27760 POU P.T.  
Net: 42740 POU

Truck: L49-TA  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LCA-001/LCA DEVELOPMENT

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC WO: 0001236792  
Profile: M15-2829/132 DINGENS SITE, LLC - Manifest: LFS38

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	21.37	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226

Corporation



Ticket: 1002494828  
Date: 10/13/2015  
Time: 15:09:51 - 15:10:15  
Scale

Gross: 70080 POU In Scale INBOUND  
Tare: 27660 POU P.T.  
Net: 42420 POU

Truck: A54-TA  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LCA-001/LCA DEVELOPMENT

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC WO: 0001236793  
Profile: M15-2829/132 DINGENS SITE,LLC Manifest: LFS38

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	21.21	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Fletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002494944  
Date: 10/14/2015  
Time: 08:21:09 - 08:21:41  
Scale

Gross: 62020 POU In Scale INBOUND  
Tare: 29140 POU P.T.  
Net: 32880 POU

Truck: A64-TA  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LCA-001/LCA DEVELOPMENT

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC WO: 0001237477  
Profile: M15-2829/132 DINGENS SITE, LLC -

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Bufalo	DC DEC Approved Waste	16.44	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



# MODERN Corporation

1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002494962  
Date: 10/14/2015  
Time: 08:37:45 - 08:38:14  
Scale

Truck: L65-TA  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LCA-001/LCA DEVELOPMENT

Truck Type: TA

Gross: 69440 POU In Scale INBOUND  
Tare: 29140 POU P.T.  
Net: 40300 POU

Route: BROKER/SUB OUT VARIOUS BRG WO: 0001237478  
Profile: M15-2829/132 DINGENS SITE,LLC - Manifest: LFS-39

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	20.15	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226

Truck: A62-TA  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LCA-001/LCA DEVELOPMENT

Truck Type: TA

Route: BROKER/SUB OUT VARIOUS BRC

WO: 0001237479

Profile: M15-2829/132 DINGENS SITE,LLC

Manifest: LFS40

Generator: 0250310002/MODERN DISPOSAL ROI

Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC

Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	21.77	TON

Ticket: 1002494982

Date: 10/14/2015

Time: 09:00:17 - 09:11:27

Scale

Gross: 72280 POUIn Scale INBOUN

Tare: 28740 POUOut Scale OUTBOU

Net: 43540 POU

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Fletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002495031  
Date: 10/14/2015  
Time: 10:15:20 - 10:15:53  
Scale

Gross: 83040 POU In Scale INBOUND  
Tare: 29140 POU P.T.  
Net: 53900 POU

Truck: A64-TA  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LCA-001/LCA DEVELOPMENT

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC WO: 0001237480  
Profile: M15-2829/132 DINGENS SITE,LLC - Manifest: LFS43

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	26.95	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002495042  
Date: 10/14/2015  
Time: 10:37:24 - 10:37:54  
Scale

Gross: 82560 POU In Scale INBOUN  
Tare: 29140 POU P.T.  
Net: 53420 POU

Truck: L65-TA  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LCA-001/LCA DEVELOPMENT

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC WO: 0001237481  
Profile: M15-2829/132 DINGENS SITE, LLC Manifest: LFS43

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Bufalo	DC DEC Approved Waste	26.71	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226

Corporation



Ticket: 1002495075  
Date: 10/14/2015  
Time: 11:04:41 - 11:22:16  
Scale

Gross: 85180 POUIn Scale INBOUND  
Tare: 28960 POUOut Scale OUTBOUND  
Net: 56220 POU

Truck: A62-TA  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LCA-001/LCA DEVELOPMENT

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC WO: 0001237482  
Profile: M15-2829/132 DINGENS SITE, LLC Manifest: LFS43

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	28.11	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



# MODERN Corporation

1445 Fletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002495122  
Date: 10/14/2015  
Time: 12:38:08 - 12:39:05

Scale

Gross: 79160 POUIn Scale INBOUND  
Tare: 29140 POU P.T.  
Net: 50020 POU

Truck: L65-TA  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LCA-001/LCA DEVELOPMENT

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC WO: 0001237483  
Profile: M15-2829/132 DINGENS SITE,LLC Manifest: LFS43

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	25.01	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002494689  
Date: 10/13/2015  
Time: 12:24:45 - 12:25:14  
Scale

Gross: 69640 POU In Scale INBOUND  
Tare: 29140 POU P.T.  
Net: 40500 POU

Truck: A64-TA  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LCA-001/LCA DEVELOPMENT

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC WO: 0001236784  
Profile: M15-2829/132 DINGENS SITE,LLC - Manifest: LFS-35

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Bufalo	DC DEC Approved Waste	20.25	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Fletcher Road  
Model City, NY 14107  
(716) 754-8226

Corporation



Ticket: 1002494718

Date: 10/13/2015

Time: 13:00:38 - 13:01:04

Scale

Gross: 72800 POUIn Scale INBOU

Tare: 27760 POU P.T.

Net: 45040 POU

Truck: L49-TA

Customer: 0250310002/MODERN DISPOSAL ROI

Carrier: LCA-001/LCA DEVELOPMENT

Truck Type: TA

Route: BROKER/SUB OUT VARIOUS BRC

WO: 0001236785

Profile: M15-2829/132 DINGENS SITE, LLC Manifest: LFS35

Generator: 0250310002/MODERN DISPOSAL ROI

Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC

Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	22.52	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman

# MODERN Corporation

1445 Fletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002494728  
Date: 10/13/2015  
Time: 13:06:57 - 13:07:26  
Scale

Gross: 71560 POU In Scale INBOUND  
Tare: 27660 POU P.T.  
Net: 43900 POU

Truck: A54-TA  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LCA-001/LCA DEVELOPMENT

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC WO: 0001236786  
Profile: M15-2829/132 DINGENS SITE,LLC - Manifest: LSF35

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	21.95	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Fletcher Road  
Model City, NY 14107  
(716) 754-8226

Truck: L45-TANDEM  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LCA-001/LCA DEVELOPMENT

Truck Type: TA

Route: BROKER/SUB OUT VARIOUS BRC WO: 0001236787

Profile: M15-2829/132 DINGENS SITE,LLC - Manifest: LSF36

Ticket: 1002494779  
Date: 10/13/2015  
Time: 13:52:59 - 14:06:31  
Scale

Gross: 73300 POU In Scale INBOUND  
Tare: 28260 POU Out Scale OUTBOUND  
Net: 45040 POU

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	22.52	TON

Driver: \_\_\_\_\_

Weighmaster: Kevin Vendetta





1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002494800  
Date: 10/13/2015  
Time: 14:31:56 - 14:32:33  
Scale

Gross: 73120 POU In Scale INBOUND  
Tare: 26880 POU P.T.  
Net: 46240 POU

Truck: PARISO-233  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-003/PARISO INC. CARMEN

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC WO: 0001236788  
Profile: M15-2829/132 DINGENS SITE,LLC - Manifest: LSF 36

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Bufalo	DC DEC Approved Waste	23.12	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Fletcher Road  
Model City, NY 14107  
(716) 754-8226

Corporation



Ticket: 1002494554  
Date: 10/13/2015  
Time: 09:23:40 - 09:24:15  
Scale

Gross: 80520 POU In Scale INBOUND  
Tare: 26880 POU P.T.  
Net: 53640 POU

Truck: PARISO-233  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-003/PARISO INC. CARMEN

Truck Type: TA

Route: BROKER/SUB OUT VARIOUS BRC WO: 0001236779

Profile: M15-2829/132 DINGENS SITE, LLC - Manifest: LFS43

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Bufalo	DC DEC Approved Waste	26.82	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman

# MODERN Corporation

1445 Fletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002494602  
Date: 10/13/2015  
Time: 10:16:06 - 10:16:41  
Scale

Gross: 65220 POU In Scale INBOUND  
Tare: 29140 POU P.T.  
Net: 36080 POU

Truck: A64-TA  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LCA-001/LCA DEVELOPMENT

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC WO: 0001236780  
Profile: M15-2829/132 DINGENS SITE,LLC Manifest: LFS-34

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	18.04	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman

# MODERN Corporation

1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002494619  
Date: 10/13/2015  
Time: 10:49:10 - 10:49:51  
Scale

Gross: 69040 POU In Scale INBOUND  
Tare: 27760 POU P.T.  
Net: 41280 POU

Truck: L49-TA  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LCA-001/LCA DEVELOPMENT

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC - WO: 0001236781  
Profile: M15-2829/132 DINGENS SITE,LLC -

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	20.64	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002494624  
Date: 10/13/2015  
Time: 10:54:04 - 10:54:39  
Scale

Gross: 61580 POU In Scale INBOUND  
Tare: 27660 POU P.T.  
Net: 33920 POU

Truck: A54-TA  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LCA-001/LCA DEVELOPMENT

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRG WO: 0001236782  
Profile: M15-2829/132 DINGENS SITE,LLC -

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 RINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	16.96	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman





1445 Fletcher Road  
Model City, NY 14107  
(716) 754-8226

Truck: PARISO-233  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-003/PARISO INC. CARMEN

Truck Type: TA

Route: BROKER/SUB OUT VARIOUS BRG WO: 0001236783

Profile: M15-2829/132 DINGENS SITE,LLC - Manifest: LFS-35

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:



Ticket: 1002494654  
Date: 10/13/2015  
Time: 11:29:37 - 11:30:19  
Scale

Gross: 69000 POU In Scale INBOUND  
Tare: 26880 POU P.T.  
Net: 42120 POU

Origin	Materials & Services	Quantity	Unit
140200/Bufalo	DC DEC Approved Waste	21.06	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002494801  
Date: 10/13/2015  
Time: 14:33:26 - 14:34:11  
Scale

Gross: 62720 POUIn Scale INBOUN  
Tare: 25320 FOU P.T.  
Net: 37400 POU

Truck: PARISO-109  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-004/PARISO, B TRANSPORT

Truck Type: TA

Route: BROKER/SUB OUT VARIOUS BRC

WO: 0001236789

Profile: M15-2829/132 DINGENS SITE,LLC

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC

Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	18.70	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002498433  
Date: 10/26/2015  
Time: 08:41:16 - 08:42:40  
Scale

Gross: 64820 POUIn Scale INBOUND  
Tare: 26720 POU P.T.  
Net: 38100 POU

Truck: PARISO-223  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-003/PARISO INC. CARMEN

Truck Type: TA

Route: PARISO/PARISO

WO: 0001243213

Profile: M15-2829/132 DINGENS SITE,LLC Manifest: LFS41T

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC

Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	19.05	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226

Corporation



Ticket: 1002498449  
Date: 10/26/2015  
Time: 09:02:17 - 09:03:51  
Scale

Gross: 66300 POU In      Scale INBOUND  
Tare: 29180 POU      P.T.  
Net: 37120 POU

Truck: LARABA-97  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LARAB-001/LARABA ENTERPRISE

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC      WO: 0001243214  
Profile: M15-2829/132 DINGENS SITE, LLC      Manifest: LFS41T

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC

Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	18.56	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Fletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002498462  
Date: 10/26/2015  
Time: 09:14:29 - 09:14:54  
Scale

Truck: LARABA-99  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LARAB-001/LARABA ENTERPRISE

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC  
Profile: M15-2829/132 DINGENS SITE, LLC -  
WO: 0001243215

Gross: 66020 POU In Scale INBOUND  
Tare: 30540 POU P.T.  
Net: 35480 POU

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	17.74	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



# MODERN Corporation

1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226

Truck: LARABA-98  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LARAB-001/LARABA ENTERPRISE

Truck Type: TA

Route: BROKER/SUB OUT VARIOUS BRC  
Profile: M15-2829/132 DINGENS SITE,LLC -

WO: 0001243216

Ticket: 1002498474  
Date: 10/26/2015  
Time: 09:30:46 - 09:31:26  
Scale

Gross: 63000 POU In Scale INBOUND  
Tare: 28000 POU P.T.  
Net: 35000 POU

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	17.50	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman

# MODERN Corporation

1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002498532  
Date: 10/26/2015  
Time: 10:44:31 - 10:45:21  
Scale

Gross: 74180 POU In Scale INBOUND  
Tare: 26720 POU P.T.  
Net: 47460 POU

Truck: PARISO-223  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-003/PARISO INC. CARMEN

Truck Type: TA  
Route: PARISO/PARISO  
Profile: M15-2829/132 DINGENS SITE, LLC  
WO: 0001243217  
Manifest: LFS41T

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	23.73	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman

# MODERN Corporation

1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002498557  
Date: 10/26/2015  
Time: 11:07:21 - 11:08:35  
Scale

Gross: 77160 POUIn      Scale INBOUND  
Tare: 29180 POU      P.T.  
Net: 47980 POU

Truck: LARABA-97  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LARAB-001/LARABA ENTERPRISE

Truck Type: TA

Route: BROKER/SUB OUT VARIOUS BRC      WO: 0001243218  
Profile: M15-2829/132 DINGENS SITE,LLC      Manifest: LFS48

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	23.99	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Fletcher Road  
Model City, NY 14107  
(716) 754-8226

Corporation



Ticket: 1002498574  
Date: 10/26/2015  
Time: 11:39:12 - 11:39:34  
Scale

Gross: 72460 POU In Scale INBOUND  
Tare: 30540 POU P.T.  
Net: 41920 POU

Truck: LARABA-99  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LARAB-001/LARABA ENTERPRISE

Truck Type: TA

Route: BROKER/SUB OUT VARIOUS BRC WO: 0001243219  
Profile: M15-2829/132 DINGENS SITE,LLC - Manifest: LFS48

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	20.96	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman

# MODERN Corporation

1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002498577  
Date: 10/26/2015  
Time: 11:40:53 - 11:41:22  
Scale

Gross: 67840 POUIn Scale INBOUND  
Tare: 28000 POU P.T.  
Net: 39840 POU

Truck: LARABA-98  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LARAB-001/LARABA ENTERPRISE

Truck Type: TA

Route: BROKER/SUB OUT VARIOUS BRC WO: 0001243220  
Profile: M15-2829/132 DINGENS SITE,LLC Manifest: LFS48

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC

Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	19.92	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



# MODERN Corporation

1445 Fletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002498635  
Date: 10/26/2015  
Time: 12:58:27 - 12:59:17  
Scale

Gross: 69100 POU In Scale INBOUN  
Tare: 26720 POU P.T.  
Net: 42380 POU

Truck: PARISO-223  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-003/PARISO INC. CARMEN

Truck Type: TA

Route: PARISO/PARISO

WO: 0001243221

Profile: M15-2829/132 DINGENS SITE,LLC - Manifest: LFS40

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Bufalo	DC DEC Approved Waste	21.19	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002498665  
Date: 10/26/2015  
Time: 13:26:13 - 13:26:30  
Scale

Gross: 70160 POU In Scale INBOUND  
Tare: 29180 POU P.T.  
Net: 40980 POU

Truck: LARABA-97  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LARAB-001/LARABA ENTERPRISE

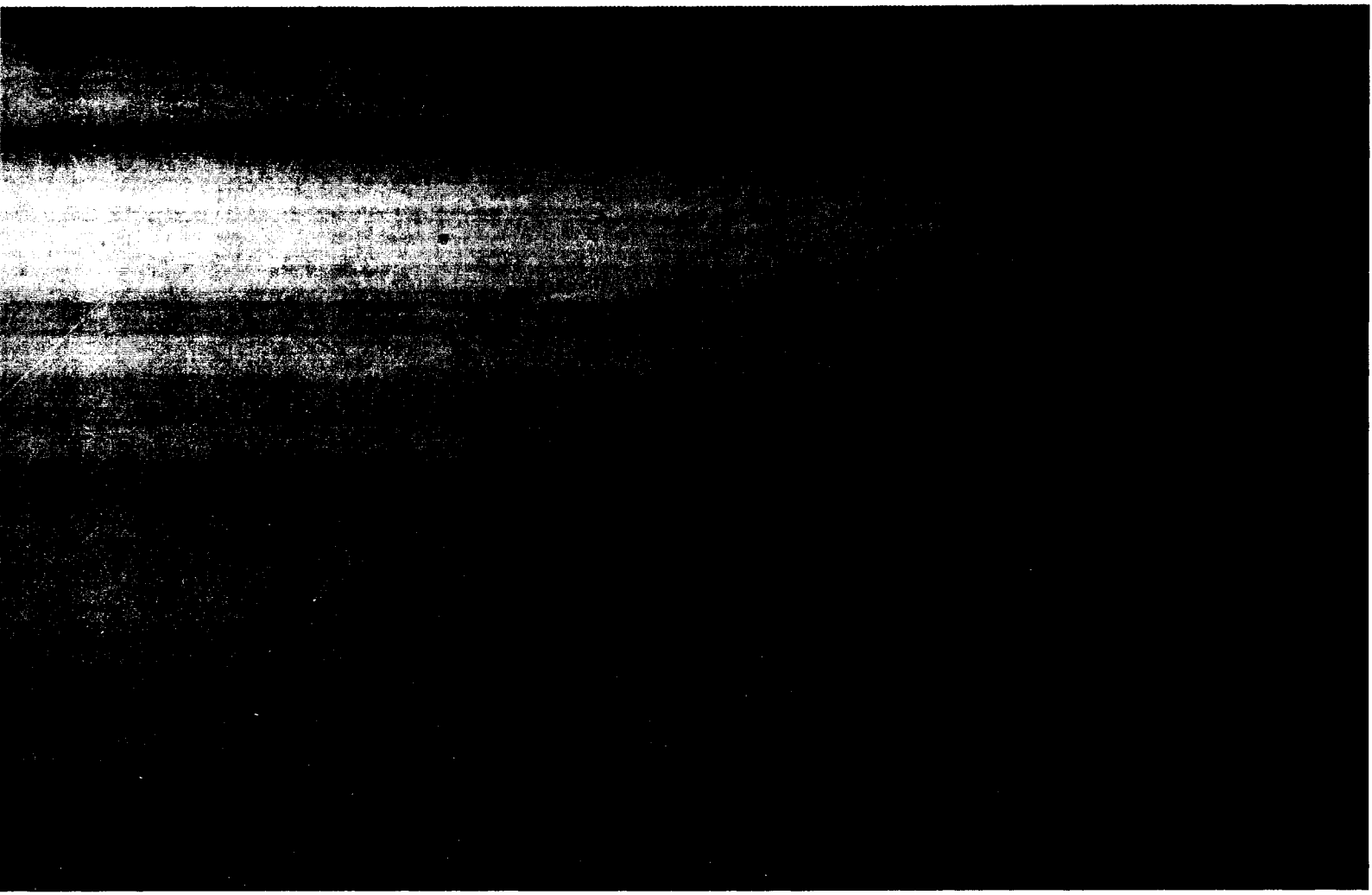
Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC WO: 0001243222  
Profile: M15-2829/132 DINGENS SITE,LLC -

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	20.49	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman





1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002498686  
Date: 10/26/2015  
Time: 13:55:07 - 13:55:44  
Scale

Gross: 68640 POU In Scale INBOUND  
Tare: 30540 POU P.T.  
Net: 38100 POU

Truck: LARABA-99  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LARAB-001/LARABA ENTERPRISE

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC WO: 0001243223  
Profile: M15-2829/132 DINGENS SITE,LLC - Manifest: LFS48

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	19.05	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226

Corporation



Ticket: 1002498699  
Date: 10/26/2015  
Time: 14:10:46 - 14:11:18  
Scale

Gross: 58480 POU In Scale INBOUND  
Tare: 28000 POU P.T.  
Net: 30480 POU

Truck: LARABA-98  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LARAB-001/LARABA ENTERPRISE

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BROS WO: 0001243224  
Profile: M15-2829/132 DINGENS SITE, LLC - Manifest: LFS48

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	15.24	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002498750  
Date: 10/26/2015  
Time: 15:10:56 - 15:11:28  
Scale

Gross: 71440 POU In Scale INBOUND  
Tare: 26720 POU P.T.  
Net: 44720 POU

Truck: PARISO-223  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-003/PARISO INC. CARMEN

Truck Type: TA  
Route: PARISO/PARISO WO: 0001243225  
Profile: M15-2829/132 DINGENS SITE,LLC - Manifest: LFS48

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	22.36	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226

Corporation



Ticket: 1002498766  
Date: 10/26/2015  
Time: 15:29:35 - 15:29:58  
Scale

Gross: 69360 POU In Scale INBOUND  
Tare: 29180 POU P.T.  
Net: 40180 POU

Truck: LARABA-97  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: MDS-001/MODERN DISPOSAL

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC WO: 0001243226  
Profile: M15-2829/132 DINGENS SITE,LLC - Manifest: LFS48

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Bufalo	DC DEC Approved Waste	20.09	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman





Corporation

1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002498803  
Date: 10/26/2015  
Time: 16:12:43 - 16:13:05  
Scale

Gross: 69380 POUIn Scale INBOUND  
Tare: 30540 POU P.T.  
Net: 38840 POU

Truck: LARABA-99  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LARAB-001/LARABA ENTERPRISE

Truck Type: TA

Route: BROKER/SUB OUT VARIOUS BRC

WO: 0001243227

Profile: M15-2829/132 DINGENS SITE,LLC

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC

Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	19.42	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226

Corporation



Ticket: 1002498809  
Date: 10/26/2015  
Time: 16:23:55 - 16:24:57  
Scale

Gross: 64940 POU In Scale INBOUND  
Tare: 28000 POU P.T.  
Net: 36940 POU

Truck: LARABA-98  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: LARAB-001/LARABA ENTERPRISE

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BROS  
Profile: M15-2829/132 DINGENS SITE,LLC -  
WO: 0001243228

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	18.47	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226

Truck: PARISO-223  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-003/PARISO INC. CARMEN

Truck Type: TA

Route: PARISO/PARISO

Profile: M15-2829/132 DINGENS SITE,LLC

WO: 0001244760

Manifest: LFS47

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC

Comment:

Ticket: 1002498880

Date: 10/27/2015

Time: 08:37:21 - 08:37:48

Scale

Gross: 66220 POU In Scale INBOUND

Tare: 26720 POU P.T.

Net: 39500 POU

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	19.75	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman

# MODERN Corporation

1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002498904  
Date: 10/27/2015  
Time: 09:04:37 - 09:06:07  
Scale

Gross: 62160 POU In      Scale INBOUND  
Tare: 25180 POU      P.T.  
Net: 36980 POU

Truck: PARISO-26  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-002/Pariso Hauling

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRC      WO: 0001244761  
Profile: M15-2829/132 DINGENS SITE,LLC      Manifest: LFS47

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	18.49	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Placer Road  
Model City, NY 14107  
(716) 754-8226

Truck: PARISO-223  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-003/PARISO INC. CARMEN

Truck Type: TA

Route: PARISO/PARISO

Profile: M15-2829/132 DINGENS SITE,LLC -

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:



Ticket: 1002498985  
Date: 10/27/2015  
Time: 10:50:10 - 10:50:33  
Scale

Gross: 67300 POU In Scale INBOUND  
Tare: 26720 POU P.T.  
Net: 40580 POU

WO: 0001244762

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	20.29	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman

# MODERN Corporation

1445 ~~Leitch~~ Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002499019  
Date: 10/27/2015  
Time: 11:22:35 - 11:22:55  
Scale

Gross: 64680 POU In Scale INBOUND  
Tare: 25180 POU P.T.  
Net: 39500 POU

Truck: PARISO-26  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-002/Pariso Hauling

Truck Type: TA

Route: BROKER/SUB OUT VARIOUS BRC WO: 0001244763  
Profile: M15-2829/132 DINGENS SITE, LLC -

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	19.75	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



# MODERN Corporation

1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002499092  
Date: 10/27/2015  
Time: 13:14:29 - 13:14:56  
Scale

Gross: 68160 POU In      Scale INBOUND  
Tare: 26720 POU      P.T.  
Net: 41440 POU

Truck: PARISO-223  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-003/PARISO INC. CARMEN

Truck Type: TA  
Route: PARISO/PARISO  
Profile: M15-2829/132 DINGENS SITE,LLC

WO: 0001244764

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	20.72	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002500510  
Date: 11/2/2015  
Time: 09:27:17 - 09:27:57  
Scale

Truck: PARISO-104  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-004/PARISO, B TRANSPORT

Truck Type: TA

Gross: 71420 POU In Scale INBOUND  
Tare: 26260 POU P.T.  
Net: 45160 POU

Route: BROKER/SUB OUT VARIOUS BRC WO: 0001246922  
Profile: M15-2829/132 DINGENS SITE,LLC -

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	22.58	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226



Ticket: 1002500622  
Date: 11/2/2015  
Time: 12:00:18 - 12:00:52  
Scale

Gross: 73300 POU In Scale INBOUND  
Tare: 26260 POU P.T.  
Net: 47040 POU

Truck: PARISO-104  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-004/PARISO, B TRANSPORT

Truck Type: TA  
Route: BROKER/SUB OUT VARIOUS BRG WO: 0001246923  
Profile: M15-2829/132 DINGENS SITE,LLC - Manifest: LFS47

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	23.52	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman



1445 Pletcher Road  
Model City, NY 14107  
(716) 754-8226

Truck: PARISO-104  
Customer: 0250310002/MODERN DISPOSAL ROI  
Carrier: PARI-004/PARISO, B TRANSPORT

Truck Type: TA

Route: BROKER/SUB OUT VARIOUS BRG WO: 0001246924

Profile: M15-2829/132 DINGENS SITE,LLC - Manifest: LFS47

Generator: 0250310002/MODERN DISPOSAL ROI  
Service Site: 0000980122 PINTO CONSTRUCTION SERVICE INC  
Comment:



Ticket: 1002500745  
Date: 11/2/2015  
Time: 14:34:55 - 14:36:03  
Scale

Gross: 84940 POU In Scale INBOUND  
Tare: 26260 POU P.T.  
Net: 58680 POU

Origin	Materials & Services	Quantity	Unit
140200/Buffalo	DC DEC Approved Waste	29.34	TON

Driver: \_\_\_\_\_

Weighmaster: Deb Lehman

**APPENDIX F-5**  
**LABORATORY REPORTS**  
**(Digital Copy on CD)**

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-86937-1

Client Project/Site: 132 Dingens

For:

Iyer Environmental Group, LLC

44 Rolling Hills Drive

Orchard Park, New York 14127

Attn: Dr. Dharmarajan R Iyer



Authorized for release by:

9/14/2015 4:19:21 PM

Rebecca Jones, Project Management Assistant I

[rebecca.jones@testamericainc.com](mailto:rebecca.jones@testamericainc.com)

Designee for

Melissa Deyo, Project Manager I

(716)504-9874

[melissa.deyo@testamericainc.com](mailto:melissa.deyo@testamericainc.com)

### LINKS

Review your project  
results through

TotalAccess

Have a Question?



Visit us at:

[www.testamericainc.com](http://www.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.*



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## Definitions/Glossary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86937-1

### Qualifiers

#### 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.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)

## Case Narrative

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86937-1

**Job ID: 480-86937-1**

**Laboratory: TestAmerica Buffalo**

### Narrative

#### Job Narrative 480-86937-1

#### Receipt

The samples were received on 9/9/2015 4:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 22.5° C.

#### Metals

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

#### Organic Prep

Method(s) 1311: Insufficient sample was provided to perform the leaching procedure with the required 100g for the following samples: LFS-25 (480-86937-2). The volume of leaching fluid was adjusted proportionally to maintain a 20:1 ratio of leaching fluid to weight of sample. Reporting limits (RLs) are not affected.

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

## Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-86937-1

### Client Sample ID: LFS-18-T

### Lab Sample ID: 480-86937-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.016		0.015	0.0056	mg/L	1		6010C	TCLP
Barium	0.34	J	1.0	0.10	mg/L	1		6010C	TCLP
Chromium	0.13		0.020	0.010	mg/L	1		6010C	TCLP
Lead	0.0078	J	0.020	0.0030	mg/L	1		6010C	TCLP

### Client Sample ID: LFS-25

### Lab Sample ID: 480-86937-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	2.2		1.0	0.10	mg/L	1		6010C	TCLP
Cadmium	0.051		0.0020	0.00050	mg/L	1		6010C	TCLP
Lead	3.5		0.020	0.0030	mg/L	1		6010C	TCLP

### Client Sample ID: LFS-26

### Lab Sample ID: 480-86937-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.096		0.015	0.0056	mg/L	1		6010C	TCLP
Barium	1.5		1.0	0.10	mg/L	1		6010C	TCLP
Lead	0.035		0.020	0.0030	mg/L	1		6010C	TCLP

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86937-1

**Client Sample ID: LFS-18-T**

**Date Collected: 09/09/15 00:00**

**Date Received: 09/09/15 16:30**

**Lab Sample ID: 480-86937-1**

**Matrix: Solid**

## Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.016		0.015	0.0056	mg/L		09/11/15 10:40	09/14/15 12:47	1
Barium	0.34	J	1.0	0.10	mg/L		09/11/15 10:40	09/14/15 12:47	1
Cadmium	ND		0.0020	0.00050	mg/L		09/11/15 10:40	09/14/15 12:47	1
Chromium	0.13		0.020	0.010	mg/L		09/11/15 10:40	09/14/15 12:47	1
Lead	0.0078	J	0.020	0.0030	mg/L		09/11/15 10:40	09/14/15 12:47	1
Selenium	ND		0.025	0.0087	mg/L		09/11/15 10:40	09/14/15 12:47	1
Silver	ND		0.0060	0.0017	mg/L		09/11/15 10:40	09/14/15 12:47	1

## Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		09/11/15 11:50	09/11/15 16:03	1

**Client Sample ID: LFS-25**

**Date Collected: 09/09/15 00:00**

**Date Received: 09/09/15 16:30**

**Lab Sample ID: 480-86937-2**

**Matrix: Solid**

## Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		09/11/15 10:40	09/14/15 12:50	1
Barium	2.2		1.0	0.10	mg/L		09/11/15 10:40	09/14/15 12:50	1
Cadmium	0.051		0.0020	0.00050	mg/L		09/11/15 10:40	09/14/15 12:50	1
Chromium	ND		0.020	0.010	mg/L		09/11/15 10:40	09/14/15 12:50	1
Lead	3.5		0.020	0.0030	mg/L		09/11/15 10:40	09/14/15 12:50	1
Selenium	ND		0.025	0.0087	mg/L		09/11/15 10:40	09/14/15 12:50	1
Silver	ND		0.0060	0.0017	mg/L		09/11/15 10:40	09/14/15 12:50	1

## Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		09/11/15 11:50	09/11/15 16:04	1

**Client Sample ID: LFS-26**

**Date Collected: 09/09/15 00:00**

**Date Received: 09/09/15 16:30**

**Lab Sample ID: 480-86937-3**

**Matrix: Solid**

## Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.096		0.015	0.0056	mg/L		09/11/15 10:40	09/14/15 12:53	1
Barium	1.5		1.0	0.10	mg/L		09/11/15 10:40	09/14/15 12:53	1
Cadmium	ND		0.0020	0.00050	mg/L		09/11/15 10:40	09/14/15 12:53	1
Chromium	ND		0.020	0.010	mg/L		09/11/15 10:40	09/14/15 12:53	1
Lead	0.035		0.020	0.0030	mg/L		09/11/15 10:40	09/14/15 12:53	1
Selenium	ND		0.025	0.0087	mg/L		09/11/15 10:40	09/14/15 12:53	1
Silver	ND		0.0060	0.0017	mg/L		09/11/15 10:40	09/14/15 12:53	1

## Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		09/11/15 11:50	09/11/15 16:06	1

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-86937-1

## Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-263081/2-A

Matrix: Solid

Analysis Batch: 263471

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 263081

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		09/11/15 10:40	09/14/15 12:17	1
Barium	ND		1.0	0.10	mg/L		09/11/15 10:40	09/14/15 12:17	1
Cadmium	ND		0.0020	0.00050	mg/L		09/11/15 10:40	09/14/15 12:17	1
Chromium	ND		0.020	0.010	mg/L		09/11/15 10:40	09/14/15 12:17	1
Lead	ND		0.020	0.0030	mg/L		09/11/15 10:40	09/14/15 12:17	1
Selenium	ND		0.025	0.0087	mg/L		09/11/15 10:40	09/14/15 12:17	1
Silver	ND		0.0060	0.0017	mg/L		09/11/15 10:40	09/14/15 12:17	1

Lab Sample ID: LCS 480-263081/3-A

Matrix: Solid

Analysis Batch: 263471

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 263081

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	1.11		mg/L		111	80 - 120
Barium	1.00	1.04		mg/L		104	80 - 120
Cadmium	1.00	1.07		mg/L		107	80 - 120
Chromium	1.00	1.01		mg/L		101	80 - 120
Lead	1.00	1.06		mg/L		106	80 - 120
Selenium	1.00	1.15		mg/L		115	80 - 120
Silver	1.00	1.14		mg/L		114	80 - 120

Lab Sample ID: LB 480-262833/1-B

Matrix: Solid

Analysis Batch: 263471

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 263081

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		09/11/15 10:40	09/14/15 12:14	1
Barium	ND		1.0	0.10	mg/L		09/11/15 10:40	09/14/15 12:14	1
Cadmium	ND		0.0020	0.00050	mg/L		09/11/15 10:40	09/14/15 12:14	1
Chromium	ND		0.020	0.010	mg/L		09/11/15 10:40	09/14/15 12:14	1
Lead	ND		0.020	0.0030	mg/L		09/11/15 10:40	09/14/15 12:14	1
Selenium	ND		0.025	0.0087	mg/L		09/11/15 10:40	09/14/15 12:14	1
Silver	ND		0.0060	0.0017	mg/L		09/11/15 10:40	09/14/15 12:14	1

Lab Sample ID: 480-86937-3 MS

Matrix: Solid

Analysis Batch: 263471

Client Sample ID: LFS-26

Prep Type: TCLP

Prep Batch: 263081

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.096		1.00	1.18		mg/L		108	75 - 125
Barium	1.5		1.00	2.46		mg/L		95	75 - 125
Cadmium	ND		1.00	1.06		mg/L		106	75 - 125
Chromium	ND		1.00	0.947		mg/L		95	75 - 125
Lead	0.035		1.00	1.08		mg/L		104	75 - 125
Selenium	ND		1.00	1.12		mg/L		112	75 - 125
Silver	ND		1.00	1.10		mg/L		110	75 - 125

TestAmerica Buffalo



# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-86937-1

## Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-86937-3 MSD

Matrix: Solid

Analysis Batch: 263471

Client Sample ID: LFS-26

Prep Type: TCLP

Prep Batch: 263081

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.096		1.00	1.16		mg/L		107	75 - 125	1	20
Barium	1.5		1.00	2.43		mg/L		92	75 - 125	1	20
Cadmium	ND		1.00	1.05		mg/L		105	75 - 125	1	20
Chromium	ND		1.00	0.943		mg/L		94	75 - 125	0	20
Lead	0.035		1.00	1.07		mg/L		104	75 - 125	0	20
Selenium	ND		1.00	1.09		mg/L		109	75 - 125	2	20
Silver	ND		1.00	1.10		mg/L		110	75 - 125	0	20

## Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-263101/2-A

Matrix: Solid

Analysis Batch: 263169

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 263101

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		09/11/15 11:50	09/11/15 15:52	1

Lab Sample ID: LCS 480-263101/3-A

Matrix: Solid

Analysis Batch: 263169

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 263101

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00668	0.00578		mg/L		87	80 - 120

Lab Sample ID: LB 480-262833/1-C

Matrix: Solid

Analysis Batch: 263169

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 263101

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		09/11/15 11:50	09/11/15 15:50	1

Lab Sample ID: 480-86937-3 MS

Matrix: Solid

Analysis Batch: 263169

Client Sample ID: LFS-26

Prep Type: TCLP

Prep Batch: 263101

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.00668	0.00615		mg/L		92	80 - 120

Lab Sample ID: 480-86937-3 MSD

Matrix: Solid

Analysis Batch: 263169

Client Sample ID: LFS-26

Prep Type: TCLP

Prep Batch: 263101

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.00668	0.00615		mg/L		92	80 - 120	0	20

TestAmerica Buffalo

# QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-86937-1

## Metals

### Leach Batch: 262833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-86937-1	LFS-18-T	TCLP	Solid	1311	
480-86937-2	LFS-25	TCLP	Solid	1311	
480-86937-3	LFS-26	TCLP	Solid	1311	
480-86937-3 MS	LFS-26	TCLP	Solid	1311	
480-86937-3 MSD	LFS-26	TCLP	Solid	1311	
LB 480-262833/1-B	Method Blank	TCLP	Solid	1311	
LB 480-262833/1-C	Method Blank	TCLP	Solid	1311	

### Prep Batch: 263081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-86937-1	LFS-18-T	TCLP	Solid	3010A	262833
480-86937-2	LFS-25	TCLP	Solid	3010A	262833
480-86937-3	LFS-26	TCLP	Solid	3010A	262833
480-86937-3 MS	LFS-26	TCLP	Solid	3010A	262833
480-86937-3 MSD	LFS-26	TCLP	Solid	3010A	262833
LB 480-262833/1-B	Method Blank	TCLP	Solid	3010A	262833
LCS 480-263081/3-A	Lab Control Sample	Total/NA	Solid	3010A	
MB 480-263081/2-A	Method Blank	Total/NA	Solid	3010A	

### Prep Batch: 263101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-86937-1	LFS-18-T	TCLP	Solid	7470A	262833
480-86937-2	LFS-25	TCLP	Solid	7470A	262833
480-86937-3	LFS-26	TCLP	Solid	7470A	262833
480-86937-3 MS	LFS-26	TCLP	Solid	7470A	262833
480-86937-3 MSD	LFS-26	TCLP	Solid	7470A	262833
LB 480-262833/1-C	Method Blank	TCLP	Solid	7470A	262833
LCS 480-263101/3-A	Lab Control Sample	Total/NA	Solid	7470A	
MB 480-263101/2-A	Method Blank	Total/NA	Solid	7470A	

### Analysis Batch: 263169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-86937-1	LFS-18-T	TCLP	Solid	7470A	263101
480-86937-2	LFS-25	TCLP	Solid	7470A	263101
480-86937-3	LFS-26	TCLP	Solid	7470A	263101
480-86937-3 MS	LFS-26	TCLP	Solid	7470A	263101
480-86937-3 MSD	LFS-26	TCLP	Solid	7470A	263101
LB 480-262833/1-C	Method Blank	TCLP	Solid	7470A	263101
LCS 480-263101/3-A	Lab Control Sample	Total/NA	Solid	7470A	263101
MB 480-263101/2-A	Method Blank	Total/NA	Solid	7470A	263101

### Analysis Batch: 263471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-86937-1	LFS-18-T	TCLP	Solid	6010C	263081
480-86937-2	LFS-25	TCLP	Solid	6010C	263081
480-86937-3	LFS-26	TCLP	Solid	6010C	263081
480-86937-3 MS	LFS-26	TCLP	Solid	6010C	263081
480-86937-3 MSD	LFS-26	TCLP	Solid	6010C	263081
LB 480-262833/1-B	Method Blank	TCLP	Solid	6010C	263081
LCS 480-263081/3-A	Lab Control Sample	Total/NA	Solid	6010C	263081
MB 480-263081/2-A	Method Blank	Total/NA	Solid	6010C	263081

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-86937-1

**Client Sample ID: LFS-18-T**

**Date Collected: 09/09/15 00:00**

**Date Received: 09/09/15 16:30**

**Lab Sample ID: 480-86937-1**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			262833	09/10/15 10:07	JLS	TAL BUF
TCLP	Prep	3010A			263081	09/11/15 10:40	CMM	TAL BUF
TCLP	Analysis	6010C		1	263471	09/14/15 12:47	AMH	TAL BUF
TCLP	Leach	1311			262833	09/10/15 10:07	JLS	TAL BUF
TCLP	Prep	7470A			263101	09/11/15 11:50	TAS	TAL BUF
TCLP	Analysis	7470A		1	263169	09/11/15 16:03	TAS	TAL BUF

**Client Sample ID: LFS-25**

**Date Collected: 09/09/15 00:00**

**Date Received: 09/09/15 16:30**

**Lab Sample ID: 480-86937-2**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			262833	09/10/15 10:07	JLS	TAL BUF
TCLP	Prep	3010A			263081	09/11/15 10:40	CMM	TAL BUF
TCLP	Analysis	6010C		1	263471	09/14/15 12:50	AMH	TAL BUF
TCLP	Leach	1311			262833	09/10/15 10:07	JLS	TAL BUF
TCLP	Prep	7470A			263101	09/11/15 11:50	TAS	TAL BUF
TCLP	Analysis	7470A		1	263169	09/11/15 16:04	TAS	TAL BUF

**Client Sample ID: LFS-26**

**Date Collected: 09/09/15 00:00**

**Date Received: 09/09/15 16:30**

**Lab Sample ID: 480-86937-3**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			262833	09/10/15 10:07	JLS	TAL BUF
TCLP	Prep	3010A			263081	09/11/15 10:40	CMM	TAL BUF
TCLP	Analysis	6010C		1	263471	09/14/15 12:53	AMH	TAL BUF
TCLP	Leach	1311			262833	09/10/15 10:07	JLS	TAL BUF
TCLP	Prep	7470A			263101	09/11/15 11:50	TAS	TAL BUF
TCLP	Analysis	7470A		1	263169	09/11/15 16:06	TAS	TAL BUF

## Laboratory References:

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

## Certification Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86937-1

### 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	03-31-16

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

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury

## Method Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86937-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF

### Protocol References:

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

## Sample Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86937-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-86937-1	LFS-18-T	Solid	09/09/15 00:00	09/09/15 16:30
480-86937-2	LFS-25	Solid	09/09/15 00:00	09/09/15 16:30
480-86937-3	LFS-26	Solid	09/09/15 00:00	09/09/15 16:30



# TestAmerica

## THE LEADER IN ENVIRONMENTAL TESTING

Drinking Water? Yes ☐ No ☒

**DISTRIBUTION:** WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

## Login Sample Receipt Checklist

Client: Iyer Environmental Group, LLC

Job Number: 480-86937-1

Login Number: 86937

List Number: 1

Creator: Janish, Carl M

List Source: TestAmerica Buffalo

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.	False	
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.	False	
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	
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	IYER
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	

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-87202-1

Client Project/Site: 132 Dingens

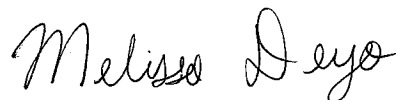
For:

Iyer Environmental Group, LLC

44 Rolling Hills Drive

Orchard Park, New York 14127

Attn: Dr. Dharmarajan R Iyer



Authorized for release by:

9/18/2015 4:35:40 PM

Melissa Deyo, Project Manager I

(716)504-9874

[melissa.deyo@testamericainc.com](mailto:melissa.deyo@testamericainc.com)

### LINKS

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[www.testamericainc.com](http://www.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.

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# Definitions/Glossary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87202-1

## Qualifiers

### GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### 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.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)

# Case Narrative

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87202-1

**Job ID: 480-87202-1**

**Laboratory: TestAmerica Buffalo**

## Narrative

### Job Narrative 480-87202-1

#### Receipt

The samples were received on 9/14/2015 5:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 21.7° C.

#### Receipt Exceptions

Sample collection times were not listed on COC or labels. A time of 0000 was used for login purposes.

#### GC Semi VOA

Method(s) 8082A: The following sample was diluted due to the abundance of target analytes: LFS-29 (480-87202-3). Elevated reporting limits (RLs) are provided.

Method(s) 8082A: The following samples appear to contain PCB-1248; however, due to weathering or other environmental processes, PCB-1248 in the samples does not closely match the laboratory's Aroclor standard used for instrument calibration: LFS-27 (480-87202-1), LFS-28 (480-87202-2), LFS-29 (480-87202-3) and LFS-30 (480-87202-4). Due to the poor match with the Aroclor standard, there is increased qualitative and quantitative uncertainty associated with these results.

Method(s) 8082A: All primary data is reported from the ZB-5 column.

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

#### Metals

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

#### Organic Prep

Method(s) 1311: Insufficient samples were provided to perform the leaching procedure with the required 100g for the following samples: LFS-27 (480-87202-1) and LFS-29 (480-87202-3). The volume of leaching fluid was adjusted proportionally to maintain a 20:1 ratio of leaching fluid to weight of sample. Reporting limits (RLs) are not affected.

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



# Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87202-1

## Client Sample ID: LFS-27

## Lab Sample ID: 480-87202-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	3.9		0.24	0.047	mg/Kg	1	☼	8082A	Total/NA
PCB-1260	0.13	J	0.24	0.11	mg/Kg	1	☼	8082A	Total/NA
Arsenic	0.0072	J	0.015	0.0056	mg/L	1		6010C	TCLP
Barium	1.1		1.0	0.10	mg/L	1		6010C	TCLP
Cadmium	0.032		0.0020	0.00050	mg/L	1		6010C	TCLP
Chromium	0.014	J	0.020	0.010	mg/L	1		6010C	TCLP
Lead	1.1		0.020	0.0030	mg/L	1		6010C	TCLP

## Client Sample ID: LFS-28

## Lab Sample ID: 480-87202-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	3.9		0.25	0.048	mg/Kg	1	☼	8082A	Total/NA
PCB-1260	0.12	J	0.25	0.12	mg/Kg	1	☼	8082A	Total/NA
Barium	1.1		1.0	0.10	mg/L	1		6010C	TCLP
Cadmium	0.024		0.0020	0.00050	mg/L	1		6010C	TCLP
Chromium	0.011	J	0.020	0.010	mg/L	1		6010C	TCLP
Lead	0.74		0.020	0.0030	mg/L	1		6010C	TCLP

## Client Sample ID: LFS-29

## Lab Sample ID: 480-87202-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	23		4.5	0.88	mg/Kg	20	☼	8082A	Total/NA
Barium	2.0		1.0	0.10	mg/L	1		6010C	TCLP
Cadmium	0.032		0.0020	0.00050	mg/L	1		6010C	TCLP
Lead	4.0		0.020	0.0030	mg/L	1		6010C	TCLP

## Client Sample ID: LFS-30

## Lab Sample ID: 480-87202-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	2.0		0.26	0.050	mg/Kg	1	☼	8082A	Total/NA
PCB-1254	3.8		0.26	0.12	mg/Kg	1	☼	8082A	Total/NA
PCB-1260	2.5		0.26	0.12	mg/Kg	1	☼	8082A	Total/NA
Barium	1.4		1.0	0.10	mg/L	1		6010C	TCLP
Cadmium	0.33		0.0020	0.00050	mg/L	1		6010C	TCLP
Lead	0.42		0.020	0.0030	mg/L	1		6010C	TCLP

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87202-1

**Client Sample ID: LFS-27**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87202-1**

**Matrix: Solid**

**Percent Solids: 86.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND	F1	0.24	0.047	mg/Kg	☼	09/16/15 08:40	09/17/15 04:26	1
PCB-1221	ND		0.24	0.047	mg/Kg	☼	09/16/15 08:40	09/17/15 04:26	1
PCB-1232	ND		0.24	0.047	mg/Kg	☼	09/16/15 08:40	09/17/15 04:26	1
PCB-1242	ND		0.24	0.047	mg/Kg	☼	09/16/15 08:40	09/17/15 04:26	1
<b>PCB-1248</b>	<b>3.9</b>		0.24	0.047	mg/Kg	☼	09/16/15 08:40	09/17/15 04:26	1
PCB-1254	ND		0.24	0.11	mg/Kg	☼	09/16/15 08:40	09/17/15 04:26	1
<b>PCB-1260</b>	<b>0.13</b>	<b>J</b>	0.24	0.11	mg/Kg	☼	09/16/15 08:40	09/17/15 04:26	1
PCB-1262	ND		0.24	0.11	mg/Kg	☼	09/16/15 08:40	09/17/15 04:26	1
PCB-1268	ND		0.24	0.11	mg/Kg	☼	09/16/15 08:40	09/17/15 04:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	97		60 - 154	09/16/15 08:40	09/17/15 04:26	1
DCB Decachlorobiphenyl	95		65 - 174	09/16/15 08:40	09/17/15 04:26	1

## Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.0072</b>	<b>J</b>	0.015	0.0056	mg/L		09/16/15 09:10	09/16/15 23:07	1
<b>Barium</b>	<b>1.1</b>		1.0	0.10	mg/L		09/16/15 09:10	09/16/15 23:07	1
<b>Cadmium</b>	<b>0.032</b>		0.0020	0.00050	mg/L		09/16/15 09:10	09/16/15 23:07	1
<b>Chromium</b>	<b>0.014</b>	<b>J</b>	0.020	0.010	mg/L		09/16/15 09:10	09/16/15 23:07	1
<b>Lead</b>	<b>1.1</b>		0.020	0.0030	mg/L		09/16/15 09:10	09/16/15 23:07	1
Selenium	ND		0.025	0.0087	mg/L		09/16/15 09:10	09/16/15 23:07	1
Silver	ND		0.0060	0.0017	mg/L		09/16/15 09:10	09/16/15 23:07	1

## Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		09/16/15 09:45	09/16/15 14:57	1

**Client Sample ID: LFS-28**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87202-2**

**Matrix: Solid**

**Percent Solids: 83.8**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.048	mg/Kg	☼	09/16/15 08:40	09/17/15 04:42	1
PCB-1221	ND		0.25	0.048	mg/Kg	☼	09/16/15 08:40	09/17/15 04:42	1
PCB-1232	ND		0.25	0.048	mg/Kg	☼	09/16/15 08:40	09/17/15 04:42	1
PCB-1242	ND		0.25	0.048	mg/Kg	☼	09/16/15 08:40	09/17/15 04:42	1
<b>PCB-1248</b>	<b>3.9</b>		0.25	0.048	mg/Kg	☼	09/16/15 08:40	09/17/15 04:42	1
PCB-1254	ND		0.25	0.12	mg/Kg	☼	09/16/15 08:40	09/17/15 04:42	1
<b>PCB-1260</b>	<b>0.12</b>	<b>J</b>	0.25	0.12	mg/Kg	☼	09/16/15 08:40	09/17/15 04:42	1
PCB-1262	ND		0.25	0.12	mg/Kg	☼	09/16/15 08:40	09/17/15 04:42	1
PCB-1268	ND		0.25	0.12	mg/Kg	☼	09/16/15 08:40	09/17/15 04:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	91		60 - 154	09/16/15 08:40	09/17/15 04:42	1
DCB Decachlorobiphenyl	83		65 - 174	09/16/15 08:40	09/17/15 04:42	1

## Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		09/16/15 09:10	09/16/15 23:10	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87202-1

**Client Sample ID: LFS-28**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87202-2**

**Matrix: Solid**

**Percent Solids: 83.8**

## Method: 6010C - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	1.1		1.0	0.10	mg/L		09/16/15 09:10	09/16/15 23:10	1
Cadmium	0.024		0.0020	0.00050	mg/L		09/16/15 09:10	09/16/15 23:10	1
Chromium	0.011	J	0.020	0.010	mg/L		09/16/15 09:10	09/16/15 23:10	1
Lead	0.74		0.020	0.0030	mg/L		09/16/15 09:10	09/16/15 23:10	1
Selenium	ND		0.025	0.0087	mg/L		09/16/15 09:10	09/16/15 23:10	1
Silver	ND		0.0060	0.0017	mg/L		09/16/15 09:10	09/16/15 23:10	1

## Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		09/16/15 09:45	09/16/15 15:00	1

**Client Sample ID: LFS-29**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87202-3**

**Matrix: Solid**

**Percent Solids: 83.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		4.5	0.88	mg/Kg	✱	09/16/15 08:40	09/17/15 04:58	20
PCB-1221	ND		4.5	0.88	mg/Kg	✱	09/16/15 08:40	09/17/15 04:58	20
PCB-1232	ND		4.5	0.88	mg/Kg	✱	09/16/15 08:40	09/17/15 04:58	20
PCB-1242	ND		4.5	0.88	mg/Kg	✱	09/16/15 08:40	09/17/15 04:58	20
PCB-1248	23		4.5	0.88	mg/Kg	✱	09/16/15 08:40	09/17/15 04:58	20
PCB-1254	ND		4.5	2.1	mg/Kg	✱	09/16/15 08:40	09/17/15 04:58	20
PCB-1260	ND		4.5	2.1	mg/Kg	✱	09/16/15 08:40	09/17/15 04:58	20
PCB-1262	ND		4.5	2.1	mg/Kg	✱	09/16/15 08:40	09/17/15 04:58	20
PCB-1268	ND		4.5	2.1	mg/Kg	✱	09/16/15 08:40	09/17/15 04:58	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	109		60 - 154	09/16/15 08:40	09/17/15 04:58	20
DCB Decachlorobiphenyl	131		65 - 174	09/16/15 08:40	09/17/15 04:58	20

## Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		09/16/15 09:10	09/16/15 23:13	1
Barium	2.0		1.0	0.10	mg/L		09/16/15 09:10	09/16/15 23:13	1
Cadmium	0.032		0.0020	0.00050	mg/L		09/16/15 09:10	09/16/15 23:13	1
Chromium	ND		0.020	0.010	mg/L		09/16/15 09:10	09/16/15 23:13	1
Lead	4.0		0.020	0.0030	mg/L		09/16/15 09:10	09/16/15 23:13	1
Selenium	ND		0.025	0.0087	mg/L		09/16/15 09:10	09/16/15 23:13	1
Silver	ND		0.0060	0.0017	mg/L		09/16/15 09:10	09/16/15 23:13	1

## Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		09/16/15 09:45	09/16/15 15:02	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-87202-1

**Client Sample ID: LFS-30**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87202-4**

**Matrix: Solid**

**Percent Solids: 86.8**

## 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	☆	09/16/15 08:40	09/17/15 05:14	1
PCB-1221	ND		0.26	0.050	mg/Kg	☆	09/16/15 08:40	09/17/15 05:14	1
PCB-1232	ND		0.26	0.050	mg/Kg	☆	09/16/15 08:40	09/17/15 05:14	1
PCB-1242	ND		0.26	0.050	mg/Kg	☆	09/16/15 08:40	09/17/15 05:14	1
PCB-1248	2.0		0.26	0.050	mg/Kg	☆	09/16/15 08:40	09/17/15 05:14	1
PCB-1254	3.8		0.26	0.12	mg/Kg	☆	09/16/15 08:40	09/17/15 05:14	1
PCB-1260	2.5		0.26	0.12	mg/Kg	☆	09/16/15 08:40	09/17/15 05:14	1
PCB-1262	ND		0.26	0.12	mg/Kg	☆	09/16/15 08:40	09/17/15 05:14	1
PCB-1268	ND		0.26	0.12	mg/Kg	☆	09/16/15 08:40	09/17/15 05:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	95		60 - 154	09/16/15 08:40	09/17/15 05:14	1
DCB Decachlorobiphenyl	116		65 - 174	09/16/15 08:40	09/17/15 05:14	1

## Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		09/16/15 09:10	09/16/15 23:16	1
Barium	1.4		1.0	0.10	mg/L		09/16/15 09:10	09/16/15 23:16	1
Cadmium	0.33		0.0020	0.00050	mg/L		09/16/15 09:10	09/16/15 23:16	1
Chromium	ND		0.020	0.010	mg/L		09/16/15 09:10	09/16/15 23:16	1
Lead	0.42		0.020	0.0030	mg/L		09/16/15 09:10	09/16/15 23:16	1
Selenium	ND		0.025	0.0087	mg/L		09/16/15 09:10	09/16/15 23:16	1
Silver	ND		0.0060	0.0017	mg/L		09/16/15 09:10	09/16/15 23:16	1

## Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		09/16/15 09:45	09/16/15 15:04	1

## Surrogate Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87202-1

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

Matrix: Solid

Prep Type: Total/NA

#### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX1 (60-154)	DCB1 (65-174)
480-87202-1	LFS-27	97	95
480-87202-1 MS	LFS-27	112	108
480-87202-1 MSD	LFS-27	116	114
480-87202-2	LFS-28	91	83
480-87202-3	LFS-29	109	131
480-87202-4	LFS-30	95	116
LCS 480-263829/2-A	Lab Control Sample	121	117
MB 480-263829/1-A	Method Blank	104	103

#### Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87202-1

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

Lab Sample ID: MB 480-263829/1-A

Matrix: Solid

Analysis Batch: 263984

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 263829

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.21	0.041	mg/Kg		09/16/15 08:40	09/17/15 03:23	1
PCB-1221	ND		0.21	0.041	mg/Kg		09/16/15 08:40	09/17/15 03:23	1
PCB-1232	ND		0.21	0.041	mg/Kg		09/16/15 08:40	09/17/15 03:23	1
PCB-1242	ND		0.21	0.041	mg/Kg		09/16/15 08:40	09/17/15 03:23	1
PCB-1248	ND		0.21	0.041	mg/Kg		09/16/15 08:40	09/17/15 03:23	1
PCB-1254	ND		0.21	0.098	mg/Kg		09/16/15 08:40	09/17/15 03:23	1
PCB-1260	ND		0.21	0.098	mg/Kg		09/16/15 08:40	09/17/15 03:23	1
PCB-1262	ND		0.21	0.098	mg/Kg		09/16/15 08:40	09/17/15 03:23	1
PCB-1268	ND		0.21	0.098	mg/Kg		09/16/15 08:40	09/17/15 03:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	104		60 - 154	09/16/15 08:40	09/17/15 03:23	1
DCB Decachlorobiphenyl	103		65 - 174	09/16/15 08:40	09/17/15 03:23	1

Lab Sample ID: LCS 480-263829/2-A

Matrix: Solid

Analysis Batch: 263984

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 263829

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
PCB-1016	1.72	1.94		mg/Kg		112	51 - 185
PCB-1260	1.72	2.19		mg/Kg		127	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	121		60 - 154
DCB Decachlorobiphenyl	117		65 - 174

Lab Sample ID: 480-87202-1 MS

Matrix: Solid

Analysis Batch: 263984

Client Sample ID: LFS-27

Prep Type: Total/NA

Prep Batch: 263829

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
PCB-1016	ND	F1	2.01	4.35	F1	mg/Kg	☼	216	50 - 177
PCB-1260	0.13	J	2.01	2.51		mg/Kg	☼	118	33 - 200

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene	112		60 - 154
DCB Decachlorobiphenyl	108		65 - 174

Lab Sample ID: 480-87202-1 MSD

Matrix: Solid

Analysis Batch: 263984

Client Sample ID: LFS-27

Prep Type: Total/NA

Prep Batch: 263829

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
PCB-1016	ND	F1	2.71	5.56	F1	mg/Kg	☼	205	50 - 177	24	50
PCB-1260	0.13	J	2.71	3.62		mg/Kg	☼	129	33 - 200	36	50

TestAmerica Buffalo



# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87202-1

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

Lab Sample ID: 480-87202-1 MSD  
Matrix: Solid  
Analysis Batch: 263984

Client Sample ID: LFS-27  
Prep Type: Total/NA  
Prep Batch: 263829

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Tetrachloro-m-xylene	116		60 - 154
DCB Decachlorobiphenyl	114		65 - 174

## Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-263827/2-A  
Matrix: Solid  
Analysis Batch: 264148

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 263827

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		09/16/15 09:10	09/16/15 23:01	1
Barium	ND		1.0	0.10	mg/L		09/16/15 09:10	09/16/15 23:01	1
Cadmium	ND		0.0020	0.00050	mg/L		09/16/15 09:10	09/16/15 23:01	1
Chromium	ND		0.020	0.010	mg/L		09/16/15 09:10	09/16/15 23:01	1
Lead	ND		0.020	0.0030	mg/L		09/16/15 09:10	09/16/15 23:01	1
Selenium	ND		0.025	0.0087	mg/L		09/16/15 09:10	09/16/15 23:01	1
Silver	ND		0.0060	0.0017	mg/L		09/16/15 09:10	09/16/15 23:01	1

Lab Sample ID: LCS 480-263827/3-A  
Matrix: Solid  
Analysis Batch: 264148

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 263827

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Arsenic	1.00	1.14		mg/L		114	80 - 120
Barium	1.00	0.997	J	mg/L		100	80 - 120
Cadmium	1.00	1.05		mg/L		105	80 - 120
Chromium	1.00	1.04		mg/L		104	80 - 120
Lead	1.00	1.03		mg/L		103	80 - 120
Selenium	1.00	1.07		mg/L		107	80 - 120
Silver	1.00	1.10		mg/L		110	80 - 120

Lab Sample ID: LB 480-263650/1-B  
Matrix: Solid  
Analysis Batch: 264148

Client Sample ID: Method Blank  
Prep Type: TCLP  
Prep Batch: 263827

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		09/16/15 09:10	09/16/15 22:58	1
Barium	ND		1.0	0.10	mg/L		09/16/15 09:10	09/16/15 22:58	1
Cadmium	ND		0.0020	0.00050	mg/L		09/16/15 09:10	09/16/15 22:58	1
Chromium	ND		0.020	0.010	mg/L		09/16/15 09:10	09/16/15 22:58	1
Lead	ND		0.020	0.0030	mg/L		09/16/15 09:10	09/16/15 22:58	1
Selenium	ND		0.025	0.0087	mg/L		09/16/15 09:10	09/16/15 22:58	1
Silver	ND		0.0060	0.0017	mg/L		09/16/15 09:10	09/16/15 22:58	1

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87202-1

## Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-87202-4 MS

Matrix: Solid

Analysis Batch: 264148

Client Sample ID: LFS-30

Prep Type: TCLP

Prep Batch: 263827

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Arsenic	ND		1.00	1.15		mg/L		115	75 - 125
Barium	1.4		1.00	2.33		mg/L		91	75 - 125
Cadmium	0.33		1.00	1.38		mg/L		105	75 - 125
Chromium	ND		1.00	0.981		mg/L		98	75 - 125
Lead	0.42		1.00	1.42		mg/L		100	75 - 125
Selenium	ND		1.00	1.10		mg/L		110	75 - 125
Silver	ND		1.00	1.08		mg/L		108	75 - 125

Lab Sample ID: 480-87202-4 MSD

Matrix: Solid

Analysis Batch: 264148

Client Sample ID: LFS-30

Prep Type: TCLP

Prep Batch: 263827

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Arsenic	ND		1.00	1.19		mg/L		119	75 - 125	3	20
Barium	1.4		1.00	2.39		mg/L		98	75 - 125	3	20
Cadmium	0.33		1.00	1.42		mg/L		110	75 - 125	3	20
Chromium	ND		1.00	1.01		mg/L		101	75 - 125	3	20
Lead	0.42		1.00	1.46		mg/L		104	75 - 125	3	20
Selenium	ND		1.00	1.13		mg/L		113	75 - 125	3	20
Silver	ND		1.00	1.11		mg/L		111	75 - 125	2	20

## Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-263835/2-A

Matrix: Solid

Analysis Batch: 263951

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 263835

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		09/16/15 09:45	09/16/15 14:51	1

Lab Sample ID: LCS 480-263835/3-A

Matrix: Solid

Analysis Batch: 263951

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 263835

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00668	0.00650		mg/L		97	80 - 120

Lab Sample ID: LB 480-263650/1-C

Matrix: Solid

Analysis Batch: 263951

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 263835

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		09/16/15 09:45	09/16/15 14:49	1

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-87202-1

## Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 480-87202-4 MS

Matrix: Solid

Analysis Batch: 263951

Client Sample ID: LFS-30

Prep Type: TCLP

Prep Batch: 263835

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.00668	0.00643		mg/L		96	80 - 120

Lab Sample ID: 480-87202-4 MSD

Matrix: Solid

Analysis Batch: 263951

Client Sample ID: LFS-30

Prep Type: TCLP

Prep Batch: 263835

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.00668	0.00632		mg/L		95	80 - 120	2	20

# QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-87202-1

## GC Semi VOA

### Prep Batch: 263829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87202-1	LFS-27	Total/NA	Solid	3550C	
480-87202-1 MS	LFS-27	Total/NA	Solid	3550C	
480-87202-1 MSD	LFS-27	Total/NA	Solid	3550C	
480-87202-2	LFS-28	Total/NA	Solid	3550C	
480-87202-3	LFS-29	Total/NA	Solid	3550C	
480-87202-4	LFS-30	Total/NA	Solid	3550C	
LCS 480-263829/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 480-263829/1-A	Method Blank	Total/NA	Solid	3550C	

### Analysis Batch: 263984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87202-1	LFS-27	Total/NA	Solid	8082A	263829
480-87202-1 MS	LFS-27	Total/NA	Solid	8082A	263829
480-87202-1 MSD	LFS-27	Total/NA	Solid	8082A	263829
480-87202-2	LFS-28	Total/NA	Solid	8082A	263829
480-87202-3	LFS-29	Total/NA	Solid	8082A	263829
480-87202-4	LFS-30	Total/NA	Solid	8082A	263829
LCS 480-263829/2-A	Lab Control Sample	Total/NA	Solid	8082A	263829
MB 480-263829/1-A	Method Blank	Total/NA	Solid	8082A	263829

## Metals

### Leach Batch: 263650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87202-1	LFS-27	TCLP	Solid	1311	
480-87202-2	LFS-28	TCLP	Solid	1311	
480-87202-3	LFS-29	TCLP	Solid	1311	
480-87202-4	LFS-30	TCLP	Solid	1311	
480-87202-4 MS	LFS-30	TCLP	Solid	1311	
480-87202-4 MSD	LFS-30	TCLP	Solid	1311	
LB 480-263650/1-B	Method Blank	TCLP	Solid	1311	
LB 480-263650/1-C	Method Blank	TCLP	Solid	1311	

### Prep Batch: 263827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87202-1	LFS-27	TCLP	Solid	3010A	263650
480-87202-2	LFS-28	TCLP	Solid	3010A	263650
480-87202-3	LFS-29	TCLP	Solid	3010A	263650
480-87202-4	LFS-30	TCLP	Solid	3010A	263650
480-87202-4 MS	LFS-30	TCLP	Solid	3010A	263650
480-87202-4 MSD	LFS-30	TCLP	Solid	3010A	263650
LB 480-263650/1-B	Method Blank	TCLP	Solid	3010A	263650
LCS 480-263827/3-A	Lab Control Sample	Total/NA	Solid	3010A	
MB 480-263827/2-A	Method Blank	Total/NA	Solid	3010A	

### Prep Batch: 263835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87202-1	LFS-27	TCLP	Solid	7470A	263650
480-87202-2	LFS-28	TCLP	Solid	7470A	263650
480-87202-3	LFS-29	TCLP	Solid	7470A	263650

TestAmerica Buffalo

# QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-87202-1

## Metals (Continued)

### Prep Batch: 263835 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87202-4	LFS-30	TCLP	Solid	7470A	263650
480-87202-4 MS	LFS-30	TCLP	Solid	7470A	263650
480-87202-4 MSD	LFS-30	TCLP	Solid	7470A	263650
LB 480-263650/1-C	Method Blank	TCLP	Solid	7470A	263650
LCS 480-263835/3-A	Lab Control Sample	Total/NA	Solid	7470A	
MB 480-263835/2-A	Method Blank	Total/NA	Solid	7470A	

### Analysis Batch: 263951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87202-1	LFS-27	TCLP	Solid	7470A	263835
480-87202-2	LFS-28	TCLP	Solid	7470A	263835
480-87202-3	LFS-29	TCLP	Solid	7470A	263835
480-87202-4	LFS-30	TCLP	Solid	7470A	263835
480-87202-4 MS	LFS-30	TCLP	Solid	7470A	263835
480-87202-4 MSD	LFS-30	TCLP	Solid	7470A	263835
LB 480-263650/1-C	Method Blank	TCLP	Solid	7470A	263835
LCS 480-263835/3-A	Lab Control Sample	Total/NA	Solid	7470A	263835
MB 480-263835/2-A	Method Blank	Total/NA	Solid	7470A	263835

### Analysis Batch: 264148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87202-1	LFS-27	TCLP	Solid	6010C	263827
480-87202-2	LFS-28	TCLP	Solid	6010C	263827
480-87202-3	LFS-29	TCLP	Solid	6010C	263827
480-87202-4	LFS-30	TCLP	Solid	6010C	263827
480-87202-4 MS	LFS-30	TCLP	Solid	6010C	263827
480-87202-4 MSD	LFS-30	TCLP	Solid	6010C	263827
LB 480-263650/1-B	Method Blank	TCLP	Solid	6010C	263827
LCS 480-263827/3-A	Lab Control Sample	Total/NA	Solid	6010C	263827
MB 480-263827/2-A	Method Blank	Total/NA	Solid	6010C	263827

## General Chemistry

### Analysis Batch: 263547

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87202-1	LFS-27	Total/NA	Solid	Moisture	
480-87202-2	LFS-28	Total/NA	Solid	Moisture	
480-87202-3	LFS-29	Total/NA	Solid	Moisture	
480-87202-4	LFS-30	Total/NA	Solid	Moisture	

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-87202-1

**Client Sample ID: LFS-27**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87202-1**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			263650	09/15/15 11:09	JLS	TAL BUF
TCLP	Prep	3010A			263827	09/16/15 09:10	KJ1	TAL BUF
TCLP	Analysis	6010C		1	264148	09/16/15 23:07	AMH	TAL BUF
TCLP	Leach	1311			263650	09/15/15 11:09	JLS	TAL BUF
TCLP	Prep	7470A			263835	09/16/15 09:45	TAS	TAL BUF
TCLP	Analysis	7470A		1	263951	09/16/15 14:57	TAS	TAL BUF
Total/NA	Analysis	Moisture		1	263547	09/15/15 05:21	CSW	TAL BUF

**Client Sample ID: LFS-27**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87202-1**

**Matrix: Solid**

**Percent Solids: 86.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			263829	09/16/15 08:40	TRG	TAL BUF
Total/NA	Analysis	8082A		1	263984	09/17/15 04:26	KS	TAL BUF

**Client Sample ID: LFS-28**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87202-2**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			263650	09/15/15 11:09	JLS	TAL BUF
TCLP	Prep	3010A			263827	09/16/15 09:10	KJ1	TAL BUF
TCLP	Analysis	6010C		1	264148	09/16/15 23:10	AMH	TAL BUF
TCLP	Leach	1311			263650	09/15/15 11:09	JLS	TAL BUF
TCLP	Prep	7470A			263835	09/16/15 09:45	TAS	TAL BUF
TCLP	Analysis	7470A		1	263951	09/16/15 15:00	TAS	TAL BUF
Total/NA	Analysis	Moisture		1	263547	09/15/15 05:21	CSW	TAL BUF

**Client Sample ID: LFS-28**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87202-2**

**Matrix: Solid**

**Percent Solids: 83.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			263829	09/16/15 08:40	TRG	TAL BUF
Total/NA	Analysis	8082A		1	263984	09/17/15 04:42	KS	TAL BUF

**Client Sample ID: LFS-29**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87202-3**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			263650	09/15/15 11:09	JLS	TAL BUF

TestAmerica Buffalo



# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-87202-1

**Client Sample ID: LFS-29**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87202-3**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Prep	3010A			263827	09/16/15 09:10	KJ1	TAL BUF
TCLP	Analysis	6010C		1	264148	09/16/15 23:13	AMH	TAL BUF
TCLP	Leach	1311			263650	09/15/15 11:09	JLS	TAL BUF
TCLP	Prep	7470A			263835	09/16/15 09:45	TAS	TAL BUF
TCLP	Analysis	7470A		1	263951	09/16/15 15:02	TAS	TAL BUF
Total/NA	Analysis	Moisture		1	263547	09/15/15 05:21	CSW	TAL BUF

**Client Sample ID: LFS-29**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87202-3**

**Matrix: Solid**

**Percent Solids: 83.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			263829	09/16/15 08:40	TRG	TAL BUF
Total/NA	Analysis	8082A		20	263984	09/17/15 04:58	KS	TAL BUF

**Client Sample ID: LFS-30**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87202-4**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			263650	09/15/15 11:09	JLS	TAL BUF
TCLP	Prep	3010A			263827	09/16/15 09:10	KJ1	TAL BUF
TCLP	Analysis	6010C		1	264148	09/16/15 23:16	AMH	TAL BUF
TCLP	Leach	1311			263650	09/15/15 11:09	JLS	TAL BUF
TCLP	Prep	7470A			263835	09/16/15 09:45	TAS	TAL BUF
TCLP	Analysis	7470A		1	263951	09/16/15 15:04	TAS	TAL BUF
Total/NA	Analysis	Moisture		1	263547	09/15/15 05:21	CSW	TAL BUF

**Client Sample ID: LFS-30**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87202-4**

**Matrix: Solid**

**Percent Solids: 86.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			263829	09/16/15 08:40	TRG	TAL BUF
Total/NA	Analysis	8082A		1	263984	09/17/15 05:14	KS	TAL BUF

## Laboratory References:

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

TestAmerica Buffalo

# Certification Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87202-1

## 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	03-31-16

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

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

## Method Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87202-1

Method	Method Description	Protocol	Laboratory
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	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

## Sample Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87202-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-87202-1	LFS-27	Solid	09/14/15 00:00	09/14/15 17:30
480-87202-2	LFS-28	Solid	09/14/15 00:00	09/14/15 17:30
480-87202-3	LFS-29	Solid	09/14/15 00:00	09/14/15 17:30
480-87202-4	LFS-30	Solid	09/14/15 00:00	09/14/15 17:30

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt \_\_\_\_\_

Drinking Water? Yes ☐ No ☒

## Chain of Custody Record

TAL-4124 (1007)

Client <b>1 yer Environmental Group</b>		Project Manager <b>Dharma 1 yer</b>		Date <b>sep 16, 2015</b>	Chain of Custody Number <b>264476</b>
Address <b>44 Rolling Hills Dr</b>		Telephone Number (Area Code)/Fax Number <b>(716) 662-4157</b>		Page <b>1</b> of <b>1</b>	
City <b>Orchard Park</b>	State <b>NY</b>	Zip Code <b>14127</b>	Site Contact <b>R. Allen</b>	Analysis (Attach list if more space is needed)	
Project Name and Location (State) <b>132 Dingers St (NY)</b>			Lab Contact <b>Mr. Deyo</b>		
Contract/Purchase Order/Quote No.			Carrier/Waybill Number		

Special Instructions/  
Conditions of Receipt

CAT A

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Total PCB	Total																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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480-87202 Chain of Custody

Possible Hazard Identification		Sample Disposal		(A fee may be assessed if samples are retained longer than 1 month)	
<input checked="" type="checkbox"/> Non-Hazard	<input type="checkbox"/> Flammable	<input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Poison B	<input type="checkbox"/> Unknown	
Turn Around Time Required		Disposal By Lab		Archive For _____ Months	
<input type="checkbox"/> 24 Hours	<input type="checkbox"/> 48 Hours	<input checked="" type="checkbox"/> 7 Days	<input type="checkbox"/> 14 Days	<input type="checkbox"/> 21 Days	

QC Requirements (Specify)

1. Relinquished By <b>Richard C Allen Jr</b>	Date <b>9/14/15</b>	Time	1. Received By <b>Urukow TA</b>	Date <b>09/14/15</b>	Time <b>1730</b>
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

Temp 21.7 #1 NOISE

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

## Login Sample Receipt Checklist

Client: Iyer Environmental Group, LLC

Job Number: 480-87202-1

**Login Number: 87202**

**List Source: TestAmerica Buffalo**

**List Number: 1**

**Creator: Williams, Christopher S**

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.	False	SAMPLE TIMES NOT LISTED
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.	False	SAMPLE TIMES NOT LISTED ON LABELS
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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
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	IYER
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	



## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-87472-1

Client Project/Site: 132 Dingens

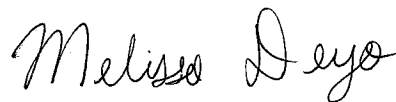
For:

Iyer Environmental Group, LLC

44 Rolling Hills Drive

Orchard Park, New York 14127

Attn: Dr. Dharmarajan R Iyer



Authorized for release by:

9/24/2015 9:48:35 AM

Melissa Deyo, Project Manager I

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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.

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## Definitions/Glossary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87472-1

### Qualifiers

#### 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.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)

## Case Narrative

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87472-1

**Job ID: 480-87472-1**

**Laboratory: TestAmerica Buffalo**

### Narrative

#### Job Narrative 480-87472-1

#### Receipt

The samples were received on 9/17/2015 5:40 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 19.1° C.

#### Receipt Exceptions

No times of collection provided, time of 00:00 was used for sample login.

#### Metals

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

#### Organic Prep

Method(s) 1311: Insufficient sample was provided to perform the leaching procedure with the required 100g for the following samples: LFS-32 (480-87472-2). The volume of leaching fluid was adjusted proportionally to maintain a 20:1 ratio of leaching fluid to weight of sample. Reporting limits (RLs) are not affected.

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

## Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87472-1

### Client Sample ID: LFS-31

### Lab Sample ID: 480-87472-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.075		0.015	0.0056	mg/L	1		6010C	TCLP
Barium	1.2		1.0	0.10	mg/L	1		6010C	TCLP
Lead	0.034		0.020	0.0030	mg/L	1		6010C	TCLP

### Client Sample ID: LFS-32

### Lab Sample ID: 480-87472-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.012	J	0.015	0.0056	mg/L	1		6010C	TCLP
Barium	2.0		1.0	0.10	mg/L	1		6010C	TCLP
Cadmium	0.038		0.0020	0.00050	mg/L	1		6010C	TCLP
Lead	3.3		0.020	0.0030	mg/L	1		6010C	TCLP
Mercury	0.00029		0.00020	0.00012	mg/L	1		7470A	TCLP

### Client Sample ID: LFS-33-T

### Lab Sample ID: 480-87472-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0098	J	0.015	0.0056	mg/L	1		6010C	TCLP
Barium	0.33	J	1.0	0.10	mg/L	1		6010C	TCLP
Lead	0.0079	J	0.020	0.0030	mg/L	1		6010C	TCLP

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87472-1

**Client Sample ID: LFS-31**

**Date Collected: 09/17/15 00:00**

**Date Received: 09/17/15 17:40**

**Lab Sample ID: 480-87472-1**

**Matrix: Solid**

## Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075		0.015	0.0056	mg/L		09/22/15 10:50	09/23/15 11:19	1
Barium	1.2		1.0	0.10	mg/L		09/22/15 10:50	09/23/15 11:19	1
Cadmium	ND		0.0020	0.00050	mg/L		09/22/15 10:50	09/23/15 11:19	1
Chromium	ND		0.020	0.010	mg/L		09/22/15 10:50	09/23/15 11:19	1
Lead	0.034		0.020	0.0030	mg/L		09/22/15 10:50	09/23/15 11:19	1
Selenium	ND		0.025	0.0087	mg/L		09/22/15 10:50	09/23/15 11:19	1
Silver	ND		0.0060	0.0017	mg/L		09/22/15 10:50	09/23/15 11:19	1

## Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		09/22/15 11:15	09/22/15 15:19	1

**Client Sample ID: LFS-32**

**Date Collected: 09/17/15 00:00**

**Date Received: 09/17/15 17:40**

**Lab Sample ID: 480-87472-2**

**Matrix: Solid**

## Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.012	J	0.015	0.0056	mg/L		09/22/15 10:50	09/23/15 11:35	1
Barium	2.0		1.0	0.10	mg/L		09/22/15 10:50	09/23/15 11:35	1
Cadmium	0.038		0.0020	0.00050	mg/L		09/22/15 10:50	09/23/15 11:35	1
Chromium	ND		0.020	0.010	mg/L		09/22/15 10:50	09/23/15 11:35	1
Lead	3.3		0.020	0.0030	mg/L		09/22/15 10:50	09/23/15 11:35	1
Selenium	ND		0.025	0.0087	mg/L		09/22/15 10:50	09/23/15 11:35	1
Silver	ND		0.0060	0.0017	mg/L		09/22/15 10:50	09/23/15 11:35	1

## Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00029		0.00020	0.00012	mg/L		09/22/15 11:15	09/22/15 15:26	1

**Client Sample ID: LFS-33-T**

**Date Collected: 09/17/15 00:00**

**Date Received: 09/17/15 17:40**

**Lab Sample ID: 480-87472-3**

**Matrix: Solid**

## Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0098	J	0.015	0.0056	mg/L		09/22/15 10:50	09/23/15 11:46	1
Barium	0.33	J	1.0	0.10	mg/L		09/22/15 10:50	09/23/15 11:46	1
Cadmium	ND		0.0020	0.00050	mg/L		09/22/15 10:50	09/23/15 11:46	1
Chromium	ND		0.020	0.010	mg/L		09/22/15 10:50	09/23/15 11:46	1
Lead	0.0079	J	0.020	0.0030	mg/L		09/22/15 10:50	09/23/15 11:46	1
Selenium	ND		0.025	0.0087	mg/L		09/22/15 10:50	09/23/15 11:46	1
Silver	ND		0.0060	0.0017	mg/L		09/22/15 10:50	09/23/15 11:46	1

## Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		09/22/15 11:15	09/22/15 15:27	1

TestAmerica Buffalo



# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87472-1

## Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-264839/2-A

Matrix: Solid

Analysis Batch: 265222

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 264839

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		09/22/15 10:50	09/23/15 11:13	1
Barium	ND		1.0	0.10	mg/L		09/22/15 10:50	09/23/15 11:13	1
Cadmium	ND		0.0020	0.00050	mg/L		09/22/15 10:50	09/23/15 11:13	1
Chromium	ND		0.020	0.010	mg/L		09/22/15 10:50	09/23/15 11:13	1
Lead	ND		0.020	0.0030	mg/L		09/22/15 10:50	09/23/15 11:13	1
Selenium	ND		0.025	0.0087	mg/L		09/22/15 10:50	09/23/15 11:13	1
Silver	ND		0.0060	0.0017	mg/L		09/22/15 10:50	09/23/15 11:13	1

Lab Sample ID: LCS 480-264839/3-A

Matrix: Solid

Analysis Batch: 265222

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 264839

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.20	1.23		mg/L		102	80 - 120
Barium	1.20	1.16		mg/L		96	80 - 120
Cadmium	1.20	1.19		mg/L		99	80 - 120
Chromium	1.20	1.17		mg/L		97	80 - 120
Lead	1.20	1.18		mg/L		98	80 - 120
Selenium	1.20	1.25		mg/L		104	80 - 120
Silver	1.05	1.08		mg/L		103	80 - 120

Lab Sample ID: LB 480-264642/1-B

Matrix: Solid

Analysis Batch: 265222

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 264839

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		09/22/15 10:50	09/23/15 11:10	1
Barium	ND		1.0	0.10	mg/L		09/22/15 10:50	09/23/15 11:10	1
Cadmium	ND		0.0020	0.00050	mg/L		09/22/15 10:50	09/23/15 11:10	1
Chromium	ND		0.020	0.010	mg/L		09/22/15 10:50	09/23/15 11:10	1
Lead	ND		0.020	0.0030	mg/L		09/22/15 10:50	09/23/15 11:10	1
Selenium	ND		0.025	0.0087	mg/L		09/22/15 10:50	09/23/15 11:10	1
Silver	ND		0.0060	0.0017	mg/L		09/22/15 10:50	09/23/15 11:10	1

Lab Sample ID: 480-87472-1 MS

Matrix: Solid

Analysis Batch: 265222

Client Sample ID: LFS-31

Prep Type: TCLP

Prep Batch: 264839

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.075		1.20	1.33		mg/L		104	75 - 125
Barium	1.2		1.20	2.32		mg/L		90	75 - 125
Cadmium	ND		1.20	1.24		mg/L		103	75 - 125
Chromium	ND		1.20	1.14		mg/L		95	75 - 125
Lead	0.034		1.20	1.23		mg/L		100	75 - 125
Selenium	ND		1.20	1.30		mg/L		108	75 - 125
Silver	ND		1.05	1.11		mg/L		106	75 - 125

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-87472-1

## Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-87472-1 MSD

Matrix: Solid

Analysis Batch: 265222

Client Sample ID: LFS-31

Prep Type: TCLP

Prep Batch: 264839

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.075		1.20	1.30		mg/L		102	75 - 125	2	20
Barium	1.2		1.20	2.25		mg/L		83	75 - 125	3	20
Cadmium	ND		1.20	1.20		mg/L		100	75 - 125	3	20
Chromium	ND		1.20	1.11		mg/L		93	75 - 125	2	20
Lead	0.034		1.20	1.20		mg/L		97	75 - 125	3	20
Selenium	ND		1.20	1.24		mg/L		104	75 - 125	4	20
Silver	ND		1.05	1.08		mg/L		103	75 - 125	3	20

## Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-264856/2-A

Matrix: Solid

Analysis Batch: 264978

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 264856

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		09/22/15 11:15	09/22/15 15:11	1

Lab Sample ID: LCS 480-264856/3-A

Matrix: Solid

Analysis Batch: 264978

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 264856

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00668	0.00657		mg/L		98	80 - 120

Lab Sample ID: LB 480-264642/1-C

Matrix: Solid

Analysis Batch: 264978

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 264856

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		09/22/15 11:15	09/22/15 15:10	1

Lab Sample ID: 480-87472-1 MS

Matrix: Solid

Analysis Batch: 264978

Client Sample ID: LFS-31

Prep Type: TCLP

Prep Batch: 264856

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.00668	0.00658		mg/L		99	80 - 120

Lab Sample ID: 480-87472-1 MSD

Matrix: Solid

Analysis Batch: 264978

Client Sample ID: LFS-31

Prep Type: TCLP

Prep Batch: 264856

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.00668	0.00652		mg/L		98	80 - 120	1	20

TestAmerica Buffalo

# QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-87472-1

## Metals

### Leach Batch: 264642

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87472-1	LFS-31	TCLP	Solid	1311	
480-87472-1 MS	LFS-31	TCLP	Solid	1311	
480-87472-1 MSD	LFS-31	TCLP	Solid	1311	
480-87472-2	LFS-32	TCLP	Solid	1311	
480-87472-3	LFS-33-T	TCLP	Solid	1311	
LB 480-264642/1-B	Method Blank	TCLP	Solid	1311	
LB 480-264642/1-C	Method Blank	TCLP	Solid	1311	

### Prep Batch: 264839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87472-1	LFS-31	TCLP	Solid	3010A	264642
480-87472-1 MS	LFS-31	TCLP	Solid	3010A	264642
480-87472-1 MSD	LFS-31	TCLP	Solid	3010A	264642
480-87472-2	LFS-32	TCLP	Solid	3010A	264642
480-87472-3	LFS-33-T	TCLP	Solid	3010A	264642
LB 480-264642/1-B	Method Blank	TCLP	Solid	3010A	264642
LCS 480-264839/3-A	Lab Control Sample	Total/NA	Solid	3010A	
MB 480-264839/2-A	Method Blank	Total/NA	Solid	3010A	

### Prep Batch: 264856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87472-1	LFS-31	TCLP	Solid	7470A	264642
480-87472-1 MS	LFS-31	TCLP	Solid	7470A	264642
480-87472-1 MSD	LFS-31	TCLP	Solid	7470A	264642
480-87472-2	LFS-32	TCLP	Solid	7470A	264642
480-87472-3	LFS-33-T	TCLP	Solid	7470A	264642
LB 480-264642/1-C	Method Blank	TCLP	Solid	7470A	264642
LCS 480-264856/3-A	Lab Control Sample	Total/NA	Solid	7470A	
MB 480-264856/2-A	Method Blank	Total/NA	Solid	7470A	

### Analysis Batch: 264978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87472-1	LFS-31	TCLP	Solid	7470A	264856
480-87472-1 MS	LFS-31	TCLP	Solid	7470A	264856
480-87472-1 MSD	LFS-31	TCLP	Solid	7470A	264856
480-87472-2	LFS-32	TCLP	Solid	7470A	264856
480-87472-3	LFS-33-T	TCLP	Solid	7470A	264856
LB 480-264642/1-C	Method Blank	TCLP	Solid	7470A	264856
LCS 480-264856/3-A	Lab Control Sample	Total/NA	Solid	7470A	264856
MB 480-264856/2-A	Method Blank	Total/NA	Solid	7470A	264856

### Analysis Batch: 265222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87472-1	LFS-31	TCLP	Solid	6010C	264839
480-87472-1 MS	LFS-31	TCLP	Solid	6010C	264839
480-87472-1 MSD	LFS-31	TCLP	Solid	6010C	264839
480-87472-2	LFS-32	TCLP	Solid	6010C	264839
480-87472-3	LFS-33-T	TCLP	Solid	6010C	264839
LB 480-264642/1-B	Method Blank	TCLP	Solid	6010C	264839
LCS 480-264839/3-A	Lab Control Sample	Total/NA	Solid	6010C	264839
MB 480-264839/2-A	Method Blank	Total/NA	Solid	6010C	264839

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87472-1

**Client Sample ID: LFS-31**

**Date Collected: 09/17/15 00:00**

**Date Received: 09/17/15 17:40**

**Lab Sample ID: 480-87472-1**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			264642	09/21/15 09:10	JLS	TAL BUF
TCLP	Prep	3010A			264839	09/22/15 10:50	KJ1	TAL BUF
TCLP	Analysis	6010C		1	265222	09/23/15 11:19	AMH	TAL BUF
TCLP	Leach	1311			264642	09/21/15 09:10	JLS	TAL BUF
TCLP	Prep	7470A			264856	09/22/15 11:15	TAS	TAL BUF
TCLP	Analysis	7470A		1	264978	09/22/15 15:19	TAS	TAL BUF

**Client Sample ID: LFS-32**

**Date Collected: 09/17/15 00:00**

**Date Received: 09/17/15 17:40**

**Lab Sample ID: 480-87472-2**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			264642	09/21/15 09:10	JLS	TAL BUF
TCLP	Prep	3010A			264839	09/22/15 10:50	KJ1	TAL BUF
TCLP	Analysis	6010C		1	265222	09/23/15 11:35	AMH	TAL BUF
TCLP	Leach	1311			264642	09/21/15 09:10	JLS	TAL BUF
TCLP	Prep	7470A			264856	09/22/15 11:15	TAS	TAL BUF
TCLP	Analysis	7470A		1	264978	09/22/15 15:26	TAS	TAL BUF

**Client Sample ID: LFS-33-T**

**Date Collected: 09/17/15 00:00**

**Date Received: 09/17/15 17:40**

**Lab Sample ID: 480-87472-3**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			264642	09/21/15 09:10	JLS	TAL BUF
TCLP	Prep	3010A			264839	09/22/15 10:50	KJ1	TAL BUF
TCLP	Analysis	6010C		1	265222	09/23/15 11:46	AMH	TAL BUF
TCLP	Leach	1311			264642	09/21/15 09:10	JLS	TAL BUF
TCLP	Prep	7470A			264856	09/22/15 11:15	TAS	TAL BUF
TCLP	Analysis	7470A		1	264978	09/22/15 15:27	TAS	TAL BUF

## Laboratory References:

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

# Certification Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87472-1

## 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	03-31-16

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

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury

## Method Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87472-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF

### Protocol References:

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



## Sample Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87472-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-87472-1	LFS-31	Solid	09/17/15 00:00	09/17/15 17:40
480-87472-2	LFS-32	Solid	09/17/15 00:00	09/17/15 17:40
480-87472-3	LFS-33-T	Solid	09/17/15 00:00	09/17/15 17:40

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## Login Sample Receipt Checklist

Client: Iyer Environmental Group, LLC

Job Number: 480-87472-1

**Login Number: 87472**

**List Number: 1**

**Creator: Kolb, Chris M**

**List Source: TestAmerica Buffalo**

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.	False	
Cooler Temperature is acceptable.	True	Yes: Received same day of collection
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.	False	Refer to job narrative for details
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.	False	Refer to job narrative for details
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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
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	iyer env.
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-87871-1

Client Project/Site: 132 Dingens

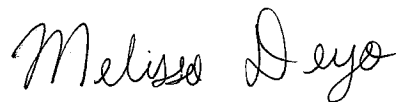
For:

Iyer Environmental Group, LLC

44 Rolling Hills Drive

Orchard Park, New York 14127

Attn: Dr. Dharmarajan R Iyer



Authorized for release by:

10/1/2015 11:50:48 AM

Melissa Deyo, Project Manager I

(716)504-9874

[melissa.deyo@testamericainc.com](mailto:melissa.deyo@testamericainc.com)

### LINKS

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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.

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## Definitions/Glossary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87871-1

### Qualifiers

#### 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.

#### 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.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)



# Case Narrative

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87871-1

## Job ID: 480-87871-1

### Laboratory: TestAmerica Buffalo

#### Narrative

#### Job Narrative 480-87871-1

#### Receipt

The samples were received on 9/24/2015 1:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 25.3° C.

#### Receipt Exceptions

Times of collection were not provided. Time of 00:00 was used for login.

#### GC Semi VOA

Method(s) 8082A: The following sample was diluted due to the nature of the sample matrix: LFS-35 (480-87871-2). Elevated reporting limits (RLs) are provided.

Method(s) 8082A: The following samples were diluted due to the abundance of target analytes: LFS-36 (480-87871-3), LFS-41 (480-87871-8) and LFS-42 (480-87871-9). Elevated reporting limits (RLs) are provided.

Method(s) 8082A: The following sample appears to contain polychlorinated biphenyls (PCBs); however, due to the presence of unknown patterns, the PCBs in the sample do not closely match any of the laboratory's Aroclor standards used for instrument calibration: LFS-41 (480-87871-8). The sample has been quantified and reported as a mixture of PCB-1248 and PCB-1254. Due to the poor match with the Aroclor standards, there is increased qualitative and quantitative uncertainty associated with the results.

Method(s) 8082A: All primary data is reported from the ZB-5 column.

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

#### Metals

Method(s) 6010C: The following sample was diluted for TCLP Selenium due to the nature of the sample matrix: LFS-37 (480-87871-4). Elevated reporting limits (RLs) are provided.

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

#### Organic Prep

Method(s) 1311: Due to the sample matrix and associated reaction to the extraction fluid, the laboratory was unable to perform the leaching procedure with the required 100g for the following sample: LFS-37 (480-87871-4). The volume of leaching fluid was adjusted proportionally to maintain a 20:1 ratio of leaching fluid to weight of sample. Reporting limits (RLs) are not affected.

Method(s) 1311: Insufficient samples were provided to perform the leaching procedure with the required 100g for the following sample: LFS-34 (480-87871-1) and LFS-42 (480-87871-9). The volume of leaching fluid was adjusted proportionally to maintain a 20:1 ratio of leaching fluid to weight of sample. Reporting limits (RLs) are not affected.

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

# Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-87871-1

## Client Sample ID: LFS-34

## Lab Sample ID: 480-87871-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1248	0.18	J	0.22	0.043	mg/Kg	1		✱	8082A	Total/NA
PCB-1254	0.29		0.22	0.10	mg/Kg	1		✱	8082A	Total/NA
PCB-1260	0.13	J	0.22	0.10	mg/Kg	1		✱	8082A	Total/NA
Barium	0.72	J	1.0	0.10	mg/L	1			6010C	TCLP
Cadmium	0.015		0.0020	0.00050	mg/L	1			6010C	TCLP
Lead	0.11		0.020	0.0030	mg/L	1			6010C	TCLP

## Client Sample ID: LFS-35

## Lab Sample ID: 480-87871-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1254	1.1		0.42	0.20	mg/Kg	2		✱	8082A	Total/NA
PCB-1260	0.40	J	0.42	0.20	mg/Kg	2		✱	8082A	Total/NA
Barium	0.46	J	1.0	0.10	mg/L	1			6010C	TCLP
Cadmium	0.0081		0.0020	0.00050	mg/L	1			6010C	TCLP
Lead	0.045		0.020	0.0030	mg/L	1			6010C	TCLP

## Client Sample ID: LFS-36

## Lab Sample ID: 480-87871-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1260	5.5		2.3	1.1	mg/Kg	10		✱	8082A	Total/NA
Barium	0.80	J	1.0	0.10	mg/L	1			6010C	TCLP
Cadmium	0.042		0.0020	0.00050	mg/L	1			6010C	TCLP
Chromium	0.011	J	0.020	0.010	mg/L	1			6010C	TCLP
Lead	0.11		0.020	0.0030	mg/L	1			6010C	TCLP

## Client Sample ID: LFS-37

## Lab Sample ID: 480-87871-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1248	1.1		0.23	0.045	mg/Kg	1		✱	8082A	Total/NA
PCB-1254	1.2		0.23	0.11	mg/Kg	1		✱	8082A	Total/NA
PCB-1260	0.57		0.23	0.11	mg/Kg	1		✱	8082A	Total/NA
Barium	0.83	J	1.0	0.10	mg/L	1			6010C	TCLP
Cadmium	0.075		0.0020	0.00050	mg/L	1			6010C	TCLP
Lead	0.48		0.020	0.0030	mg/L	1			6010C	TCLP

## Client Sample ID: LFS-38

## Lab Sample ID: 480-87871-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1248	0.81		0.24	0.046	mg/Kg	1		✱	8082A	Total/NA
PCB-1260	1.6		0.24	0.11	mg/Kg	1		✱	8082A	Total/NA
Barium	0.68	J	1.0	0.10	mg/L	1			6010C	TCLP
Cadmium	0.067		0.0020	0.00050	mg/L	1			6010C	TCLP
Chromium	0.014	J	0.020	0.010	mg/L	1			6010C	TCLP
Lead	0.40		0.020	0.0030	mg/L	1			6010C	TCLP

## Client Sample ID: LFS-39

## Lab Sample ID: 480-87871-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1248	0.48		0.22	0.043	mg/Kg	1		✱	8082A	Total/NA
PCB-1254	1.1		0.22	0.10	mg/Kg	1		✱	8082A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

## Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87871-1

### Client Sample ID: LFS-39 (Continued)

### Lab Sample ID: 480-87871-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1260	0.76		0.22	0.10	mg/Kg	1	☼	8082A	Total/NA
Barium	0.58	J	1.0	0.10	mg/L	1		6010C	TCLP
Cadmium	0.044		0.0020	0.00050	mg/L	1		6010C	TCLP
Lead	0.26		0.020	0.0030	mg/L	1		6010C	TCLP

### Client Sample ID: LFS-40

### Lab Sample ID: 480-87871-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	0.28		0.23	0.046	mg/Kg	1	☼	8082A	Total/NA
PCB-1254	0.53		0.23	0.11	mg/Kg	1	☼	8082A	Total/NA
PCB-1260	0.30		0.23	0.11	mg/Kg	1	☼	8082A	Total/NA
Arsenic	0.0058	J	0.015	0.0056	mg/L	1		6010C	TCLP
Barium	0.54	J	1.0	0.10	mg/L	1		6010C	TCLP
Cadmium	0.014		0.0020	0.00050	mg/L	1		6010C	TCLP
Chromium	0.029		0.020	0.010	mg/L	1		6010C	TCLP
Lead	0.27		0.020	0.0030	mg/L	1		6010C	TCLP

### Client Sample ID: LFS-41

### Lab Sample ID: 480-87871-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	14		12	2.4	mg/Kg	50	☼	8082A	Total/NA
Barium	1.4		1.0	0.10	mg/L	1		6010C	TCLP
Cadmium	0.047		0.0020	0.00050	mg/L	1		6010C	TCLP
Lead	115		0.10	0.015	mg/L	5		6010C	TCLP

### Client Sample ID: LFS-42

### Lab Sample ID: 480-87871-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	43		2.7	0.53	mg/Kg	10	☼	8082A	Total/NA
Barium	1.5		1.0	0.10	mg/L	1		6010C	TCLP
Cadmium	0.038		0.0020	0.00050	mg/L	1		6010C	TCLP
Lead	2.1		0.020	0.0030	mg/L	1		6010C	TCLP

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87871-1

**Client Sample ID: LFS-34**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87871-1**

**Matrix: Solid**

**Percent Solids: 94.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.22	0.043	mg/Kg	✱	09/25/15 08:41	09/25/15 20:29	1
PCB-1221	ND		0.22	0.043	mg/Kg	✱	09/25/15 08:41	09/25/15 20:29	1
PCB-1232	ND		0.22	0.043	mg/Kg	✱	09/25/15 08:41	09/25/15 20:29	1
PCB-1242	ND		0.22	0.043	mg/Kg	✱	09/25/15 08:41	09/25/15 20:29	1
<b>PCB-1248</b>	<b>0.18</b>	<b>J</b>	0.22	0.043	mg/Kg	✱	09/25/15 08:41	09/25/15 20:29	1
<b>PCB-1254</b>	<b>0.29</b>		0.22	0.10	mg/Kg	✱	09/25/15 08:41	09/25/15 20:29	1
<b>PCB-1260</b>	<b>0.13</b>	<b>J</b>	0.22	0.10	mg/Kg	✱	09/25/15 08:41	09/25/15 20:29	1
PCB-1262	ND		0.22	0.10	mg/Kg	✱	09/25/15 08:41	09/25/15 20:29	1
PCB-1268	ND		0.22	0.10	mg/Kg	✱	09/25/15 08:41	09/25/15 20:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	96		60 - 154	09/25/15 08:41	09/25/15 20:29	1
DCB Decachlorobiphenyl	100		65 - 174	09/25/15 08:41	09/25/15 20:29	1

## Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L	-	09/29/15 11:15	09/30/15 00:57	1
<b>Barium</b>	<b>0.72</b>	<b>J</b>	1.0	0.10	mg/L	-	09/29/15 11:15	09/30/15 00:57	1
<b>Cadmium</b>	<b>0.015</b>		0.0020	0.00050	mg/L	-	09/29/15 11:15	09/30/15 00:57	1
Chromium	ND		0.020	0.010	mg/L	-	09/29/15 11:15	09/30/15 00:57	1
<b>Lead</b>	<b>0.11</b>		0.020	0.0030	mg/L	-	09/29/15 11:15	09/30/15 00:57	1
Selenium	ND		0.025	0.0087	mg/L	-	09/29/15 11:15	09/30/15 00:57	1
Silver	ND		0.0060	0.0017	mg/L	-	09/29/15 11:15	09/30/15 00:57	1

## Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L	-	09/29/15 11:45	09/29/15 15:01	1

**Client Sample ID: LFS-35**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87871-2**

**Matrix: Solid**

**Percent Solids: 95.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.42	0.082	mg/Kg	✱	09/25/15 08:41	09/25/15 20:45	2
PCB-1221	ND		0.42	0.082	mg/Kg	✱	09/25/15 08:41	09/25/15 20:45	2
PCB-1232	ND		0.42	0.082	mg/Kg	✱	09/25/15 08:41	09/25/15 20:45	2
PCB-1242	ND		0.42	0.082	mg/Kg	✱	09/25/15 08:41	09/25/15 20:45	2
PCB-1248	ND		0.42	0.082	mg/Kg	✱	09/25/15 08:41	09/25/15 20:45	2
<b>PCB-1254</b>	<b>1.1</b>		0.42	0.20	mg/Kg	✱	09/25/15 08:41	09/25/15 20:45	2
<b>PCB-1260</b>	<b>0.40</b>	<b>J</b>	0.42	0.20	mg/Kg	✱	09/25/15 08:41	09/25/15 20:45	2
PCB-1262	ND		0.42	0.20	mg/Kg	✱	09/25/15 08:41	09/25/15 20:45	2
PCB-1268	ND		0.42	0.20	mg/Kg	✱	09/25/15 08:41	09/25/15 20:45	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	85		60 - 154	09/25/15 08:41	09/25/15 20:45	2
DCB Decachlorobiphenyl	97		65 - 174	09/25/15 08:41	09/25/15 20:45	2

## Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L	-	09/29/15 11:15	09/30/15 01:14	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87871-1

**Client Sample ID: LFS-35**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87871-2**

**Matrix: Solid**

**Percent Solids: 95.4**

## Method: 6010C - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.46	J	1.0	0.10	mg/L	—	09/29/15 11:15	09/30/15 01:14	1
Cadmium	0.0081		0.0020	0.00050	mg/L	—	09/29/15 11:15	09/30/15 01:14	1
Chromium	ND		0.020	0.010	mg/L	—	09/29/15 11:15	09/30/15 01:14	1
Lead	0.045		0.020	0.0030	mg/L	—	09/29/15 11:15	09/30/15 01:14	1
Selenium	ND		0.025	0.0087	mg/L	—	09/29/15 11:15	09/30/15 01:14	1
Silver	ND		0.0060	0.0017	mg/L	—	09/29/15 11:15	09/30/15 01:14	1

## Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L	—	09/29/15 11:45	09/29/15 15:08	1

**Client Sample ID: LFS-36**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87871-3**

**Matrix: Solid**

**Percent Solids: 92.0**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		2.3	0.45	mg/Kg	✱	09/25/15 08:41	09/25/15 21:01	10
PCB-1221	ND		2.3	0.45	mg/Kg	✱	09/25/15 08:41	09/25/15 21:01	10
PCB-1232	ND		2.3	0.45	mg/Kg	✱	09/25/15 08:41	09/25/15 21:01	10
PCB-1242	ND		2.3	0.45	mg/Kg	✱	09/25/15 08:41	09/25/15 21:01	10
PCB-1248	ND		2.3	0.45	mg/Kg	✱	09/25/15 08:41	09/25/15 21:01	10
PCB-1254	ND		2.3	1.1	mg/Kg	✱	09/25/15 08:41	09/25/15 21:01	10
PCB-1260	5.5		2.3	1.1	mg/Kg	✱	09/25/15 08:41	09/25/15 21:01	10
PCB-1262	ND		2.3	1.1	mg/Kg	✱	09/25/15 08:41	09/25/15 21:01	10
PCB-1268	ND		2.3	1.1	mg/Kg	✱	09/25/15 08:41	09/25/15 21:01	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	100		60 - 154	09/25/15 08:41	09/25/15 21:01	10
DCB Decachlorobiphenyl	110		65 - 174	09/25/15 08:41	09/25/15 21:01	10

## Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L	—	09/29/15 11:15	09/30/15 01:17	1
Barium	0.80	J	1.0	0.10	mg/L	—	09/29/15 11:15	09/30/15 01:17	1
Cadmium	0.042		0.0020	0.00050	mg/L	—	09/29/15 11:15	09/30/15 01:17	1
Chromium	0.011	J	0.020	0.010	mg/L	—	09/29/15 11:15	09/30/15 01:17	1
Lead	0.11		0.020	0.0030	mg/L	—	09/29/15 11:15	09/30/15 01:17	1
Selenium	ND		0.025	0.0087	mg/L	—	09/29/15 11:15	09/30/15 01:17	1
Silver	ND		0.0060	0.0017	mg/L	—	09/29/15 11:15	09/30/15 01:17	1

## Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L	—	09/29/15 11:45	09/29/15 15:10	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87871-1

**Client Sample ID: LFS-37**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87871-4**

**Matrix: Solid**

**Percent Solids: 95.9**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.23	0.045	mg/Kg	☼	09/25/15 08:41	09/25/15 21:16	1
PCB-1221	ND		0.23	0.045	mg/Kg	☼	09/25/15 08:41	09/25/15 21:16	1
PCB-1232	ND		0.23	0.045	mg/Kg	☼	09/25/15 08:41	09/25/15 21:16	1
PCB-1242	ND		0.23	0.045	mg/Kg	☼	09/25/15 08:41	09/25/15 21:16	1
PCB-1248	1.1		0.23	0.045	mg/Kg	☼	09/25/15 08:41	09/25/15 21:16	1
PCB-1254	1.2		0.23	0.11	mg/Kg	☼	09/25/15 08:41	09/25/15 21:16	1
PCB-1260	0.57		0.23	0.11	mg/Kg	☼	09/25/15 08:41	09/25/15 21:16	1
PCB-1262	ND		0.23	0.11	mg/Kg	☼	09/25/15 08:41	09/25/15 21:16	1
PCB-1268	ND		0.23	0.11	mg/Kg	☼	09/25/15 08:41	09/25/15 21:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	86		60 - 154	09/25/15 08:41	09/25/15 21:16	1
DCB Decachlorobiphenyl	91		65 - 174	09/25/15 08:41	09/25/15 21:16	1

## Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		09/29/15 11:05	09/30/15 11:42	1
Barium	0.83	J	1.0	0.10	mg/L		09/29/15 11:05	09/30/15 11:42	1
Cadmium	0.075		0.0020	0.00050	mg/L		09/29/15 11:05	09/30/15 11:42	1
Chromium	ND		0.020	0.010	mg/L		09/29/15 11:05	09/30/15 11:42	1
Lead	0.48		0.020	0.0030	mg/L		09/29/15 11:05	09/30/15 11:42	1
Selenium	ND		0.050	0.017	mg/L		09/29/15 11:05	09/30/15 17:36	2
Silver	ND		0.0060	0.0017	mg/L		09/29/15 11:05	09/30/15 11:42	1

## Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		09/29/15 11:45	09/29/15 16:01	1

**Client Sample ID: LFS-38**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87871-5**

**Matrix: Solid**

**Percent Solids: 96.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.24	0.046	mg/Kg	☼	09/25/15 08:41	09/25/15 21:32	1
PCB-1221	ND		0.24	0.046	mg/Kg	☼	09/25/15 08:41	09/25/15 21:32	1
PCB-1232	ND		0.24	0.046	mg/Kg	☼	09/25/15 08:41	09/25/15 21:32	1
PCB-1242	ND		0.24	0.046	mg/Kg	☼	09/25/15 08:41	09/25/15 21:32	1
PCB-1248	0.81		0.24	0.046	mg/Kg	☼	09/25/15 08:41	09/25/15 21:32	1
PCB-1254	ND		0.24	0.11	mg/Kg	☼	09/25/15 08:41	09/25/15 21:32	1
PCB-1260	1.6		0.24	0.11	mg/Kg	☼	09/25/15 08:41	09/25/15 21:32	1
PCB-1262	ND		0.24	0.11	mg/Kg	☼	09/25/15 08:41	09/25/15 21:32	1
PCB-1268	ND		0.24	0.11	mg/Kg	☼	09/25/15 08:41	09/25/15 21:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	76		60 - 154	09/25/15 08:41	09/25/15 21:32	1
DCB Decachlorobiphenyl	84		65 - 174	09/25/15 08:41	09/25/15 21:32	1

## Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		09/29/15 11:15	09/30/15 01:30	1

TestAmerica Buffalo



# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87871-1

**Client Sample ID: LFS-38**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87871-5**

**Matrix: Solid**

**Percent Solids: 96.2**

## Method: 6010C - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.68	J	1.0	0.10	mg/L	—	09/29/15 11:15	09/30/15 01:30	1
Cadmium	0.067		0.0020	0.00050	mg/L	—	09/29/15 11:15	09/30/15 01:30	1
Chromium	0.014	J	0.020	0.010	mg/L	—	09/29/15 11:15	09/30/15 01:30	1
Lead	0.40		0.020	0.0030	mg/L	—	09/29/15 11:15	09/30/15 01:30	1
Selenium	ND		0.025	0.0087	mg/L	—	09/29/15 11:15	09/30/15 12:32	1
Silver	ND		0.0060	0.0017	mg/L	—	09/29/15 11:15	09/30/15 01:30	1

## Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L	—	09/29/15 11:45	09/29/15 15:11	1

**Client Sample ID: LFS-39**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87871-6**

**Matrix: Solid**

**Percent Solids: 95.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.22	0.043	mg/Kg	✱	09/25/15 08:41	09/25/15 21:48	1
PCB-1221	ND		0.22	0.043	mg/Kg	✱	09/25/15 08:41	09/25/15 21:48	1
PCB-1232	ND		0.22	0.043	mg/Kg	✱	09/25/15 08:41	09/25/15 21:48	1
PCB-1242	ND		0.22	0.043	mg/Kg	✱	09/25/15 08:41	09/25/15 21:48	1
PCB-1248	0.48		0.22	0.043	mg/Kg	✱	09/25/15 08:41	09/25/15 21:48	1
PCB-1254	1.1		0.22	0.10	mg/Kg	✱	09/25/15 08:41	09/25/15 21:48	1
PCB-1260	0.76		0.22	0.10	mg/Kg	✱	09/25/15 08:41	09/25/15 21:48	1
PCB-1262	ND		0.22	0.10	mg/Kg	✱	09/25/15 08:41	09/25/15 21:48	1
PCB-1268	ND		0.22	0.10	mg/Kg	✱	09/25/15 08:41	09/25/15 21:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	87		60 - 154	09/25/15 08:41	09/25/15 21:48	1
DCB Decachlorobiphenyl	103		65 - 174	09/25/15 08:41	09/25/15 21:48	1

## Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L	—	09/29/15 11:15	09/30/15 01:34	1
Barium	0.58	J	1.0	0.10	mg/L	—	09/29/15 11:15	09/30/15 01:34	1
Cadmium	0.044		0.0020	0.00050	mg/L	—	09/29/15 11:15	09/30/15 01:34	1
Chromium	ND		0.020	0.010	mg/L	—	09/29/15 11:15	09/30/15 01:34	1
Lead	0.26		0.020	0.0030	mg/L	—	09/29/15 11:15	09/30/15 01:34	1
Selenium	ND		0.025	0.0087	mg/L	—	09/29/15 11:15	09/30/15 12:35	1
Silver	ND		0.0060	0.0017	mg/L	—	09/29/15 11:15	09/30/15 01:34	1

## Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L	—	09/29/15 11:45	09/29/15 15:16	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87871-1

**Client Sample ID: LFS-40**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87871-7**

**Matrix: Solid**

**Percent Solids: 94.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.23	0.046	mg/Kg	☼	09/25/15 08:41	09/25/15 22:36	1
PCB-1221	ND		0.23	0.046	mg/Kg	☼	09/25/15 08:41	09/25/15 22:36	1
PCB-1232	ND		0.23	0.046	mg/Kg	☼	09/25/15 08:41	09/25/15 22:36	1
PCB-1242	ND		0.23	0.046	mg/Kg	☼	09/25/15 08:41	09/25/15 22:36	1
PCB-1248	0.28		0.23	0.046	mg/Kg	☼	09/25/15 08:41	09/25/15 22:36	1
PCB-1254	0.53		0.23	0.11	mg/Kg	☼	09/25/15 08:41	09/25/15 22:36	1
PCB-1260	0.30		0.23	0.11	mg/Kg	☼	09/25/15 08:41	09/25/15 22:36	1
PCB-1262	ND		0.23	0.11	mg/Kg	☼	09/25/15 08:41	09/25/15 22:36	1
PCB-1268	ND		0.23	0.11	mg/Kg	☼	09/25/15 08:41	09/25/15 22:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	99		60 - 154				09/25/15 08:41	09/25/15 22:36	1
DCB Decachlorobiphenyl	104		65 - 174				09/25/15 08:41	09/25/15 22:36	1

## Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0058	J	0.015	0.0056	mg/L		09/29/15 11:15	09/30/15 01:37	1
Barium	0.54	J	1.0	0.10	mg/L		09/29/15 11:15	09/30/15 01:37	1
Cadmium	0.014		0.0020	0.00050	mg/L		09/29/15 11:15	09/30/15 01:37	1
Chromium	0.029		0.020	0.010	mg/L		09/29/15 11:15	09/30/15 01:37	1
Lead	0.27		0.020	0.0030	mg/L		09/29/15 11:15	09/30/15 01:37	1
Selenium	ND		0.025	0.0087	mg/L		09/29/15 11:15	09/30/15 12:39	1
Silver	ND		0.0060	0.0017	mg/L		09/29/15 11:15	09/30/15 01:37	1

## Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		09/29/15 11:45	09/29/15 15:18	1

**Client Sample ID: LFS-41**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87871-8**

**Matrix: Solid**

**Percent Solids: 89.6**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		12	2.4	mg/Kg	☼	09/25/15 08:41	09/25/15 22:52	50
PCB-1221	ND		12	2.4	mg/Kg	☼	09/25/15 08:41	09/25/15 22:52	50
PCB-1232	ND		12	2.4	mg/Kg	☼	09/25/15 08:41	09/25/15 22:52	50
PCB-1242	ND		12	2.4	mg/Kg	☼	09/25/15 08:41	09/25/15 22:52	50
PCB-1248	14		12	2.4	mg/Kg	☼	09/25/15 08:41	09/25/15 22:52	50
PCB-1254	ND		12	5.6	mg/Kg	☼	09/25/15 08:41	09/25/15 22:52	50
PCB-1260	ND		12	5.6	mg/Kg	☼	09/25/15 08:41	09/25/15 22:52	50
PCB-1262	ND		12	5.6	mg/Kg	☼	09/25/15 08:41	09/25/15 22:52	50
PCB-1268	ND		12	5.6	mg/Kg	☼	09/25/15 08:41	09/25/15 22:52	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	110		60 - 154				09/25/15 08:41	09/25/15 22:52	50
DCB Decachlorobiphenyl	124		65 - 174				09/25/15 08:41	09/25/15 22:52	50

## Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		09/29/15 11:15	09/30/15 01:41	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87871-1

**Client Sample ID: LFS-41**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87871-8**

**Matrix: Solid**

**Percent Solids: 89.6**

## Method: 6010C - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	1.4		1.0	0.10	mg/L		09/29/15 11:15	09/30/15 01:41	1
Cadmium	0.047		0.0020	0.00050	mg/L		09/29/15 11:15	09/30/15 01:41	1
Chromium	ND		0.020	0.010	mg/L		09/29/15 11:15	09/30/15 01:41	1
Lead	115		0.10	0.015	mg/L		09/29/15 11:15	09/30/15 15:56	5
Selenium	ND		0.025	0.0087	mg/L		09/29/15 11:15	09/30/15 12:52	1
Silver	ND		0.0060	0.0017	mg/L		09/29/15 11:15	09/30/15 01:41	1

## Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		09/29/15 11:45	09/29/15 15:20	1

**Client Sample ID: LFS-42**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87871-9**

**Matrix: Solid**

**Percent Solids: 81.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		2.7	0.53	mg/Kg	✱	09/25/15 08:41	09/25/15 23:08	10
PCB-1221	ND		2.7	0.53	mg/Kg	✱	09/25/15 08:41	09/25/15 23:08	10
PCB-1232	ND		2.7	0.53	mg/Kg	✱	09/25/15 08:41	09/25/15 23:08	10
PCB-1242	ND		2.7	0.53	mg/Kg	✱	09/25/15 08:41	09/25/15 23:08	10
PCB-1248	43		2.7	0.53	mg/Kg	✱	09/25/15 08:41	09/25/15 23:08	10
PCB-1254	ND		2.7	1.3	mg/Kg	✱	09/25/15 08:41	09/25/15 23:08	10
PCB-1260	ND		2.7	1.3	mg/Kg	✱	09/25/15 08:41	09/25/15 23:08	10
PCB-1262	ND		2.7	1.3	mg/Kg	✱	09/25/15 08:41	09/25/15 23:08	10
PCB-1268	ND		2.7	1.3	mg/Kg	✱	09/25/15 08:41	09/25/15 23:08	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	99		60 - 154	09/25/15 08:41	09/25/15 23:08	10
DCB Decachlorobiphenyl	114		65 - 174	09/25/15 08:41	09/25/15 23:08	10

## Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		09/29/15 11:15	09/30/15 01:44	1
Barium	1.5		1.0	0.10	mg/L		09/29/15 11:15	09/30/15 01:44	1
Cadmium	0.038		0.0020	0.00050	mg/L		09/29/15 11:15	09/30/15 01:44	1
Chromium	ND		0.020	0.010	mg/L		09/29/15 11:15	09/30/15 01:44	1
Lead	2.1		0.020	0.0030	mg/L		09/29/15 11:15	09/30/15 01:44	1
Selenium	ND		0.025	0.0087	mg/L		09/29/15 11:15	09/30/15 12:55	1
Silver	ND		0.0060	0.0017	mg/L		09/29/15 11:15	09/30/15 01:44	1

## Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		09/29/15 11:45	09/29/15 15:22	1

TestAmerica Buffalo

# Surrogate Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87871-1

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	TCX1 (60-154)	DCB1 (65-174)
480-87871-1	LFS-34	96	100
480-87871-2	LFS-35	85	97
480-87871-3	LFS-36	100	110
480-87871-4	LFS-37	86	91
480-87871-5	LFS-38	76	84
480-87871-6	LFS-39	87	103
480-87871-7	LFS-40	99	104
480-87871-8	LFS-41	110	124
480-87871-9	LFS-42	99	114
LCS 480-265490/2-A	Lab Control Sample	116	117
MB 480-265490/1-A	Method Blank	97	101

### Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87871-1

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

Lab Sample ID: MB 480-265490/1-A

Matrix: Solid

Analysis Batch: 265589

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 265490

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.20	0.038	mg/Kg		09/25/15 08:41	09/25/15 16:15	1
PCB-1221	ND		0.20	0.038	mg/Kg		09/25/15 08:41	09/25/15 16:15	1
PCB-1232	ND		0.20	0.038	mg/Kg		09/25/15 08:41	09/25/15 16:15	1
PCB-1242	ND		0.20	0.038	mg/Kg		09/25/15 08:41	09/25/15 16:15	1
PCB-1248	ND		0.20	0.038	mg/Kg		09/25/15 08:41	09/25/15 16:15	1
PCB-1254	ND		0.20	0.091	mg/Kg		09/25/15 08:41	09/25/15 16:15	1
PCB-1260	ND		0.20	0.091	mg/Kg		09/25/15 08:41	09/25/15 16:15	1
PCB-1262	ND		0.20	0.091	mg/Kg		09/25/15 08:41	09/25/15 16:15	1
PCB-1268	ND		0.20	0.091	mg/Kg		09/25/15 08:41	09/25/15 16:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	97		60 - 154	09/25/15 08:41	09/25/15 16:15	1
DCB Decachlorobiphenyl	101		65 - 174	09/25/15 08:41	09/25/15 16:15	1

Lab Sample ID: LCS 480-265490/2-A

Matrix: Solid

Analysis Batch: 265589

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 265490

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
PCB-1016	1.94	2.42		mg/Kg		125	51 - 185
PCB-1260	1.94	2.47		mg/Kg		127	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	116		60 - 154
DCB Decachlorobiphenyl	117		65 - 174

## Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-266012/2-A

Matrix: Solid

Analysis Batch: 266142

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 266012

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		09/29/15 11:15	09/30/15 00:51	1
Barium	ND		1.0	0.10	mg/L		09/29/15 11:15	09/30/15 00:51	1
Cadmium	ND		0.0020	0.00050	mg/L		09/29/15 11:15	09/30/15 00:51	1
Chromium	ND		0.020	0.010	mg/L		09/29/15 11:15	09/30/15 00:51	1
Lead	ND		0.020	0.0030	mg/L		09/29/15 11:15	09/30/15 00:51	1
Selenium	ND		0.025	0.0087	mg/L		09/29/15 11:15	09/30/15 00:51	1
Silver	ND		0.0060	0.0017	mg/L		09/29/15 11:15	09/30/15 00:51	1

Lab Sample ID: LCS 480-266012/3-A

Matrix: Solid

Analysis Batch: 266142

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 266012

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Arsenic	1.00	1.00		mg/L		100	80 - 120

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87871-1

## Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 480-266012/3-A  
Matrix: Solid  
Analysis Batch: 266142

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 266012

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	1.00	0.926	J	mg/L		93	80 - 120
Cadmium	1.00	0.974		mg/L		97	80 - 120
Chromium	1.00	0.938		mg/L		94	80 - 120
Lead	1.00	0.943		mg/L		94	80 - 120
Selenium	1.00	1.02		mg/L		102	80 - 120
Silver	1.00	0.989		mg/L		99	80 - 120

Lab Sample ID: MB 480-266014/2-A  
Matrix: Solid  
Analysis Batch: 266264

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 266014

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		09/29/15 11:05	09/30/15 11:36	1
Barium	ND		1.0	0.10	mg/L		09/29/15 11:05	09/30/15 11:36	1
Cadmium	ND		0.0020	0.00050	mg/L		09/29/15 11:05	09/30/15 11:36	1
Chromium	ND		0.020	0.010	mg/L		09/29/15 11:05	09/30/15 11:36	1
Lead	ND		0.020	0.0030	mg/L		09/29/15 11:05	09/30/15 11:36	1
Selenium	ND		0.025	0.0087	mg/L		09/29/15 11:05	09/30/15 11:36	1
Silver	ND		0.0060	0.0017	mg/L		09/29/15 11:05	09/30/15 11:36	1

Lab Sample ID: LCS 480-266014/3-A  
Matrix: Solid  
Analysis Batch: 266264

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 266014

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	0.995		mg/L		100	80 - 120
Barium	1.00	0.986	J	mg/L		99	80 - 120
Cadmium	1.00	0.977		mg/L		98	80 - 120
Chromium	1.00	1.01		mg/L		101	80 - 120
Lead	1.00	0.930		mg/L		93	80 - 120
Selenium	1.00	1.00		mg/L		100	80 - 120
Silver	1.00	0.976		mg/L		98	80 - 120

Lab Sample ID: LB 480-265759/1-B  
Matrix: Solid  
Analysis Batch: 266142

Client Sample ID: Method Blank  
Prep Type: TCLP  
Prep Batch: 266012

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		09/29/15 11:15	09/30/15 00:37	1
Barium	ND		1.0	0.10	mg/L		09/29/15 11:15	09/30/15 00:37	1
Cadmium	ND		0.0020	0.00050	mg/L		09/29/15 11:15	09/30/15 00:37	1
Chromium	ND		0.020	0.010	mg/L		09/29/15 11:15	09/30/15 00:37	1
Lead	ND		0.020	0.0030	mg/L		09/29/15 11:15	09/30/15 00:37	1
Selenium	ND		0.025	0.0087	mg/L		09/29/15 11:15	09/30/15 00:37	1
Silver	ND		0.0060	0.0017	mg/L		09/29/15 11:15	09/30/15 00:37	1

TestAmerica Buffalo



# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87871-1

## Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-87871-1 MS

Matrix: Solid

Analysis Batch: 266142

Client Sample ID: LFS-34

Prep Type: TCLP

Prep Batch: 266012

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	ND		1.00	0.992		mg/L		99	75 - 125
Barium	0.72	J	1.00	1.59		mg/L		87	75 - 125
Cadmium	0.015		1.00	0.985		mg/L		97	75 - 125
Chromium	ND		1.00	0.938		mg/L		94	75 - 125
Lead	0.11		1.00	1.06		mg/L		95	75 - 125
Selenium	ND		1.00	0.989		mg/L		99	75 - 125
Silver	ND		1.00	0.966		mg/L		97	75 - 125

Lab Sample ID: 480-87871-1 MSD

Matrix: Solid

Analysis Batch: 266142

Client Sample ID: LFS-34

Prep Type: TCLP

Prep Batch: 266012

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	ND		1.00	0.986		mg/L		99	75 - 125	1	20
Barium	0.72	J	1.00	1.58		mg/L		86	75 - 125	1	20
Cadmium	0.015		1.00	0.972		mg/L		96	75 - 125	1	20
Chromium	ND		1.00	0.923		mg/L		92	75 - 125	2	20
Lead	0.11		1.00	1.05		mg/L		93	75 - 125	2	20
Selenium	ND		1.00	0.990		mg/L		99	75 - 125	0	20
Silver	ND		1.00	0.947		mg/L		95	75 - 125	2	20

Lab Sample ID: LB2 480-265843/1-B

Matrix: Solid

Analysis Batch: 266264

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 266014

Analyte	LB2 Result	LB2 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		09/29/15 11:05	09/30/15 11:33	1
Barium	ND		1.0	0.10	mg/L		09/29/15 11:05	09/30/15 11:33	1
Cadmium	ND		0.0020	0.00050	mg/L		09/29/15 11:05	09/30/15 11:33	1
Chromium	ND		0.020	0.010	mg/L		09/29/15 11:05	09/30/15 11:33	1
Lead	ND		0.020	0.0030	mg/L		09/29/15 11:05	09/30/15 11:33	1
Selenium	ND		0.025	0.0087	mg/L		09/29/15 11:05	09/30/15 11:33	1
Silver	ND		0.0060	0.0017	mg/L		09/29/15 11:05	09/30/15 11:33	1

Lab Sample ID: 480-87871-4 MS

Matrix: Solid

Analysis Batch: 266264

Client Sample ID: LFS-37

Prep Type: TCLP

Prep Batch: 266014

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	ND		1.00	1.11		mg/L		111	75 - 125
Barium	0.83	J	1.00	1.83		mg/L		99	75 - 125
Cadmium	0.075		1.00	1.14		mg/L		107	75 - 125
Chromium	ND		1.00	0.978		mg/L		98	75 - 125
Lead	0.48		1.00	1.46		mg/L		98	75 - 125
Silver	ND		1.00	1.07		mg/L		107	75 - 125

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87871-1

## Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-87871-4 MS

Matrix: Solid

Analysis Batch: 266389

Client Sample ID: LFS-37

Prep Type: TCLP

Prep Batch: 266014

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Selenium	ND		1.00	1.06		mg/L		106	75 - 125

Lab Sample ID: 480-87871-4 MSD

Matrix: Solid

Analysis Batch: 266264

Client Sample ID: LFS-37

Prep Type: TCLP

Prep Batch: 266014

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	ND		1.00	1.07		mg/L		107	75 - 125	3	20
Barium	0.83	J	1.00	1.76		mg/L		92	75 - 125	4	20
Cadmium	0.075		1.00	1.10		mg/L		103	75 - 125	3	20
Chromium	ND		1.00	0.942		mg/L		94	75 - 125	4	20
Lead	0.48		1.00	1.40		mg/L		93	75 - 125	4	20
Silver	ND		1.00	1.02		mg/L		102	75 - 125	5	20

Lab Sample ID: 480-87871-4 MSD

Matrix: Solid

Analysis Batch: 266389

Client Sample ID: LFS-37

Prep Type: TCLP

Prep Batch: 266014

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Selenium	ND		1.00	1.01		mg/L		101	75 - 125	4	20

## Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-266021/2-A

Matrix: Solid

Analysis Batch: 266133

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 266021

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		09/29/15 11:45	09/29/15 14:58	1

Lab Sample ID: LCS 480-266021/3-A

Matrix: Solid

Analysis Batch: 266133

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 266021

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00668	0.00642		mg/L		96	80 - 120

Lab Sample ID: MB 480-266023/2-A

Matrix: Solid

Analysis Batch: 266133

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 266023

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		09/29/15 11:45	09/29/15 15:58	1

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-87871-1

## Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 480-266023/3-A  
Matrix: Solid  
Analysis Batch: 266133

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 266023

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00668	0.00633		mg/L		95	80 - 120

Lab Sample ID: LB 480-265759/1-C  
Matrix: Solid  
Analysis Batch: 266133

Client Sample ID: Method Blank  
Prep Type: TCLP  
Prep Batch: 266021

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		09/29/15 11:45	09/29/15 14:56	1

Lab Sample ID: 480-87871-1 MS  
Matrix: Solid  
Analysis Batch: 266133

Client Sample ID: LFS-34  
Prep Type: TCLP  
Prep Batch: 266021

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.00668	0.00610		mg/L		91	80 - 120

Lab Sample ID: 480-87871-1 MSD  
Matrix: Solid  
Analysis Batch: 266133

Client Sample ID: LFS-34  
Prep Type: TCLP  
Prep Batch: 266021

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.00668	0.00602		mg/L		90	80 - 120	1	20

Lab Sample ID: LB2 480-265843/1-C  
Matrix: Solid  
Analysis Batch: 266133

Client Sample ID: Method Blank  
Prep Type: TCLP  
Prep Batch: 266023

Analyte	LB2 Result	LB2 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		09/29/15 11:45	09/29/15 15:53	1

Lab Sample ID: 480-87871-4 MS  
Matrix: Solid  
Analysis Batch: 266133

Client Sample ID: LFS-37  
Prep Type: TCLP  
Prep Batch: 266023

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.00668	0.00618		mg/L		93	80 - 120

Lab Sample ID: 480-87871-4 MSD  
Matrix: Solid  
Analysis Batch: 266133

Client Sample ID: LFS-37  
Prep Type: TCLP  
Prep Batch: 266023

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.00668	0.00610		mg/L		91	80 - 120	1	20

TestAmerica Buffalo

# QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87871-1

## GC Semi VOA

### Prep Batch: 265490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87871-1	LFS-34	Total/NA	Solid	3550C	
480-87871-2	LFS-35	Total/NA	Solid	3550C	
480-87871-3	LFS-36	Total/NA	Solid	3550C	
480-87871-4	LFS-37	Total/NA	Solid	3550C	
480-87871-5	LFS-38	Total/NA	Solid	3550C	
480-87871-6	LFS-39	Total/NA	Solid	3550C	
480-87871-7	LFS-40	Total/NA	Solid	3550C	
480-87871-8	LFS-41	Total/NA	Solid	3550C	
480-87871-9	LFS-42	Total/NA	Solid	3550C	
LCS 480-265490/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 480-265490/1-A	Method Blank	Total/NA	Solid	3550C	

### Analysis Batch: 265589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87871-1	LFS-34	Total/NA	Solid	8082A	265490
480-87871-2	LFS-35	Total/NA	Solid	8082A	265490
480-87871-3	LFS-36	Total/NA	Solid	8082A	265490
480-87871-4	LFS-37	Total/NA	Solid	8082A	265490
480-87871-5	LFS-38	Total/NA	Solid	8082A	265490
480-87871-6	LFS-39	Total/NA	Solid	8082A	265490
480-87871-7	LFS-40	Total/NA	Solid	8082A	265490
480-87871-8	LFS-41	Total/NA	Solid	8082A	265490
480-87871-9	LFS-42	Total/NA	Solid	8082A	265490
LCS 480-265490/2-A	Lab Control Sample	Total/NA	Solid	8082A	265490
MB 480-265490/1-A	Method Blank	Total/NA	Solid	8082A	265490

## Metals

### Leach Batch: 265759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87871-1	LFS-34	TCLP	Solid	1311	
480-87871-1 MS	LFS-34	TCLP	Solid	1311	
480-87871-1 MSD	LFS-34	TCLP	Solid	1311	
480-87871-2	LFS-35	TCLP	Solid	1311	
480-87871-3	LFS-36	TCLP	Solid	1311	
480-87871-5	LFS-38	TCLP	Solid	1311	
480-87871-6	LFS-39	TCLP	Solid	1311	
480-87871-7	LFS-40	TCLP	Solid	1311	
480-87871-8	LFS-41	TCLP	Solid	1311	
480-87871-9	LFS-42	TCLP	Solid	1311	
LB 480-265759/1-B	Method Blank	TCLP	Solid	1311	
LB 480-265759/1-C	Method Blank	TCLP	Solid	1311	

### Leach Batch: 265843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87871-4	LFS-37	TCLP	Solid	1311	
480-87871-4 MS	LFS-37	TCLP	Solid	1311	
480-87871-4 MSD	LFS-37	TCLP	Solid	1311	
LB2 480-265843/1-B	Method Blank	TCLP	Solid	1311	
LB2 480-265843/1-C	Method Blank	TCLP	Solid	1311	

TestAmerica Buffalo

# QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87871-1

## Metals (Continued)

### Prep Batch: 266012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87871-1	LFS-34	TCLP	Solid	3010A	265759
480-87871-1 MS	LFS-34	TCLP	Solid	3010A	265759
480-87871-1 MSD	LFS-34	TCLP	Solid	3010A	265759
480-87871-2	LFS-35	TCLP	Solid	3010A	265759
480-87871-3	LFS-36	TCLP	Solid	3010A	265759
480-87871-5	LFS-38	TCLP	Solid	3010A	265759
480-87871-6	LFS-39	TCLP	Solid	3010A	265759
480-87871-7	LFS-40	TCLP	Solid	3010A	265759
480-87871-8	LFS-41	TCLP	Solid	3010A	265759
480-87871-9	LFS-42	TCLP	Solid	3010A	265759
LB 480-265759/1-B	Method Blank	TCLP	Solid	3010A	265759
LCS 480-266012/3-A	Lab Control Sample	Total/NA	Solid	3010A	
MB 480-266012/2-A	Method Blank	Total/NA	Solid	3010A	

### Prep Batch: 266014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87871-4	LFS-37	TCLP	Solid	3010A	265843
480-87871-4 MS	LFS-37	TCLP	Solid	3010A	265843
480-87871-4 MSD	LFS-37	TCLP	Solid	3010A	265843
LB2 480-265843/1-B	Method Blank	TCLP	Solid	3010A	265843
LCS 480-266014/3-A	Lab Control Sample	Total/NA	Solid	3010A	
MB 480-266014/2-A	Method Blank	Total/NA	Solid	3010A	

### Prep Batch: 266021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87871-1	LFS-34	TCLP	Solid	7470A	265759
480-87871-1 MS	LFS-34	TCLP	Solid	7470A	265759
480-87871-1 MSD	LFS-34	TCLP	Solid	7470A	265759
480-87871-2	LFS-35	TCLP	Solid	7470A	265759
480-87871-3	LFS-36	TCLP	Solid	7470A	265759
480-87871-5	LFS-38	TCLP	Solid	7470A	265759
480-87871-6	LFS-39	TCLP	Solid	7470A	265759
480-87871-7	LFS-40	TCLP	Solid	7470A	265759
480-87871-8	LFS-41	TCLP	Solid	7470A	265759
480-87871-9	LFS-42	TCLP	Solid	7470A	265759
LB 480-265759/1-C	Method Blank	TCLP	Solid	7470A	265759
LCS 480-266021/3-A	Lab Control Sample	Total/NA	Solid	7470A	
MB 480-266021/2-A	Method Blank	Total/NA	Solid	7470A	

### Prep Batch: 266023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87871-4	LFS-37	TCLP	Solid	7470A	265843
480-87871-4 MS	LFS-37	TCLP	Solid	7470A	265843
480-87871-4 MSD	LFS-37	TCLP	Solid	7470A	265843
LB2 480-265843/1-C	Method Blank	TCLP	Solid	7470A	265843
LCS 480-266023/3-A	Lab Control Sample	Total/NA	Solid	7470A	
MB 480-266023/2-A	Method Blank	Total/NA	Solid	7470A	

### Analysis Batch: 266133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87871-1	LFS-34	TCLP	Solid	7470A	266021

TestAmerica Buffalo

# QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87871-1

## Metals (Continued)

### Analysis Batch: 266133 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87871-1 MS	LFS-34	TCLP	Solid	7470A	266021
480-87871-1 MSD	LFS-34	TCLP	Solid	7470A	266021
480-87871-2	LFS-35	TCLP	Solid	7470A	266021
480-87871-3	LFS-36	TCLP	Solid	7470A	266021
480-87871-4	LFS-37	TCLP	Solid	7470A	266023
480-87871-4 MS	LFS-37	TCLP	Solid	7470A	266023
480-87871-4 MSD	LFS-37	TCLP	Solid	7470A	266023
480-87871-5	LFS-38	TCLP	Solid	7470A	266021
480-87871-6	LFS-39	TCLP	Solid	7470A	266021
480-87871-7	LFS-40	TCLP	Solid	7470A	266021
480-87871-8	LFS-41	TCLP	Solid	7470A	266021
480-87871-9	LFS-42	TCLP	Solid	7470A	266021
LB 480-265759/1-C	Method Blank	TCLP	Solid	7470A	266021
LB2 480-265843/1-C	Method Blank	TCLP	Solid	7470A	266023
LCS 480-266021/3-A	Lab Control Sample	Total/NA	Solid	7470A	266021
LCS 480-266023/3-A	Lab Control Sample	Total/NA	Solid	7470A	266023
MB 480-266021/2-A	Method Blank	Total/NA	Solid	7470A	266021
MB 480-266023/2-A	Method Blank	Total/NA	Solid	7470A	266023

### Analysis Batch: 266142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87871-1	LFS-34	TCLP	Solid	6010C	266012
480-87871-1 MS	LFS-34	TCLP	Solid	6010C	266012
480-87871-1 MSD	LFS-34	TCLP	Solid	6010C	266012
480-87871-2	LFS-35	TCLP	Solid	6010C	266012
480-87871-3	LFS-36	TCLP	Solid	6010C	266012
480-87871-5	LFS-38	TCLP	Solid	6010C	266012
480-87871-6	LFS-39	TCLP	Solid	6010C	266012
480-87871-7	LFS-40	TCLP	Solid	6010C	266012
480-87871-8	LFS-41	TCLP	Solid	6010C	266012
480-87871-9	LFS-42	TCLP	Solid	6010C	266012
LB 480-265759/1-B	Method Blank	TCLP	Solid	6010C	266012
LCS 480-266012/3-A	Lab Control Sample	Total/NA	Solid	6010C	266012
MB 480-266012/2-A	Method Blank	Total/NA	Solid	6010C	266012

### Analysis Batch: 266264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87871-4	LFS-37	TCLP	Solid	6010C	266014
480-87871-4 MS	LFS-37	TCLP	Solid	6010C	266014
480-87871-4 MSD	LFS-37	TCLP	Solid	6010C	266014
LB2 480-265843/1-B	Method Blank	TCLP	Solid	6010C	266014
LCS 480-266014/3-A	Lab Control Sample	Total/NA	Solid	6010C	266014
MB 480-266014/2-A	Method Blank	Total/NA	Solid	6010C	266014

### Analysis Batch: 266277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87871-5	LFS-38	TCLP	Solid	6010C	266012
480-87871-6	LFS-39	TCLP	Solid	6010C	266012
480-87871-7	LFS-40	TCLP	Solid	6010C	266012
480-87871-8	LFS-41	TCLP	Solid	6010C	266012
480-87871-9	LFS-42	TCLP	Solid	6010C	266012

TestAmerica Buffalo



## QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-87871-1

### Metals (Continued)

#### Analysis Batch: 266380

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87871-8	LFS-41	TCLP	Solid	6010C	266012

#### Analysis Batch: 266389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87871-4	LFS-37	TCLP	Solid	6010C	266014
480-87871-4 MS	LFS-37	TCLP	Solid	6010C	266014
480-87871-4 MSD	LFS-37	TCLP	Solid	6010C	266014

### General Chemistry

#### Analysis Batch: 265421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87871-1	LFS-34	Total/NA	Solid	Moisture	
480-87871-2	LFS-35	Total/NA	Solid	Moisture	
480-87871-3	LFS-36	Total/NA	Solid	Moisture	
480-87871-4	LFS-37	Total/NA	Solid	Moisture	
480-87871-5	LFS-38	Total/NA	Solid	Moisture	
480-87871-6	LFS-39	Total/NA	Solid	Moisture	
480-87871-7	LFS-40	Total/NA	Solid	Moisture	
480-87871-8	LFS-41	Total/NA	Solid	Moisture	
480-87871-9	LFS-42	Total/NA	Solid	Moisture	

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-87871-1

**Client Sample ID: LFS-34**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87871-1**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			265759	09/28/15 08:00	JLS	TAL BUF
TCLP	Prep	3010A			266012	09/29/15 11:15	KJ1	TAL BUF
TCLP	Analysis	6010C		1	266142	09/30/15 00:57	AMH	TAL BUF
TCLP	Leach	1311			265759	09/28/15 08:00	JLS	TAL BUF
TCLP	Prep	7470A			266021	09/29/15 11:45	TAS	TAL BUF
TCLP	Analysis	7470A		1	266133	09/29/15 15:01	TAS	TAL BUF
Total/NA	Analysis	Moisture		1	265421	09/24/15 19:58	CMK	TAL BUF

**Client Sample ID: LFS-34**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87871-1**

**Matrix: Solid**

**Percent Solids: 94.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			265490	09/25/15 08:41	JLS	TAL BUF
Total/NA	Analysis	8082A		1	265589	09/25/15 20:29	KS	TAL BUF

**Client Sample ID: LFS-35**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87871-2**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			265759	09/28/15 08:00	JLS	TAL BUF
TCLP	Prep	3010A			266012	09/29/15 11:15	KJ1	TAL BUF
TCLP	Analysis	6010C		1	266142	09/30/15 01:14	AMH	TAL BUF
TCLP	Leach	1311			265759	09/28/15 08:00	JLS	TAL BUF
TCLP	Prep	7470A			266021	09/29/15 11:45	TAS	TAL BUF
TCLP	Analysis	7470A		1	266133	09/29/15 15:08	TAS	TAL BUF
Total/NA	Analysis	Moisture		1	265421	09/24/15 19:58	CMK	TAL BUF

**Client Sample ID: LFS-35**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87871-2**

**Matrix: Solid**

**Percent Solids: 95.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			265490	09/25/15 08:41	JLS	TAL BUF
Total/NA	Analysis	8082A		2	265589	09/25/15 20:45	KS	TAL BUF

**Client Sample ID: LFS-36**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87871-3**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			265759	09/28/15 08:00	JLS	TAL BUF

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-87871-1

**Client Sample ID: LFS-36**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87871-3**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Prep	3010A			266012	09/29/15 11:15	KJ1	TAL BUF
TCLP	Analysis	6010C		1	266142	09/30/15 01:17	AMH	TAL BUF
TCLP	Leach	1311			265759	09/28/15 08:00	JLS	TAL BUF
TCLP	Prep	7470A			266021	09/29/15 11:45	TAS	TAL BUF
TCLP	Analysis	7470A		1	266133	09/29/15 15:10	TAS	TAL BUF
Total/NA	Analysis	Moisture		1	265421	09/24/15 19:58	CMK	TAL BUF

**Client Sample ID: LFS-36**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87871-3**

**Matrix: Solid**

**Percent Solids: 92.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			265490	09/25/15 08:41	JLS	TAL BUF
Total/NA	Analysis	8082A		10	265589	09/25/15 21:01	KS	TAL BUF

**Client Sample ID: LFS-37**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87871-4**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			265843	09/28/15 12:31	JLS	TAL BUF
TCLP	Prep	3010A			266014	09/29/15 11:05	KJ1	TAL BUF
TCLP	Analysis	6010C		1	266264	09/30/15 11:42	SLB	TAL BUF
TCLP	Leach	1311			265843	09/28/15 12:31	JLS	TAL BUF
TCLP	Prep	3010A			266014	09/29/15 11:05	KJ1	TAL BUF
TCLP	Analysis	6010C		2	266389	09/30/15 17:36	SLB	TAL BUF
TCLP	Leach	1311			265843	09/28/15 12:31	JLS	TAL BUF
TCLP	Prep	7470A			266023	09/29/15 11:45	TAS	TAL BUF
TCLP	Analysis	7470A		1	266133	09/29/15 16:01	TAS	TAL BUF
Total/NA	Analysis	Moisture		1	265421	09/24/15 19:58	CMK	TAL BUF

**Client Sample ID: LFS-37**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87871-4**

**Matrix: Solid**

**Percent Solids: 95.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			265490	09/25/15 08:41	JLS	TAL BUF
Total/NA	Analysis	8082A		1	265589	09/25/15 21:16	KS	TAL BUF

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87871-1

**Client Sample ID: LFS-38**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87871-5**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			265759	09/28/15 08:00	JLS	TAL BUF
TCLP	Prep	3010A			266012	09/29/15 11:15	KJ1	TAL BUF
TCLP	Analysis	6010C		1	266142	09/30/15 01:30	AMH	TAL BUF
TCLP	Leach	1311			265759	09/28/15 08:00	JLS	TAL BUF
TCLP	Prep	3010A			266012	09/29/15 11:15	KJ1	TAL BUF
TCLP	Analysis	6010C		1	266277	09/30/15 12:32	AMH	TAL BUF
TCLP	Leach	1311			265759	09/28/15 08:00	JLS	TAL BUF
TCLP	Prep	7470A			266021	09/29/15 11:45	TAS	TAL BUF
TCLP	Analysis	7470A		1	266133	09/29/15 15:11	TAS	TAL BUF
Total/NA	Analysis	Moisture		1	265421	09/24/15 19:58	CMK	TAL BUF

**Client Sample ID: LFS-38**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87871-5**

**Matrix: Solid**

**Percent Solids: 96.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			265490	09/25/15 08:41	JLS	TAL BUF
Total/NA	Analysis	8082A		1	265589	09/25/15 21:32	KS	TAL BUF

**Client Sample ID: LFS-39**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87871-6**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			265759	09/28/15 08:00	JLS	TAL BUF
TCLP	Prep	3010A			266012	09/29/15 11:15	KJ1	TAL BUF
TCLP	Analysis	6010C		1	266142	09/30/15 01:34	AMH	TAL BUF
TCLP	Leach	1311			265759	09/28/15 08:00	JLS	TAL BUF
TCLP	Prep	3010A			266012	09/29/15 11:15	KJ1	TAL BUF
TCLP	Analysis	6010C		1	266277	09/30/15 12:35	AMH	TAL BUF
TCLP	Leach	1311			265759	09/28/15 08:00	JLS	TAL BUF
TCLP	Prep	7470A			266021	09/29/15 11:45	TAS	TAL BUF
TCLP	Analysis	7470A		1	266133	09/29/15 15:16	TAS	TAL BUF
Total/NA	Analysis	Moisture		1	265421	09/24/15 19:58	CMK	TAL BUF

**Client Sample ID: LFS-39**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87871-6**

**Matrix: Solid**

**Percent Solids: 95.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			265490	09/25/15 08:41	JLS	TAL BUF
Total/NA	Analysis	8082A		1	265589	09/25/15 21:48	KS	TAL BUF

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87871-1

**Client Sample ID: LFS-40**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87871-7**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			265759	09/28/15 08:00	JLS	TAL BUF
TCLP	Prep	3010A			266012	09/29/15 11:15	KJ1	TAL BUF
TCLP	Analysis	6010C		1	266142	09/30/15 01:37	AMH	TAL BUF
TCLP	Leach	1311			265759	09/28/15 08:00	JLS	TAL BUF
TCLP	Prep	3010A			266012	09/29/15 11:15	KJ1	TAL BUF
TCLP	Analysis	6010C		1	266277	09/30/15 12:39	AMH	TAL BUF
TCLP	Leach	1311			265759	09/28/15 08:00	JLS	TAL BUF
TCLP	Prep	7470A			266021	09/29/15 11:45	TAS	TAL BUF
TCLP	Analysis	7470A		1	266133	09/29/15 15:18	TAS	TAL BUF
Total/NA	Analysis	Moisture		1	265421	09/24/15 19:58	CMK	TAL BUF

**Client Sample ID: LFS-40**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87871-7**

**Matrix: Solid**

**Percent Solids: 94.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			265490	09/25/15 08:41	JLS	TAL BUF
Total/NA	Analysis	8082A		1	265589	09/25/15 22:36	KS	TAL BUF

**Client Sample ID: LFS-41**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87871-8**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			265759	09/28/15 08:00	JLS	TAL BUF
TCLP	Prep	3010A			266012	09/29/15 11:15	KJ1	TAL BUF
TCLP	Analysis	6010C		5	266380	09/30/15 15:56	AMH	TAL BUF
TCLP	Leach	1311			265759	09/28/15 08:00	JLS	TAL BUF
TCLP	Prep	3010A			266012	09/29/15 11:15	KJ1	TAL BUF
TCLP	Analysis	6010C		1	266142	09/30/15 01:41	AMH	TAL BUF
TCLP	Leach	1311			265759	09/28/15 08:00	JLS	TAL BUF
TCLP	Prep	3010A			266012	09/29/15 11:15	KJ1	TAL BUF
TCLP	Analysis	6010C		1	266277	09/30/15 12:52	AMH	TAL BUF
TCLP	Leach	1311			265759	09/28/15 08:00	JLS	TAL BUF
TCLP	Prep	7470A			266021	09/29/15 11:45	TAS	TAL BUF
TCLP	Analysis	7470A		1	266133	09/29/15 15:20	TAS	TAL BUF
Total/NA	Analysis	Moisture		1	265421	09/24/15 19:58	CMK	TAL BUF

**Client Sample ID: LFS-41**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87871-8**

**Matrix: Solid**

**Percent Solids: 89.6**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			265490	09/25/15 08:41	JLS	TAL BUF

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-87871-1

**Client Sample ID: LFS-41**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87871-8**

**Matrix: Solid**

**Percent Solids: 89.6**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082A		50	265589	09/25/15 22:52	KS	TAL BUF

**Client Sample ID: LFS-42**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87871-9**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			265759	09/28/15 08:00	JLS	TAL BUF
TCLP	Prep	3010A			266012	09/29/15 11:15	KJ1	TAL BUF
TCLP	Analysis	6010C		1	266142	09/30/15 01:44	AMH	TAL BUF
TCLP	Leach	1311			265759	09/28/15 08:00	JLS	TAL BUF
TCLP	Prep	3010A			266012	09/29/15 11:15	KJ1	TAL BUF
TCLP	Analysis	6010C		1	266277	09/30/15 12:55	AMH	TAL BUF
TCLP	Leach	1311			265759	09/28/15 08:00	JLS	TAL BUF
TCLP	Prep	7470A			266021	09/29/15 11:45	TAS	TAL BUF
TCLP	Analysis	7470A		1	266133	09/29/15 15:22	TAS	TAL BUF
Total/NA	Analysis	Moisture		1	265421	09/24/15 19:58	CMK	TAL BUF

**Client Sample ID: LFS-42**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87871-9**

**Matrix: Solid**

**Percent Solids: 81.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			265490	09/25/15 08:41	JLS	TAL BUF
Total/NA	Analysis	8082A		10	265589	09/25/15 23:08	KS	TAL BUF

## Laboratory References:

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



# Certification Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87871-1

## 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	03-31-16

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

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

## Method Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87871-1

Method	Method Description	Protocol	Laboratory
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	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

# Sample Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87871-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-87871-1	LFS-34	Solid	09/24/15 00:00	09/24/15 13:50
480-87871-2	LFS-35	Solid	09/24/15 00:00	09/24/15 13:50
480-87871-3	LFS-36	Solid	09/24/15 00:00	09/24/15 13:50
480-87871-4	LFS-37	Solid	09/24/15 00:00	09/24/15 13:50
480-87871-5	LFS-38	Solid	09/24/15 00:00	09/24/15 13:50
480-87871-6	LFS-39	Solid	09/24/15 00:00	09/24/15 13:50
480-87871-7	LFS-40	Solid	09/24/15 00:00	09/24/15 13:50
480-87871-8	LFS-41	Solid	09/24/15 00:00	09/24/15 13:50
480-87871-9	LFS-42	Solid	09/24/15 00:00	09/24/15 13:50

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt \_\_\_\_\_

Drinking Water? Yes ☐ No ☒

## Chain of Custody Record


TAL-4124 (1007)

Client <b>Iyer Environmental Group</b>		Project Manager <b>Dharma Iyer</b>		Date <b>Sep 24, 2015</b>		Chain of Custody Number <b>264468</b>	
Address <b>44 Rolling Hills Dr</b>		Telephone Number (Area Code) Fax Number <b>(716) 662-4157</b>		Lab Number		Page <b>1</b> of <b>1</b>	
City <b>Orchard Park</b>		State <b>NY</b>		Zip Code <b>14127</b>		Analysis (Attach list if more space is needed)	
Project Name and Location (State) <b>132 Dingers St (NY)</b>		Site Contact <b>R. Allen</b>		Lab Contact <b>M. Deyo</b>		Special Instructions/ Conditions of Receipt <b>CATEGORY A</b>	
Contract/Purchase Order/Quote No.		Carrier/Waybill Number					

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives				Total PCBs	Total Metals	
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl			NaOH
LFS-34	9/24/15					✓							✓
LFS-35						✓							✓
LFS-36						✓							✓
LFS-37						✓							✓
LFS-38						✓							✓
LFS-39						✓							✓
LFS-40						✓							✓
LFS-41						✓							✓
LFS-42						✓							✓



480-87871 Chain of Custody

Possible Hazard Identification		Sample Disposal	
<input checked="" type="checkbox"/> Non-Hazard	<input type="checkbox"/> Flammable	<input type="checkbox"/> Return To Client	<input checked="" type="checkbox"/> Disposal By Lab
<input type="checkbox"/> 24 Hours	<input type="checkbox"/> 48 Hours	<input type="checkbox"/> Unknown	<input type="checkbox"/> Archive For _____ Months
<input checked="" type="checkbox"/> 7 Days	<input type="checkbox"/> 14 Days	<input type="checkbox"/> Poison B	(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required		QC Requirements (Specify)	
<input type="checkbox"/> 24 Hours	<input type="checkbox"/> 48 Hours	1. Received By <b>Unkown TA</b> Date <b>09/24/15</b> Time <b>1350</b>	
<input checked="" type="checkbox"/> Relinquished By <b>Richard C Allen Jr</b>	<input type="checkbox"/> Other	2. Received By _____ Date _____ Time _____	
<input type="checkbox"/> Relinquished By		3. Received By _____ Date _____ Time _____	

Comments

**Temp 25.3 NO ICE #1**

## Login Sample Receipt Checklist

Client: Iyer Environmental Group, LLC

Job Number: 480-87871-1

**Login Number: 87871**

**List Number: 1**

**Creator: Kolb, Chris M**

**List Source: TestAmerica Buffalo**

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.	False	
Cooler Temperature is acceptable.	True	Yes: Received same day of collection
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.	False	Refer to job narrative for details
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.	False	Refer to job narrative for details
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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
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	IYER ENV.
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-88006-1

Client Project/Site: 132 Dingens

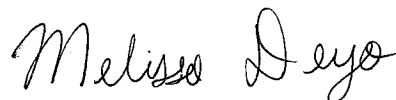
For:

Iyer Environmental Group, LLC

44 Rolling Hills Drive

Orchard Park, New York 14127

Attn: Dr. Dharmarajan R Iyer



Authorized for release by:

10/2/2015 10:41:52 AM

Melissa Deyo, Project Manager I

(716)504-9874

[melissa.deyo@testamericainc.com](mailto:melissa.deyo@testamericainc.com)

### LINKS

Review your project  
results through

**TotalAccess**

Have a Question?



Visit us at:

[www.testamericainc.com](http://www.testamericainc.com)

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*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.*



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## Definitions/Glossary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-88006-1

### Qualifiers

#### 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.

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)

## Case Narrative

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-88006-1

**Job ID: 480-88006-1**

**Laboratory: TestAmerica Buffalo**

### Narrative

#### Job Narrative 480-88006-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 9/28/2015 4:45 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 18.7° C.

#### Receipt Exceptions

Sample times not listed on COC or labels. Logged in a time of 0000

#### GC Semi VOA

Method(s) 8082A: All primary data is reported from the ZB-35 column.

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

#### Metals

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

#### Organic Prep

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

## Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-88006-1

### Client Sample ID: LFS-43

### Lab Sample ID: 480-88006-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1248	0.096	J	0.24	0.047	mg/Kg	1		✱	8082A	Total/NA
Barium	1.5		1.0	0.10	mg/L	1			6010C	TCLP
Cadmium	0.017		0.0020	0.00050	mg/L	1			6010C	TCLP
Lead	0.78		0.020	0.0030	mg/L	1			6010C	TCLP

### Client Sample ID: LFS-44

### Lab Sample ID: 480-88006-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1248	1.6		0.27	0.052	mg/Kg	1		✱	8082A	Total/NA
PCB-1260	0.41		0.27	0.13	mg/Kg	1		✱	8082A	Total/NA
Barium	1.6		1.0	0.10	mg/L	1			6010C	TCLP
Cadmium	0.062		0.0020	0.00050	mg/L	1			6010C	TCLP
Lead	2.0		0.020	0.0030	mg/L	1			6010C	TCLP

### Client Sample ID: LFS-45

### Lab Sample ID: 480-88006-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1248	0.65		0.29	0.057	mg/Kg	1		✱	8082A	Total/NA
Barium	1.6		1.0	0.10	mg/L	1			6010C	TCLP
Cadmium	0.020		0.0020	0.00050	mg/L	1			6010C	TCLP
Lead	3.3		0.020	0.0030	mg/L	1			6010C	TCLP

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-88006-1

**Client Sample ID: LFS-43**

**Date Collected: 09/28/15 00:00**

**Date Received: 09/28/15 16:45**

**Lab Sample ID: 480-88006-1**

**Matrix: Solid**

**Percent Solids: 83.3**

## 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	✱	09/29/15 13:33	09/30/15 17:04	1
PCB-1221	ND		0.24	0.047	mg/Kg	✱	09/29/15 13:33	09/30/15 17:04	1
PCB-1232	ND		0.24	0.047	mg/Kg	✱	09/29/15 13:33	09/30/15 17:04	1
PCB-1242	ND		0.24	0.047	mg/Kg	✱	09/29/15 13:33	09/30/15 17:04	1
<b>PCB-1248</b>	<b>0.096</b>	<b>J</b>	0.24	0.047	mg/Kg	✱	09/29/15 13:33	09/30/15 17:04	1
PCB-1254	ND		0.24	0.11	mg/Kg	✱	09/29/15 13:33	09/30/15 17:04	1
PCB-1260	ND		0.24	0.11	mg/Kg	✱	09/29/15 13:33	09/30/15 17:04	1
PCB-1262	ND		0.24	0.11	mg/Kg	✱	09/29/15 13:33	09/30/15 17:04	1
PCB-1268	ND		0.24	0.11	mg/Kg	✱	09/29/15 13:33	09/30/15 17:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	99		60 - 154	09/29/15 13:33	09/30/15 17:04	1
DCB Decachlorobiphenyl	84		65 - 174	09/29/15 13:33	09/30/15 17:04	1

## Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L	-	09/30/15 09:28	09/30/15 18:15	1
<b>Barium</b>	<b>1.5</b>		1.0	0.10	mg/L	-	09/30/15 09:28	09/30/15 18:15	1
<b>Cadmium</b>	<b>0.017</b>		0.0020	0.00050	mg/L	-	09/30/15 09:28	09/30/15 18:15	1
Chromium	ND		0.020	0.010	mg/L	-	09/30/15 09:28	09/30/15 18:15	1
<b>Lead</b>	<b>0.78</b>		0.020	0.0030	mg/L	-	09/30/15 09:28	09/30/15 18:15	1
Selenium	ND		0.025	0.0087	mg/L	-	09/30/15 09:28	09/30/15 18:15	1
Silver	ND		0.0060	0.0017	mg/L	-	09/30/15 09:28	09/30/15 18:15	1

## Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L	-	09/30/15 10:15	09/30/15 15:17	1

**Client Sample ID: LFS-44**

**Date Collected: 09/28/15 00:00**

**Date Received: 09/28/15 16:45**

**Lab Sample ID: 480-88006-2**

**Matrix: Solid**

**Percent Solids: 86.9**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.27	0.052	mg/Kg	✱	09/29/15 13:33	09/30/15 17:19	1
PCB-1221	ND		0.27	0.052	mg/Kg	✱	09/29/15 13:33	09/30/15 17:19	1
PCB-1232	ND		0.27	0.052	mg/Kg	✱	09/29/15 13:33	09/30/15 17:19	1
PCB-1242	ND		0.27	0.052	mg/Kg	✱	09/29/15 13:33	09/30/15 17:19	1
<b>PCB-1248</b>	<b>1.6</b>		0.27	0.052	mg/Kg	✱	09/29/15 13:33	09/30/15 17:19	1
PCB-1254	ND		0.27	0.13	mg/Kg	✱	09/29/15 13:33	09/30/15 17:19	1
<b>PCB-1260</b>	<b>0.41</b>		0.27	0.13	mg/Kg	✱	09/29/15 13:33	09/30/15 17:19	1
PCB-1262	ND		0.27	0.13	mg/Kg	✱	09/29/15 13:33	09/30/15 17:19	1
PCB-1268	ND		0.27	0.13	mg/Kg	✱	09/29/15 13:33	09/30/15 17:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	106		60 - 154	09/29/15 13:33	09/30/15 17:19	1
DCB Decachlorobiphenyl	108		65 - 174	09/29/15 13:33	09/30/15 17:19	1

## Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L	-	09/30/15 09:28	09/30/15 18:18	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-88006-1

**Client Sample ID: LFS-44**

**Date Collected: 09/28/15 00:00**

**Date Received: 09/28/15 16:45**

**Lab Sample ID: 480-88006-2**

**Matrix: Solid**

**Percent Solids: 86.9**

## Method: 6010C - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	1.6		1.0	0.10	mg/L		09/30/15 09:28	09/30/15 18:18	1
Cadmium	0.062		0.0020	0.00050	mg/L		09/30/15 09:28	09/30/15 18:18	1
Chromium	ND		0.020	0.010	mg/L		09/30/15 09:28	09/30/15 18:18	1
Lead	2.0		0.020	0.0030	mg/L		09/30/15 09:28	09/30/15 18:18	1
Selenium	ND		0.025	0.0087	mg/L		09/30/15 09:28	09/30/15 18:18	1
Silver	ND		0.0060	0.0017	mg/L		09/30/15 09:28	09/30/15 18:18	1

## Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		09/30/15 10:15	09/30/15 15:19	1

**Client Sample ID: LFS-45**

**Date Collected: 09/28/15 00:00**

**Date Received: 09/28/15 16:45**

**Lab Sample ID: 480-88006-3**

**Matrix: Solid**

**Percent Solids: 83.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.29	0.057	mg/Kg	✱	09/29/15 13:33	09/30/15 17:34	1
PCB-1221	ND		0.29	0.057	mg/Kg	✱	09/29/15 13:33	09/30/15 17:34	1
PCB-1232	ND		0.29	0.057	mg/Kg	✱	09/29/15 13:33	09/30/15 17:34	1
PCB-1242	ND		0.29	0.057	mg/Kg	✱	09/29/15 13:33	09/30/15 17:34	1
PCB-1248	0.65		0.29	0.057	mg/Kg	✱	09/29/15 13:33	09/30/15 17:34	1
PCB-1254	ND		0.29	0.14	mg/Kg	✱	09/29/15 13:33	09/30/15 17:34	1
PCB-1260	ND		0.29	0.14	mg/Kg	✱	09/29/15 13:33	09/30/15 17:34	1
PCB-1262	ND		0.29	0.14	mg/Kg	✱	09/29/15 13:33	09/30/15 17:34	1
PCB-1268	ND		0.29	0.14	mg/Kg	✱	09/29/15 13:33	09/30/15 17:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	101		60 - 154	09/29/15 13:33	09/30/15 17:34	1
DCB Decachlorobiphenyl	102		65 - 174	09/29/15 13:33	09/30/15 17:34	1

## Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		09/30/15 09:28	09/30/15 18:22	1
Barium	1.6		1.0	0.10	mg/L		09/30/15 09:28	09/30/15 18:22	1
Cadmium	0.020		0.0020	0.00050	mg/L		09/30/15 09:28	09/30/15 18:22	1
Chromium	ND		0.020	0.010	mg/L		09/30/15 09:28	09/30/15 18:22	1
Lead	3.3		0.020	0.0030	mg/L		09/30/15 09:28	09/30/15 18:22	1
Selenium	ND		0.025	0.0087	mg/L		09/30/15 09:28	09/30/15 18:22	1
Silver	ND		0.0060	0.0017	mg/L		09/30/15 09:28	09/30/15 18:22	1

## Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		09/30/15 10:15	09/30/15 15:21	1

TestAmerica Buffalo



# Surrogate Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-88006-1

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

Matrix: Solid

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX2 (60-154)	DCB2 (65-174)
480-88006-1	LFS-43	99	84
480-88006-2	LFS-44	106	108
480-88006-3	LFS-45	101	102
LCS 480-266057/2-A	Lab Control Sample	115	115
MB 480-266057/1-A	Method Blank	107	104

### Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-88006-1

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

Lab Sample ID: MB 480-266057/1-A

Matrix: Solid

Analysis Batch: 266272

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 266057

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.24	0.047	mg/Kg		09/29/15 13:33	09/30/15 14:06	1
PCB-1221	ND		0.24	0.047	mg/Kg		09/29/15 13:33	09/30/15 14:06	1
PCB-1232	ND		0.24	0.047	mg/Kg		09/29/15 13:33	09/30/15 14:06	1
PCB-1242	ND		0.24	0.047	mg/Kg		09/29/15 13:33	09/30/15 14:06	1
PCB-1248	ND		0.24	0.047	mg/Kg		09/29/15 13:33	09/30/15 14:06	1
PCB-1254	ND		0.24	0.11	mg/Kg		09/29/15 13:33	09/30/15 14:06	1
PCB-1260	ND		0.24	0.11	mg/Kg		09/29/15 13:33	09/30/15 14:06	1
PCB-1262	ND		0.24	0.11	mg/Kg		09/29/15 13:33	09/30/15 14:06	1
PCB-1268	ND		0.24	0.11	mg/Kg		09/29/15 13:33	09/30/15 14:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	107		60 - 154	09/29/15 13:33	09/30/15 14:06	1
DCB Decachlorobiphenyl	104		65 - 174	09/29/15 13:33	09/30/15 14:06	1

Lab Sample ID: LCS 480-266057/2-A

Matrix: Solid

Analysis Batch: 266272

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 266057

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
PCB-1016	1.86	2.20		mg/Kg		118	51 - 185
PCB-1260	1.86	2.23		mg/Kg		120	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	115		60 - 154
DCB Decachlorobiphenyl	115		65 - 174

## Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-266173/2-A

Matrix: Solid

Analysis Batch: 266392

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 266173

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		09/30/15 09:28	09/30/15 18:08	1
Barium	ND		1.0	0.10	mg/L		09/30/15 09:28	09/30/15 18:08	1
Cadmium	ND		0.0020	0.00050	mg/L		09/30/15 09:28	09/30/15 18:08	1
Chromium	ND		0.020	0.010	mg/L		09/30/15 09:28	09/30/15 18:08	1
Lead	ND		0.020	0.0030	mg/L		09/30/15 09:28	09/30/15 18:08	1
Selenium	ND		0.025	0.0087	mg/L		09/30/15 09:28	09/30/15 18:08	1
Silver	ND		0.0060	0.0017	mg/L		09/30/15 09:28	09/30/15 18:08	1

Lab Sample ID: LCS 480-266173/3-A

Matrix: Solid

Analysis Batch: 266392

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 266173

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Arsenic	1.00	1.10		mg/L		110	80 - 120

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-88006-1

## Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 480-266173/3-A  
Matrix: Solid  
Analysis Batch: 266392

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 266173

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	1.00	1.00		mg/L		100	80 - 120
Cadmium	1.00	1.03		mg/L		103	80 - 120
Chromium	1.00	1.02		mg/L		102	80 - 120
Lead	1.00	0.999		mg/L		100	80 - 120
Selenium	1.00	1.09		mg/L		109	80 - 120
Silver	1.00	1.08		mg/L		108	80 - 120

Lab Sample ID: 480-88006-3 MS  
Matrix: Solid  
Analysis Batch: 266392

Client Sample ID: LFS-45  
Prep Type: TCLP  
Prep Batch: 266173

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	ND		1.00	1.12		mg/L		112	75 - 125
Barium	1.6		1.00	2.63		mg/L		99	75 - 125
Cadmium	0.020		1.00	1.09		mg/L		107	75 - 125
Chromium	ND		1.00	0.998		mg/L		100	75 - 125
Lead	3.3		1.00	4.29		mg/L		99	75 - 125
Selenium	ND		1.00	1.11		mg/L		111	75 - 125
Silver	ND		1.00	1.09		mg/L		109	75 - 125

Lab Sample ID: 480-88006-3 MSD  
Matrix: Solid  
Analysis Batch: 266392

Client Sample ID: LFS-45  
Prep Type: TCLP  
Prep Batch: 266173

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Arsenic	ND		1.00	1.12		mg/L		112	75 - 125	0	20
Barium	1.6		1.00	2.62		mg/L		99	75 - 125	0	20
Cadmium	0.020		1.00	1.08		mg/L		106	75 - 125	0	20
Chromium	ND		1.00	0.992		mg/L		99	75 - 125	1	20
Lead	3.3		1.00	4.28		mg/L		98	75 - 125	0	20
Selenium	ND		1.00	1.11		mg/L		111	75 - 125	0	20
Silver	ND		1.00	1.07		mg/L		107	75 - 125	2	20

## Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-266177/2-A  
Matrix: Solid  
Analysis Batch: 266365

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 266177

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		09/30/15 10:15	09/30/15 15:13	1

Lab Sample ID: LCS 480-266177/3-A  
Matrix: Solid  
Analysis Batch: 266365

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 266177

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00668	0.00630		mg/L		94	80 - 120

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-88006-1

## Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LB 480-266026/1-C

Matrix: Solid

Analysis Batch: 266365

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 266177

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L	-	09/30/15 10:15	09/30/15 15:12	1

Lab Sample ID: 480-88006-3 MS

Matrix: Solid

Analysis Batch: 266365

Client Sample ID: LFS-45

Prep Type: TCLP

Prep Batch: 266177

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.00668	0.00582		mg/L	-	87	80 - 120

Lab Sample ID: 480-88006-3 MSD

Matrix: Solid

Analysis Batch: 266365

Client Sample ID: LFS-45

Prep Type: TCLP

Prep Batch: 266177

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.00668	0.00552		mg/L	-	83	80 - 120	5	20

# QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-88006-1

## GC Semi VOA

### Prep Batch: 266057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88006-1	LFS-43	Total/NA	Solid	3550C	
480-88006-2	LFS-44	Total/NA	Solid	3550C	
480-88006-3	LFS-45	Total/NA	Solid	3550C	
LCS 480-266057/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 480-266057/1-A	Method Blank	Total/NA	Solid	3550C	

### Analysis Batch: 266272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88006-1	LFS-43	Total/NA	Solid	8082A	266057
480-88006-2	LFS-44	Total/NA	Solid	8082A	266057
480-88006-3	LFS-45	Total/NA	Solid	8082A	266057
LCS 480-266057/2-A	Lab Control Sample	Total/NA	Solid	8082A	266057
MB 480-266057/1-A	Method Blank	Total/NA	Solid	8082A	266057

## Metals

### Leach Batch: 266026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88006-1	LFS-43	TCLP	Solid	1311	
480-88006-2	LFS-44	TCLP	Solid	1311	
480-88006-3	LFS-45	TCLP	Solid	1311	
480-88006-3 MS	LFS-45	TCLP	Solid	1311	
480-88006-3 MSD	LFS-45	TCLP	Solid	1311	
LB 480-266026/1-C	Method Blank	TCLP	Solid	1311	

### Prep Batch: 266173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88006-1	LFS-43	TCLP	Solid	3010A	266026
480-88006-2	LFS-44	TCLP	Solid	3010A	266026
480-88006-3	LFS-45	TCLP	Solid	3010A	266026
480-88006-3 MS	LFS-45	TCLP	Solid	3010A	266026
480-88006-3 MSD	LFS-45	TCLP	Solid	3010A	266026
LCS 480-266173/3-A	Lab Control Sample	Total/NA	Solid	3010A	
MB 480-266173/2-A	Method Blank	Total/NA	Solid	3010A	

### Prep Batch: 266177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88006-1	LFS-43	TCLP	Solid	7470A	266026
480-88006-2	LFS-44	TCLP	Solid	7470A	266026
480-88006-3	LFS-45	TCLP	Solid	7470A	266026
480-88006-3 MS	LFS-45	TCLP	Solid	7470A	266026
480-88006-3 MSD	LFS-45	TCLP	Solid	7470A	266026
LB 480-266026/1-C	Method Blank	TCLP	Solid	7470A	266026
LCS 480-266177/3-A	Lab Control Sample	Total/NA	Solid	7470A	
MB 480-266177/2-A	Method Blank	Total/NA	Solid	7470A	

### Analysis Batch: 266365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88006-1	LFS-43	TCLP	Solid	7470A	266177
480-88006-2	LFS-44	TCLP	Solid	7470A	266177

TestAmerica Buffalo

## QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-88006-1

### Metals (Continued)

#### Analysis Batch: 266365 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88006-3	LFS-45	TCLP	Solid	7470A	266177
480-88006-3 MS	LFS-45	TCLP	Solid	7470A	266177
480-88006-3 MSD	LFS-45	TCLP	Solid	7470A	266177
LB 480-266026/1-C	Method Blank	TCLP	Solid	7470A	266177
LCS 480-266177/3-A	Lab Control Sample	Total/NA	Solid	7470A	266177
MB 480-266177/2-A	Method Blank	Total/NA	Solid	7470A	266177

#### Analysis Batch: 266392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88006-1	LFS-43	TCLP	Solid	6010C	266173
480-88006-2	LFS-44	TCLP	Solid	6010C	266173
480-88006-3	LFS-45	TCLP	Solid	6010C	266173
480-88006-3 MS	LFS-45	TCLP	Solid	6010C	266173
480-88006-3 MSD	LFS-45	TCLP	Solid	6010C	266173
LCS 480-266173/3-A	Lab Control Sample	Total/NA	Solid	6010C	266173
MB 480-266173/2-A	Method Blank	Total/NA	Solid	6010C	266173

### General Chemistry

#### Analysis Batch: 265922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88006-1	LFS-43	Total/NA	Solid	Moisture	
480-88006-2	LFS-44	Total/NA	Solid	Moisture	
480-88006-3	LFS-45	Total/NA	Solid	Moisture	



# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-88006-1

**Client Sample ID: LFS-43**

**Date Collected: 09/28/15 00:00**

**Date Received: 09/28/15 16:45**

**Lab Sample ID: 480-88006-1**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			266026	09/29/15 10:59	JLS	TAL BUF
TCLP	Prep	3010A			266173	09/30/15 09:28	KJ1	TAL BUF
TCLP	Analysis	6010C		1	266392	09/30/15 18:15	AMH	TAL BUF
TCLP	Leach	1311			266026	09/29/15 10:59	JLS	TAL BUF
TCLP	Prep	7470A			266177	09/30/15 10:15	TAS	TAL BUF
TCLP	Analysis	7470A		1	266365	09/30/15 15:17	TAS	TAL BUF
Total/NA	Analysis	Moisture		1	265922	09/29/15 00:41	CSW	TAL BUF

**Client Sample ID: LFS-43**

**Date Collected: 09/28/15 00:00**

**Date Received: 09/28/15 16:45**

**Lab Sample ID: 480-88006-1**

**Matrix: Solid**

**Percent Solids: 83.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			266057	09/29/15 13:33	CAM	TAL BUF
Total/NA	Analysis	8082A		1	266272	09/30/15 17:04	KS	TAL BUF

**Client Sample ID: LFS-44**

**Date Collected: 09/28/15 00:00**

**Date Received: 09/28/15 16:45**

**Lab Sample ID: 480-88006-2**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			266026	09/29/15 10:59	JLS	TAL BUF
TCLP	Prep	3010A			266173	09/30/15 09:28	KJ1	TAL BUF
TCLP	Analysis	6010C		1	266392	09/30/15 18:18	AMH	TAL BUF
TCLP	Leach	1311			266026	09/29/15 10:59	JLS	TAL BUF
TCLP	Prep	7470A			266177	09/30/15 10:15	TAS	TAL BUF
TCLP	Analysis	7470A		1	266365	09/30/15 15:19	TAS	TAL BUF
Total/NA	Analysis	Moisture		1	265922	09/29/15 00:41	CSW	TAL BUF

**Client Sample ID: LFS-44**

**Date Collected: 09/28/15 00:00**

**Date Received: 09/28/15 16:45**

**Lab Sample ID: 480-88006-2**

**Matrix: Solid**

**Percent Solids: 86.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			266057	09/29/15 13:33	CAM	TAL BUF
Total/NA	Analysis	8082A		1	266272	09/30/15 17:19	KS	TAL BUF

**Client Sample ID: LFS-45**

**Date Collected: 09/28/15 00:00**

**Date Received: 09/28/15 16:45**

**Lab Sample ID: 480-88006-3**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			266026	09/29/15 10:59	JLS	TAL BUF

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-88006-1

**Client Sample ID: LFS-45**

**Date Collected: 09/28/15 00:00**

**Date Received: 09/28/15 16:45**

**Lab Sample ID: 480-88006-3**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Prep	3010A			266173	09/30/15 09:28	KJ1	TAL BUF
TCLP	Analysis	6010C		1	266392	09/30/15 18:22	AMH	TAL BUF
TCLP	Leach	1311			266026	09/29/15 10:59	JLS	TAL BUF
TCLP	Prep	7470A			266177	09/30/15 10:15	TAS	TAL BUF
TCLP	Analysis	7470A		1	266365	09/30/15 15:21	TAS	TAL BUF
Total/NA	Analysis	Moisture		1	265922	09/29/15 00:41	CSW	TAL BUF

**Client Sample ID: LFS-45**

**Date Collected: 09/28/15 00:00**

**Date Received: 09/28/15 16:45**

**Lab Sample ID: 480-88006-3**

**Matrix: Solid**

**Percent Solids: 83.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			266057	09/29/15 13:33	CAM	TAL BUF
Total/NA	Analysis	8082A		1	266272	09/30/15 17:34	KS	TAL BUF

## Laboratory References:

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

# Certification Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-88006-1

## 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	03-31-16

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

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

## Method Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-88006-1

Method	Method Description	Protocol	Laboratory
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	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

## Sample Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-88006-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-88006-1	LFS-43	Solid	09/28/15 00:00	09/28/15 16:45
480-88006-2	LFS-44	Solid	09/28/15 00:00	09/28/15 16:45
480-88006-3	LFS-45	Solid	09/28/15 00:00	09/28/15 16:45

## Chain of Custody Record

Temperature on Receipt \_\_\_\_\_

## THE LEADER IN ENVIRONMENTAL TESTING

Drinking Water? Yes ☐ No ☒

TAL-4124 (1007)

Client	Iyer Environmental Groups	Project Manager	Dharma Iyer	Date	Sep 20, 2015	Chain of Custody Number	264479
Address	44 Rolling Hills Dr	Telephone Number (Area Code)/Fax Number	(716) 662-4157	Lab Number		Page	1 of 1

City	State	Zip Code	Site Contact	Lab Contact	Analysis (Attach list if more space is needed)
Orchard Park	NY	14127	R. Allen	M. Deyo	
Project Name and Location (State)			Carrier/Maybill Number		

132 Diggins St (NY)	Containers &	Special Instructions/ Conditions of Receipt
Contract/Purchase Order/Quote No.		

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Possible Hazard Identification	Sample Disposal
	(A fee may be assessed if samples are retained)

☒ Non-Hazard    ☐ Flammable    ☐ Skin Irritant    ☐ Poison B    ☐ Unknown    ☐ Return To Client    ☒ Disposal By Lab    ☐ Archive For \_\_\_\_\_ Months \_\_\_\_\_ longer than 1 month)

Turn Around Time Desired \_\_\_\_\_ OC Benzinante (Snatch) \_\_\_\_\_

24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other \_\_\_\_\_

Relinquished By	Date	Time	Received By	Date	Time
D.L.D. All Jr.	9/6/15	1100	[Signature]	9/6/15	1100
				9/6/15	1100

2. Relinquished By		2. Received By	
Date	Time	Date	Time
1/20/13	10:15	1/20/13	10:15

<i>2. Delivered By</i>	<i>Date</i>	<i>Time</i>	<i>2. Received By</i>	<i>Date</i>	<i>Time</i>

3. Acquired by	Date	3. Received by	Date

Comments
187 #1

**DISTRIBUTION:** WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

## Login Sample Receipt Checklist

Client: Iyer Environmental Group, LLC

Job Number: 480-88006-1

**Login Number: 88006**

**List Source: TestAmerica Buffalo**

**List Number: 1**

**Creator: Williams, Christopher S**

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.	False	SAMPLE TIMES NOT LISTED
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.	False	SAMPLE TIMES NOT LISTED ON LABELS
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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
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	IYER
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	



## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-88823-1

Client Project/Site: 132 Dingens

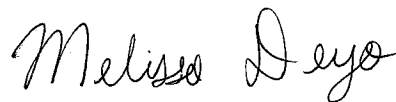
For:

Iyer Environmental Group, LLC

44 Rolling Hills Drive

Orchard Park, New York 14127

Attn: Dr. Dharmarajan R Iyer



Authorized for release by:

10/15/2015 9:18:46 AM

Melissa Deyo, Project Manager I

(716)504-9874

[melissa.deyo@testamericainc.com](mailto:melissa.deyo@testamericainc.com)

### LINKS

Review your project  
results through

**TotalAccess**

Have a Question?



Visit us at:

[www.testamericainc.com](http://www.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.*



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## Definitions/Glossary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-88823-1

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)

## Case Narrative

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-88823-1

**Job ID: 480-88823-1**

**Laboratory: TestAmerica Buffalo**

### Narrative

#### Job Narrative 480-88823-1

#### Receipt

The sample was received on 10/9/2015 1:50 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 17.5° C.

#### Metals

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

#### Organic Prep

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

## Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-88823-1

**Client Sample ID: LFS-46**

**Lab Sample ID: 480-88823-1**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	2.0		1.0	0.10	mg/L	1		6010C	TCLP
Cadmium	0.026		0.0020	0.00050	mg/L	1		6010C	TCLP
Lead	1.8		0.020	0.0030	mg/L	1		6010C	TCLP

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-88823-1

**Client Sample ID: LFS-46**

**Date Collected: 10/09/15 00:00**

**Date Received: 10/09/15 13:50**

**Lab Sample ID: 480-88823-1**

**Matrix: Solid**

## Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		10/13/15 11:35	10/14/15 10:30	1
Barium	2.0		1.0	0.10	mg/L		10/13/15 11:35	10/14/15 10:30	1
Cadmium	0.026		0.0020	0.00050	mg/L		10/13/15 11:35	10/14/15 10:30	1
Chromium	ND		0.020	0.010	mg/L		10/13/15 11:35	10/14/15 10:30	1
Lead	1.8		0.020	0.0030	mg/L		10/13/15 11:35	10/14/15 10:30	1
Selenium	ND		0.025	0.0087	mg/L		10/13/15 11:35	10/14/15 10:30	1
Silver	ND		0.0060	0.0017	mg/L		10/13/15 11:35	10/14/15 10:30	1

## Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/13/15 12:00	10/13/15 18:24	1

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-88823-1

## Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-268431/2-A

Matrix: Solid

Analysis Batch: 268742

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 268431

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		10/13/15 11:35	10/14/15 10:20	1
Barium	ND		1.0	0.10	mg/L		10/13/15 11:35	10/14/15 10:20	1
Cadmium	ND		0.0020	0.00050	mg/L		10/13/15 11:35	10/14/15 10:20	1
Chromium	ND		0.020	0.010	mg/L		10/13/15 11:35	10/14/15 10:20	1
Lead	ND		0.020	0.0030	mg/L		10/13/15 11:35	10/14/15 10:20	1
Selenium	ND		0.025	0.0087	mg/L		10/13/15 11:35	10/14/15 10:20	1
Silver	ND		0.0060	0.0017	mg/L		10/13/15 11:35	10/14/15 10:20	1

Lab Sample ID: LCS 480-268431/3-A

Matrix: Solid

Analysis Batch: 268742

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 268431

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	1.07		mg/L		107	80 - 120
Barium	1.00	1.00		mg/L		100	80 - 120
Cadmium	1.00	1.02		mg/L		102	80 - 120
Chromium	1.00	1.02		mg/L		102	80 - 120
Lead	1.00	0.998		mg/L		100	80 - 120
Selenium	1.00	1.08		mg/L		108	80 - 120
Silver	1.00	1.07		mg/L		107	80 - 120

Lab Sample ID: LB 480-268176/1-B

Matrix: Solid

Analysis Batch: 268742

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 268431

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		10/13/15 11:35	10/14/15 10:17	1
Barium	ND		1.0	0.10	mg/L		10/13/15 11:35	10/14/15 10:17	1
Cadmium	ND		0.0020	0.00050	mg/L		10/13/15 11:35	10/14/15 10:17	1
Chromium	ND		0.020	0.010	mg/L		10/13/15 11:35	10/14/15 10:17	1
Lead	ND		0.020	0.0030	mg/L		10/13/15 11:35	10/14/15 10:17	1
Selenium	ND		0.025	0.0087	mg/L		10/13/15 11:35	10/14/15 10:17	1
Silver	ND		0.0060	0.0017	mg/L		10/13/15 11:35	10/14/15 10:17	1

## Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-268444/2-A

Matrix: Solid

Analysis Batch: 268621

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 268444

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/13/15 12:00	10/13/15 18:19	1

Lab Sample ID: LCS 480-268444/3-A

Matrix: Solid

Analysis Batch: 268621

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 268444

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00668	0.00673		mg/L		101	80 - 120

TestAmerica Buffalo



## QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-88823-1

### Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LB 480-268176/1-C

Matrix: Solid

Analysis Batch: 268621

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 268444

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L	—	10/13/15 12:00	10/13/15 16:57	1

# QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-88823-1

## Metals

### Leach Batch: 268176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88823-1	LFS-46	TCLP	Solid	1311	
LB 480-268176/1-B	Method Blank	TCLP	Solid	1311	
LB 480-268176/1-C	Method Blank	TCLP	Solid	1311	

### Prep Batch: 268431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88823-1	LFS-46	TCLP	Solid	3010A	268176
LB 480-268176/1-B	Method Blank	TCLP	Solid	3010A	268176
LCS 480-268431/3-A	Lab Control Sample	Total/NA	Solid	3010A	
MB 480-268431/2-A	Method Blank	Total/NA	Solid	3010A	

### Prep Batch: 268444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88823-1	LFS-46	TCLP	Solid	7470A	268176
LB 480-268176/1-C	Method Blank	TCLP	Solid	7470A	268176
LCS 480-268444/3-A	Lab Control Sample	Total/NA	Solid	7470A	
MB 480-268444/2-A	Method Blank	Total/NA	Solid	7470A	

### Analysis Batch: 268621

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88823-1	LFS-46	TCLP	Solid	7470A	268444
LB 480-268176/1-C	Method Blank	TCLP	Solid	7470A	268444
LCS 480-268444/3-A	Lab Control Sample	Total/NA	Solid	7470A	268444
MB 480-268444/2-A	Method Blank	Total/NA	Solid	7470A	268444

### Analysis Batch: 268742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88823-1	LFS-46	TCLP	Solid	6010C	268431
LB 480-268176/1-B	Method Blank	TCLP	Solid	6010C	268431
LCS 480-268431/3-A	Lab Control Sample	Total/NA	Solid	6010C	268431
MB 480-268431/2-A	Method Blank	Total/NA	Solid	6010C	268431

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-88823-1

**Client Sample ID: LFS-46**

**Date Collected: 10/09/15 00:00**

**Date Received: 10/09/15 13:50**

**Lab Sample ID: 480-88823-1**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			268176	10/12/15 07:59	JLS	TAL BUF
TCLP	Prep	3010A			268431	10/13/15 11:35	KJ1	TAL BUF
TCLP	Analysis	6010C		1	268742	10/14/15 10:30	AMH	TAL BUF
TCLP	Leach	1311			268176	10/12/15 07:59	JLS	TAL BUF
TCLP	Prep	7470A			268444	10/13/15 12:00	TAS	TAL BUF
TCLP	Analysis	7470A		1	268621	10/13/15 18:24	TAS	TAL BUF

## Laboratory References:

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

## Certification Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-88823-1

### 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	03-31-16

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

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury

## Method Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-88823-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF

### Protocol References:

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

## Sample Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-88823-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-88823-1	LFS-46	Solid	10/09/15 00:00	10/09/15 13:50

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# TestAmerica

Temperature on Receipt \_\_\_\_\_

Drinking Water? Yes ☐ No ☒



480-88823 Chain of Custody

THE LEADER IN ENVIRONMENTAL

**TAL-4124 (1007)**

[illegible]

**DISTRIBUTION:** WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy



## Login Sample Receipt Checklist

Client: Iyer Environmental Group, LLC

Job Number: 480-88823-1

Login Number: 88823

List Source: TestAmerica Buffalo

List Number: 1

Creator: Wallace, Cameron

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	True	
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.	N/A	
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	IYER
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-89113-1

Client Project/Site: 132 Dingens

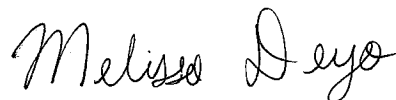
For:

Iyer Environmental Group, LLC

44 Rolling Hills Drive

Orchard Park, New York 14127

Attn: Dr. Dharmarajan R Iyer



Authorized for release by:

10/21/2015 10:00:30 AM

Melissa Deyo, Project Manager I

(716)504-9874

[melissa.deyo@testamericainc.com](mailto:melissa.deyo@testamericainc.com)

### LINKS

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results through

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Have a Question?



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[www.testamericainc.com](http://www.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.

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## Definitions/Glossary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89113-1

### Qualifiers

#### 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.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)

# Case Narrative

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89113-1

**Job ID: 480-89113-1**

**Laboratory: TestAmerica Buffalo**

## Narrative

### Job Narrative 480-89113-1

#### Receipt

The samples were received on 10/14/2015 6:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 13.6° C.

#### Receipt Exceptions

No times of collection were provided. Time of 00:00 was used for sample login.

#### 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.

#### Organic Prep

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

## Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89113-1

### Client Sample ID: LFS-47

### Lab Sample ID: 480-89113-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1248	3.5		0.21	0.041	mg/Kg	1		☼	8082A	Total/NA
PCB-1254	2.1		0.21	0.098	mg/Kg	1		☼	8082A	Total/NA
PCB-1260	0.64		0.21	0.098	mg/Kg	1		☼	8082A	Total/NA
Barium	1.6		1.0	0.10	mg/L	1			6010C	TCLP
Cadmium	0.041		0.0020	0.00050	mg/L	1			6010C	TCLP
Lead	1.4		0.020	0.0030	mg/L	1			6010C	TCLP

### Client Sample ID: LFS-48

### Lab Sample ID: 480-89113-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1248	1.5		0.25	0.049	mg/Kg	1		☼	8082A	Total/NA
Barium	1.6		1.0	0.10	mg/L	1			6010C	TCLP
Cadmium	0.018		0.0020	0.00050	mg/L	1			6010C	TCLP
Lead	1.3		0.020	0.0030	mg/L	1			6010C	TCLP

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89113-1

**Client Sample ID: LFS-47**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89113-1**

**Matrix: Solid**

**Percent Solids: 86.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.21	0.041	mg/Kg	☼	10/16/15 08:13	10/16/15 18:34	1
PCB-1221	ND		0.21	0.041	mg/Kg	☼	10/16/15 08:13	10/16/15 18:34	1
PCB-1232	ND		0.21	0.041	mg/Kg	☼	10/16/15 08:13	10/16/15 18:34	1
PCB-1242	ND		0.21	0.041	mg/Kg	☼	10/16/15 08:13	10/16/15 18:34	1
<b>PCB-1248</b>	<b>3.5</b>		0.21	0.041	mg/Kg	☼	10/16/15 08:13	10/16/15 18:34	1
<b>PCB-1254</b>	<b>2.1</b>		0.21	0.098	mg/Kg	☼	10/16/15 08:13	10/16/15 18:34	1
<b>PCB-1260</b>	<b>0.64</b>		0.21	0.098	mg/Kg	☼	10/16/15 08:13	10/16/15 18:34	1
PCB-1262	ND		0.21	0.098	mg/Kg	☼	10/16/15 08:13	10/16/15 18:34	1
PCB-1268	ND		0.21	0.098	mg/Kg	☼	10/16/15 08:13	10/16/15 18:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	92		60 - 154	10/16/15 08:13	10/16/15 18:34	1
DCB Decachlorobiphenyl	86		65 - 174	10/16/15 08:13	10/16/15 18:34	1

## Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L	—	10/20/15 09:41	10/20/15 17:06	1
<b>Barium</b>	<b>1.6</b>		1.0	0.10	mg/L	—	10/20/15 09:41	10/20/15 17:06	1
<b>Cadmium</b>	<b>0.041</b>		0.0020	0.00050	mg/L	—	10/20/15 09:41	10/20/15 17:06	1
Chromium	ND		0.020	0.010	mg/L	—	10/20/15 09:41	10/20/15 17:06	1
<b>Lead</b>	<b>1.4</b>		0.020	0.0030	mg/L	—	10/20/15 09:41	10/20/15 17:06	1
Selenium	ND		0.025	0.0087	mg/L	—	10/20/15 09:41	10/20/15 17:06	1
Silver	ND		0.0060	0.0017	mg/L	—	10/20/15 09:41	10/20/15 17:06	1

## Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L	—	10/20/15 10:10	10/20/15 13:39	1

**Client Sample ID: LFS-48**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89113-2**

**Matrix: Solid**

**Percent Solids: 83.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.049	mg/Kg	☼	10/16/15 08:15	10/16/15 18:50	1
PCB-1221	ND		0.25	0.049	mg/Kg	☼	10/16/15 08:15	10/16/15 18:50	1
PCB-1232	ND		0.25	0.049	mg/Kg	☼	10/16/15 08:15	10/16/15 18:50	1
PCB-1242	ND		0.25	0.049	mg/Kg	☼	10/16/15 08:15	10/16/15 18:50	1
<b>PCB-1248</b>	<b>1.5</b>		0.25	0.049	mg/Kg	☼	10/16/15 08:15	10/16/15 18:50	1
PCB-1254	ND		0.25	0.12	mg/Kg	☼	10/16/15 08:15	10/16/15 18:50	1
PCB-1260	ND		0.25	0.12	mg/Kg	☼	10/16/15 08:15	10/16/15 18:50	1
PCB-1262	ND		0.25	0.12	mg/Kg	☼	10/16/15 08:15	10/16/15 18:50	1
PCB-1268	ND		0.25	0.12	mg/Kg	☼	10/16/15 08:15	10/16/15 18:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	98		60 - 154	10/16/15 08:15	10/16/15 18:50	1
DCB Decachlorobiphenyl	98		65 - 174	10/16/15 08:15	10/16/15 18:50	1

## Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L	—	10/20/15 09:41	10/20/15 17:09	1

TestAmerica Buffalo



# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89113-1

**Client Sample ID: LFS-48**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89113-2**

**Matrix: Solid**

**Percent Solids: 83.5**

## Method: 6010C - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	1.6		1.0	0.10	mg/L		10/20/15 09:41	10/20/15 17:09	1
Cadmium	0.018		0.0020	0.00050	mg/L		10/20/15 09:41	10/20/15 17:09	1
Chromium	ND		0.020	0.010	mg/L		10/20/15 09:41	10/20/15 17:09	1
Lead	1.3		0.020	0.0030	mg/L		10/20/15 09:41	10/20/15 17:09	1
Selenium	ND		0.025	0.0087	mg/L		10/20/15 09:41	10/20/15 17:09	1
Silver	ND		0.0060	0.0017	mg/L		10/20/15 09:41	10/20/15 17:09	1

## Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/20/15 10:10	10/20/15 13:41	1

# Surrogate Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89113-1

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

Matrix: Solid

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX1 (60-154)	DCB1 (65-174)
480-89113-1	LFS-47	92	86
480-89113-2	LFS-48	98	98
LCS 480-269148/2-A	Lab Control Sample	119	115
MB 480-269148/1-A	Method Blank	100	100

### Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89113-1

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

Lab Sample ID: MB 480-269148/1-A

Matrix: Solid

Analysis Batch: 269215

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 269148

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.19	0.037	mg/Kg		10/16/15 08:13	10/16/15 12:13	1
PCB-1221	ND		0.19	0.037	mg/Kg		10/16/15 08:13	10/16/15 12:13	1
PCB-1232	ND		0.19	0.037	mg/Kg		10/16/15 08:13	10/16/15 12:13	1
PCB-1242	ND		0.19	0.037	mg/Kg		10/16/15 08:13	10/16/15 12:13	1
PCB-1248	ND		0.19	0.037	mg/Kg		10/16/15 08:13	10/16/15 12:13	1
PCB-1254	ND		0.19	0.088	mg/Kg		10/16/15 08:13	10/16/15 12:13	1
PCB-1260	ND		0.19	0.088	mg/Kg		10/16/15 08:13	10/16/15 12:13	1
PCB-1262	ND		0.19	0.088	mg/Kg		10/16/15 08:13	10/16/15 12:13	1
PCB-1268	ND		0.19	0.088	mg/Kg		10/16/15 08:13	10/16/15 12:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	100		60 - 154	10/16/15 08:13	10/16/15 12:13	1
DCB Decachlorobiphenyl	100		65 - 174	10/16/15 08:13	10/16/15 12:13	1

Lab Sample ID: LCS 480-269148/2-A

Matrix: Solid

Analysis Batch: 269215

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 269148

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
PCB-1016	2.28	2.53		mg/Kg		111	51 - 185
PCB-1260	2.28	2.78		mg/Kg		122	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	119		60 - 154
DCB Decachlorobiphenyl	115		65 - 174

## Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-269776/2-A

Matrix: Solid

Analysis Batch: 270032

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 269776

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		10/20/15 09:41	10/20/15 16:59	1
Barium	ND		1.0	0.10	mg/L		10/20/15 09:41	10/20/15 16:59	1
Cadmium	ND		0.0020	0.00050	mg/L		10/20/15 09:41	10/20/15 16:59	1
Chromium	ND		0.020	0.010	mg/L		10/20/15 09:41	10/20/15 16:59	1
Lead	ND		0.020	0.0030	mg/L		10/20/15 09:41	10/20/15 16:59	1
Selenium	ND		0.025	0.0087	mg/L		10/20/15 09:41	10/20/15 16:59	1
Silver	ND		0.0060	0.0017	mg/L		10/20/15 09:41	10/20/15 16:59	1

Lab Sample ID: LCS 480-269776/3-A

Matrix: Solid

Analysis Batch: 270032

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 269776

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Arsenic	1.00	1.03		mg/L		103	80 - 120

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89113-1

## Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 480-269776/3-A  
Matrix: Solid  
Analysis Batch: 270032

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 269776

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	1.00	0.966	J	mg/L		97	80 - 120
Cadmium	1.00	0.983		mg/L		98	80 - 120
Chromium	1.00	0.973		mg/L		97	80 - 120
Lead	1.00	0.975		mg/L		98	80 - 120
Selenium	1.00	1.03		mg/L		103	80 - 120
Silver	1.00	1.03		mg/L		103	80 - 120

Lab Sample ID: LB 480-269556/1-B  
Matrix: Solid  
Analysis Batch: 270032

Client Sample ID: Method Blank  
Prep Type: TCLP  
Prep Batch: 269776

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		10/20/15 09:41	10/20/15 16:55	1
Barium	ND		1.0	0.10	mg/L		10/20/15 09:41	10/20/15 16:55	1
Cadmium	ND		0.0020	0.00050	mg/L		10/20/15 09:41	10/20/15 16:55	1
Chromium	ND		0.020	0.010	mg/L		10/20/15 09:41	10/20/15 16:55	1
Lead	ND		0.020	0.0030	mg/L		10/20/15 09:41	10/20/15 16:55	1
Selenium	0.00870	J	0.025	0.0087	mg/L		10/20/15 09:41	10/20/15 16:55	1
Silver	ND		0.0060	0.0017	mg/L		10/20/15 09:41	10/20/15 16:55	1

## Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-269801/2-A  
Matrix: Solid  
Analysis Batch: 269883

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 269801

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/20/15 10:10	10/20/15 13:35	1

Lab Sample ID: LCS 480-269801/3-A  
Matrix: Solid  
Analysis Batch: 269883

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 269801

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00668	0.00643		mg/L		96	80 - 120

Lab Sample ID: LB 480-269556/1-C  
Matrix: Solid  
Analysis Batch: 269883

Client Sample ID: Method Blank  
Prep Type: TCLP  
Prep Batch: 269801

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/20/15 10:10	10/20/15 13:33	1

TestAmerica Buffalo

# QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89113-1

## GC Semi VOA

### Prep Batch: 269148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89113-1	LFS-47	Total/NA	Solid	3550C	
480-89113-2	LFS-48	Total/NA	Solid	3550C	
LCS 480-269148/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 480-269148/1-A	Method Blank	Total/NA	Solid	3550C	

### Analysis Batch: 269215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89113-1	LFS-47	Total/NA	Solid	8082A	269148
480-89113-2	LFS-48	Total/NA	Solid	8082A	269148
LCS 480-269148/2-A	Lab Control Sample	Total/NA	Solid	8082A	269148
MB 480-269148/1-A	Method Blank	Total/NA	Solid	8082A	269148

## Metals

### Leach Batch: 269556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89113-1	LFS-47	TCLP	Solid	1311	
480-89113-2	LFS-48	TCLP	Solid	1311	
LB 480-269556/1-B	Method Blank	TCLP	Solid	1311	
LB 480-269556/1-C	Method Blank	TCLP	Solid	1311	

### Prep Batch: 269776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89113-1	LFS-47	TCLP	Solid	3010A	269556
480-89113-2	LFS-48	TCLP	Solid	3010A	269556
LB 480-269556/1-B	Method Blank	TCLP	Solid	3010A	269556
LCS 480-269776/3-A	Lab Control Sample	Total/NA	Solid	3010A	
MB 480-269776/2-A	Method Blank	Total/NA	Solid	3010A	

### Prep Batch: 269801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89113-1	LFS-47	TCLP	Solid	7470A	269556
480-89113-2	LFS-48	TCLP	Solid	7470A	269556
LB 480-269556/1-C	Method Blank	TCLP	Solid	7470A	269556
LCS 480-269801/3-A	Lab Control Sample	Total/NA	Solid	7470A	
MB 480-269801/2-A	Method Blank	Total/NA	Solid	7470A	

### Analysis Batch: 269883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89113-1	LFS-47	TCLP	Solid	7470A	269801
480-89113-2	LFS-48	TCLP	Solid	7470A	269801
LB 480-269556/1-C	Method Blank	TCLP	Solid	7470A	269801
LCS 480-269801/3-A	Lab Control Sample	Total/NA	Solid	7470A	269801
MB 480-269801/2-A	Method Blank	Total/NA	Solid	7470A	269801

### Analysis Batch: 270032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89113-1	LFS-47	TCLP	Solid	6010C	269776
480-89113-2	LFS-48	TCLP	Solid	6010C	269776
LB 480-269556/1-B	Method Blank	TCLP	Solid	6010C	269776

TestAmerica Buffalo

## QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89113-1

### Metals (Continued)

#### Analysis Batch: 270032 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-269776/3-A	Lab Control Sample	Total/NA	Solid	6010C	269776
MB 480-269776/2-A	Method Blank	Total/NA	Solid	6010C	269776

### General Chemistry

#### Analysis Batch: 268855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89113-1	LFS-47	Total/NA	Solid	Moisture	
480-89113-2	LFS-48	Total/NA	Solid	Moisture	

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-89113-1

**Client Sample ID: LFS-47**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89113-1**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			269556	10/19/15 08:35	JLS	TAL BUF
TCLP	Prep	3010A			269776	10/20/15 09:41	KJ1	TAL BUF
TCLP	Analysis	6010C		1	270032	10/20/15 17:06	AMH	TAL BUF
TCLP	Leach	1311			269556	10/19/15 08:35	JLS	TAL BUF
TCLP	Prep	7470A			269801	10/20/15 10:10	TAS	TAL BUF
TCLP	Analysis	7470A		1	269883	10/20/15 13:39	TAS	TAL BUF
Total/NA	Analysis	Moisture		1	268855	10/14/15 22:10	CMK	TAL BUF

**Client Sample ID: LFS-47**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89113-1**

**Matrix: Solid**

**Percent Solids: 86.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			269148	10/16/15 08:13	JLS	TAL BUF
Total/NA	Analysis	8082A		1	269215	10/16/15 18:34	KS	TAL BUF

**Client Sample ID: LFS-48**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89113-2**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			269556	10/19/15 08:35	JLS	TAL BUF
TCLP	Prep	3010A			269776	10/20/15 09:41	KJ1	TAL BUF
TCLP	Analysis	6010C		1	270032	10/20/15 17:09	AMH	TAL BUF
TCLP	Leach	1311			269556	10/19/15 08:35	JLS	TAL BUF
TCLP	Prep	7470A			269801	10/20/15 10:10	TAS	TAL BUF
TCLP	Analysis	7470A		1	269883	10/20/15 13:41	TAS	TAL BUF
Total/NA	Analysis	Moisture		1	268855	10/14/15 22:10	CMK	TAL BUF

**Client Sample ID: LFS-48**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89113-2**

**Matrix: Solid**

**Percent Solids: 83.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			269148	10/16/15 08:15	JLS	TAL BUF
Total/NA	Analysis	8082A		1	269215	10/16/15 18:50	KS	TAL BUF

## Laboratory References:

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

TestAmerica Buffalo



# Certification Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89113-1

## 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	03-31-16

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

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

## Method Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89113-1

Method	Method Description	Protocol	Laboratory
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	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

## Sample Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89113-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-89113-1	LFS-47	Solid	10/14/15 00:00	10/14/15 18:00
480-89113-2	LFS-48	Solid	10/14/15 00:00	10/14/15 18:00

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# TestAmerica

## THE LEADER IN ENVIRONMENTAL TESTING

Drinking Water? Yes ☐ No ☒

Client Iyer Environmental Group	Project Manager Dharma Iyer		Chain of Custody Number 282451	
Address 44 Rolling Hills Dr	Telephone Number (Area Code)/Fax Number (716) 662-4157	Date Oct 4, 2015		Lab Number 1 of 1
City Orchard Park	State NY	Zip Code 14127		
Project Name and Location (State) 132 Dingers St (NY)	Site Contact R. Allen	Lab Contact M. Deyo	Analysis (Attach list if more space is needed)	
Contract/Purchase Order/Quote No.	Carrier/Waybill Number		Special Instructions/ Conditions of Receipt	

*Special Instructions/  
Conditions of Receipt*

Category A

480-89113 Chain of Custody

(A fee may be assessed if samples are retained longer than 1 month)

[illegible]

Time 1800 Time

Time

Time

Comments

Temp 13.6# | water=

**DISTRIBUTION:** WHITE - Returned to Client with Report: CANARY - Stays with the Sample: PINK - Field Copy

## Login Sample Receipt Checklist

Client: Iyer Environmental Group, LLC

Job Number: 480-89113-1

Login Number: 89113

List Number: 1

Creator: Kolb, Chris M

List Source: TestAmerica Buffalo

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.	False	
Cooler Temperature is acceptable.	True	Yes: Received same day of collection
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.	False	Refer to job narrative for details
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.	False	Refer to job narrative for details
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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
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	IYER ENV.
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-89232-1

Client Project/Site: 132 Dingens

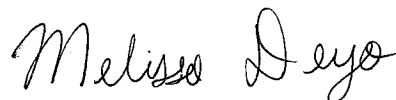
For:

Iyer Environmental Group, LLC

44 Rolling Hills Drive

Orchard Park, New York 14127

Attn: Dr. Dharmarajan R Iyer



Authorized for release by:

10/21/2015 10:03:27 AM

Melissa Deyo, Project Manager I

(716)504-9874

[melissa.deyo@testamericainc.com](mailto:melissa.deyo@testamericainc.com)

### LINKS

Review your project  
results through

**TotalAccess**

Have a Question?



Visit us at:

[www.testamericainc.com](http://www.testamericainc.com)

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*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.*

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## Definitions/Glossary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89232-1

### Qualifiers

#### 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.

#### 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.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)

## Case Narrative

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89232-1

**Job ID: 480-89232-1**

**Laboratory: TestAmerica Buffalo**

### Narrative

#### Job Narrative 480-89232-1

#### Receipt

The sample was received on 10/15/2015 3:35 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 17.5° C.

#### 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.

#### Organic Prep

Method(s) 1311: Insufficient sample was provided to perform the leaching procedure with the required 100g for the following sample: LFS-41-T (480-89232-1). The volume of leaching fluid was adjusted proportionally to maintain a 20:1 ratio of leaching fluid to weight of sample. Reporting limits (RLs) are not affected.

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

## Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89232-1

Client Sample ID: LFS-41-T

Lab Sample ID: 480-89232-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1248	3.9		0.23	0.045	mg/Kg	1		☼	8082A	Total/NA
PCB-1260	0.15	J	0.23	0.11	mg/Kg	1		☼	8082A	Total/NA
Barium	0.95	J	1.0	0.10	mg/L	1			6010C	TCLP
Cadmium	0.017		0.0020	0.00050	mg/L	1			6010C	TCLP
Chromium	0.097		0.020	0.010	mg/L	1			6010C	TCLP
Lead	0.29		0.020	0.0030	mg/L	1			6010C	TCLP

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89232-1

**Client Sample ID: LFS-41-T**

**Date Collected: 10/15/15 00:00**

**Date Received: 10/15/15 15:35**

**Lab Sample ID: 480-89232-1**

**Matrix: Solid**

**Percent Solids: 83.9**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.23	0.045	mg/Kg	☼	10/16/15 08:13	10/16/15 16:43	1
PCB-1221	ND		0.23	0.045	mg/Kg	☼	10/16/15 08:13	10/16/15 16:43	1
PCB-1232	ND		0.23	0.045	mg/Kg	☼	10/16/15 08:13	10/16/15 16:43	1
PCB-1242	ND		0.23	0.045	mg/Kg	☼	10/16/15 08:13	10/16/15 16:43	1
<b>PCB-1248</b>	<b>3.9</b>		0.23	0.045	mg/Kg	☼	10/16/15 08:13	10/16/15 16:43	1
PCB-1254	ND		0.23	0.11	mg/Kg	☼	10/16/15 08:13	10/16/15 16:43	1
<b>PCB-1260</b>	<b>0.15</b>	<b>J</b>	0.23	0.11	mg/Kg	☼	10/16/15 08:13	10/16/15 16:43	1
PCB-1262	ND		0.23	0.11	mg/Kg	☼	10/16/15 08:13	10/16/15 16:43	1
PCB-1268	ND		0.23	0.11	mg/Kg	☼	10/16/15 08:13	10/16/15 16:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	94		60 - 154				10/16/15 08:13	10/16/15 16:43	1
DCB Decachlorobiphenyl	92		65 - 174				10/16/15 08:13	10/16/15 16:43	1

## Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		10/20/15 09:41	10/20/15 18:09	1
<b>Barium</b>	<b>0.95</b>	<b>J</b>	1.0	0.10	mg/L		10/20/15 09:41	10/20/15 18:09	1
<b>Cadmium</b>	<b>0.017</b>		0.0020	0.00050	mg/L		10/20/15 09:41	10/20/15 18:09	1
<b>Chromium</b>	<b>0.097</b>		0.020	0.010	mg/L		10/20/15 09:41	10/20/15 18:09	1
<b>Lead</b>	<b>0.29</b>		0.020	0.0030	mg/L		10/20/15 09:41	10/20/15 18:09	1
Selenium	ND		0.025	0.0087	mg/L		10/20/15 09:41	10/20/15 18:09	1
Silver	ND		0.0060	0.0017	mg/L		10/20/15 09:41	10/20/15 18:09	1

## Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/20/15 10:10	10/20/15 14:04	1

TestAmerica Buffalo

# Surrogate Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89232-1

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

Matrix: Solid

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX1 (60-154)	DCB1 (65-174)
480-89232-1	LFS-41-T	94	92
LCS 480-269148/2-A	Lab Control Sample	119	115
MB 480-269148/1-A	Method Blank	100	100

### Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89232-1

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

Lab Sample ID: MB 480-269148/1-A

Matrix: Solid

Analysis Batch: 269215

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 269148

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.19	0.037	mg/Kg		10/16/15 08:13	10/16/15 12:13	1
PCB-1221	ND		0.19	0.037	mg/Kg		10/16/15 08:13	10/16/15 12:13	1
PCB-1232	ND		0.19	0.037	mg/Kg		10/16/15 08:13	10/16/15 12:13	1
PCB-1242	ND		0.19	0.037	mg/Kg		10/16/15 08:13	10/16/15 12:13	1
PCB-1248	ND		0.19	0.037	mg/Kg		10/16/15 08:13	10/16/15 12:13	1
PCB-1254	ND		0.19	0.088	mg/Kg		10/16/15 08:13	10/16/15 12:13	1
PCB-1260	ND		0.19	0.088	mg/Kg		10/16/15 08:13	10/16/15 12:13	1
PCB-1262	ND		0.19	0.088	mg/Kg		10/16/15 08:13	10/16/15 12:13	1
PCB-1268	ND		0.19	0.088	mg/Kg		10/16/15 08:13	10/16/15 12:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	100		60 - 154	10/16/15 08:13	10/16/15 12:13	1
DCB Decachlorobiphenyl	100		65 - 174	10/16/15 08:13	10/16/15 12:13	1

Lab Sample ID: LCS 480-269148/2-A

Matrix: Solid

Analysis Batch: 269215

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 269148

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
PCB-1016	2.28	2.53		mg/Kg		111	51 - 185
PCB-1260	2.28	2.78		mg/Kg		122	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	119		60 - 154
DCB Decachlorobiphenyl	115		65 - 174

## Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-269776/2-A

Matrix: Solid

Analysis Batch: 270032

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 269776

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		10/20/15 09:41	10/20/15 16:59	1
Barium	ND		1.0	0.10	mg/L		10/20/15 09:41	10/20/15 16:59	1
Cadmium	ND		0.0020	0.00050	mg/L		10/20/15 09:41	10/20/15 16:59	1
Chromium	ND		0.020	0.010	mg/L		10/20/15 09:41	10/20/15 16:59	1
Lead	ND		0.020	0.0030	mg/L		10/20/15 09:41	10/20/15 16:59	1
Selenium	ND		0.025	0.0087	mg/L		10/20/15 09:41	10/20/15 16:59	1
Silver	ND		0.0060	0.0017	mg/L		10/20/15 09:41	10/20/15 16:59	1

Lab Sample ID: LCS 480-269776/3-A

Matrix: Solid

Analysis Batch: 270032

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 269776

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Arsenic	1.00	1.03		mg/L		103	80 - 120

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89232-1

## Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 480-269776/3-A  
Matrix: Solid  
Analysis Batch: 270032

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 269776

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	1.00	0.966	J	mg/L		97	80 - 120
Cadmium	1.00	0.983		mg/L		98	80 - 120
Chromium	1.00	0.973		mg/L		97	80 - 120
Lead	1.00	0.975		mg/L		98	80 - 120
Selenium	1.00	1.03		mg/L		103	80 - 120
Silver	1.00	1.03		mg/L		103	80 - 120

Lab Sample ID: LB 480-269556/1-B  
Matrix: Solid  
Analysis Batch: 270032

Client Sample ID: Method Blank  
Prep Type: TCLP  
Prep Batch: 269776

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		10/20/15 09:41	10/20/15 16:55	1
Barium	ND		1.0	0.10	mg/L		10/20/15 09:41	10/20/15 16:55	1
Cadmium	ND		0.0020	0.00050	mg/L		10/20/15 09:41	10/20/15 16:55	1
Chromium	ND		0.020	0.010	mg/L		10/20/15 09:41	10/20/15 16:55	1
Lead	ND		0.020	0.0030	mg/L		10/20/15 09:41	10/20/15 16:55	1
Selenium	0.00870	J	0.025	0.0087	mg/L		10/20/15 09:41	10/20/15 16:55	1
Silver	ND		0.0060	0.0017	mg/L		10/20/15 09:41	10/20/15 16:55	1

## Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-269801/2-A  
Matrix: Solid  
Analysis Batch: 269883

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 269801

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/20/15 10:10	10/20/15 13:35	1

Lab Sample ID: LCS 480-269801/3-A  
Matrix: Solid  
Analysis Batch: 269883

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 269801

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00668	0.00643		mg/L		96	80 - 120

Lab Sample ID: LB 480-269556/1-C  
Matrix: Solid  
Analysis Batch: 269883

Client Sample ID: Method Blank  
Prep Type: TCLP  
Prep Batch: 269801

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/20/15 10:10	10/20/15 13:33	1

TestAmerica Buffalo



# QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89232-1

## GC Semi VOA

### Prep Batch: 269148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89232-1	LFS-41-T	Total/NA	Solid	3550C	
LCS 480-269148/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 480-269148/1-A	Method Blank	Total/NA	Solid	3550C	

### Analysis Batch: 269215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89232-1	LFS-41-T	Total/NA	Solid	8082A	269148
LCS 480-269148/2-A	Lab Control Sample	Total/NA	Solid	8082A	269148
MB 480-269148/1-A	Method Blank	Total/NA	Solid	8082A	269148

## Metals

### Leach Batch: 269556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89232-1	LFS-41-T	TCLP	Solid	1311	
LB 480-269556/1-B	Method Blank	TCLP	Solid	1311	
LB 480-269556/1-C	Method Blank	TCLP	Solid	1311	

### Prep Batch: 269776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89232-1	LFS-41-T	TCLP	Solid	3010A	269556
LB 480-269556/1-B	Method Blank	TCLP	Solid	3010A	269556
LCS 480-269776/3-A	Lab Control Sample	Total/NA	Solid	3010A	
MB 480-269776/2-A	Method Blank	Total/NA	Solid	3010A	

### Prep Batch: 269801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89232-1	LFS-41-T	TCLP	Solid	7470A	269556
LB 480-269556/1-C	Method Blank	TCLP	Solid	7470A	269556
LCS 480-269801/3-A	Lab Control Sample	Total/NA	Solid	7470A	
MB 480-269801/2-A	Method Blank	Total/NA	Solid	7470A	

### Analysis Batch: 269883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89232-1	LFS-41-T	TCLP	Solid	7470A	269801
LB 480-269556/1-C	Method Blank	TCLP	Solid	7470A	269801
LCS 480-269801/3-A	Lab Control Sample	Total/NA	Solid	7470A	269801
MB 480-269801/2-A	Method Blank	Total/NA	Solid	7470A	269801

### Analysis Batch: 270032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89232-1	LFS-41-T	TCLP	Solid	6010C	269776
LB 480-269556/1-B	Method Blank	TCLP	Solid	6010C	269776
LCS 480-269776/3-A	Lab Control Sample	Total/NA	Solid	6010C	269776
MB 480-269776/2-A	Method Blank	Total/NA	Solid	6010C	269776

## QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-89232-1

### General Chemistry

Analysis Batch: 269106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89232-1	LFS-41-T	Total/NA	Solid	Moisture	

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-89232-1

**Client Sample ID: LFS-41-T**

**Date Collected: 10/15/15 00:00**

**Date Received: 10/15/15 15:35**

**Lab Sample ID: 480-89232-1**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			269556	10/19/15 08:35	JLS	TAL BUF
TCLP	Prep	3010A			269776	10/20/15 09:41	KJ1	TAL BUF
TCLP	Analysis	6010C		1	270032	10/20/15 18:09	AMH	TAL BUF
TCLP	Leach	1311			269556	10/19/15 08:35	JLS	TAL BUF
TCLP	Prep	7470A			269801	10/20/15 10:10	TAS	TAL BUF
TCLP	Analysis	7470A		1	269883	10/20/15 14:04	TAS	TAL BUF
Total/NA	Analysis	Moisture		1	269106	10/15/15 21:56	CMK	TAL BUF

**Client Sample ID: LFS-41-T**

**Date Collected: 10/15/15 00:00**

**Date Received: 10/15/15 15:35**

**Lab Sample ID: 480-89232-1**

**Matrix: Solid**

**Percent Solids: 83.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			269148	10/16/15 08:13	JLS	TAL BUF
Total/NA	Analysis	8082A		1	269215	10/16/15 16:43	KS	TAL BUF

## Laboratory References:

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

## Certification Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89232-1

### 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	03-31-16

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

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

## Method Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89232-1

Method	Method Description	Protocol	Laboratory
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	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

## Sample Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89232-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-89232-1	LFS-41-T	Solid	10/15/15 00:00	10/15/15 15:35

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

# TestAmerica

## THE LEADER IN ENVIRONMENTAL TESTING

Drinking Water? Yes ☐ No ☒[illegible]Special Instructions/  
Conditions of Receipt

### Category A



480-89232 Chain of Custody

(A fee may be assessed if samples are retained longer than 1 month)

☒ Disposal By Lab ☐ Archive For

☐ *Return To Client*

**QC Requirements (Specify)**

1. Relinquished By	Richard C Allen Jr	Date	10/15/15	Time	1535	1. Received By	Richard C Allen Jr	Date	10/15/15	Time	1535
2. Relinquished By		Date		Time		2. Received By		Date		Time	

3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments	175c, no 100 \$
DISTRIBUTION: WHITE. Returned to Client with Report: CANADIAN Service with the Sample: DIMV. Field Copy.	

**DISTRIBUTION:** WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy



## Login Sample Receipt Checklist

Client: Iyer Environmental Group, LLC

Job Number: 480-89232-1

**Login Number: 89232**

**List Source: TestAmerica Buffalo**

**List Number: 1**

**Creator: Kinecki, Kenneth P**

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.	False	
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.	False	No time
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	
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	IYER
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	

# **APPENDIX G**

## **REMAINING SOIL CONTAMINATION TABLES**

**TABLE G-1A**  
**132 DINGENS STREET - BCP RI/RA**  
**REMAINING CONTAMINATION BELOW PETLs AND CSCOs**  
**PHASE II ESA (2011) TEST PIT SOIL SAMPLES**  
(SAMPLED 12/19/11 DURING PHASE II)

SAMPLE ID/ LOCATION	PETLs or CSCOs	TS-1	TS-2	TS-3	TS-6	TS-7
		eastern section			northern section	
DEPTH INTERVAL (ft)		0' - 4'	0' - 4'	0' - 4'	0' - 0.5'	0' - 6'
Percent Solids (%)		56.5	70.5	90.3	75.3	74.2
<b>SEMIVOLATILE ORGANICS (SVOCs, ug/Kg)</b>						
2-Methylnaphthalene	--			14	NA	
Anthracene						650
Benzo(a)anthracene		830	140	60		1,900
Benzo(a)pyrene		1,300	170	170		2,400
Benzo(b)fluoranthene		1,400	190	240		2,500
Benzo(k)fluoranthene		730		88		1,100
Benzo(g,h,i)perylene		720		200		1,800
Bis(2-ethylhexyl) phthalate			1,300			
Carbazole		120				
Chrysene		1,100	200	82		2,100
Dibenz(a,h)anthracene				71		520
Fluoranthene		1,600	180	39		3,800
Indeno(1,2,3-cd)pyrene		750		170		1,500
Phenanthrene		740	88	31		3,100
Pyrene		1,500		35		3,200
<b>TOTAL SVOCs</b>	<b>500,000</b>	10,790	2,268	1,200		24,570
<b>PCBs (ug/Kg)</b>	<b>1,000</b>	NA	NA	NA	NA	ND
<b>ASBESTOS</b>	<b>--</b>	NA	NA	NA	NA	ND

**TABLE G-1A**  
**132 DINGENS STREET - BCP RI/RA**  
**REMAINING CONTAMINATION BELOW PETLs AND CSCOs**  
**PHASE II ESA (2011) TEST PIT SOIL SAMPLES**  
(SAMPLED 12/19/11 DURING PHASE II)

SAMPLE ID/ LOCATION	PETLs or CSCOs	TS-1	TS-2	TS-3	TS-6	TS-7
		eastern section			northern section	
DEPTH INTERVAL (ft)		0' - 4'	0' - 4'	0' - 4'	0' - 0.5'	0' - 6'
Percent Solids (%)		56.5	70.5	90.3	75.3	74.2
<b>METALS (mg/Kg)</b>						
Aluminum	--	12,700	7,200	1,190	13,600	6,010
Antimony	--	9.6	3.3			4.1
Mercury	<b>5.7</b>	0.6	0.4		0.1	2.3
Arsenic	<b>71</b>	25.3	15.0	1.5	5.1	20.4
Barium	<i>400</i>	<b>1,270</b>	376	7	80	<b>1,500</b>
Beryllium	<i>590</i>	1.0	0.8	0.1	0.6	0.6
Cadmium	<i>9.3</i>	2.2	1.1	0.0	0.4	2.9
Calcium	--	12,600	11,100	769	16,400	25,600
Chromium	<i>1,500</i>	50.7	20.5	2.6	45.5	17.3
Cobalt	--	7.7	8.0	0.2	7.1	6.7
Copper	<i>270</i>	382	106	16	18	124
Iron	--	47,000	16,200	4,060	22,300	21,300
Lead	<b>5,000</b>	4,160	2,970	6.5	41	1,030
Magnesium	--	2,230	771	157	3,280	3,450
Manganese	<i>10,000</i>	254	426	61	1,080	334
Nickel	<i>310</i>	23	20	2	17	17
Potassium	--	1,240	772	93	1,620	799
Selenium	<i>1,500</i>	4.0	0.8		1.7	1.2
Silver	<i>1,500</i>	4.4	0.3			0.4
Sodium	--	369	312	32	78	275
Thallium	--				1.1	
Vanadium	--	41.0	30.7	1.3	37.9	24.5
Zinc	<i>10,000</i>	2,600	525	11	133	2,980

- Note: 1. "ND" = Not Detected; "NA" = Not Analyzed; Sample interval based on observed soil layers  
2. Only detected organic compounds are listed; All metals analyzed are listed; Blank cells indicate non-detect  
3. CSCOs are listed in italics ; PETLs are listed in bold; Compounds exceeding CSCOs or PETLs are shown in bold numbers  
4. Table of sample coordinates is in this appendix, and location figure is in this report  
5. CSCO = Commercial Soil Cleanup Objective; PETL = Proposed Excavation Threshold Limit

**TABLE G-1B**  
**132 DINGENS STREET - BCP REMEDIATION**  
**REMAINING CONTAMINATION BELOW PETLs AND CSCOs**  
**PHASE II ESA (2011) GEOPROBE SOIL SAMPLES**  
(SAMPLED 12/16/11 DURING PHASE II)

SAMPLE ID/ LOCATION	PETLs or CSCOs	GS#1	GS#2	GS#3	GS#7	GS#8	GS#9	GS#10	GS#11	GS#12	GS#13	GS#14	GS#16
		southwest area			refr. bldg.	northwest area			north corner	eastern section			
DEPTH INTERVAL (ft)		0 - 4	4 - 8	4 - 8	8 - 12	4 - 8	8 - 12	4 - 8	4 - 8	4 - 8	8 - 12	4 - 8	8 - 12
Percent Solids (%)		76.6	84.3	78.6	86.3	62.0	67.1	72.3	59.2	41.5	60.1	84.0	68.7
<b>VOLATILE ORGANICS (VOCs, ug/Kg)</b>													
Acetone	500,000	NA	48	NA	28	NA	160	NA	NA	460	NA	33	100
Methylene chloride	500,000		3.5		4.8								
Cyclohexane	--				1.7					27		6.1	
Benzene	45,000									5			
Toluene	500,000									1.3		0.58	
Ethylbenzene	390,000									20		2.1	
Total Xylenes	500,000									89		3.2	
2-Butanone (MEK)	500,000		11		6.1		25			120		8.2	23
Methylcyclohexane	--									150		22	
Methylene Chloride	500,000									9.7			
Isopropylbenzene	500,000									150		20	
<b>TOTAL BTEX</b>			0		0		0			115		6	0
<b>TOTAL VOCs</b>			63		41		185			1,032		95	123
<b>SEMIVOLATILE ORGANICS (SVOCs, ug/Kg)</b>													
Naphthalene	--		25	ND	NA			NA					
2-Methylnaphthalene										82,000		470	41
Anthracene						2,200	230		47	5,300	51		140
Acenaphthene						920				3,900			110
Acenaphthylene										4,400			42
Acetophenone										3,500			
Benzo(a)anthracene		13	84			3,900	520		240	13,000	120	470	250
Benzo(a)pyrene			89			4,800	580		320	13,000	120	440	300
Benzo(b)fluoranthene		21	120			4,900	660		300	15,000	140	690	400
Benzo(k)fluoranthene			40			2,300	360		140	6,600	83	270	120
Benzo(g,h,i)perylene		19	76			3,200			190	5,900	98	400	190
Bis(2-ethylhexyl) phthalate									210		180		
Carbazole						710			30	1,200	23		85
Chrysene		19	88			3,600	540		220	14,000	120	290	260
Dibenzofuran						880							
Dibenz(a,h)anthracene									58	2,800	30		51
Fluoranthene		15	200			9,600	1,100		410	27,000	250	740	690
Fluorene						940				7,800	33	400	100
Indeno(1,2,3-cd)pyrene		14	58			2,600	270		170	5,600	82		160
Naphthalene										8,100			56
Phenanthrene						8,000	730		230	24,000	190	900	450
Pyrene			180			8,300	890		360	18,000	200	570	520
<b>TOTAL SVOCs</b>	<b>500,000</b>	<b>101</b>	<b>960</b>	<b>0</b>		<b>56,850</b>	<b>5,880</b>		<b>2,925</b>	<b>261,100</b>	<b>1,720</b>	<b>5,640</b>	<b>3,965</b>

**TABLE G-1B**  
**132 DINGENS STREET - BCP REMEDIATION**  
**REMAINING CONTAMINATION BELOW PETLs AND CSCOs**  
**PHASE II ESA (2011) GEOPROBE SOIL SAMPLES**  
(SAMPLED 12/16/11 DURING PHASE II)

SAMPLE ID/ LOCATION	PETLs or CSCOs	GS#1	GS#2	GS#3	GS#7	GS#8	GS#9	GS#10	GS#11	GS#12	GS#13	GS#14	GS#16
		southwest area			refr. bldg.	northwest area			north corner	eastern section			
DEPTH INTERVAL (ft)		0 - 4	4 - 8	4 - 8	8 - 12	4 - 8	8 - 12	4 - 8	4 - 8	4 - 8	8 - 12	4 - 8	8 - 12
Percent Solids (%)		76.6	84.3	78.6	86.3	62.0	67.1	72.3	59.2	41.5	60.1	84.0	68.7
<b>METALS (mg/Kg)</b>													
Aluminum	--	6400	NA	4570	NA	5260	4890	6880	6910	5810	NA	NA	NA
Antimony	--	1.6					2.7	1.8		2.4			
Mercury	<b>5.7</b>	0.05		0.02		0.05	1.80	0.36	0.12	1.30			
Arsenic	<b>71</b>	15		14.1		8.5	36.7	21.4	20.5	34.4			
Barium	<i>400</i>	352		90.3		162	<b>736</b>	202	234	<b>1890</b>			
Beryllium	<i>590</i>	0.98		0.52		0.54	0.59	0.72	0.81	0.7			
Cadmium	9.3	0.43		0.29		0.52	3.3	0.98	0.63	3.2			
Calcium	--	8510		3190		4310	19200	7490	7360	34600			
Chromium	<i>1,500</i>	12.4		12		9.9	52.7	16.9	10.8	55.3			
Cobalt	--	6.4		10.4		5	6.6	6.5	7.5	9.9			
Copper	<i>270</i>	63.8		139		45.7	143	137	<b>350</b>	111			
Iron	--	32800		87400		9680	51300	21700	9600	51100			
Lead	<b>5,000</b>	549		124		417	2470	641	1220	2440			
Magnesium	--	626		273		577	3280	2180	556	3480			
Manganese	<i>10,000</i>	280		697		88.1	453	298	168	566			
Nickel	<i>310</i>	17.5		21.7		13.6	20.2	25.1	24	18.9			
Potassium	--	770		460		757	902	803	971	1190			
Selenium	<i>1,500</i>	0.8		2.3		ND	5.1	2.4	1.4	2.8			
Silver	<i>1,500</i>			0.3		0.33	0.69	ND	ND	11			
Sodium	--	411		201		371	860	160	551	1710			
Vanadium	--	23.6		28.2		26.5	20.3	29.8	31.3	18.6			
Zinc	<i>10,000</i>	276		282		196	1450	470	318	1600			

- Note: 1. "ND" = Not Detected; "NA" = Not Analyzed; Sample interval based on observed soil layers  
2. Only detected organic compounds are listed; All metals analyzed are listed; Blank cells indicate non-detect  
3. CSCOs are listed in italics ; PETLs are listed in bold; Compounds exceeding CSCOs or PETLs are shown in bold numbers  
4. Table of sample coordinates is in this appendix, and location figure is in this report  
5. CSCO = Commercial Soil Cleanup Objective; PETL = Proposed Excavation Threshold Limit

**TABLE G-2A**  
**132 DINGENS STREET - BCP REMEDIATION**  
**REMAINING CONTAMINATION BELOW PETLS AND CSCOs**  
**RI TEST PIT SOIL SAMPLES**  
(SAMPLED 9/25/12 DURING RI)

SAMPLE ID/ LOCATION	PETLS or CSCOs	TS#8	TS#8	TS#8	TS#9	TS#9	TS#10	TS#10	TS#10	TS#11	TS#11	TS#11	TS#12	TS#12	TS#12
		East End					East End					North Center			
VOLATILE ORGANICS (ug/Kg)															
DEPTH INTERVAL (ft)		NA	0' - 2'	NA	NA	NA	NA	NA	NA	NA	1' - 4'	NA	NA	NA	NA
Percent Solids (%)			72.5								75.3				
Trichloroethene	21,000		2.4 J								2.5 J				
PESTICIDES (ug/Kg)															
DEPTH INTERVAL (ft)		0	2		0	2 - 8	0	NA	NA	0	1 - 4	5 - 8	0	0 - 2	2 - 8
Percent Solids (%)		71.6	72.5		72.9	82 8	63.8			73.7	75.3	89.9	90.7	79.4	83.1
4,4'-DDE	62,000			NA						330 J	100 J	76 J			
4,4'-DDT	47,000				46 J		78 J				160 J		74 J	86 J	
Dieldrin	1,400										73 J	82 J			
Endosulfan II	200,000						24 J								
Endrin	89,000	33 J			31 J	27 J									11 J
gamma-Chlordane	9,200										140 J				
Methoxychlor	--					72 J									
TOTAL PEST		33	ND		77	27	174			330	473	158	74	86	11
PCBs (ug/Kg)															
DEPTH INTERVAL (ft)		0	2		0	2 - 8	0	NA	NA	0	1 - 4	5 - 8	0	0 - 2	2 - 8
Percent Solids (%)		71.6	72.5		72.9	82 8	63.8			73.7	75.3	89.9	90.7	79.4	83.1
Aroclor 1242	--		280 J	NA			79 J								
Aroclor 1248															
Aroclor 1254															
Aroclor 1260							250			710					
TOTAL PCBs	1,000	ND	280		ND	ND	79			ND	250	710	ND	ND	ND



**TABLE G-2A**  
**132 DINGENS STREET - BCP REMEDIATION**  
**REMAINING CONTAMINATION BELOW PETLS AND CSCOs**  
**RI TEST PIT SOIL SAMPLES**  
(SAMPLED 9/25/12 DURING RI)

SAMPLE ID/ LOCATION	PETLS or CSCOs	TS#8	TS#8	TS#8	TS#9	TS#9	TS#10	TS#10	TS#10	TS#11	TS#11	TS#11	TS#12	TS#12	TS#12
		East End					East End					North Center			
SEMIVOLATILE ORGANICS (ug/Kg)															
DEPTH INTERVAL (ft)		0	2	6 - 7	0	2 - 8	0	2 - 4	4 - 7	0	1 - 4	5 - 8	0	0 - 2	2 - 8
Percent Solids (%)	--	71.6	72.5	74.5	72.9	82.8	63.8	68.2	88.7	73.7	75.3	89.9	90.7	79.4	83.1
Biphenyl	--			45 J				22 J			22 J		310 J	210 J	
2-Methylnaphthalene		94 J	100 J	120 J	47 J		160 J	89 J	83 J		68 J	50 J	410 J	680 J	
3 & 4-Methylphenol															
Acenaphthene		230 J	270 J	63 J			430 J			2200 J	140 J	110 J	1100 J	1100 J	
Acenaphthylene			52 J		43 J						53 J		240 J		
Acetophenone															
Anthracene		700 J	1200	85 J	260 J	110 J	1200 J	55 J		6000 J	440	280 J	3200 J	3200	
Benzaldehyde															
Benzo(a)anthracene		3000	3600	160 J	2400	300 J	5400	470 J	78 J	26000	1500	1500	9600	6900	80 J
Benzo(a)pyrene		3100	3200	120 J	1900	280 J	5500	400 J	53 J	31000	1500	1700	8000	5900	81 J
Benzo(b)fluoranthene		3400	3300	130 J	2600	400 J	6700	620	75 J	36000	2000	2400	9000	5800	120 J
Benzo(g,h,i)perylene		1700	2100	94 J	970	240 J	4100	230 J	31 J	25000	1300	1500	4800	2300 J	85 J
Benzo(k)fluoranthene		3600	2700	130 J	1800	270 J	4500	570	84 J	28000	1200	1500	7700	5300	92 J
Bis(2-ethylhexyl) phthalate		200 J			64 J		560 J	44 J	35 J		140 J	160 J			
Butyl benzyl phthalate											30 J				
Carbazole		280 J	370 J				650 J	40 J		4600 J	230 J	110 J	1600 J	1500 J	
Chrysene		3200	3900	180 J	2300	340 J	6000	690	120 J	31000	1500	1800	9600	6700	100
Dibenz(a,h)anthracene		630 J	730 J		410 J	97 J	1400 J	110 J	14 J	6500 J	550	390 J	1600 J	1100 J	30 J
Dibenzofuran		170 J	240 J	120 J		46 J	290 J	57 J	25 J	1100 J	110 J	57 J	1100 J	1200 J	
Di-n-butyl phthalate		42 J						43 J			43 J	55 J			
Fluoranthene		4300	5900	290 J	4100	490 J	8500	430 J	43 J	48000	2100	1900	15000	11000	74 J
Fluorene		340 J	480 J	100 J	62 J	45 J	450 J	23 J		2100 J	220 J	86 J	1600 J	1600 J	
Indeno(1,2,3-cd)pyrene		1600	1800	77 J	950	200 J	3700	210 J	26 J	20000	1100	1200	4600	3100	81 J
Naphthalene		110 J	140 J	180 J	32 J		340 J	120 J	40 J	600 J	100 J	57 J	840 J	1900 J	
Phenanthrene		3200	4900	340 J	880	390 J	5000	350 J	120 J	30000	1800	1300	15000	13000	56 J
Pyrene		6500	9200	500 J	5800	620 J	11000	840	100 J	74000	3200	4100	26000	16000	150 J
TOTAL SVOCs	500,000	36,396	44,182	2,734	24,618	3,828	65,880	5,413	927	372,100	19,346	20,255	121,300	88,490	949

**TABLE G-2A**  
**132 DINGENS STREET - BCP REMEDIATION**  
**REMAINING CONTAMINATION BELOW PETLS AND CSCOs**  
**RI TEST PIT SOIL SAMPLES**  
(SAMPLED 9/25/12 DURING RI)

SAMPLE ID/ LOCATION	PETLS or CSCOs	TS#8	TS#8	TS#8	TS#9	TS#9	TS#10	TS#10	TS#10	TS#11	TS#11	TS#11	TS#12	TS#12	TS#12
		East End					East End					North Center			
METALS (mg/Kg)															
DEPTH INTERVAL (ft)		0	2	6 - 7	0	2 - 8	0	2 - 4	4 - 7	0	1 - 4	5 - 8	0	0 - 2	2 - 8
Percent Solids (%)		71.6	72.5	74.5	72.9	82.8	63.8	68.2	88.7	73.7	75.3	89.9	90.7	79.4	83.1
Aluminum	--	8400	10300	3860	8100	3610	5660	3160	2400	5710	3900	3240	7900	7950	4770
Antimony	--	1.5	2			4460	32.8	9.4	1.8	11	0.5	1.1		0.65	
Arsenic	71.0	13.4	22.8	11.4	6.3	43.6	23.1	18.2	11.6	17.8	11.8	6.6	13.5	18.9	18
Barium	400	453	816	191	113	954	1290	421	75.5	165	116	135	238	440	298
Beryllium	590	0.85	1.3	0.42	0.57	0.38	0.74	0.92	0.57	0.69	0.34	0.27	0.8	0.98	0.58
Cadmium	9.3	1.9	3.4	0.47	0.45	3.6	3.6	0.6	0.076	1.9	5.4	1.2	1.6	2.4	2.2
Calcium	--	28300	33900	183000	41700	15700	15700	4150	3380	126000	11500	13600	28100	35900	2710
Chromium	1,500	29.6	32.8	8.2	13.4	13.6	24.7	11.2	2.8	76.8	18.7	12.1	21.4	24.8	14.3
Cobalt	--	8	9.1	4.4	6.6	3.6	4.7	6.8	3.2	4.8	3.2	2.4	6.1	7.7	16.3
Copper	270	123	263	31.9	147	1290	139	201	41.1	304	2400	92.8	76.8	139	2030
Iron	--	23600	51400	18700	16000	14000	17200	33800	20200	25800	17900	9680	20400	22900	134000
Lead	5,000	1010	2760	241	133	93500	1430	262	29.5	332	307	414	515	1630	1530
Magnesium	--	7540	4470	5910	12500	2070	3310	478	206	13300	1730	2990	7160	6310	206
Manganese	10,000	626	749	580	302	384	395	64.8	34.2	2310	315	235	486	547	236
Nickel	310	23.6	27.8	11.8	17.1	17.6	20.6	20.2	8.7	27.5	20.7	10.9	20.7	25.7	36.1
Potassium	--	1830	1340	776	1730	548	1140	365	366	1330	496	499	1620	1180	400
Selenium	1,500	2.5	4.7	1.2	0.86	2.1	1.8	1.8	1.3	2.3	1.1	0.89	1.8	2.1	4.1
Silver	1,500	0.39	1.2			17.2	0.75			0.35	0.49		0.27	0.31	0.75
Sodium	--	157	346	179	299	514	135	124	90.5	258	84.1	71.8	135	161	593
Thallium	--														
Vanadium	--	24.1	29.3	14.7	20.2	19	18	16.8	9	41.6	11.5	8.7	20.3	23.8	30.8
Zinc	10,000	1610	1820	672	187	1120	14300	201	26.2	1230	426	279	593	834	1710
Mercury	5.7	1.6	0.6	0.16	0.094	0.25	0.91	0.06	0.014	0.22	0.51	0.15	0.38	0.7	0.34
Total Cyanide (mg/Kg)	27	1.2	1.1	NA		1.4	1.8	NA	NA	0.89	1	0.55	1.2	0.99	1.1

**TABLE G-2A**  
**132 DINGENS STREET - BCP REMEDIATION**  
**REMAINING CONTAMINATION BELOW PETLs AND CSCOs**  
**RI TEST PIT SOIL SAMPLES**  
(SAMPLED 9/25/12 DURING RI)

SAMPLE ID/ LOCATION	PETLS or CSCOs	TS#13	TS#13	TS#13	TS#14	TS#14	TS#14	TS#16	TS#16	TS#17	TS#17	TS#17
		North Center			West End							
VOLATILE ORGANICS (ug/Kg)												
DEPTH INTERVAL (ft)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Percent Solids (%)												
Trichloroethene	21,000											
PESTICIDES (ug/Kg)												
DEPTH INTERVAL (ft)		0	0 - 2	2 - 8	0	NA	NA	NA	NA	0	0 - 2	NA
Percent Solids (%)		66.1	72.8	73.9	70.2					69.3	80.2	
4,4'-DDE	62,000											
4,4'-DDT	47,000	110 J			100 J					180 J	160 J	
Dieldrin	1,400											
Endosulfan II	200,000									44 J		
Endrin	89,000		94 J	17 J						120 J	100 J	
gamma-Chlordane	9,200			17 J								
Methoxychlor	--											
TOTAL PEST		110	94	34	100					344	260	
PCBs (ug/Kg)												
DEPTH INTERVAL (ft)		0	0 - 2	2 - 8	0	NA	NA	NA	NA	0	0 - 2	NA
Percent Solids (%)		66.1	72.8	73.9	70.2					69.3	80.2	
Aroclor 1242	--											
Aroclor 1248												
Aroclor 1254												
Aroclor 1260					200 J					370		
TOTAL PCBs	1,000	ND	ND	ND	200					370	ND	

**TABLE G-2A**  
**132 DINGENS STREET - BCP REMEDIATION**  
**REMAINING CONTAMINATION BELOW PETLS AND CSCOs**  
**RI TEST PIT SOIL SAMPLES**  
(SAMPLED 9/25/12 DURING RI)

SAMPLE ID/ LOCATION	PETLS or CSCOs	TS#13	TS#13	TS#13	TS#14	TS#14	TS#14	TS#16	TS#16	TS#17	TS#17	TS#17
		North Center			West End							
SEMIVOLATILE ORGANICS (ug/Kg)												
DEPTH INTERVAL (ft)		0	0 - 2	2 - 8	0	0 - 2	4 - 8	3 - 4	5 - 6	0	0 - 2	6 - 7
Percent Solids (%)	--	66.1	72.8	73.9	70.2	79.4	87.1	91.6	72.4	69.3	80.2	78.8
Biphenyl	--											
2-Methylnaphthalene		150 J	1600 J		140 J	320 J	200 J	36 J			110 J	
3 & 4-Methylphenol												
Acenaphthene		410 J	4000 J	37 J	450 J	760 J	370 J			1000 J	87 J	
Acenaphthylene			460 J								220 J	
Acetophenone												
Anthracene		1300 J	12000	150 J	1600 J	1600 J	3300 J		56 J	3200 J	330 J	88 J
Benzaldehyde												
Benzo(a)anthracene		4600	28000	630 J	6200	3400 J	8700	100 J	220 J	20000	2800	330 J
Benzo(a)pyrene		4600	20000	750 J	5900	3100 J	6200	110 J	200 J	19000	3100	310 J
Benzo(b)fluoranthene		5700	23000	930	6700	3700 J	6900	120 J	270 J	28000	4100	310 J
Benzo(g,h,i)perylene		2900	12000	690 J	4600	2400 J	3500 J	75 J	140 J	9700	1500	220 J
Benzo(k)fluoranthene		3800	21000	870	5300	2800 J	7100	87 J	190 J	21000	4700	270 J
Bis(2-ethylhexyl) phthalate												
Butyl benzyl phthalate												
Carbazole		610 J	6400 J	100 J	940 J	490 J	830 J			2300 J	270 J	46 J
Chrysene		4900	33000	1000	6700	3700 J	8800	180 J	240 J	28000	3900	380 J
Dibenz(a,h)anthracene		1000 J	5400 J	210 J	1500 J	770 J	1200 J		38 J	2200 J	470 J	55 J
Dibenzofuran		350 J	3300 J	83 J	310 J	530 J	980 J			750 J	93 J	
Di-n-butyl phthalate											91 J	
Fluoranthene		7400	47000	1300	8400	4500	17000	84 J	280 J	34000	5600	460 J
Fluorene		540 J	5500 J	75 J	530 J	720 J	1700 J			1000 J	78 J	
Indeno(1,2,3-cd)pyrene		2700	12000	580 J	4100	2100 J	3400 J	57 J	110 J	13000	1500	230 J
Naphthalene		210 J	2600 J	44 J	160 J	350 J		36 J		710 J	130 J	
Phenanthrene		5700	52000	1400	6600	7200	17000	110 J	310 J	18000	1600	450 J
Pyrene		11000	61000	2300	12000	9100	20000	180 J	510 J	50000	4100	800 J
TOTAL SVOCs	500,000	57,870	350,260	11,149	72,130	47,540	107,180	1,175	2,564	251,860	34,779	3,949

**TABLE G-2A**  
**132 DINGENS STREET - BCP REMEDIATION**  
**REMAINING CONTAMINATION BELOW PETLs AND CSCOs**  
**RI TEST PIT SOIL SAMPLES**  
(SAMPLED 9/25/12 DURING RI)

SAMPLE ID/ LOCATION	PETLS or CSCOs	TS#13	TS#13	TS#13	TS#14	TS#14	TS#14	TS#16	TS#16	TS#17	TS#17	TS#17
		North Center			West End							
METALS (mg/Kg)												
DEPTH INTERVAL (ft)		0	0 - 2	2 - 8	0	0 - 2	4 - 8	3 - 4	5 - 6	0	0 - 2	6 - 7
Percent Solids (%)		66.1	72.8	73.9	70.2	79.4	87.1	91.6	72.4	69.3	80.2	78.8
Aluminum	--	8240	4060	7110	10600	4080	5730	5250	7600	3580	2760	5570
Antimony	--	0.72	11.9	2	1.3	7.4	0.68	4.5	0.74	5.2	2.2	1.3
Arsenic	71.0	23.7	167	274	12.1	16.1	15.2	18.3	22.4	38.5	21.3	15.7
Barium	400	286	871	931	277	242	316	307	924	256	219	269
Beryllium	590	0.79	0.44	1.8	0.82	0.43	0.6	0.81	0.88	0.53	0.72	0.72
Cadmium	9.3	1.9	3.7	7.2	1.7	1.2	0.91	1.5	0.9	6.3	1.7	0.69
Calcium	--	27500	31700	72900	73100	26400	21100	10500	13600	31900	5220	3710
Chromium	1,500	23.5	42.9	15.9	140	15	27.6	8.8	21.2	52	21.3	23.9
Cobalt	--	7.8	10	7.7	5.7	4.1	5.6	5.2	8.5	6.8	4.1	5.2
Copper	270	132	225	117	111	251	136	173	117	166	71.8	113
Iron	--	29600	136000	26300	28900	16800	21000	9670	31600	39500	24500	17300
Lead	5,000	1120	1600	706	821	1120	1260	410	909	506	209	525
Magnesium	--	7230	3280	2130	6760	4330	3750	1750	3760	2740	515	857
Manganese	10,000	503	810	1220	4710	344	414	154	377	439	113	393
Nickel	310	24.8	38.8	38.8	19.7	13.9	13.9	13.1	28.2	48.9	16.3	14.2
Potassium	--	1630	594	1060	1890	679	935	498	912	666	894	702
Selenium	1,500	2	3.6	3.1	4.3	1.6	1.3	2.6	2.9	2.4	2	1.4
Silver	1,500	0.45			0.41	0.35	0.33		0.55	0.4		0.31
Sodium	--	167	356	1020	173	138	195	350	316	119	99.6	266
Thallium	--			0.86	0.8						0.94	
Vanadium	--	23	20.6	38.7	78.6	12.4	20.4	22.1	38.3	19.1	15.6	29.7
Zinc	10,000	740	1280	2870	559	617	610	877	947	1020	301	405
Mercury	5.7	0.91	5.8	0.46	0.46	1.1	1.4	0.12	0.45	0.78	0.16	0.12
Total Cyanide (mg/Kg)	27	1	1.8	1.1	0.9	NA	NA	NA	NA	3.0	1.6	NA

- Note: 1. "ND" = Not Detected; "NA" = Not Analyzed; Sample interval based on observed soil layers  
2. Only detected organic compounds are listed; All metals analyzed are listed; Blank cells indicate non-detect  
3. CSCOs are listed in italics ; PETLs are listed in bold; Compounds exceeding CSCOs or PETLs are shown in bold numbers  
4. Table of sample coordinates is in this appendix, and location figure is in this report  
5. CSCO = Commercial Soil Cleanup Objective; PETL = Proposed Excavation Threshold Limit

**TABLE G-2B**  
**132 DINGENS STREET - BCP REMEDIATION**  
**REMAINING CONTAMINATION BELOW PETLs AND CSCOs**  
**RI GEOPROBE SOIL BORING SAMPLES**  
(SAMPLED 7/23/12, 7/24/12 9/21/12 DURING RI)

SAMPLE ID/ LOCATION	PETL or CSCOs	GS#18	GS#18D	GS#22	GS#23	GS#24	GS#25	GS#26	GS#27	GS#28	GS#29	GS#31
					north	south	central area			eastern area	central area	
VOLATILE ORGANICS (ug/Kg)												
DEPTH INTERVAL (ft)		7	7	7	10	7	10	5	6	9	8	7
Percent Solids (%)		78.1	78.4	73.3	37	63.1	84.3	93.2	62.9	77.1	57.3	79.2
2-Hexanone	--										4.8 JB	
Acetone	100,000			15 J		410	76	12 J	250	26 J	17 J	110
Benzene	4,800											
Carbon disulfide	--							4.4 J				
Cyclohexane	--							1.2 J				
Ethylbenzene	41,000											
Isopropylbenzene	100,000											
2-Butanone (MEK)	100,000					88	15 J		44	4.2 J		14 J
Toluene	100,000							1.2 JB				
Methylcyclohexane	--											
Methylene Chloride	100,000											
Tetrachloroethene	3,500											
Trichloroethene	21,000											
Total Xylenes	100,000											
TOTAL VOCs	--	ND	ND	15	ND	498	91	19	294	30	22	124
PESTICIDES (ug/Kg)												
DEPTH INTERVAL (ft)		0 - 5	0 - 5	2 - 6	4 - 8	1 - 5	1 - 5	1 - 5	1 - 5	1 - 5	1 - 5	1 - 5
Percent Solids (%)		93.2	91	82.8	78.6	81	82.5	88.7	83	88.5	88.3	85.1
4,4'-DDE	62,000							21 J	9.8 J		8.9 J	
4,4'-DDT	47,000		36 J	8.2 J	11 J	52 J						
Dieldrin	1,400											
Endosulfan II	200,000											
Endrin	89,000											
Methoxychlor	--		120									
TOTAL PEST	--	ND	156	8	11	52	ND	21	10	ND	9	ND
PCBs (ug/Kg)												
DEPTH INTERVAL (ft)		0 - 5	0 - 5	2 - 6	4 - 8	1 - 5	1 - 5	1 - 5	1 - 5	1 - 5	1 - 5	1 - 5
Percent Solids (%)		93.2	91	82.8	78.6	81	82.5	88.7	83	88.5	88.3	85.1
Aroclor 1248	--	190 J	230 J									
Aroclor 1254		450	490									
Aroclor 1260		77 J	140 J					190 J		140 J		
TOTAL PCBs	1,000	717	860	ND	ND	ND	ND	190	ND	140	ND	ND

**TABLE G-2B**  
**132 DINGENS STREET - BCP REMEDIATION**  
**REMAINING CONTAMINATION BELOW PETLs AND CSCOs**  
**RI GEOPROBE SOIL BORING SAMPLES**  
(SAMPLED 7/23/12, 7/24/12 9/21/12 DURING RI)

SAMPLE ID/ LOCATION	PETL or CSCOs	GS#18	GS#18D	GS#22	GS#23	GS#24	GS#25	GS#26	GS#27	GS#28	GS#29	GS#31	
					north	south	central area			eastern area	central area		
SEMIVOLATILE ORGANICS (ug/Kg)													
DEPTH INTERVAL (ft)		0 - 5	0 - 5	2 - 6	4 - 8	1 - 5	1 - 5	1 - 5	1 - 5	1 - 5	1 - 5	1 - 5	
Percent Solids (%)	--	93.2	91	82.8	78.6	81	82.5	88.7	83	88.5	88.3	85.1	
Biphenyl	--												
2-Methylnaphthalene													
3 & 4-Methylphenol													
Acenaphthene			200 J	61 J	220 J		44 J				590 J		
Acenaphthylene			480 J	180 J									
Acetophenone													
Anthracene			850 J	1000 J	470 J	530 J		180 J		170 J		490 J	130 J
Benzaldehyde													
Benzo(a)anthracene			6200	6900	2500	1300 J	1000 J	580 J		930 J		1000 J	720 J
Benzo(a)pyrene			5800	6500	2400	1300 J	1000 J	600 J		860 J	230 J	890 J	730 J
Benzo(b)fluoranthene			9800	11000	3400	1800 J	1400 J	850 J	86 J	1000 J	310 J	1200 J	970 J
Benzo(g,h,i)perylene			1800 J	2000 J	660 J			120 J		260 J		240 J	230 J
Benzo(k)fluoranthene			3700	4100	1500	740 J	740 J	350 J	46 J	450 J	170 J	710 J	450 J
Bis(2-ethylhexyl) phthalate				2400 JB									
Butyl benzyl phthalate													
Carbazole				540 J	87 J							180 J	
Chrysene			6600	7300	2300	1400 J	1100 J	570 J		800 J	230 J	860 J	630 J
Dibenz(a,h)anthracene			710 J	850 J									
Dibenzofuran					46 J							490 J	
Di-n-butyl phthalate													
Fluoranthene			12000	13000	4600	2700 J	2000 J	1300		1600 J	360 J	2700	1200 J
Fluorene					100 J							770 J	
Indeno(1,2,3-cd)pyrene			2300 J	2400 J	770 J	270 J		140 J		270 J		270 J	230 J
Naphthalene												250 J	
Phenanthrene			3700	3800	2000	2300 J	1000 J	810 J		720 J	260 J	2800	680 J
Pyrene			9100	9900	3500	2100 J	1600 J	910 J		1400 J	280 J	1800 J	910 J
TOTAL SVOCs	500,000	62,560	72,370	24,574	14,660	9,840	6,454	132	8,460	1,840	15,240	6,880	



**TABLE G-2B**  
**132 DINGENS STREET - BCP REMEDIATION**  
**REMAINING CONTAMINATION BELOW PETLs AND CSCOs**  
**RI GEOPROBE SOIL BORING SAMPLES**  
(SAMPLED 7/23/12, 7/24/12 9/21/12 DURING RI)

SAMPLE ID/ LOCATION	PETL or CSCOs	GS#18	GS#18D	GS#22	GS#23	GS#24	GS#25	GS#26	GS#27	GS#28	GS#29	GS#31
						north	south	central area			eastern area	central area
METALS (mg/Kg)												
DEPTH INTERVAL (ft)		0 - 5	0 - 5	2 - 6	4 - 8	1 - 5	1 - 5	1 - 5	1 - 5	1 - 5	1 - 5	1 - 5
Percent Solids (%)		93.2	91	82.8	78.6	81	82.5	88.7	83	88.5	88.3	85.1
Aluminum	--	2190	2710	6610	8050	9870	13600	20000	6250	4890	26300	10700
Antimony	--	1.7	3.3	3.6	2.5				2.9	111	0.78	1.7
Arsenic	71.0	43	43.1	34.8	10.8	11.4	6.7	2.3	10	27.8	2.8	9.7
Barium	400	81.7	91.7	379	265	116	163	230	357	1800	206	403
Beryllium	590	0.41	0.51	0.7	0.71	0.55	1.8	4.9	0.8	0.62	4.8	2
Cadmium	9.3	0.6	1.1	0.77	0.8	0.2	0.42	0.21	1	9.5	0.15	1
Calcium	--	7080	21800	30000	6640	43200	47300	199000	15900	33800	187000	37300
Chromium	1,500	11.8	27.4	27.7	13.3	18.2	14.9	11.5	19.8	265	8.9	20.2
Cobalt	--	3.7	9.1	7.4	7	11.1	7.3	0.62	5.5	6.2	1.6	6
Copper	270	64.1	143	90.3	284	32.1	25.8	18.1	170	110	7.1	214
Iron	--	29600	40300	31300	10100	23200	18500	3470	17100	73700	4480	19400
Lead	5,000	149	165	2870	1380	82	229	93.3	433	2370	25.3	1320
Magnesium	--	858	1270	2480	946	15400	17100	29500	2450	4950	35300	10300
Manganese	10,000	135	231	357	382	412	1100	1690	344	805	2630	650
Nickel	310	12.2	20.4	19.5	18.5	25.4	17.1	3.1	13.5	40.6	5.1	18.2
Potassium	--	487	497	625	764	2770	1800	1460	532	458	1970	1070
Selenium	1,500	1.1	1.1	2.8	0.81	1.2	1.6	3	2.2	1.3	3.9	2.9
Silver	1,500			0.64					0.69			
Sodium	--	51.6	65.5	236	265	244	735	661	340	208	649	433
Thallium	--						0.41	1.1		0.9	3.2	0.46
Vanadium	--	12.4	15.4	18.4	20.8	21.6	18.9	5	23.1	18.4	6.5	22.2
Zinc	10,000	210	498	457	473	67	144	44.4	1320	14400	45.6	605
Mercury	5.7	0.087	0.057	0.28	2	0.064	0.045	0.02	1.1	3.6	0.063	1.3
Total Cyanide (mg/Kg)	27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

**TABLE G-2B**  
**132 DINGENS STREET - BCP REMEDIATION**  
**REMAINING CONTAMINATION BELOW PETLs AND CSCOs**  
**RI GEOPROBE SOIL BORING SAMPLES**  
(SAMPLED 7/23/12, 7/24/12 9/21/12 DURING RI)

SAMPLE ID/ LOCATION	PETL or CSCOs	GS#32	GS#32	GS#33	GS#34	GS#35	GS#36	GS#37	GS#38	GS#39	GS#39	GS#40	GS#40
		northeast		northern area		Concrete Slab		Central	Eastern End				
VOLATILE ORGANICS (ug/Kg)													
DEPTH INTERVAL (ft)		11		8	8	5							
Percent Solids (%)		67.6		76.5	74.7	88.6							
2-Hexanone	--		NA				NA	NA	NA	NA	NA	NA	
Acetone	100,000	150		39									
Benzene	4,800			4.5 J									
Carbon disulfide	--												
Cyclohexane	--												
Ethylbenzene	41,000			2.5 J									
Isopropylbenzene	100,000												
2-Butanone (MEK)	100,000	20 J		4.6 J									
Toluene	100,000			6.4									
Methylcyclohexane	--												
Methylene Chloride	100,000												
Tetrachloroethene	3,500												
Trichloroethene	21,000												
Total Xylenes	100,000			13									
TOTAL VOCs	--	170		70	ND	ND							
PESTICIDES (ug/Kg)													
DEPTH INTERVAL (ft)		1 - 5		1 - 5	1 - 5	6-8	9-10	4-6	4-6	0-2	4-6	0-2	4-6
Percent Solids (%)		91.3		87.2	82.5	83.8	72.7	66.6	90.1	83.2	78.4	82	69
4,4'-DDE	62,000	21 J	NA	26 J	9.3 J								
4,4'-DDT	47,000			34 J						39 J		80 J	
Dieldrin	1,400												
Endosulfan II	200,000			34 J									
Endrin	89,000			25 J									
Methoxychlor	--									69 J			
TOTAL PEST	--	21	NA	119	9	ND	ND	ND	ND	108	ND	80	ND
PCBs (ug/Kg)													
DEPTH INTERVAL (ft)		1 - 5		1 - 5	1 - 5	6-8	9-10	4-6	4-6	0-2	4-6	0-2	4-6
Percent Solids (%)		91.3		87.2	82.5	83.8	72.7	66.6	90.1	83.1	78.4	82	69
Aroclor 1248	--		NA										
Aroclor 1254													
Aroclor 1260										120 J		310	
TOTAL PCBs	1,000	ND	NA	ND	ND	ND	ND	ND	ND	120	ND	310	ND

**TABLE G-2B**  
**132 DINGENS STREET - BCP REMEDIATION**  
**REMAINING CONTAMINATION BELOW PETLs AND CSCOs**  
**RI GEOPROBE SOIL BORING SAMPLES**  
(SAMPLED 7/23/12, 7/24/12 9/21/12 DURING RI)

SAMPLE ID/ LOCATION	PETL or CSCOs	GS#32	GS#32	GS#33	GS#34	GS#35	GS#36	GS#37	GS#38	GS#39	GS#39	GS#40	GS#40	
		northeast		northern area		Concrete Slab		Central	Eastern End					
SEMIVOLATILE ORGANICS (ug/Kg)														
DEPTH INTERVAL (ft)		1 - 5	12	1 - 5	1 - 5	6-8	9-10	4-6	4-6	0-2	4-6	0-2	4-6	
Percent Solids (%)	--	91.3	66.7	87.2	82.5	83.8	72.7	66.6	90.1	83.2	78.4	82	69	
Biphenyl	--	630 J				26 J			190 J					
2-Methylnaphthalene		2000		340 J	110 J	100 J	46 J	44 J	630 J	37 J	29 J	94 J		
3 & 4-Methylphenol			270 J					160 J						
Acenaphthene		3500	100 J	980 J	96 J	160 J		40 J	2500 J	84 J	26 J	190 J	24 J	
Acenaphthylene				170 J						36 J		470 J		
Acetophenone														
Anthracene			12000	240 J	3200	410 J	400 J	59 J	65 J	4000	280 J	120 J	1300 J	180 J
Benzaldehyde								120 J	120 J			27 J		
Benzo(a)anthracene			17000	680 J	8400	1800 J	1000	260 J	250 J	5400	1300	530	5200	670
Benzo(a)pyrene			17000	740 J	8000	2400	930	330 J	240 J	4900	1400	470	4800	590
Benzo(b)fluoranthene			24000	980 J	12000	3300	950	360 J	240 J	4800	1400	530	5600	720
Benzo(g,h,i)perylene			5200	230 J	2300	1200 J	450	270 J	220 J	2400 J	560	220 J	1900 J	190 J
Benzo(k)fluoranthene			12000	490 J	4400	1700 J	1100	410 J	330 J	4800	1500	520	5000	610
Bis(2-ethylhexyl) phthalate							87 J	120 J	280 J		110 J	170 J	210 J	150 J
Butyl benzyl phthalate							27 J		57 J					40 J
Carbazole			8000	150 J	1200 J	190 J	140 J	47 J		1800 J	140 J	45 J	370 J	27 J
Chrysene			15000	690 J	7500	2100	1000	360 J	330 J	5600	1600	620	5400	680
Dibenz(a,h)anthracene			1600 J	99 J	790 J	400 J	160 J				140 J		810 J	
Dibenzofuran			4900		630 J		130 J	31 J	28 J	1500 J	59 J	23 J	190 J	
Di-n-butyl phthalate											180 J		120 J	
Fluoranthene			34000	1200 J	17000	2900	1700	480	430 J	15000	2300	820	11000	1100
Fluorene			7100		1000 J		220 J	26 J	43 J	2100 J	85 J	25 J	410 J	44 J
Indeno(1,2,3-cd)pyrene			5100	220 J	2100	1100 J	430	190 J	170 J	2100 J	610	240 J	2100	260 J
Naphthalene			5100	270 J	450 J		160 J	59 J	68 J	1500 J	51 J	33 J	140 J	
Phenanthrene			36000	1000 J	11000	1600 J	1700	430 J	300 J	18000	1400	510	5400	710
Pyrene			21000	890 J	13000	2200	3000	910	720	14000	3000	1300	9500	1400
TOTAL SVOCs	500,000	231,130	8,249	94,460	21,506	13,870	4,508	4,135	91,220	16,272	6,258	60,204	7,395	

**TABLE G-2B**  
**132 DINGENS STREET - BCP REMEDIATION**  
**REMAINING CONTAMINATION BELOW PETLs AND CSCOs**  
**RI GEOPROBE SOIL BORING SAMPLES**  
(SAMPLED 7/23/12, 7/24/12 9/21/12 DURING RI)

SAMPLE ID/ LOCATION	PETL or CSCOs	GS#32	GS#32	GS#33	GS#34	GS#35	GS#36	GS#37	GS#38	GS#39	GS#39	GS#40	GS#40
		northeast		northern area		Concrete Slab		Central	Eastern End				
METALS (mg/Kg)													
DEPTH INTERVAL (ft)	1 - 5		12	1 - 5	1 - 5	6-8	9-10	4-6	4-6	0-2	4-6	0-2	4-6
Percent Solids (%)	91.3		66.7	87.2	82.5	83.8	72.7	66.6	90.1	83.2	78.4	82	69
Aluminum	--	2140	7840	8570	5070	10900	15200	8740	3260	7210	3890	7270	6860
Antimony	--	0.65	11.8	7	6.5				4.3	2.4		7	
Arsenic	71.0	2.7	19	21.1	37.2	9	9.7	23.6	10.8	22	11.9	26.1	12.5
Barium	400	33.7	563	612	717	150	187	475	218	669	2120	1150	217
Beryllium	590	0.15	0.9	0.58	0.63	1.2	1.3	1.6	0.33	1.1	0.47	0.86	0.68
Cadmium	9.3	0.22	3.1	3.5	1.2	0.78	0.99	2.5	3	3.4	2	8.4	0.49
Calcium	--	2020	8130	33800	12600	49300	29300	73200	9320	14500	6390	23600	89800
Chromium	1,500	21.9	48.2	32.5	32.1	23.5	34.6	38.6	15.7	27	12.3	28.7	11
Cobalt	--	1.1	9.6	6.1	5.5	8	10.1	7.8	2.5	6.1	3.7	6.9	7.2
Copper	270	21.5	1200	211	147	49.1	72.2	177	112	197	94.7	171	43
Iron	--	10000	38300	32600	35000	19400	33400	74000	15600	20100	21600	30900	21700
Lead	5,000	73.6	3150	2640	1040	250	392	3320	2630	2240	941	2880	258
Magnesium	--	537	960	4470	1590	11400	9350	10700	1770	2680	687	5270	31500
Manganese	10,000	1000	273	376	407	664	664	1010	231	506	160	536	404
Nickel	310	5.2	743	18.7	19.5	22.7	22	29.3	10	28.1	11.1	24.5	17.3
Potassium	--	187	640	795	565	1690	1710	916	348	892	496	980	1080
Selenium	1,500		1	1.9	3	1.4	2	4.6	1.4	2.5	1.8	2.1	0.93
Silver	1,500		1.6	0.52				0.9	0.3	5	0.29	0.64	
Sodium	--	51.9	728	557	178	345	305	797	90.1	266	313	183	1720
Thallium	--	1.7		0.39									
Vanadium	--	5.5	27.9	16.8	21.9	21.2	31	23.7	10.1	26.1	14.8	23.6	24.5
Zinc	10,000	50.5	2630	1770	4400	194	361	1270	995	975	1410	13100	278
Mercury	5.7	0.3	0.37	0.44	0.54	0.5	0.26	3.3	0.3	0.71	0.32	0.6	0.25
Total Cyanide (mg/Kg)	27	ND	ND	ND	ND	ND	ND	1.7	0.6	ND	0.84	1.5	0.95

Note: 1. "ND" = Not Detected; "NA" = Not Analyzed; Sample interval based on observed soil layers  
2. Only detected organic compounds are listed; All metals analyzed are listed; Blank cells indicate non-detect  
3. CSCOs are listed in italics ; PETLs are listed in bold; Compounds exceeding CSCOs or PETLs are shown in bold numbers  
4. Table of sample coordinates is in this appendix, and location figure is in this report  
5. CSCO = Commercial Soil Cleanup Objective; PETL = Proposed Excavation Threshold Limit

**TABLE G-2C**  
**132 DINGENS STREET - BCP RI/RA**  
**REMAINING CONTAMINATION BELOW PETLs AND CSCOs**  
**MONITORING WELL SOIL BORING SAMPLES**

(SAMPLED 7/16/12 - 7/19/12 during RI)

SAMPLE ID/ LOCATION	PETL or CSCOs	MW-1	MW-3	MW-4	MW-5	MW-5	MW-5	MW-6	MW-8	
		west section	middle section	south section	middle section	middle section	middle section	east section	south section	
VOLATILE ORGANICS (VOCs, ug/Kg)										
DEPTH INTERVAL (ft)		7.0	9.0	3.0	5.0	12.0	15.0	11.0	3.0	
Percent Solids (%)		85.3	79.3	86.6	83.8	76.7	76.4	69.7	85.7	
Acetone	500,000		20 J	78.0	60.0	12 J	15 J			
Benzene	45,000								1.0 J	
Cyclohexane	--				140.0					
Ethylbenzene	390,000								1.2 J	
Isopropylbenzene	500,000				78.0					
2 - Butanone (MEK)	500,000		3.6 J	15 J	19 J					
Methylcyclohexane	--				310.0					
Methylene chloride	500,000									
Tetrachloroethene	150,000	0.86 J			1.6 J					
Toluene	500,000				3.5 J				2.6 J	
Total Xylenes	500,000								3.7 J	
TOTAL VOCs	--	0.9	23.6	93.0	612.1	12.0	15.0	ND	8.5	
PESTICIDES (ug/Kg)										
DEPTH INTERVAL (ft)		0 - 8	0 - 8	0 - 6	0 - 10	NA	NA	0 - 10	0 - 6	
Percent Solids (%)		88.4	81.4	88.4	82.7			82.6	92.0	
4,4'-DDT	47,000	20 J						11 J		
PCBs (ug/Kg)										
DEPTH INTERVAL (ft)		0 - 8	0 - 8	0 - 6	0 - 10	NA	NA	0 - 10	0 - 6	
Percent Solids (%)		88.4	81.4	88.4	82.7			82.6	92.0	
Aroclor 1248	1,000							88 J		
SEMIVOLATILE ORGANICS (SVOCs, ug/Kg)										
DEPTH INTERVAL (ft)		0 - 8	0 - 8	0 - 6	0 - 10	NA	NA	0 - 10	0 - 6	
Percent Solids (%)		88	81	88	83			83	92	
Biphenyl										
2-Methylnaphthalene		85 J			1500 J				240 J	
Acenaphthene					220 J				950 J	
Acenaphthylene		230 J			62 J				380 J	
Anthracene		310 J	390 J		180 J				3,700	330 J
Benzo(a)anthracene		1,900	1400 J	28 J	570 J				8,400	1700 J
Benzo(a)pyrene		1,700	1500 J	24 J	580 J				7,200	1600 J
Benzo(b)fluoranthene		2,700	1900 J	36 J	720 J				9,300	2200 J
Benzo(g,h,i)perylene		880 J	1000 J	23 J	250 J				2,800	700 J
Benzo(k)fluoranthene		1,100	880 J	25 J	240 J				3,700	990 J
Bis(2-ethylhexyl) phthalate		840 J	680 J							
Caprolactam	--				3,100					
Carbazole		130 J	200 J		120 J				970 J	
Chrysene		1,800	1400 J	32 J	600 J				7,300	1700 J
Dibenz(a,h)anthracene		300 J	440 J	15 J	99 J				860 J	440 J
Dibenzofuran									930 J	
Fluoranthene		2,900	2,800	49 J	1100 J				18,000	2900 J
Fluorene					270 J				1900 J	
Indeno(1,2,3-cd)pyrene		910 J	860 J	23 J	250 J				3,300	730 J
Naphthalene									370 J	
Phenanthrene		1,100	1800 J	38 J	1000 J				14,000	1200 J
Pyrene		2,400	2,200	40 J	880 J				13,000	2400 J
TOTAL SVOCs	500,000	19,285	17,450	333	11,741	NA	NA	97,300	16,890	

**TABLE G-2C**  
**132 DINGENS STREET - BCP RI/RA**  
**REMAINING CONTAMINATION BELOW PETLs AND CSCOs**  
**MONITORING WELL SOIL BORING SAMPLES**  
(SAMPLED 7/16/12 - 7/19/12 during RI)

SAMPLE ID/ LOCATION	PETL or CSCOs	MW-1	MW-3	MW-4	MW-5	MW-5	MW-5	MW-6	MW-8
		west section	middle section	south section	middle section	middle section	middle section	east section	south section
METALS (mg/Kg)									
DEPTH INTERVAL (ft)		0 - 8	0 - 8	0 - 6	0 - 10	NA	NA	0 - 10	0 - 6
Percent Solids (%)		88.4	81.4	88.4	82.7			82.6	92.0
Aluminum	--	2580	8690	14400	16800			7630	4540
Antimony	--	0.94	3.2		0.92			1.4	3.2
Arsenic	71.0	7.8	14.4	11	8.7			17	19.5
Barium	400	69.3	418	92.3	751			266	79.5
Beryllium	590	0.36	1.3	0.84	4.3			0.6	0.69
Cadmium	9.3	0.3	1.7	0.2	2.7			1.4	0.48
Calcium	--	6070	48900	21000	113000			31500	61500
Chromium	1,500	6.3	20.6	19.7	21.4			20.9	16.9
Cobalt	--	3.5	5.2	13.8	2.9			7	6.8
Copper	270	51.7	148	30.8	90.2			160	189
Iron	--	16900	35800	26600	18000			21500	17400
Lead	5,000	126	1170	18.8	1330			480	180
Magnesium	--	1160	13500	9850	27200			8230	4930
Manganese	10,000	100	742	551	1470			492	316
Nickel	310	8.8	15.4	32	11.6			23.7	16.5
Potassium	--	426	1060	2320	1670			1240	609
Selenium	1,500		4.1		2.8			1.2	1.4
Silver	1,500		1.1						
Sodium	--	156	409	216	678			170	187
Thallium	--		0.37	0.4	1				
Vanadium	--	20.4	15.7	26.3	7.4			19.5	11.6
Zinc	10,000	158	790	68.5	946			375	251
Mercury	5.7	1.6	0.8		0.65			0.44	0.26

Note: 1. "ND" = Not Detected; "NA" = Not Analyzed; Sample interval based on observed soil layers  
2. Only detected organic compounds are listed; All metals analyzed are listed; Blank cells indicate non-detect  
3. CSCOs are listed in italics ; PETLs are listed in bold; Compounds exceeding CSCOs or PETLs are shown in bold numbers  
4. Table of sample coordinates is in this appendix, and location figure is in this report  
5. CSCO = Commercial Soil Cleanup Objective; PETL = Proposed Excavation Threshold Limit

**TABLE G-3**  
**132 DINGENS STREET - BCP REMEDIATION**  
**REMAINING CONTAMINATION BELOW PETLs AND CSCOs**  
**TEST PIT SOIL SAMPLES IN FRONT VEGETATED AREA**

(SAMPLED 10/14/15 during RA); LAB SDG #J89112

SAMPLE ID/ LOCATION	PETLs or CSCOs	TS#18	TS#19	TS#20	TS#21
		WEST VEGETATED STRIP		SOUTH VEGETATED STRIP	
DEPTH INTERVAL (ft)		0 - 2'	0 - 2'	0 - 2'	0 - 2'
Percent Solids (%)	--	79.0	82.6	74.8	74.7
<b>PCBs (ug/Kg)</b>		ND	ND	ND	ND
<b>SEMIVOLATILE ORGANICS (ug/Kg)</b>					
Acenaphthene		920 J	ND	ND	190 J
Acenaphthylene		280 J	ND	ND	ND
Anthracene		3000	700 J	ND	330 J
Benzo(a)anthracene		7700	3700	510 J	2400
Benzo(a)pyrene		7000	3400	840 J	2400
Benzo(b)fluoranthene		9400 J	4800 J	1000 J	3900
Benzo(g,h,i)perylene		5100 J	3000 J	750 J	2000
Benzo(k)fluoranthene		5000	2500	300 J	1600
Carbazole		1500 J	470 J	ND	340 J
Chrysene		8300	4100	630 J	3100
Dibenzofuran		830	ND	ND	ND
Fluoranthene		19000	7200	1100 J	6000
Fluorene		1200 J	290 J	ND	160 J
Indeno(1,2,3-cd)pyrene		4400 J	2500	790 J	1800 J
Phenanthrene		12000	3900	430 J	2700
Pyrene		14000	6000	850 J	4800
<b>TOTAL SVOCs</b>	<b>500,000</b>	99,630	42,560	7,200	31,720
<b>METALS (mg/Kg)</b>					
Aluminum	--	14000	13100	19800	16800
Antimony	--	1.8	2.6		
Arsenic	<b>71.0</b>	14.1	13.9	7.6	6.8
Barium	<b>400</b>	<b>531</b>	264	114	106
Beryllium	<b>590</b>	1.5	1.2	0.78	0.75
Cadmium	<b>9.3</b>	3.2	2.1	0.88	0.93
Calcium	--	32500	32400	5820	6730
Chromium	<b>1,500</b>	49.5	39.6	42.2	42.7
Cobalt	--	7.7	9.0	9.1	9.3
Copper	<b>270</b>	127	130	36.5	36.7
Iron	--	33500	34900	24400	23400
Lead	<b>5,000</b>	1840	956	86	84.2
Magnesium	--	7610	8160	4270	4700
Manganese	<b>10,000</b>	793	632	455	457
Nickel	<b>310</b>	23.4	27.0	22.1	22.1
Potassium	--	1920	2050	2560	1860
Selenium	<b>1,500</b>	1.3	0.89	1.3	0.86
Silver	<b>1,500</b>	0.48			0.3
Sodium	--	382	297	134	114
Thallium	--				
Vanadium	--	27	25.2	37.4	32.9
Zinc	<b>10,000</b>	794	601	179	176
Mercury	<b>5.7</b>	0.67	0.54	0.16	0.19

- Note: 1. "ND" = Not Detected; "NA" = Not Analyzed; Sample interval based on observed soil layers  
2. Only detected organic compounds are listed; All metals analyzed are listed; Blank cells indicate non-detect  
3. CSCOs are listed in italics ; PETLs are listed in bold; Compounds exceeding CSCOs or PETLs are shown in bold numbers  
4. Table of sample coordinates is in this appendix, and location figure is in this report  
5. CSCOs = Commercial Soil Cleanup Objective; PETL = Proposed Excavation Threshold Limit



# TABLE G-4A

## 132 DINGENS STREET - BCP REMEDIATION

REMAINING METALS CONTAMINATION BELOW PETL AND CSCOs - FINAL CONFIRMATORY SOIL SAMPLES

SAMPLE ID	LOCATION	EXCAVATION WIDTH	EXCAVATION DEPTH	TOTAL LEAD (mg/Kg)	TOTAL ARSENIC (mg/Kg)	TOTAL MERCURY (mg/Kg)
PROPOSED EXCAVATION THRESHOLD LIMIT (PETL) >>				5000	71	5.7
EXCAVATION AT MW-2 LOCATION						
CSW-24	MW-2-N	12'W x 5.5'D	1' - 4'	NA	69.3	0.96
CSW-25	MW-2-S	12'W x 5.5'D	1' - 4'		28.6	1.8
CSW-26	MW-2-EN	22'W x 5.5'D	1' - 4'		52.1	3.8
CSW-27	MW-2-ES		1' - 4'		32.5	1.6
CSW-28	MW-2-W	22'W x 5.5'D	1' - 4'		40.7	1.9
CSB-5-4	MW-2-B	12'x22'W@9.5'D	9.5'	1060	NA	NA
CSB-5-5	MW-2-B	12'x22'W@10.5'D	10.5'	NA	6.7	0.022
EXCAVATION AT MW-7 LOCATION						
CSW-1	MW-7-N	20'W x 8'D	2' - 6'	2830	NA	NA
CSW-2	MW-7-S	20'W x 8'D	2' - 6'	166		
CSW-3	MW-7-EN	16'W x 8'D	2' - 6'	2140		
CSW-4	MW-7-ES		2' - 6'	1710		
CSW-5	MW-7-W	16'W x 8'D	2' - 6'	611		
CSB-1	MW-7-B	20'x16'W@8'D	8'	53.6		
EXCAVATION AT GS-20 LOCATION						
CSW-32	GS-20-N	22'W x 6.5'D	2' - 5.5'	2070	NA	NA
CSW-33	GS-20-S	22'W x 6.5'D	2' - 5.5'	1100		
CSW-34	GS-20-E	22'W x 6.5'D	2' - 5.5'	1690		
CSW-35	GS-20-W	22'W x 6.5'D	2' - 5.5'	2660		
CSB-8	GS-20-B	22'x22'W@6.5'D	6.5'	865		
EXCAVATION AT GS-21 LOCATION						
CSW-29	GS-21-N	20'W x 6.6'D	2' - 5.5'	NA	NA	0.54
CSW-30	GS-21-S	22'W x 6.5'D	2' - 5.5'			0.67
CSW-31	GS-21-W	22'W x 6.5'D	2' - 5.5'			1.6
CSB-7	GS-21-B	22'x22'W@6.5'D	6.5'			2.2
EXCAVATION AT GS-30 LOCATION						
CSW-11	GS-30-N	19'W x 4.3'D	1' - 4'	2370	NA	NA
CSW-12-2	GS-30-S	21'W x 6.3'D	2' - 6'	1680		
CSW-13	GS-30-E	19'W x 4.3'D	1' - 4'	1410		
CSW-14-2	GS-30-W	21'W x 4.3'D	1' - 4'	2520		
CSB-3-3	GS-30-B	21'x21'W@7.3'D	7.3'	34.6		
EXCAVATION AT TS-4 LOCATION						
CSW-15	TS-4-N	19'W x 4'D	0' - 4'	1950	NA	NA
CSW-16	TS-4-S	19'W x 4'D	0' - 4'	4610		
CSW-17	TS-4-E	19'W x 4'D	0' - 4'	2870		
CSW-18-3	TS-4-W	19'W x 5.5'D	2' - 5'	3320	NA	NA
CSB-4-2	TS-4-B	21'x19'W@5.5'D	5.5'	93.4		
EXCAVATION AT TS-9 LOCATION						
CSW-6	TS-9-N	17'W x 5.2'D	1' - 4'	1610	NA	NA
CSW-7	TS-9-S	17'W x 5.2'D	1' - 4'	3220		
CSW-8	TS-9-EN	28'W x 5.2'D	1' - 4'	860		
CSW-9	TS-9-ES		1' - 4'	1960		
CSW-10	TS-9-W	228'W x 5.2'D	1' - 4'	2160		
CSB-2	TS-9-B	20'x16'W@8'D	8'	4090		
EXCAVATION AT TS-13 LOCATION						
CSW-19	TS-13-NW	11'W x 4'D	1' - 4'	NA	47.8	0.51
CSW-20-2	TS-13-NE	13'W x 7'D	2' - 6'		59.7	2.5
CSW-21-5	TS-13-S	31'W x 7'D	2' - 6'		53.8	1.6
CSW-22	TS-13-E	21'W x 4'D	1' - 4'		45.4	2.9
CSW-23-3	TS-13-W	15'W x 7'D	2' - 6'		29	2.4
CSB-6-2	TS-13-B	26'x15'W@7'D	7'		3.7	ND
EXCAVATION AT TS-15 LOCATION						
CSW-44	TS-15-NW*	40'W x 2'D	0' - 2'	5200	NA	NA
CSW-45	TS-15-NE		0' - 2'	1080		
CSW-46	TS-15-S	40'W x 2'D	0' - 2'	1750		
CSW-47	TS-15-E	20'W x 2'D	0' - 2'	989		
CSW-48	TS-15-W	20'W x 2'D	0' - 2'	1800		
CSB-10	TS-15-B	20'x40'W@2'D	2'	3040		

Note: 1. ANALYSIS: ND=Not Detected; NA=Not Analyzed; SAMPLES: CSWs are wall and CSBs are bottom samples

2. Each sample is a composite of 7 to 10 grab samples; Dimensions are at time of sampling

3. LOCATION: N=North; S=South; E=East; W=West; M=Middle; B=Bottom; W=Horizontal Width; D=Vertical Depth; \*=site boundary

4. Confirmatory wall soil samples were taken across excavation width/depth; bottom samples were taken across excavation floor

**TABLE G-4B**  
**132 DINGENS STREET - BCP SITE REMEDIATION**  
**REMAINING SVOC CONTAMINATION BELOW PETL and CSCOs - FINAL CONFIRMATORY SOIL**

SAMPLE ID/ LOCATION	PETL	CSW-36	CSW-37	CSW-38	CSW-39	CSW-40	CSW-41	CSW-42	CSW-43	CSB-9	CSW-44	CSW-45	CSW-46	CSW-47	CSW-48	CSB-9
		EXCAVATION AT TS-5 LOCATION									EXCAVATION AT TS-15 LOCATION					
		TS-5-N		TS-5-S			TS-5-E	TS-5-W	TS-5-S	TS-5-B	TS-15-N		TS-5-S	TS-15-E	TS-15-W	TS-15-B
DATE SAMPLED		8/27/2015									9/14/2015					
SAMPLE DEPTH		2' - 6'	2' - 6'	2' - 6'	2' - 6'	2' - 6'	2' - 6'	2' - 6'	2' - 6'	6.5'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	2'
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs, µg/Kg)																
Percent Solids (%)	--	73.8	77.1	74.2	80.6	80.7	80.1	74	75.3	68.7	83.8	86.7	78.5	77.5	76.4	74.3
Biphenyl	--	430 J														
2-Methylnaphthalene		1400 J			230 J		920 J									
3 & 4-Methylphenol																
Acenaphthene		4400	450 J	240 J	280 J	760 J	2700 J					740 J	690 J		2000 J	960 J
Acenaphthylene		1700 J	200 J	280 J	230 J	1000 J	3800 J		690 J						1300 J	
Acetophenone																
Anthracene		12000	1400	830 J	1300	4000	17000		1700 J		2200 J	1800 J	1800 J	1400 J	5100	2400 J
Benzaldehyde																
Benzo(a)anthracene		23000	3400	3000	2800	8900	40000	2500 J	10000		9800	5800	4100 J	4600	19000	5800
Benzo(a)pyrene		18000	3800	2700	2500	8000	31000	2300 J	9000		7600	4900	3300 J	3500 J	18000	4900
Benzo(b)fluoranthene		23000	4500	3500	3000	9300	43000	3100 J	12000		11000	5800	3700 J	4700	23000	6700
Benzo(g,h,i)perylene		9400	2000	1400	1000	4600	10000	1500 J	3400 J		6000 J	4000	2800 J	2800 J	9400	4500 J
Benzo(k)fluoranthene		8200	2400	1800	1800	3600	20000	1400 J	6500		4100	3200 J	2000 J	1800 J	10000	2300 J
Bis(2-ethylhexyl) phthalate																
Butyl benzyl phthalate																
Carbazole		5500	680 J	430 J	630 J	960 J	4900				860 J	820 J	780 J	670 J	3400 J	1300 J
Chrysene		20000	3500	3000	2900	9100	38000	2600 J	10000		10000	5900	4100 J	4100 J	20000	5900
Dibenz(a,h)anthracene															3100 J	
Dibenzofuran		3800	410 J	160 J	350 J	930 J	4400								1200 J	630 J
Di-n-butyl phthalate																
Fluoranthene		51000	6500	6300	6400	24000	110000	5400	17000	830 J	20000	12000	11000	9300	38000	13000
Fluorene		6100 J	530 J	260 J	450 J	1600 J	7500 J					870 J	1000 J	640 J	2200 J	1100 J
Indeno(1,2,3-cd)pyrene		8800	1800	1400	1100	4100	11000	1200 J	3700 J		5200	3400 J	2200 J	2200 J	8100	3600 J
Naphthalene		2400			320 J										1100 J	
Phenanthrene		49000	5800	3500	5100	20000	77000	3100 J	5900		11000	7600	8500	6200	25000	12000
Pyrene		36000	4800	4200	3700	17000	57000	3400 J	11000		17000 J	9600 J	8100 J	6800 J	31000 J	10000 J
TOTAL SVOCs (µg/Kg)	500,000	284,130	42,170	33,000	34,090	117,850	478,220	26,500	90,890	830	104,760	66,430	54,070	48,710	220,900	75,090

Note: 1. ANALYSIS: ND=Not Detected; NA=Not Analyzed; J=Below MDL; SAMPLES: CSWs are wall and CSBs are bottom samples

2. Each sample is a composite of 7 to 10 grab samples; See Figures in Report for sample locations

3. Only detected semivolatile compounds are listed; all other SVOCs are non-detect; PETL = Proposed Excavation Threshold Limit

4. LOCATION: N=North; S=South; E=East; W=West; M=Middle; B=Bottom

# TABLE G-4C

## 132 DINGENS STREET - BCP REMEDIATION

### REMAINING PCB CONTAMINATION BELOW PETL AND CSCOs - FINAL CONFIRMATORY SOIL

SAMPLE ID	LOCATION	SAMPLE DEPTH	PCB-1242 (mg/Kg)	PCB-1248 (mg/Kg)	PCB-1254 (mg/Kg)	PCB-1260 (mg/Kg)	TOTAL PCBs (mg/Kg)	REMARKS
<b>PROPOSED EXCAVATION THRESHOLD LIMIT (PETL) &gt;&gt;</b>							1	
<b>EXCAVATION AT TS-15 LOCATION (sampled 9/14/16)</b>								
CSW-44	TS-15-N	0' - 2'	ND	1.8	ND	ND	1.8	OFF-SITE
CSW-45		0' - 2'	ND	1.1	0.63	0.43	2.16	
CSW-46	TS-15-S	0' - 2'	ND	0.065 J	ND	ND	0.065	
CSW-47	TS-15-E	0' - 2'	ND	0.24	0.23	ND	0.47	
CSW-48	TS-15-W	0' - 2'	ND	0.46	ND	ND	0.46	
CSW-60	TS-15-NM	1'	ND	ND	ND	ND	0	OFF-SITE
CSB-10	TS-15-B	2'	ND	0.29 J	ND	ND	0.29	
<b>EXCAVATION AREA AT GS-17 LOCATION (sampled 9/14, 10/14 &amp; 10/26/16)</b>								
CSW-54	GS-17-N	0' - 2'	ND	4.5	4.2	1.5	10.2	AT BOUNDARY
CSW-55-2	GS-17-WN	0' - 3'	ND	ND	2.2	0.97	3.17	
CSW-56	GS-17-S	0' - 2'	ND	0.62	0.67	0.38	1.67	
CSW-57		0' - 2'	ND	0.65	0.96	0.48	2.09	
CSW-59	GS-17-W	0' - 2'	0.68	ND	1.8	0.76	3.24	
CSW-61	GS-17-MN	0' - 2'	ND	ND	1.9	0.78	2.68	
CSW-62	GS-17-MS	0' - 2'	ND	ND	ND	ND	0	
CSW-63	GS-17-MN	0' - 2'	18	ND	5.1	ND	23.1	AT BOUNDARY
CSW-64	GS-17-MS	0' - 2'	ND	0.78	1.2	0.61	2.59	AT BOUNDARY
CSW-65	GS-17-EN	0' - 2'	ND	ND	ND	ND	0	
CSW-66	GS-17-ES	0' - 2'	ND	0.55 J	0.94 J	0.55 J	2.04	
CSW-67	GS-17-E	0' - 2'	ND	ND	0.14 J	ND	0.14	
CSB-12-2	GS-17-EB	3'	ND	ND	ND	ND	0	
CSB-13-2	GS-17-MW	3'	ND	ND	ND	ND	0	
CSB-14-2	GS-17-ME	3'	ND	ND	ND	0.34	0.34	
CSB-15-3	GS-17-EB	3'	ND	ND	ND	ND	0	
<b>EXCAVATION AT GS-19 LOCATION (sampled 9/14, 9/24, 10/14 &amp; 11/2/16)</b>								
CSW-49	GS-19-N	0' - 2'	ND	0.13 J	0.16 J	ND	0.29	OFF-SITE
CSW-50-2	GS-19-NE	0' - 2'	ND	1.3	ND	ND	1.3	OFF-SITE
CSW-51-2A	GS-19-S	0' - 2'	ND	ND	ND	ND	0	
CSW-51-4B	GS-19-SW	0' - 2'	ND	0.29	0.16 J	ND	0.45	
CSW-53-2	GS-19-W	0' - 2'	ND	ND	ND	ND	0	
CSW-68	GS-19-NE	0' - 2'	ND	1.4	0.64	ND	2.04	OFF-SITE
CSW-69	GS-19-E	0' - 2'	ND	ND	ND	ND	0	
CSW-70-3	GS-19-SE	0' - 2'	ND	0.78	0.64	0.17 J	1.59	SEE NOTE 3
CSB-11	GS-19-B	2'	ND	0.68	ND	ND	0.68	
CSB-17	GS-19-EB	2'	ND	0.3	ND	ND	0.30	
<b>AREA BETWEEN GS-19 AND TS-15 (sampled 9/24/16)</b>								
CSB-16	GS-19/TS-15	0' - 1'	ND	ND	0.9	0.19	1.09	

Note: 1. ANALYSIS: ND=Not Detected; NA=Not Analyzed; J= Below MDL; SAMPLES: CSWs are wall and CSBs are bottom samples

2. Each sample is a composite of 7 to 10 grab samples; See Figures in Report for sample locations

3. PETL exceedances shaded - all were off-site except GS-19 where excavation was terminated 19 based on this single on-site exceedance

4. LOCATION: N=North; S=South; E=East; W=West; M=Middle; B=Bottom

**TABLE G-5**  
**132 DINGENS STREET - BCP RI/RA**  
**SURVEY COORDINATES FOR SAMPLE LOCATIONS**

**A. DECIMAL DEGREE COORDINATES (LATITUDE/LONGITUDE)**

INVESTIGATION SAMPLES		
Phase II: GS1 to GS16 & TS1 to TS7 (2011) RI: MW1 to MW7, GS18 to GS40 & TS8 to TS17 (2013) RA: TS18 to TS21 (2015)		
SAMPLE ID	LONGITUDE	LATITUDE
MW-1	-78.81200556	42.87894293
MW-2	-78.81046630	42.87968711
MW-3	-78.81106294	42.87889267
MW-4	-78.81035675	42.87799627
MW-5	-78.80936123	42.87959601
MW-6	-78.80825407	42.88057474
MW-7	-78.80749112	42.88006999
MW-8	-78.80960279	42.87841758
GS1	-78.81088182	42.87813380
GS2	-78.81089042	42.87854619
GS3	-78.81093283	42.87881638
GS4	-78.81086096	42.87905771
GS5	-78.811085605	42.87904016
GS6	-78.81083968	42.87905308
GS7	-78.81084532	42.87906487
GS8	-78.81164264	42.87927374
GS9	-78.811169995	42.87903162
GS10	-78.81241047	42.87897175
GS11	-78.81055305	42.87973853
GS12	-78.80927635	42.87964776
GS13	-78.80900426	42.87941617
GS14	-78.80933003	42.87943171
GS15	-78.80980435	42.87905431
GS16	-78.80905325	42.87975247
GS17	-78.81368209	42.87880319
GS18	-78.81287833	42.87887313
GS19	-78.81285306	42.87920053
GS20	-78.81183712	42.87930134
GS21	-78.81135990	42.87918897
GS22	-78.81127303	42.87900448
GS23	-78.81096525	42.87961945
GS24	-78.80996334	42.87815208
GS25	-78.80997663	42.87933550
GS26	-78.80933702	42.87971130
GS27	-78.80921388	42.87919514
GS28	-78.80891920	42.87941551
GS29	-78.80837496	42.87934277
GS30	-78.80903309	42.87985156
GS31	-78.80955382	42.87951359
GS32	-78.80924518	42.88020593
GS33	-78.80974044	42.87994373
GS34	-78.81022602	42.87968677
GS35	-78.81019621	42.87888150
GS36	-78.80967590	42.87851539
GS37	-78.80915577	42.87952672
GS38	-78.80865732	42.88034922
GS39	-78.80868424	42.87995460
GS40	-78.80828332	42.87979322
TS1	-78.80789726	42.87992185
TS2	-78.80817065	42.88010158
TS3	-78.80913821	42.88023550
TS4	-78.81018006	42.87956530
TS5	-78.81129955	42.87952028
TS6	-78.81160570	42.87937369
TS07	-78.81256241	42.87919699
TS08	-78.80803336	42.87959176
TS09	-78.80780430	42.88021370
TS10	-78.80833955	42.88027604
TS11	-78.80895783	42.88029211
TS12	-78.80999944	42.87975746
TS13	-78.81067012	42.87971744
TS14	-78.81162943	42.87943428
TS15	-78.81220577	42.87930966
TS16	-78.81291904	42.87908433
TS17	-78.81318786	42.87883574
TS18	-78.81108296	42.87885751
TS19	-78.81108462	42.87809141
TS20	-78.81081888	42.87796106
TS21	-78.81032114	42.87795080

CONFIRMATORY SAMPLES							
CSW & CSB samples collected during RA (2015)							
SAMPLE ID	LONGITUDE	LATITUDE	AREA	SAMPLE ID	LONGITUDE	LATITUDE	AREA
CSW-1	-78.80748665	42.88007247	MW-7-N	CSW-47	-78.81213304	42.87931611	TS-15-E
CSW-2	-78.80752423	42.88004413	MW-7-S	CSW-48	-78.81227249	42.87929224	TS-15-W
CSW-3	-78.80747349	42.88004396	MW-7-EN	CSB-10	-78.81220688	42.87930691	TS-15-B
CSW-4	-78.80749656	42.88002745	MW-7-ES	CSW-49	-78.81286018	42.87920847	GS-19-N
CSW-5	-78.80753218	42.88007540	MW-7-W	CSW-50	-78.81271778	42.87924333	GS-19-N
CSB-1	-78.80750115	42.88005844	MW-7-B	CSW-51	-78.81284024	42.87916324	GS-19-S
CSW-6	-78.80778133	42.88025875	TS-9-N	CSW-52	-78.81277919	42.87920232	GS-19-E
CSW-7	-78.80781052	42.88017994	TS-9-S	CSW-53	-78.81291749	42.87916857	GS-19-W
CSW-8	-78.80774502	42.88022699	TS-9-EN	CSB-11	-78.81284852	42.87918517	GS-19-B
CSW-9	-78.80778112	42.88020085	TS-9-ES	CSW-54	-78.81368439	42.87881993	GS-17-N
CSW-10	-78.80783157	42.88022463	TS-9-W	CSW-55	-78.81364411	42.87882385	GS-17-N
CSB-2	-78.80779871	42.88021728	TS-9-B	CSW-56	-78.81367189	42.87876947	GS-17-S
CSW-11	-78.80902985	42.87988505	GS-30-N	CSW-57	-78.81361744	42.87877561	GS-17-S
CSW-12	-78.80900023	42.87984587	GS-30-S	CSW-58	-78.81369960	42.87879657	GS-17-W
CSW-13	-78.80901152	42.87987246	GS-30-E	CSW-59	-78.81370179	42.87878340	GS-17-W
CSW-14	-78.80905504	42.87983478	GS-30-W	CSB-12	-78.81364513	42.87879613	GS-17-WB
CSB-3	-78.80903725	42.87986665	GS-30-B	CSB-5-4	-78.81049354	42.87968871	MW-2-B
CSW-15	-78.81015302	42.87961804	TS-4-N	CSW-3-3	-78.80903725	42.87986665	GS-30-B
CSW-16	-78.81011556	42.87957860	TS-4-S	CSW-21-4	-78.81063785	42.87966812	TS-13-S
CSW-17	-78.81010675	42.87961621	TS-4-E	CSB-13	-78.81357389	42.87880341	GS-17-MMW
CSW-18	-78.81016110	42.87958290	TS-4-W	CSB-14	-78.81343999	42.87881411	GS-17-ME
CSB-4	-78.81013507	42.87960738	TS-4-B	CSB-15	-78.81349083	42.87884144	GS-17-E
CSW-19	-78.81069022	42.87970478	TS-13-NW	CSB-16	-78.81275198	42.87920951	GS-19
CSW-20	-78.81064736	42.87971639	TS-13-NE	CSW-50-2	-78.81271031	42.87924060	GS-19-NE
CSW-21	-78.81064986	42.87968702	TS-13-S	CSW-51-2A	-78.81272568	42.87915990	GS-19-S
CSW-22	-78.81062308	42.87971013	TS-13-E	CSW-51-2B	-78.81276299	42.87915982	GS-19-S
CSW-23	-78.81069276	42.87968612	TS-13-W	CSW-52-2	-78.81268102	42.87918990	GS-19-E
CSB-6	-78.81066894	42.87969988	TS-13-B	CSW-53-2	-78.81279455	42.87911888	GS-19-W
CSW-24	-78.81050403	42.87970158	MW-2-N	CSW-60	-78.81218874	42.87934536	TS-15-N
CSW-25	-78.81045723	42.87965475	MW-2-S	CSB-5-5	-78.81048267	42.87967528	MW-2-B
CSW-26	-78.81047828	42.87969889	MW-2-EN	CSW-21-5	-78.81068855	42.87965649	TS-13-S
CSW-27	-78.81045843	42.87967862	MW-2-ES	CSB-12-2	-78.81332811	42.87882586	GS-17-WB
CSW-28	-78.81049720	42.87967004	MW-2-W	CSB-13-2	-78.81314014	42.87884517	GS-17-MMW
CSB-5	-78.81049354	42.87968871	MW-2-B	CSB-14-2	-78.81295255	42.87886448	GS-17-ME
CSW-29	-78.81137044	42.87921474	GS-21-N	CSB-15-2	-78.81308348	42.87885708	GS-17-EB
CSW-30	-78.81135011	42.87916539	GS-21-S	CSW-55-2	-78.81309587	42.87887846	GS-17-WN
CSW-31	-78.81139346	42.87918534	GS-21-W	CSW-61	-78.81301607	42.87888959	GS-17-MS
CSB-7	-78.81135654	42.87918898	GS-21-B	CSW-62	-78.81296498	42.87889683	GS-17-MN
CSW-18-2	-78.81016928	42.87957630	TS-4-W	CSW-63	-78.81319375	42.87881433	GS-17-MS
CSB-4-2	-78.81013507	42.87960738	TS-4-B	CSW-64	-78.81314229	42.87882157	GS-17-MS
CSW-14-2	-78.80906325	42.87983504	GS-30-W	CSW-65	-78.81296362	42.87883180	GS-17-EN
CSW-32	-78.81185066	42.87932875	GS-20-N	CSW-66	-78.81309305	42.87882386	GS-17-ES
CSW-33	-78.81181950	42.87927750	GS-20-S	CSW-67	-78.81299617	42.87885671	GS-17-E
CSW-34	-78.81180210	42.87931376	GS-20-E	CSW-68	-78.81265662	42.87925031	GS-19-NE
CSW-35	-78.81187964	42.87929714	GS-20-W	CSW-69	-78.81261199	42.87918619	GS-19-E
CSB-8	-78.81184012	42.87930572	GS-20-B	CSW-70	-78.81257846	42.87909901	GS-19-SE
CSW-36	-78.81125153	42.87954754	TS-5-N	CSW-51-3B	-78.81268136	42.87907904	GS-19-SW
CSW-37	-78.81131191	42.87953287	TS-5-N	CSB-17	-78.81269567	42.87911441	GS-19-EB
CSW-38	-78.81121776	42.87949739	TS-5-S	CSB-15-3	-78.81338101	42.87880462	GS-17-EB
CSW-39	-78.81126221	42.87950938	TS-5-S	CSW-51-4B	-78.81258565	42.87912725	GS-19-SW
CSW-40	-78.81129382	42.87948270	TS-5-S	CSW-70-2	-78.81259622	42.87916098	GS-19-SE
CSW-41	-78.81121789	42.87953114	TS-5-E	CSW-70-3	-78.81258072	42.87910586	GS-19-SE
CSW-42	-78.81133232	42.87950073	TS-5-W				
CSW-43	-78.81124281	42.87950969	TS-5-S				
CSB-9	-78.81130624	42.87951176	TS-5-B				
CSW-18-3	-78.81016813	42.87956917	TS-4-W				
CSW-20-2	-78.81061564	42.87971535	TS-13-NE				
CSW-21-2	-78.81063941	42.87968485	TS-13-S				
CSW-23-2	-78.81069536	42.87968282	TS-13-W				
CSB-6-2	-78.81066894	42.87969988	TS-13-B				
CSB-5-2	-78.81049354	42.87968871	MW-2-B				
CSW-12-2	-78.80902252	42.87981811	GS-30-S				
CSB-3-2	-78.80903725	42.87986665	GS-30-B				
CSW-21-3	-78.81065762	42.87966533	TS-13-S				
CSW-23-3	-78.81070579	42.87967621	TS-13-W				
CSB-5-3	-78.81049354	42.87968871	MW-2-B				
CSW-44	-78.81222154	42.87933515	TS-15-N				
CSW-45	-78.81215595	42.87935531	TS-15-N				
CSW-46	-78.81393144	42.87893852	TS-15-S				

**SAMPLE KEY:**

GS = Geoprobe boring soil samples; TS = Test pit soil samples

MW = Monitoring well soil boring samples

CSW = Confirmatory soil wall samples

CSB = Confirmatory soil bottom samples

RI = Remedial Investigation; RA = Remedial Action

**TABLE G-5**  
**132 DINGENS STREET - BCP RI/RA**  
**SURVEY COORDINATES FOR SAMPLE LOCATIONS**  
**B. NEW YORK STATE PLANE COORDINATES (NAD83)**

INVESTIGATION SAMPLES		
Phase II: GS1 to GS16 & TS1 to TS7 (2011) RI: MW1 to MW7, GS18 to GS40 & TS8 to TS17 (2013) RA: TS18 to TS21 (2015)		
SAMPLE ID	NORTHING	EASTING
MW-1	1049039.3	1087000.6
MW-2	1049309.4	1087413.9
MW-3	1049020.3	1087253.2
MW-4	1048693.1	1087441.6
MW-5	1049275.4	1087710.0
MW-6	1049631.3	1088007.7
MW-7	1049446.8	1088211.7
MW-8	1048846.1	1087644.1
GS1	1048743.6	1087301.0
GS2	1048893.9	1087299.1
GS3	1048992.4	1087288.0
GS4	1049080.3	1087307.5
GS5	1049073.9	1087308.8
GS6	1049078.6	1087313.2
GS7	1049082.9	1087311.7
GS8	1049159.6	1087098.2
GS9	1049071.4	1087082.6
GS10	1049050.1	1086892.1
GS11	1049328.2	1087390.7
GS12	1049294.2	1087732.8
GS13	1049209.6	1087805.5
GS14	1049215.5	1087718.2
GS15	1049078.3	1087590.7
GS16	1049332.2	1087792.7
GS17	1048989.6	1086551.1
GS18	1049014.5	1086766.6
GS19	1049133.8	1086773.7
GS20	1049169.8	1087046.1
GS21	1049128.5	1087173.9
GS22	1049061.2	1087197.0
GS23	1049285.1	1087280.1
GS24	1048749.6	1087547.2
GS25	1049180.9	1087544.8
GS26	1049317.4	1087716.6
GS27	1049129.2	1087749.1
GS28	1049209.3	1087828.3
GS29	1049182.4	1087974.1
GS30	1049368.3	1087798.2
GS31	1049245.5	1087658.3
GS32	1049497.6	1087741.7
GS33	1049402.4	1087608.7
GS34	1049309.1	1087478.3
GS35	1049015.6	1087485.5
GS36	1048881.8	1087624.6
GS37	1049250.0	1087765.0
GS38	1049549.4	1087899.4
GS39	1049405.6	1087891.8
GS40	1049346.5	1087999.1
TS1	1049393.1	1088102.7
TS2	1049458.8	1088029.6
TS3	1049508.3	1087770.4
TS4	1049264.8	1087490.5
TS5	1049249.2	1087190.4
TS6	1049196.0	1087108.2
TS07	1049132.3	1086851.6
TS08	1049272.9	1088065.9
TS09	1049499.4	1088127.9
TS10	1049522.5	1087984.5
TS11	1049528.8	1087818.8
TS12	1049334.7	1087539.1
TS13	1049320.6	1087359.3
TS14	1049218.1	1087101.9
TS15	1049173.1	1086947.3
TS16	1049091.5	1086755.9
TS17	1049001.1	1086683.6
TS18	1049007.5	1087247.8
TS19	1048728.3	1087246.6
TS20	1048680.6	1087317.7
TS21	1048676.5	1087451.1

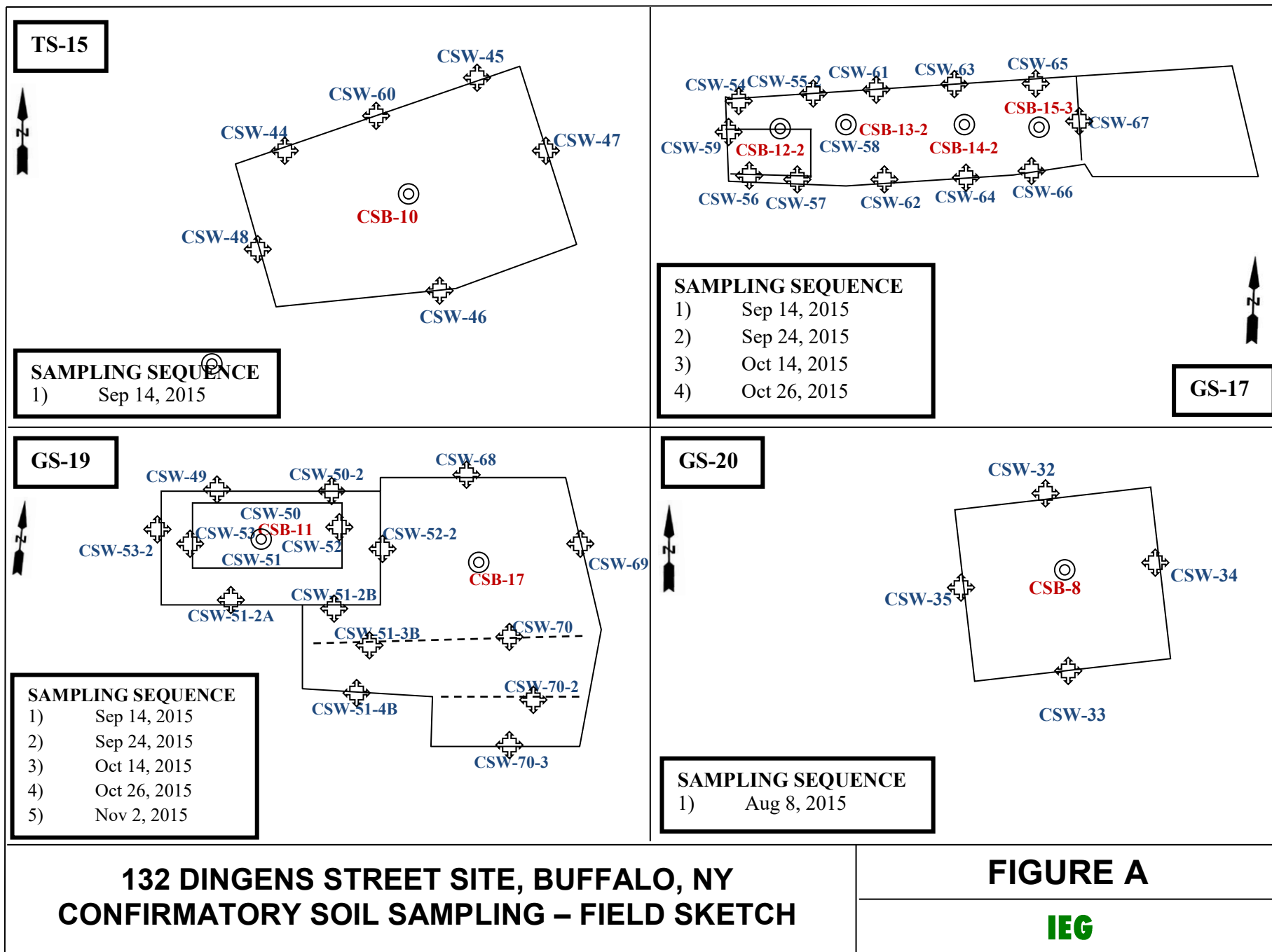
CONFIRMATORY SAMPLES							
CSW & CSB samples collected during RA (2015)							
SAMPLE ID	NORTHING	EASTING	AREA	SAMPLE ID	NORTHING	EASTING	AREA
CSW-1	1049447.7	1088212.9	MW-7-N	CSW-47	1049175.4	1086966.8	TS-15-E
CSW-2	1049437.4	1088202.8	MW-7-S	CSW-48	1049166.8	1086929.4	TS-15-W
CSW-3	1049437.3	1088216.4	MW-7-EN	CSB-10	1049172.1	1086947.0	TS-15-B
CSW-4	1049431.3	1088210.2	MW-7-ES	CSW-49	1049136.7	1086771.8	GS-19-N
CSW-5	1049448.8	1088200.7	MW-7-W	CSW-50	1049149.3	1086810.0	GS-19-N
CSB-1	1049442.6	1088209.0	MW-7-B	CSW-51	1049120.2	1086777.1	GS-19-S
CSW-6	1049515.8	1088134.1	TS-9-N	CSW-52	1049134.4	1086793.5	GS-19-E
CSW-7	1049487.1	1088126.2	TS-9-S	CSW-53	1049122.2	1086756.4	GS-19-W
CSW-8	1049504.2	1088143.8	TS-9-EN	CSB-11	1049128.2	1086774.9	GS-19-B
CSW-9	1049494.7	1088134.1	TS-9-ES	CSW-54	1048995.7	1086550.5	GS-17-N
CSW-10	1049503.4	1088120.6	TS-9-W	CSW-55	1048997.1	1086561.3	GS-17-N
CSB-2	1049500.7	1088129.4	TS-9-B	CSW-56	1048977.3	1086553.8	GS-17-S
CSW-11	1049380.5	1087799.1	GS-30-N	CSW-57	1048979.5	1086568.4	GS-17-S
CSW-12	1049366.2	1087807.0	GS-30-S	CSW-58	1048987.2	1086546.4	GS-17-W
CSW-13	1049375.9	1087804.0	GS-30-E	CSW-59	1048982.4	1086545.8	GS-17-W
CSW-14	1049362.2	1087792.3	GS-30-W	CSB-12	1048987.0	1086561.0	GS-17-WB
CSB-3	1049373.8	1087797.1	GS-30-B	CSB-5-4	1049310.0	1087406.6	MW-2-B
CSW-15	1049284.0	1087497.8	TS-4-N	CSW-3-3	1049373.8	1087797.1	GS-30-B
CSW-16	1049269.6	1087507.8	TS-4-S	CSW-21-4	1049302.6	1087367.9	TS-13-S
CSW-17	1049283.3	1087510.2	TS-4-E	CSB-13	1048989.6	1086580.1	GS-17-MW
CSW-18	1049271.2	1087495.6	TS-4-W	CSB-14	1048993.4	1086616.0	GS-17-ME
CSB-4	1049280.1	1087502.6	TS-4-B	CSB-15	1049003.4	1086602.4	GS-17-E
CSW-19	1049316.0	1087353.9	TS-13-NW	CSB-16	1049137.0	1086800.8	GS-19
CSW-20	1049320.2	1087365.4	TS-13-NE	CSW-50-2	1049148.3	1086812.0	GS-19-NE
CSW-21	1049309.5	1087364.7	TS-13-S	CSW-51-2A	1049118.9	1086807.8	GS-19-S
CSW-22	1049317.9	1087371.9	TS-13-E	CSW-51-2B	1049118.9	1086797.8	GS-19-S
CSW-23	1049309.2	1087353.2	TS-13-W	CSW-52-2	1049129.8	1086819.8	GS-19-E
CSB-6	1049314.2	1087359.6	TS-13-B	CSW-53-2	1049104.0	1086789.3	GS-19-W
CSW-24	1049314.7	1087403.8	MW-2-N	CSW-60	1049186.1	1086951.9	TS-15-N
CSW-25	1049297.6	1087416.3	MW-2-S	CSB-5-5	1049305.1	1087409.5	MW-2-B
CSW-26	1049313.7	1087410.7	MW-2-EN	CSW-21-5	1049298.4	1087354.3	TS-13-S
CSW-27	1049306.3	1087416.0	MW-2-ES	CSB-12-2	1048997.6	1086646.0	GS-17-WB
CSW-28	1049303.2	1087405.6	MW-2-W	CSB-13-2	1049004.5	1086696.4	GS-17-MW
CSB-5	1049310.0	1087406.6	MW-2-B	CSB-14-2	1049011.4	1086746.7	GS-17-ME
CSW-29	1049137.9	1087171.1	GS-21-N	CSB-15-2	1049008.8	1086711.6	GS-17-EB
CSW-30	1049119.9	1087176.5	GS-21-S	CSW-55-2	1049016.6	1086708.3	GS-17-WN
CSW-31	1049127.2	1087164.9	GS-21-W	CSW-61	1049020.6	1086729.7	GS-17-MS
CSB-7	1049128.5	1087174.8	GS-21-B	CSW-62	1049023.2	1086743.4	GS-17-MN
CSW-18-2	1049268.8	1087493.4	TS-4-W	CSW-63	1048993.3	1086682.0	GS-17-MS
CSB-4-2	1049280.1	1087502.6	TS-4-B	CSW-64	1048995.9	1086695.8	GS-17-MS
CSW-14-2	1049362.3	1087790.1	GS-30-W	CSW-65	1048999.5	1086743.7	GS-17-EN
CSW-32	1049179.8	1087042.5	GS-20-N	CSW-66	1048996.7	1086709.0	GS-17-ES
CSW-33	1049161.1	1087050.8	GS-20-S	CSW-67	1049008.6	1086735.0	GS-17-E
CSW-34	1049174.3	1087055.5	GS-20-E	CSW-68	1049151.8	1086826.4	GS-19-NE
CSW-35	1049168.3	1087034.7	GS-20-W	CSW-69	1049128.4	1086838.3	GS-19-E
CSB-8	1049171.4	1087045.3	GS-20-B	CSW-70	1049096.6	1086847.2	GS-19-SE
CSW-36	1049259.1	1087203.3	TS-5-N	CSW-51-3B	1049089.4	1086819.6	GS-19-SW
CSW-37	1049253.8	1087187.1	TS-5-N	CSB-17	1049102.3	1086815.8	GS-19-EB
CSW-38	1049240.8	1087212.3	TS-5-S	CSB-15-3	1048989.9	1086631.8	GS-17-EB
CSW-39	1049245.2	1087200.4	TS-5-S	CSW-51-4B	1049106.9	1086845.3	GS-19-SW
CSW-40	1049235.5	1087191.9	TS-5-S	CSW-70-2	1049119.2	1086842.5	GS-19-SE
CSW-41	1049253.1	1087212.3	TS-5-E	CSW-70-3	1049099.1	1086846.6	GS-19-SE
CSW-42	1049242.1	1087181.6	TS-5-W				
CSW-43	1049245.3	1087205.6	TS-5-S				
CSB-9	1049246.1	1087188.6	TS-5-B				
CSW-18-3	1049266.2	1087493.7	TS-4-W				
CSW-20-2	1049319.8	1087373.9	TS-13-NE				
CSW-21-2	1049308.7	1087367.5	TS-13-S				
CSW-23-2	1049308.0	1087352.5	TS-13-W				
CSB-6-2	1049314.2	1087359.6	TS-13-B				
CSB-5-2	1049310.0	1087406.6	MW-2-B				
CSW-12-2	1049356.1	1087801.0	GS-30-S				
CSB-3-2	1049373.8	1087797.1	GS-30-B				
CSW-21-3	1049301.6	1087362.6	TS-13-S				
CSW-23-3	1049305.6	1087349.7	TS-13-W				
CSB-5-3	1049310.0	1087406.6	MW-2-B				
CSW-44	1049182.4	1086943.1	TS-15-N				
CSW-45	1049189.7	1086960.7	TS-15-N				
CSW-46	1049039.1	1086484.4	TS-15-S				

SAMPLE KEY:  
GS = Geoprobe boring soil samples; TS = Test pit soil samples  
MW = Monitoring well soil boring samples  
CSW = Confirmatory soil wall samples  
CSB = Confirmatory soil bottom samples  
RI = Remedial Investigation; RA = Remedial Action

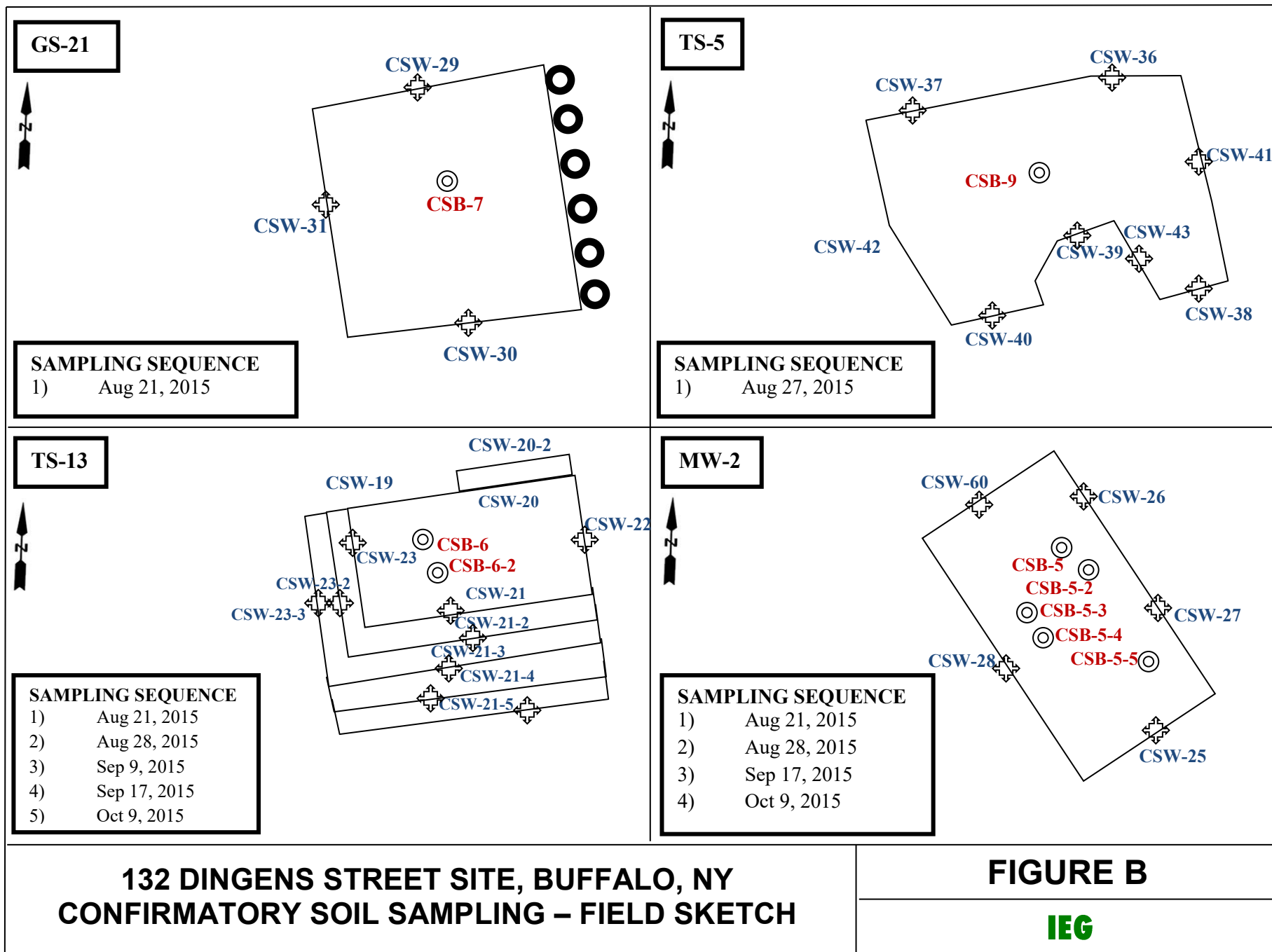
# **APPENDIX H**

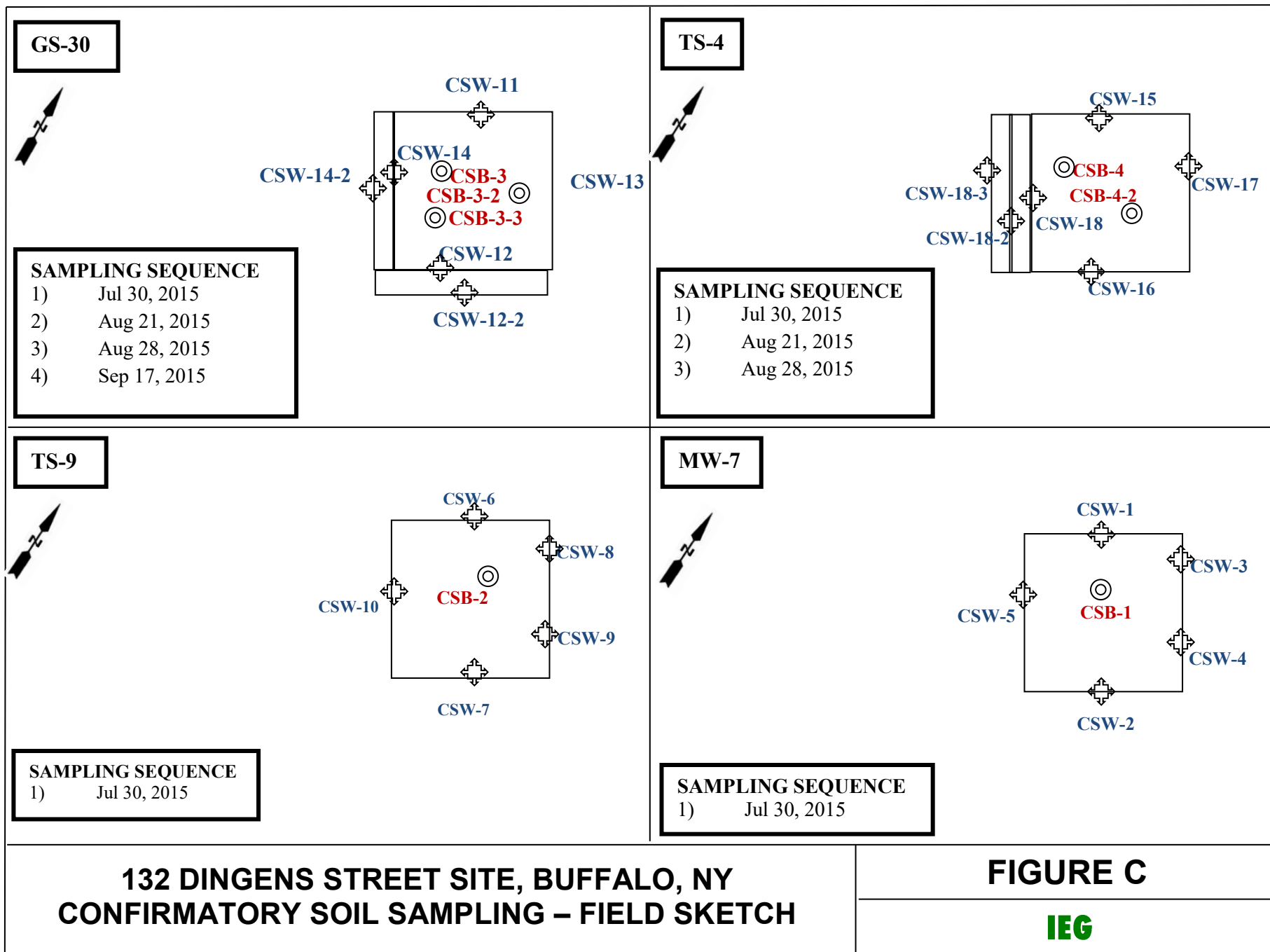
## **INTERMEDIATE & FINAL CONFIRMATORY SOIL SAMPLES**

**(FIELD SKETCHES; LOCATION FIGURES; & ANALYTICAL TABLES)**









**TABLE H-1**  
**132 DINGENS STREET - BCP REMEDIATION 2015**  
**ANALYTICAL DATA - INTERMEDIATE AND FINAL CONFIRMATORY SOIL SAMPLES**  
**METALS, TOTAL SVOCs & TOTAL PCBs**

SAMPLE ID	LOCATION	SAMPLE DATE	EXCAVATION DIMENSIONS (ft)	SAMPLE DEPTH(ft)	TOTAL LEAD (mg/Kg)	TOTAL ARSENIC (mg/Kg)	TOTAL MERCURY (mg/Kg)	TOTAL SVOCs (mg/Kg)	TOTAL PCBs (mg/Kg)	REMARKS/ ACTION
<b>PROPOSED EXCAVATION THRESHOLD LIMIT (PETL) &gt;&gt;</b>					5000	71	5.7	500	1	
CSW-1	MW-7-N	7/30/2015 LAB SDG# 84833	20'W x 8'D	2' - 6'	2830	NA	NA	NA	NA	BACKFILL EXCAVATION
CSW-2	MW-7-S		20'W x 8'D	2' - 6'	166					
CSW-3	MW-7-EN		16'W x 8'D	2' - 6'	2140					
CSW-4	MW-7-ES			2' - 6'	1710					
CSW-5	MW-7-W		16'W x 8'D	2' - 6'	611					
CSB-1	MW-7-B		20'x16'W@8'D	8'	53.6	NA	NA	NA	NA	BACKFILL EXCAVATION
CSW-6	TS-9-N		17'W x 5.2'D	1' - 4'	1610					
CSW-7	TS-9-S		17'W x 5.2'D	1' - 4'	3220					
CSW-8	TS-9-EN		28'W x 5.2'D	1' - 4'	860					
CSW-9	TS-9-ES			1' - 4'	1960					
CSW-10	TS-9-W		28'W x 5.2'D	1' - 4'	2160					
CSB-2	TS-9-B		20'x16'W@8'D	8'	4090 J	NA	NA	NA	NA	ADDITIONAL EXCAVATION EAST/SOUTH WALLS & BOTTOM
CSW-11	GS-30-N		19'W x 4.3'D	1' - 4'	2370					
CSW-12	GS-30-S		19'W x 4.3'D	1' - 4'	2360/6110					
CSW-13	GS-30-E		19'W x 4.3'D	1' - 4'	1410					
CSW-14	GS-30-W		19'W x 4.3'D	1' - 4'	6530					
CSB-3	GS-30-B		19'x19'W@4.3'D	4.3'	14400 J	NA	NA	NA	NA	ADDITIONAL EXCAVATION WEST WALL & BOTTOM
CSW-15	TS-4-N		19'W x 4'D	0' - 4'	1950					
CSW-16	TS-4-S		19'W x 4'D	0' - 4'	4610					
CSW-17	TS-4-E		19'W x 4'D	0' - 4'	2870					
CSW-18	TS-4-W		19'W x 4'D	0' - 4'	9450					
CSB-4	TS-4-B		19'x19'W@4'D	4'	11600	NA	0.51	NA	NA	ADDITIONAL EXCAVATION & WEST WALLS
CSW-19	TS-13-NW	8/21/2015 LAB SDG# 86066	21'W x 4'D	1' - 4'	NA	47.8 J				
CSW-20	TS-13-NE			1' - 4'		113 J	1.6			
CSW-21	TS-13-S		21'W x 4'D	1' - 4'		79.3 J	3.7			
CSW-22	TS-13-E		21'W x 4'D	1' - 4'		45.4 J	2.9			
CSW-23	TS-13-W		12'W x 4'D	1' - 4'		312 J	9.8			
CSB-6	TS-13-B		21'x12'W@4'D	4'	NA	27.3 J	6.3	NA	NA	ADDITIONAL EXCAVATION BOTTOM
CSW-24	MW-2-N		12'W x 5.5'D	1' - 4'		69.3 J	0.96			
CSW-25	MW-2-S		12'W x 5.5'D	1' - 4'		28.6 J	1.8			
CSW-26	MW-2-EN		22'W x 5.5'D	1' - 4'		52.1 J	3.8			
CSW-27	MW-2-ES			1' - 4'		32.5 J	1.6			
CSW-28	MW-2-W		22'W x 5.5'D	1' - 4'		40.7 J	1.9			
CSB-5	MW-2-B		12'x22'W@5.5'D	5.5'	NA	156 J	5.4	NA	NA	BACKFILL EXCAVATION
CSW-29	GS-21-N		20'W x 6.6'D	2' - 5.5'		NA	0.54			
CSW-30	GS-21-S		22'W x 6.5'D	2' - 5.5'			0.67			
CSW-31	GS-21-W		22'W x 6.5'D	2' - 5.5'			1.6			
CSB-7	GS-21-B		22'x22'W@6.5'D	6.5'			2.2			
CSW-18-2	TS-4-W	8/27/2015 LAB SDG# 86308	19'W x 5.5'D	2' - 5'	7370	NA	NA	NA	NA	ADD. EXCAV. WEST WALL
CSB-4-2	TS-4-B		21'x19'W@5.5'D	5.5'	93.4					
CSW-14-2	GS-30-W		21'W x 4.3'D	1' - 4'	2520	NA	NA	NA	NA	--
CSW-32	GS-20-N		22'W x 6.5'D	2' - 5.5'	2070 J	NA	NA	NA	NA	BACKFILL EXCAVATION
CSW-33	GS-20-S		22'W x 6.5'D	2' - 5.5'	1100 J					
CSW-34	GS-20-E		22'W x 6.5'D	2' - 5.5'	1690 J					
CSW-35	GS-20-W		22'W x 6.5'D	2' - 5.5'	2660 J					
CSB-8	GS-20-B		22'x22'W@6.5'D	6.5'	865 J					
CSW-36	TS-5-NE		30'W x 6.5'D	2' - 6'	NA	NA	NA	284.1	NA	BACKFILL EXCAVATION
CSW-37	TS-5-NW			2' - 6'				42.2		
CSW-38	TS-5-SE			2' - 6'				33.0		
CSW-39	TS-5-SM		30'W x 6.5'D	2' - 6'				34.1		
CSW-40	TS-5-SW			2' - 6'				117.9		
CSW-41	TS-5-E		20'W x 6.5'D	2' - 6'				478.2		
CSW-42	TS-5-W		20'W x 6.5'D	2' - 6'				26.5		
CSW-43	TS-5-SM		10'W x 6.5'D	2' - 6'				90.9		
CSB-9	TS-5-B		30'x20'W@6.5'D	6.5'				0.83		
CSW-18-3	TS-4-W	8/28/15 LAB SDG# 86366	19'W x 5.5'D	2' - 5'	3320	NA	NA	NA	NA	BACKFILL
CSW-20-2	TS-13-NE		13'W x 7'D	2' - 6'	NA	59.7	2.5	NA	NA	ADDITIONAL EXCAVATION WEST/SOUTH WALL & BOTTOM
CSW-21-2	TS-13-S		26'W x 7'D	2' - 6'		75.7	1.9			
CSW-23-2	TS-13-W		15'W x 7'D	2' - 6'		126	3.1			
CSB-6-2	TS-13-B		26'x15'W@7'D	7'		3.7	ND			
CSB-5-2	MW-2-B		15'x22'W@7.5'D	7.5'		89.3	0.43			
CSW-12-2	GS-30-S		21'W x 6.3'D	2' - 6'	1680	NA	NA	NA	NA	EVALUATE
CSB-3-2	GS-30-B		21'x21'W@6.3'D	6.3'	5790					

**TABLE H-1**  
**132 DINGENS STREET - BCP REMEDIATION 2015**  
**ANALYTICAL DATA - INTERMEDIATE AND FINAL CONFIRMATORY SOIL SAMPLES**  
**METALS, TOTAL SVOCs & TOTAL PCBs**

SAMPLE ID	LOCATION	SAMPLE DATE	EXCAVATION DIMENSIONS (ft)	SAMPLE DEPTH(ft)	TOTAL LEAD (mg/Kg)	TOTAL ARSENIC (mg/Kg)	TOTAL MERCURY (mg/Kg)	TOTAL SVOCs (mg/Kg)	TOTAL PCBs (mg/Kg)	REMARKS/ ACTION
<b>PROPOSED EXCAVATION THRESHOLD LIMIT (PETL) &gt;&gt;</b>					5000	71	5.7	500	1	
CSW-21-3	TS-13-S	9/9/15 LAB SDG# 86938	26'W x 7'D	2' - 6'	NA	125	5.9	NA	NA	ADDITIONAL SOUTH WALL & BOTTOM EXCAVATION
CSW-23-3	TS-13-W		15'W x 7'D	2' - 6'		29	2.4			
CSB-5-3	MW-2-B		12'x22'W@9.5'D	9.5'		84.6	11.2			
CSW-44	TS-15-NW*	9/14/2015 LAB SDG# 87201	40'W x 2'D	0' - 2'	5200 J	NA	NA	104.8	1.8	EVALUATE
CSW-45	TS-15-NE			0' - 2'	1080 J			66.4	2.16	
CSW-46	TS-15-S		40'W x 2'D	0' - 2'	1750			54.1	0.065	
CSW-47	TS-15-E		20'W x 2'D	0' - 2'	989 J			48.7	0.47	
CSW-48	TS-15-W		20'W x 2'D	0' - 2'	1800 J			220.9	0.46	
CSB-10	TS-15-B		20'x40'W@2'D	2'	3040 J			75.1	0.29	
CSW-49	GS-19-NW		40'W x 2'D	0' - 2'	NA	NA	NA	0.29	33.0	ADDITIONAL EXCAVATION ALL WALLS
CSW-50	GS-19-NE			0' - 2'				2.84		
CSW-51	GS-19-S		40'W x 2'D	0' - 2'				1.70		
CSW-52	GS-19-E		18'W x 2'D	0' - 2'				5.32		
CSW-53	GS-19-W		18'W x 2'D	0' - 2'				0.68		
CSB-11	GS-19-B		18'x40'W@2'D	2'	NA	NA	NA	10.20	5.44	ADDITIONAL EXCAVATION ALL WALLS & BOTTOM
CSW-54	GS-17-NW		26'W x 2'D	0' - 2'				1.67		
CSW-55	GS-17-NE			0' - 2'				2.09		
CSW-56	GS-17-SW		26'W x 2'D	0' - 2'				13.30		
CSW-57	GS-17-SE		13'W x 2'D	0' - 2'				3.24		
CSW-58	GS-17-E		13'W x 2'D	0' - 2'				1.96		
CSB-12	GS-17-B		13'x26'W@2'D	2'						
CSB-5-4	MW-2-B	9/17/15 LAB SDG# 87473	12'x22'W@9.5'D	9.5'	1060	NA	NA	NA	NA	BACKFILL
CSW-3-3	GS-30-B		21'x21'W@7.3'D	7.3'	34.6					
CSW-21-4	TS-13-S		29'W x 7'D	2' - 6'	NA	111	3.3 J			ADDL. EXCAVATION
CSB-13	GS-17-MW	9/24/15 LAB SDG# 87872	30'W x 2'D	2'	NA	NA	NA	10.0	1.43	ADDITIONAL EXCAVATION
CSB-14	GS-17-ME		30'W x 2'D	2'				1.20		
CSB-15	GS-17-E		30'W x 2'D	2'				1.09		
CSB-16	GS-19/TS-15		BETWEEN AREAS	0' - 1'	NA	NA	NA	1.30	0	ADDITIONAL EXCAVATION
CSW-50-2	GS-19-NE		20'W x 2'D	0' - 2'				0		
CSW-51-2A	GS-19-SW		64'W x 2'D	0' - 2'				1.77		
CSW-51-2B	GS-19-SE			0' - 2'				1.10		
CSW-52-2	GS-19-E		32'W x 2'D	0' - 2'				0		
CSW-53-2	GS-19-W		32'W x 2'D	0' - 2'				0		
CSW-60	TS-15-NM		WALL MIDDLE	1'	NA	NA	NA	NA	0	BACKFILL
CSB-5-5	MW-2-B	10/9/2015 LAB SDG# 88825	12'x22'W@10.5'D	10.5'	NA	6.7	0.022 J	NA	NA	BACKFILL
CSW-21-5	TS-13-S		31'W x 7'D	2' - 6'		53.8	1.6			
CSB-12-2	GS-17-WB	10/14/15 LAB SDG# 89114	23'x26'W@3'D	3'	NA	NA	NA	0	2.68	ADDITIONAL EXCAVATION NORTH/SOUTH WALL & BOTTOM
CSB-13-2	GS-17-MW		30'W x 2'D	3'				0		
CSB-14-2	GS-17-ME		30'W x 2'D	3'				0.34		
CSB-15-2	GS-17-EB		23'x26'W@3'D	3'				1.46		
CSW-55-2	GS-17-WN		13'W x 2'D	0' - 3'				3.17		
CSW-61	GS-17-MN		30'W x 2'D	0' - 2'				0		
CSW-62	GS-17-MS		30'W x 2'D	0' - 2'				23.1		
CSW-63	GS-17-MN		30'W x 2'D	0' - 2'				2.59		
CSW-64	GS-17-MS		30'W x 2'D	0' - 2'				0		
CSW-65	GS-17-EN		30'W x 2'D	0' - 2'				2.04		
CSW-66	GS-17-ES		30'W x 2'D	0' - 2'				0.14		
CSW-67	GS-17-E		30'W x 2'D	0' - 2'	NA	NA	NA	2.04	1.10	ADDITIONAL EXCAVATION SOUTH WALLS
CSW-68	GS-19-NE		20'W x 2'D	0' - 2'				0		
CSW-69	GS-19-E		30'W x 2'D	0' - 2'				1.15		
CSW-70	GS-19-SE		20'W x 2'D	0' - 2'				0.30		
CSW-51-3B	GS-19-SW		20'W x 2'D	0' - 2'				0		
CSB-17	GS-19-EB		30'x20'W@2'D	2'	NA	NA	NA	0	0.45	BACKFILL
CSB-15-3	GS-17-EB	10/26/15 LAB SDG# 89839	23'x30'W@3'D	3'				0		
CSW-51-4B	GS-19-SW		20'W x 2'D	0' - 2'				1.51		
CSW-70-2	GS-19-SE	11/2/2015 #90295	20'W x 2'D	0' - 2'	NA	NA	NA	1.59	1.59	EVALUATE
CSW-70-3	GS-19-SE		20'W x 2'D	0' - 2'						

Note: 1. ND - Not Detected; NA = Not Analyzed; J = Below MDL; N=North; S=South; E=East; W=West; M=Middle; B=Bottom; W =Horizontal Width; D = Vertical Depth  
2. Each sample is a composite of 7 to 10 grab samples;; CSWs are wall sample, and CSBs are bottom samples; \* = at property boundary  
3. 2<sup>nd</sup> excavation indicated by "-2" at end of sample ID; 3<sup>rd</sup> excavation by "-3"; 4<sup>th</sup> by "-4" and 5<sup>th</sup> by "-5"  
4. Confirmatory wall soil samples were taken across excavation width/depth; bottom samples were taken across excavation floor  
5. Exceedance of PETL by confirmatory soil sample indicated by GREY color shading  
6. Confirmatory soil samples below PETLs indicated by GREEN color shading

# TABLE H-2

## 132 DINGENS STREET - BCP SITE REMEDIATION 2015

### ANALYTICAL DATA - INTERMEDIATE AND FINAL CONFIRMATORY SOIL SAMPLES

#### SVOCs

SAMPLE ID/ LOCATION	PETL	CSW-36	CSW-37	CSW-38	CSW-39	CSW-40	CSW-41	CSW-42	CSW-43	CSB-9	CSW-44	CSW-45	CSW-46	CSW-47	CSW-48	CSB-10
		EXCAVATION AT TS-5 SI/RI LOCATION									EXCAVATION AT TS-15 SI/RI LOCATION					
		TS-5-N		TS-5-S			TS-5-E	TS-5-W	TS-5-S	TS-5-B	TS-15-N		TS-5-S	TS-15-E	TS-15-W	TS-15-B
DATE SAMPLED/LAB #		8/27/2015; LAB SDG #86308									9/14/2015					
SAMPLE DEPTH		2' - 6'	2' - 6'	2' - 6'	2' - 6'	2' - 6'	2' - 6'	2' - 6'	2' - 6'	6.5'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	2'
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs, µg/Kg)																
Percent Solids (%)	--	73.8	77.1	74.2	80.6	80.7	80.1	74	75.3	68.7	83.8	86.7	78.5	77.5	76.4	74.3
Biphenyl	--	430 J														
2-Methylnaphthalene	--	1400 J			230 J		920 J									
3 & 4-Methylphenol	--															
Acenaphthene	--	4400	450 J	240 J	280 J	760 J	2700 J					740 J	690 J		2000 J	960 J
Acenaphthylene	--	1700 J	200 J	280 J	230 J	1000 J	3800 J		690 J						1300 J	
Acetophenone	--															
Anthracene	--	12000	1400	830 J	1300	4000	17000		1700 J		2200 J	1800 J	1800 J	1400 J	5100	2400 J
Benzaldehyde	--															
Benzo(a)anthracene	--	23000	3400	3000	2800	8900	40000	2500 J	10000		9800	5800	4100 J	4600	19000	5800
Benzo(a)pyrene	--	18000	3800	2700	2500	8000	31000	2300 J	9000		7600	4900	3300 J	3500 J	18000	4900
Benzo(b)fluoranthene	--	23000	4500	3500	3000	9300	43000	3100 J	12000		11000	5800	3700 J	4700	23000	6700
Benzo(g,h,i)perylene	--	9400	2000	1400	1000	4600	10000	1500 J	3400 J		6000 J	4000	2800 J	2800 J	9400	4500 J
Benzo(k)fluoranthene	--	8200	2400	1800	1800	3600	20000	1400 J	6500		4100	3200 J	2000 J	1800 J	10000	2300 J
Bis(2-ethylhexyl) phthalate	--															
Butyl benzyl phthalate	--															
Carbazole	--	5500	680 J	430 J	630 J	960 J	4900				860 J	820 J	780 J	670 J	3400 J	1300 J
Chrysene	--	20000	3500	3000	2900	9100	38000	2600 J	10000		10000	5900	4100 J	4100 J	20000	5900
Dibenz(a,h)anthracene	--														3100 J	
Dibenzofuran	--	3800	410 J	160 J	350 J	930 J	4400								1200 J	630 J
Di-n-butyl phthalate	--															
Fluoranthene	--	51000	6500	6300	6400	24000	110000	5400	17000	830 J	20000	12000	11000	9300	38000	13000
Fluorene	--	6100 J	530 J	260 J	450 J	1600 J	7500 J					870 J	1000 J	640 J	2200 J	1100 J
Indeno(1,2,3-cd)pyrene	--	8800	1800	1400	1100	4100	11000	1200 J	3700 J		5200	3400 J	2200 J	2200 J	8100	3600 J
Naphthalene	--	2400			320 J										1100 J	
Phenanthrene	--	49000	5800	3500	5100	20000	77000	3100 J	5900		11000	7600	8500	6200	25000	12000
Pyrene	--	36000	4800	4200	3700	17000	57000	3400 J	11000		17000 J	9600 J	8100 J	6800 J	31000 J	10000 J
TOTAL SVOCs (µg/Kg)	500,000	284,130	42,170	33,000	34,090	117,850	478,220	26,500	90,890	830	104,760	66,430	54,070	48,710	220,900	75,090

Note: 1. ND = Not Detected; NA = Not Analyzed; J = Below MDL; N=North; S=South; E=East; W=West; CSWs are wall and CSBs are bottom samples

2. Each sample is a composite of 7 to 10 grab samples; See Figures in Report for sample locations

3. Only detected semivolatile compounds are listed; all other SVOCs are non-detect; PETL = Proposed Excavation Threshold Limit

4. There were intermediate confirmatory soil samples in the two SVOC source areas; Confirmatory soil samples below PETL indicated by GREEN color shading



**TABLE H-3**  
**132 DINGENS STREET - BCP REMEDIATION 2015**  
**ANALYTICAL DATA - INTERMEDIATE AND FINAL CONFIRMATORY SOIL SAMPLES**  
**PCBs**

SAMPLE ID	LOCATION	SAMPLE DATE/ LAB SDG#	EXCAVATION/ SAMPLE DEPTH	PCB-1242 (mg/Kg)	PCB-1248 (mg/Kg)	PCB-1254 (mg/Kg)	PCB-1260 (mg/Kg)	TOTAL PCBs (mg/Kg)	REMARKS/ ACTION
PROPOSED EXCAVATION THRESHOLD LIMIT (PETL) >>								1	
CSW-44	TS-15-N	9/14/2015 #87201	0' - 2'	ND	1.8 J	ND	ND	1.8	BOUNDARY
CSW-45				ND	1.1 J	0.63	0.43	2.16	
CSW-46	TS-15-S		0' - 2'	ND	0.065 J	ND	ND	0.065	BELOW PETL
CSW-47	TS-15-E			ND	0.24 J	0.23	ND	0.47	
CSW-48	TS-15-W		0' - 2'	ND	0.46 J	ND	ND	0.46	
CSB-10	TS-15-B			ND	0.29 J	ND	ND	0.29	
CSW-49	GS-19-N		0' - 2'	ND	0.13 J	0.16 J	ND	0.29	BELOW PETL
CSW-50				ND	33 J	ND	ND	33.0	EXCAVATED
CSW-51	GS-19-S			ND	1.5 J	1.1	0.24 J	2.84	
CSW-52	GS-19-E			ND	1.7 J	ND	ND	1.70	
CSW-53	GS-19-W			ND	1.9	2.5	0.92	5.32	
CSB-11	GS-19-B		2'	ND	0.68 J	ND	ND	0.68	BELOW PETL
CSW-54	GS-17-N		0' - 2'	ND	4.5 J	4.2	1.5	10.2	AT BOUNDARY
CSW-55				ND	2.1	2.5	0.84	5.44	EXCAVATED
CSW-56	GS-17-S			ND	0.62 J	0.67	0.38	1.67	AT BOUNDARY
CSW-57				ND	0.65	0.96	0.48	2.09	
CSW-58	GS-17-W			ND	7.5 J	4.4	1.4	13.3	EXCAVATED
CSW-59	GS-17-W			0.68	ND	1.8 J	0.76	3.24	AT BOUNDARY
CSB-12	GS-17-B		2'	0.57	ND	1.0 J	0.39	1.96	EXCAVATED
CSB-13	GS-17-MW/	9/24/15 #87872	2'	ND	ND	6.6	3.4	10	EXCAVATED
CSB-14	GS-17-ME			ND	ND	0.90	0.53	1.43	
CSB-15	GS-17-E			ND	ND	0.58	0.62 J	1.20	
CSB-16	GS-19/TS-15		2'	ND	ND	0.90	0.19 J	1.09	EXCAVATED
CSW-50-2	GS-19-NE		2'	ND	1.30	ND	ND	1.30	
CSW-51-2A	GS-19-S		0' - 2'	ND	ND	ND	ND	0	BELOW PETL
CSW-51-2B				ND	1.20	0.57	ND	1.77	EXCAVATED
CSW-52-2	GS-19-E			ND	1.10	ND	ND	1.10	EXCAVATED
CSW-53-2	GS-19-W			ND	ND	ND	ND	0	BELOW PETL
CSW-60	TS-15-N		1'	ND	ND	ND	ND	0	BELOW PETL
CSB-12-2	GS-17-EB	3'	ND	ND	ND	ND	0	BELOW PETL	
CSB-13-2	GS-17-MW		ND	ND	ND	ND	0		
CSB-14-2	GS-17-ME		ND	ND	ND	0.34	0.34		
CSB-15-2	GS-17-E		ND	ND	0.86 J	0.60 J	1.46	EXCAVATED	
CSW-55-2	GS-17-WN	0' - 3'	ND	ND	2.2	0.97 J	3.17	BOUNDARY	
CSW-61	GS-17-MN		ND	ND	1.9	0.78 J	2.68		
CSW-62	GS-17-MS	0' - 2'	ND	ND	ND	ND	0	BELOW PETL	
CSW-63	GS-17-MN		18	ND	5.1 J	ND	23.1	BOUNDARY	
CSW-64	GS-17-MS		ND	0.78 J	1.2 J	0.61 J	2.59		
CSW-65	GS-17-EN		ND	ND	ND	ND	0	BOUNDARY	
CSW-66	GS-17-ES		ND	0.55 J	0.94 J	0.55 J	2.04		
CSW-67	GS-17-E		ND	ND	0.14 J	ND	0.14	BELOW PETL	
CSW-68	GS-19-NE		0' - 2'	ND	1.4	0.64 J	ND	2.04	BOUNDARY
CSW-69	GS-19-E	ND		ND	ND	ND	0	BELOW PETL	
CSW-70	GS-19-SE	ND		0.72	0.38	ND	1.1	EXCAVATED	
CSW-51-3B	GS-19-SW	ND		0.81	0.34	ND	1.15		
CSB-17	GS-19-EB	2'	ND	0.30	ND	ND	0.30	BELOW PETL	
CSB-15-3	GS-17-EB	10/26/15 #89839	3'	ND	ND	ND	ND	0	
CSW-51-4B	GS-19-SW		0' - 2'	ND	0.29	0.16 J	ND	0.45	BELOW PETL
CSW-70-2	GS-19-SE			ND	0.77	0.57	0.17 J	1.51	EXCAVATED
CSW-70-3	GS-19-SE	11/2/2015 #90295	0' - 2'	ND	0.78	0.64	0.17 J	1.59	EVALUATE

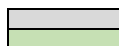
Note: 1. ND = Not Detected; NA = Not Analyzed; J = Below MDL; N=North; S=South; E=East; W=West; CSWs are wall and CSBs are bottom samples

2. EACH SOIL SAMPLE IS A COMPOSITE OF 7 TO 10 GRAB SAMPLES

3. 2<sup>nd</sup> excavation indicated by "-2" at end of sample ID; 3<sup>rd</sup> excavation by "-3"; and 4<sup>th</sup> by "-4"

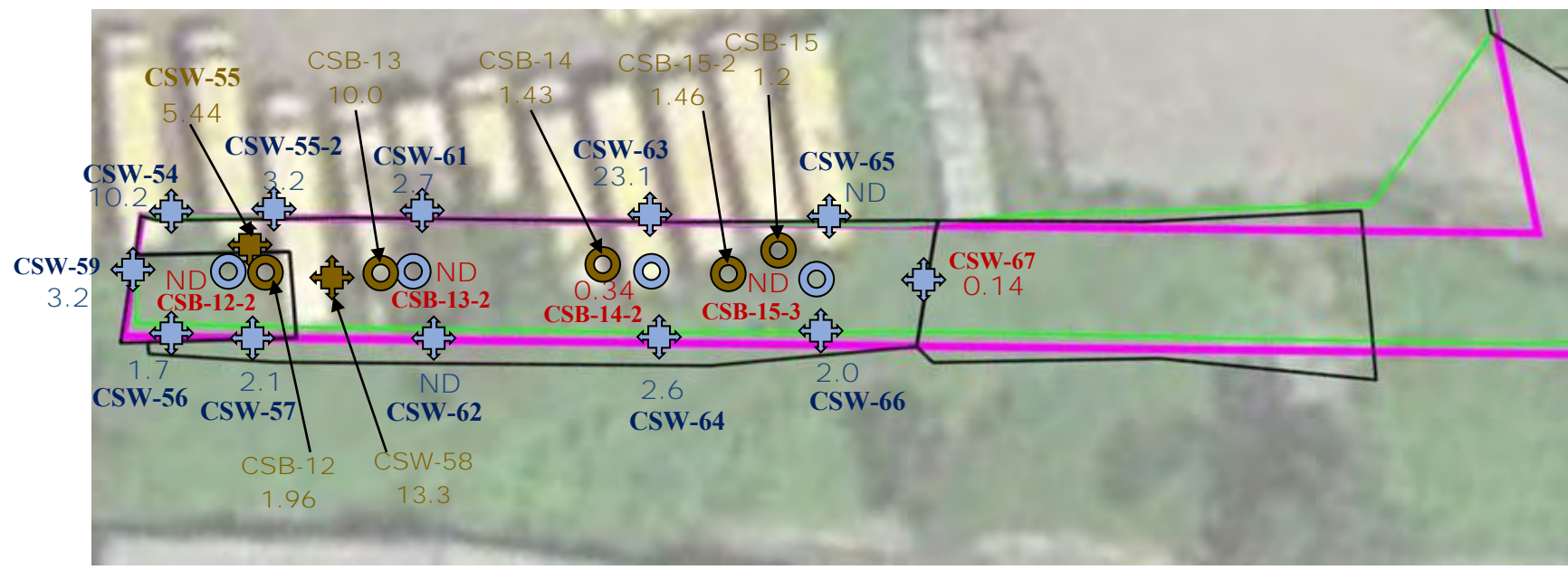
4. Exceedance of PETL by confirmatory soil sample indicated by GREY color shading

5. Confirmatory soil samples below PETLs indicated by GREEN color shading



**LEGEND**

- Limits of excavation
- Property Boundary
- CSW – Confirmatory soil wall samples
- CSB – Confirmatory soil bottom samples
- 0.14 Total PCBs mg/Kg (within property)
- 2.6 Total PCBs mg/Kg (property boundary)
- 13.3 Total PCBs mg/Kg (excavated)



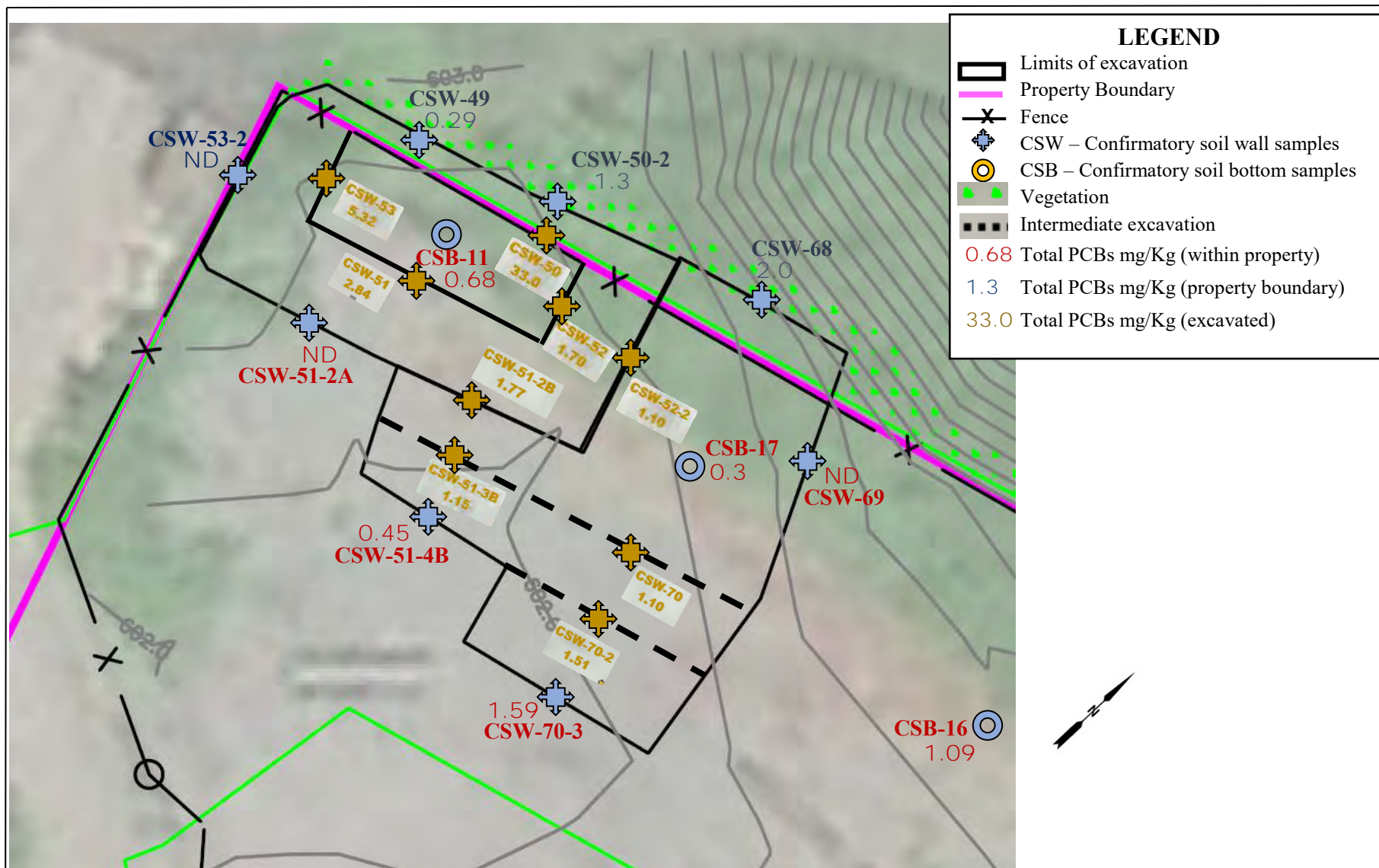
NOTE: Figure shows intermediate and final confirmatory soil sample results

132 DINGENS STREET SITE, BUFFALO, NY  
Confirmatory Soil Samples - PCBs

FIGURE: GS-17

IEG



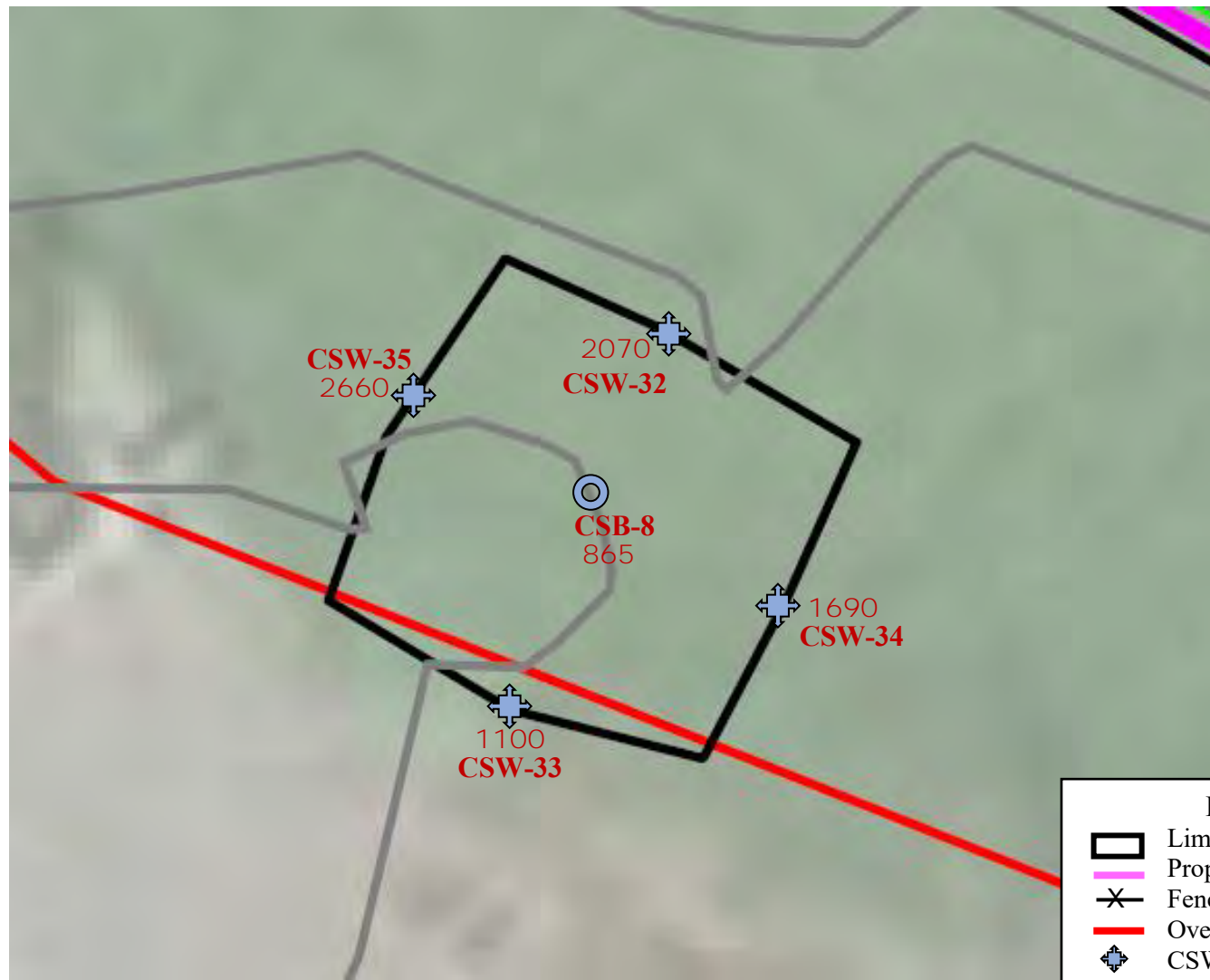


NOTE: Figure shows intermediate and final confirmatory soil sample results

**132 DINGENS STREET SITE, BUFFALO, NY**  
**Confirmatory Soil Samples - PCBs**

**FIGURE: GS-19**

**IEG**



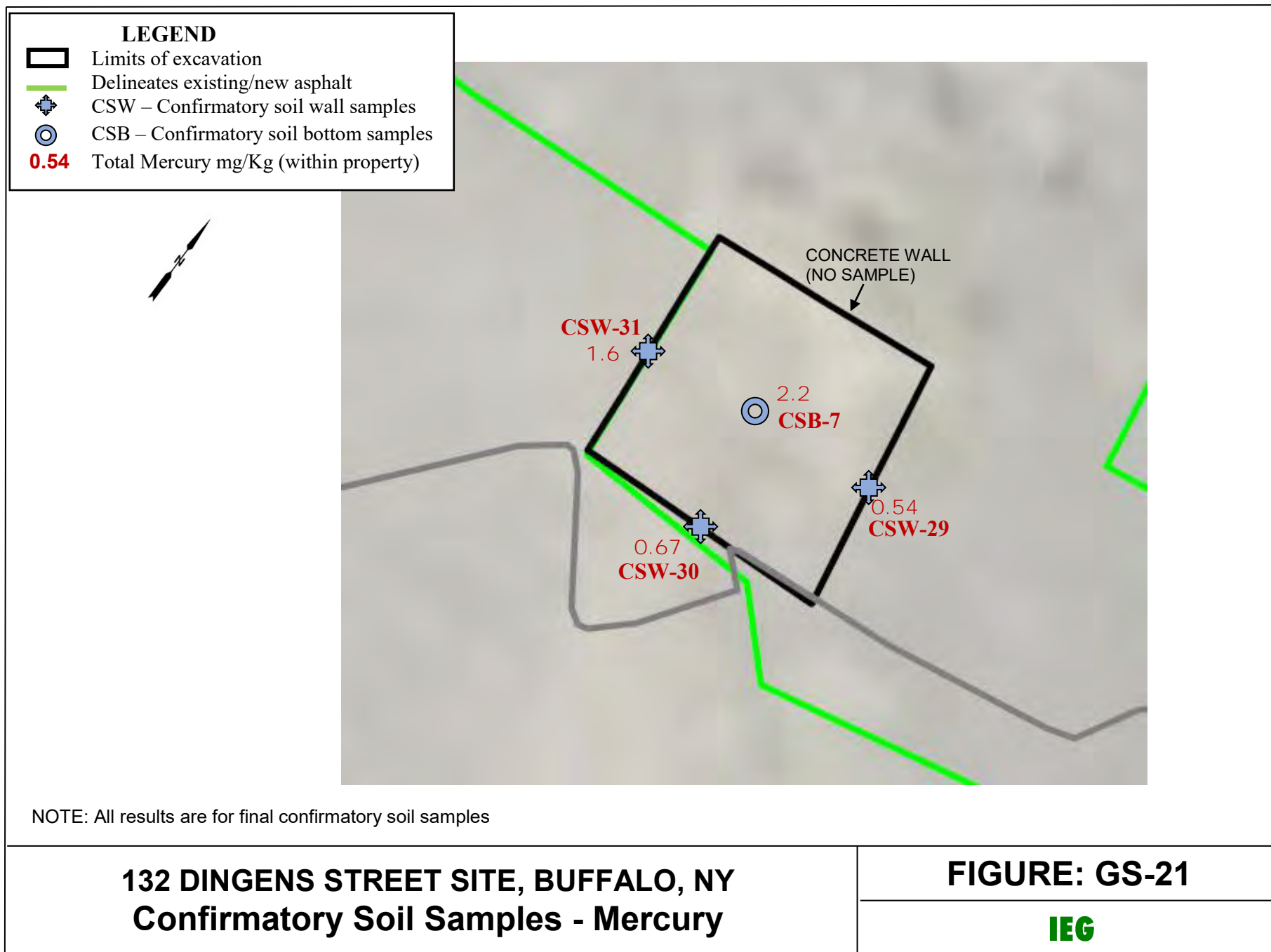
LEGEND	
	Limits of excavation
	Property Boundary
	Fence
	Overhead electric
	CSW – Confirmatory soil wall samples
	CSB – Confirmatory soil bottom samples
865	Total Lead mg/Kg (within property)

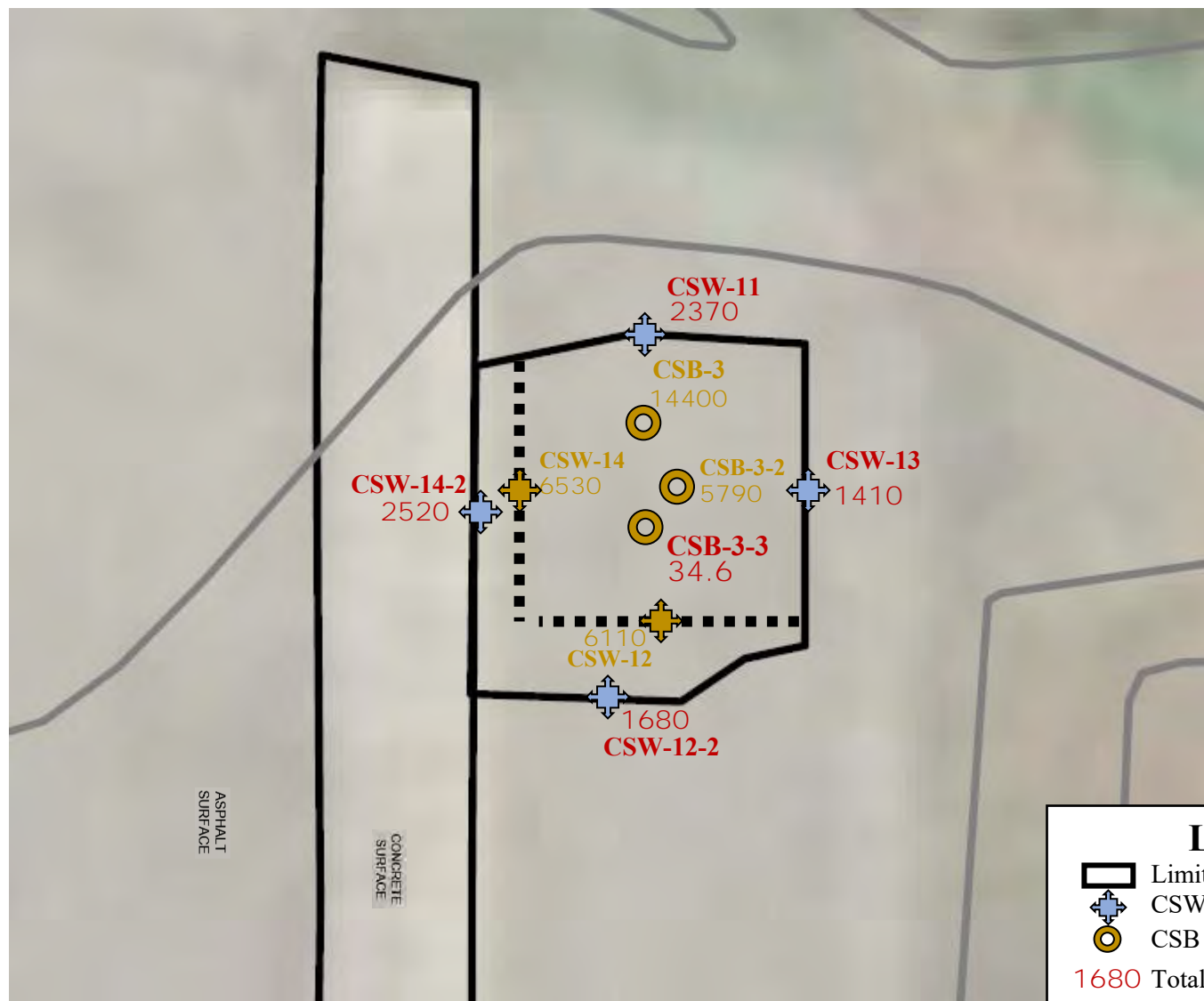
NOTE: All results shown are for final confirmatory soil samples

**132 DINGENS STREET SITE, BUFFALO, NY**  
**Confirmatory Soil Samples - Lead**

**FIGURE: GS-20**

**IEG**





NOTE: Results shown are for intermediate and final confirmatory soil samples

### LEGEND

- Limits of excavation
- CSW – Confirmatory soil wall samples
- CSB – Confirmatory soil bottom samples

1680 Total Lead mg/Kg (final)

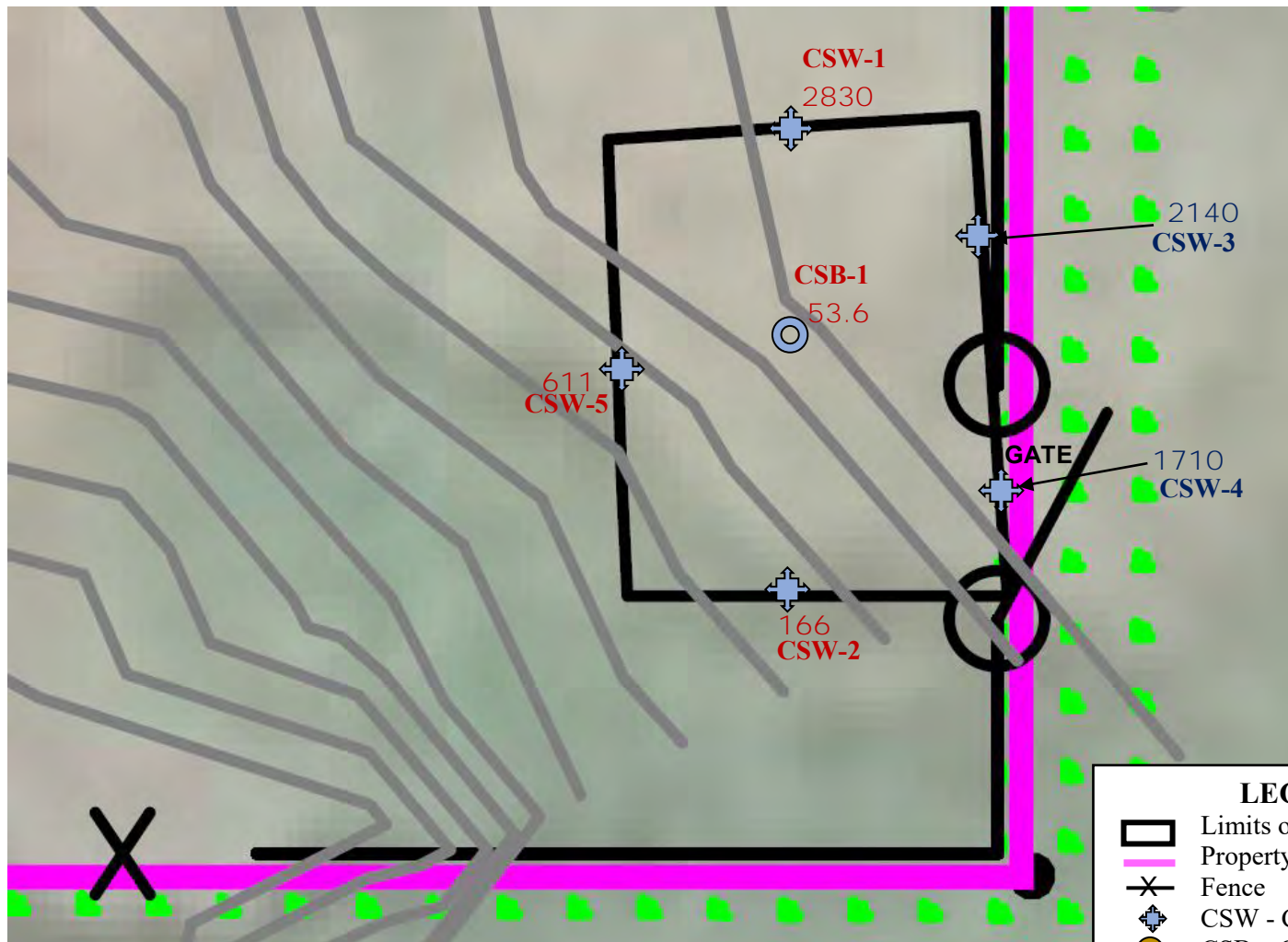
5790 Total Lead mg/Kg (excavated)

**132 DINGENS STREET SITE, BUFFALO, NY**  
**Confirmatory Soil Samples – Total Lead**

**FIGURE: GS-30**

**IEG**





#### LEGEND

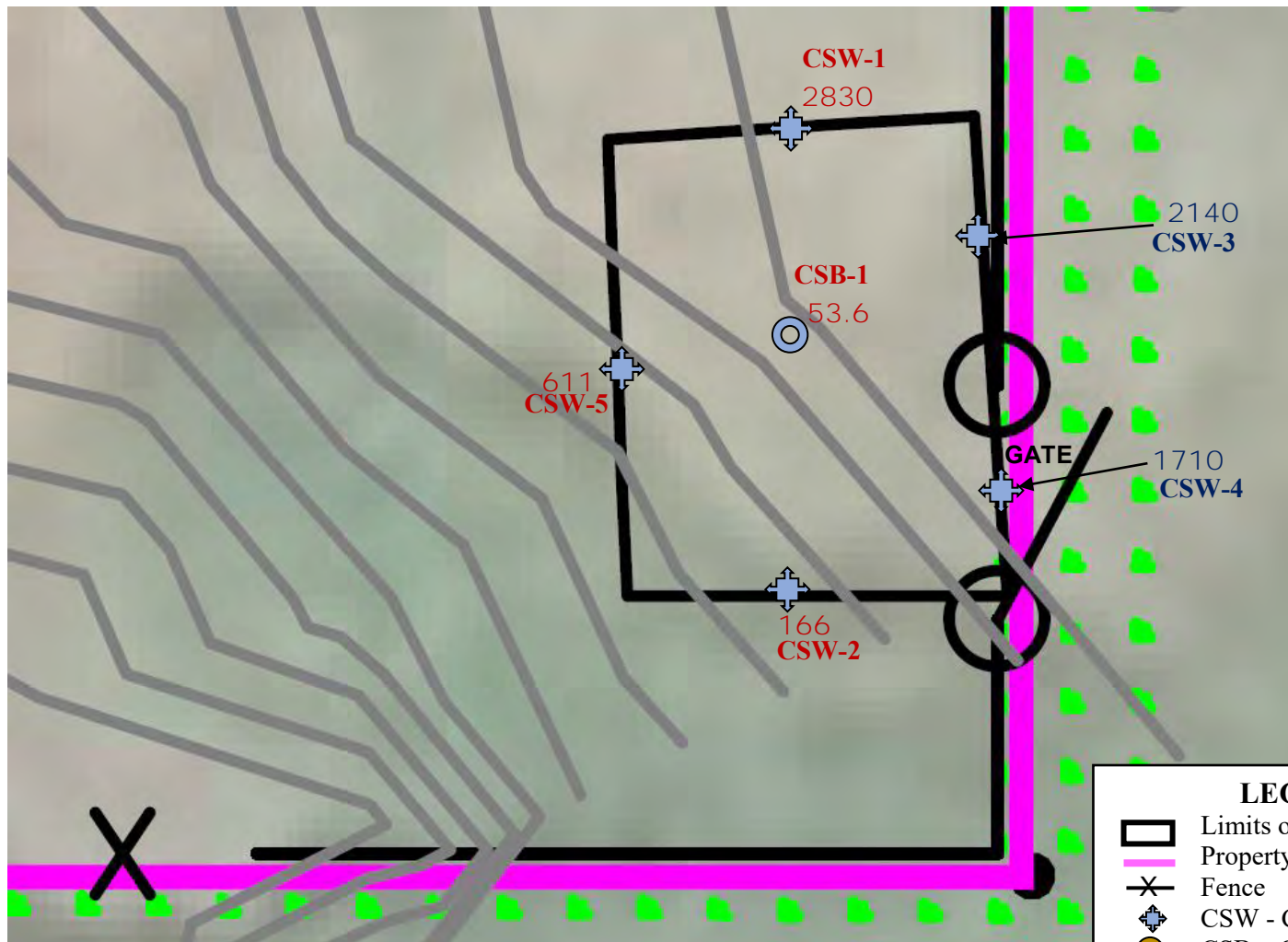
- Limits of excavation
- Property Boundary
- Fence
- CSW - Confirmatory soil wall samples
- CSB - Confirmatory soil bottom samples
- 2830 Total Lead mg/Kg (within property)
- 1710 Total Lead mg/Kg (property boundary)

NOTE: All results are for final confirmatory soil samples

**132 DINGENS STREET SITE, BUFFALO, NY**  
**Confirmatory Soil Samples – Total Lead**

**FIGURE: MW-7**

**IEG**



#### LEGEND

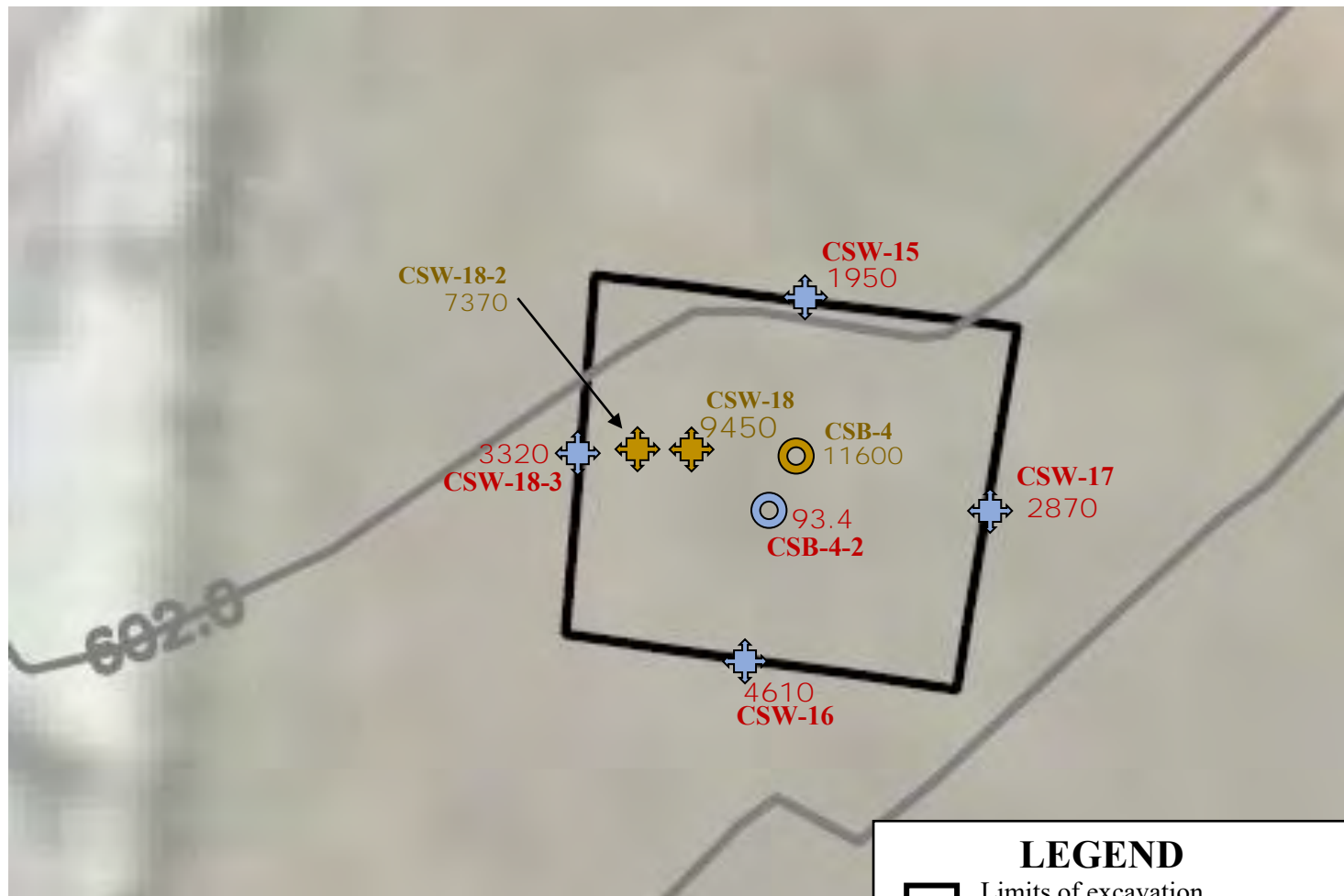
- Limits of excavation
- Property Boundary
- Fence
- CSW - Confirmatory soil wall samples
- CSB - Confirmatory soil bottom samples
- 2830 Total Lead mg/Kg (within property)
- 1710 Total Lead mg/Kg (property boundary)

NOTE: All results are for final confirmatory soil samples

**132 DINGENS STREET SITE, BUFFALO, NY**  
**Confirmatory Soil Samples – Total Lead**

**FIGURE: MW-7**

**IEG**



### LEGEND

- Limits of excavation
- + CSW – Confirmatory soil wall samples
- CSB – Confirmatory soil bottom samples
- 4610 Total Lead mg/Kg (final)
- 9450 Total Lead mg/Kg (excavated)

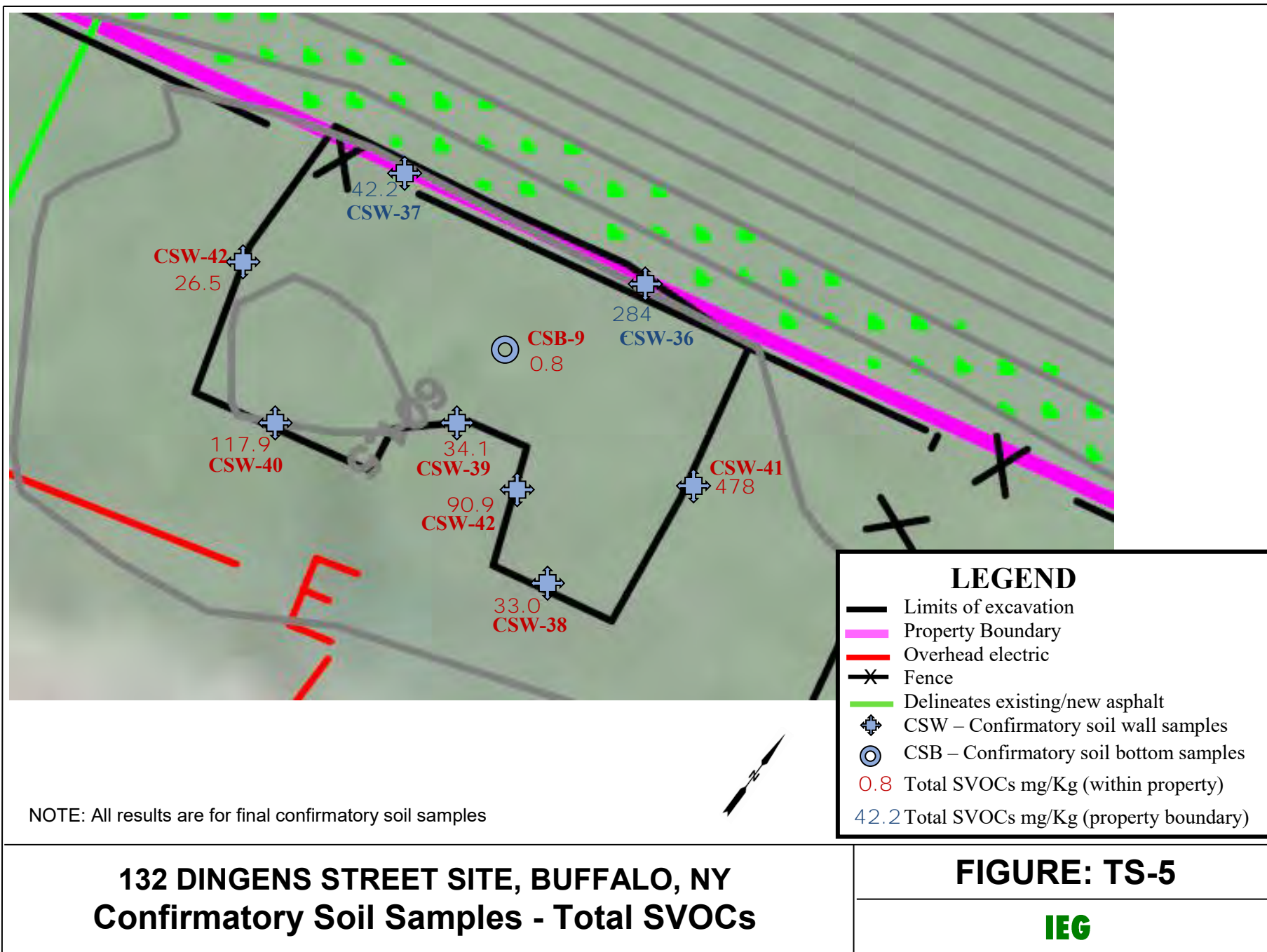
NOTE: Results shown are for intermediate and final confirmatory soil samples

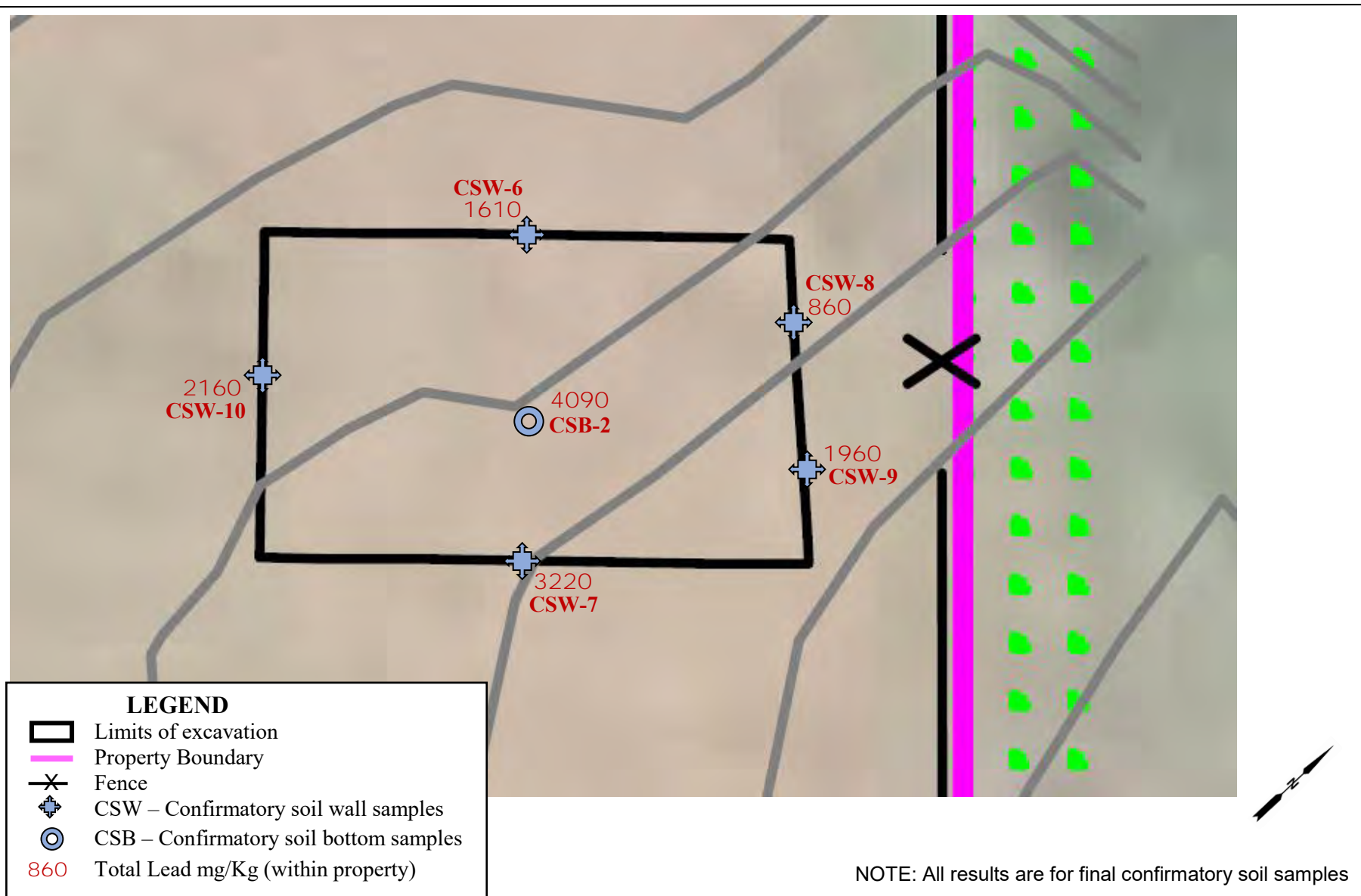
**132 DINGENS STREET SITE, BUFFALO, NY**  
**Confirmatory Soil Samples – Total Lead**

**FIGURE: TS-4**

**IEG**



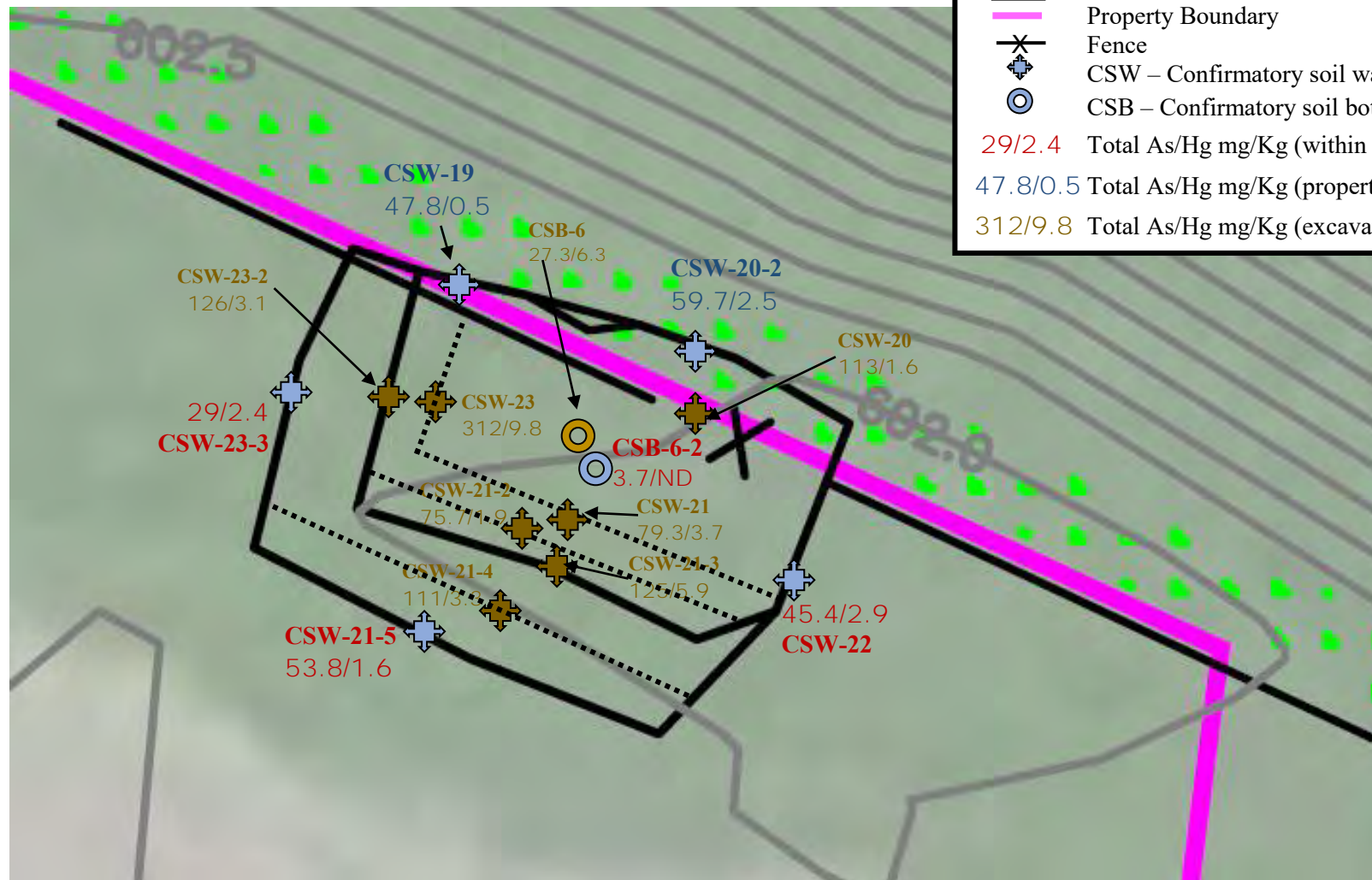




**132 DINGENS STREET SITE, BUFFALO, NY**  
**Confirmatory Soil Samples – Total Lead**

**FIGURE: TS-9**

**IEG**



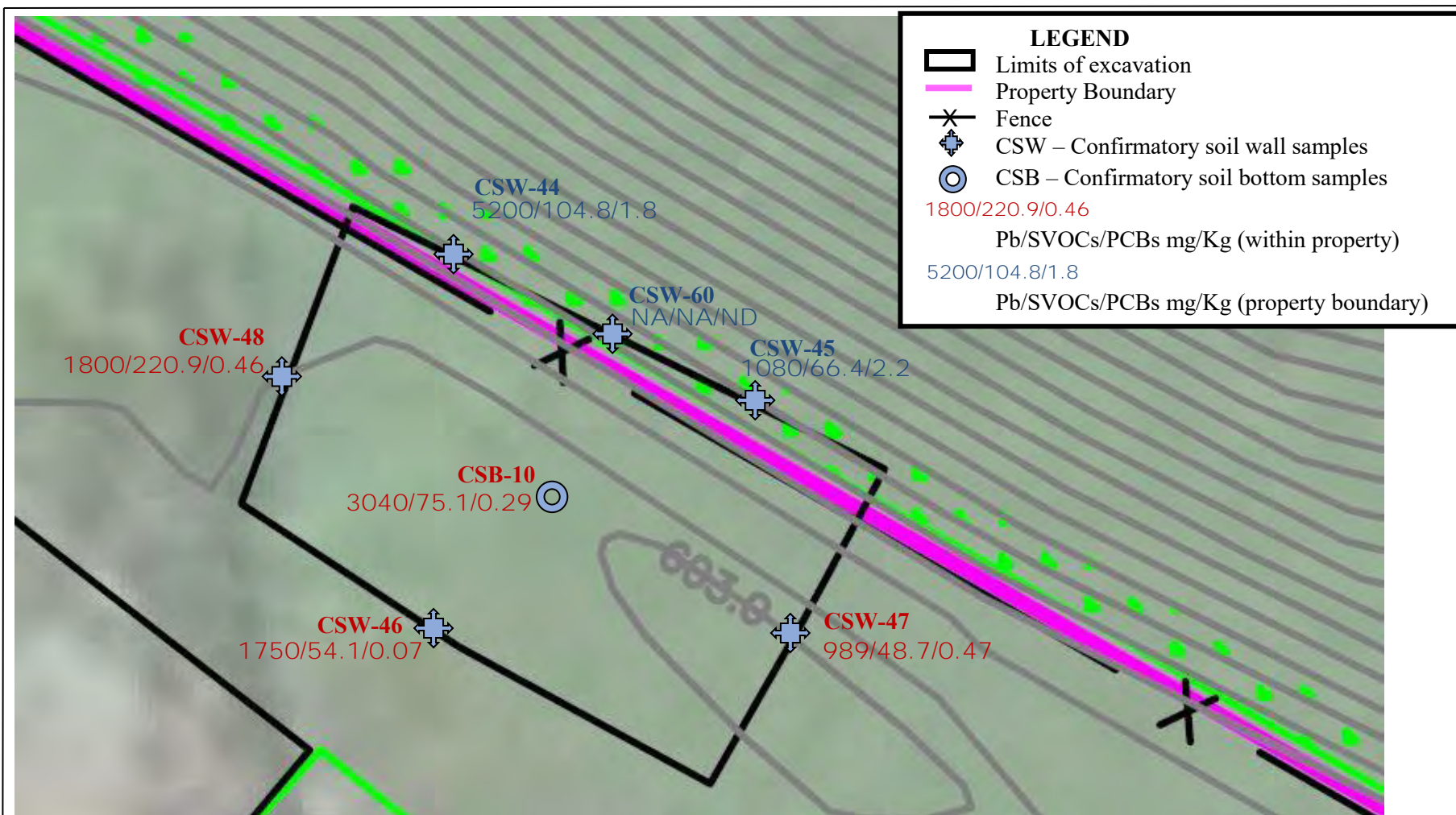
NOTE: Results are for intermediate and final confirmatory soil samples

**132 DINGENS STREET SITE, BUFFALO, NY**  
**Confirmatory Soil Samples – Arsenic/Mercury**

**FIGURE: TS-13**

**IEG**





NOTE: All results are for final confirmatory soil samples

**132 DINGENS STREET SITE, BUFFALO, NY**  
**Confirmatory Soil Samples – Lead/SVOCs/PCBs**

**FIGURE: TS-15**

**IEG**

**APPENDIX I**  
**DUSRs for**  
**CONFIRMATORY SOIL & OFF-SITE MATERIALS**  
**(Digital Copy on CD)**

**APPENDIX I-1**  
**DUSRs**  
**(Digital Copy on CD)**

**SUMMARY OF THE ANALYTICAL DATA VALIDATION**  
**132 Dingens**

**Soil and Water Total Metals - for Lead**

**Samples Collected: July 30, 2015**

**Samples Received: July 30, 2015**

**Sample Delivery Group: J84833**

**Laboratory – TestAmerica**

**Laboratory Reference Numbers:**

<b>Lab ID</b>	<b>Field Sample #</b>	<b>Matrix</b>
480-84833-1	CSW-1	Solid
480-84833-2	CSW-2	Solid
480-84833-3	CSW-3	Solid
480-84833-4	CSW-4	Solid
480-84833-4MS	CSW-4	Solid
480-84833-4MSD	CSW-4	Solid
480-84833-5	CSW-5	Solid
480-84833-6	CSB-1	Solid
480-84833-9	CSW-6	Solid
480-84833-10	CSW-7	Solid
480-84833-11	CSW-8	Solid
480-84833-12	CSW-9	Solid
480-84833-13	CSW-10	Solid
480-84833-14	CSB-2	Solid
480-84833-17	CSW-11	Solid
480-84833-18	CSW-12	Solid
480-84833-19	CSW-12 DUP	Solid
480-84833-20	ERB-1	Water
480-84833-21	CSW-13	Solid
480-84833-22	CSW-14	Solid
480-84833-23	CSB-3	Solid
480-84833-26	CSW-15	Solid
480-84833-26MS	CSW-15	Solid
480-84833-26MSD	CSW-15	Solid
480-84833-27	CSW-16	Solid
480-84833-28	CSW-17	Solid
480-84833-29	CSW-18	Solid
480-84833-30	CSB-4	Solid
480-84833-31	CSB-4 DUP	Solid



Soil and water samples were validated for inorganic analyses by the US EPA Region II data validation SOP (HW-2, Revision 13). Data were reviewed for usability according to the following criteria:

- \* - Holding Times
- \* - Calibration Verification
- \* - CRDL Standard
- \* - Laboratory Control Sample
- \* - Serial Dilution
- \* - Calibration Blanks
- \* - Field Blank / Equipment Rinsate Blank
- \* - Preparation Blanks
- \* - Matrix Spike
- \* - Duplicate Analyses
- \* - ICP Interference Check Sample
- \* - Detection Limit Results
- \* - Linear Range
- \* - Sample Results

\* - Indicates that all criteria were met for this parameter.

### **Data Validation Summary**

No problems were detected that would affect the use of the data.

### **Holding Times**

All samples were analyzed within the required holding times.

### **CRDL Standards**

All of the CRDL standards were within the 70% - 130% quality control limits used for the validation.

### **Initial and Continuing Calibrations**

No problems were found with any of the initial or continuing calibrations directly associated with the analyses of these samples.

### **Preparation Blank**

Lead was detected at a concentration of 0.0258 J mg/kg in the soil preparation blank.

The concentrations of lead in the samples were too high to be affected by the low level method blank contamination.

The "B" qualifiers were removed from the "Interpreted Qualifier" column in the EDD.

**Calibration Blanks**

Lead was not detected in any of the calibration blanks.

**Equipment Rinsate Blank**

Lead was detected at a concentration of 9.0 mg/l in rinsate blank 480-84833-20 / ERB-1.

The concentrations of lead in the samples were too high to be affected by the low level blank contamination.

**ICP Interference Check Sample**

All of the ICP Interference Check Sample recoveries were within the required limits.

**Matrix Spike Recovery**

Samples 480-84833-4 / CSW-4 and 480-84833-26 / CSW-15 were used as the matrix spike and matrix spike duplicate.

The concentrations of lead in the samples (1710 mg/kg and 1950 mg/kg) were much too high to be affected by the concentration of the matrix spike added (70 mg/kg).

The data were not required to be qualified for the low spike recovery.

**Duplicate Analysis**

Samples 480-84833-4 / CSW-4 and 480-84833-26 / CSW-15 were used as the matrix spike duplicates. All RPDs were less than the 20% required limit (5% & 2%).

**Laboratory Control Sample**

No problems were detected with the recoveries of the LCS standards.

**Serial Dilution**

Samples 480-84833-4 / CSW-4 and 480-84833-26 / CSW-15 were used as the serial dilutions. All percent differences were less than 10%.

**Instrument Detection Limit**

No problems were found with the instrument detection limits.

**ICP Linear Ranges**

No problems were detected with the linear ranges.

## **Sample Results**

### **Sample 480-84833-14 / CSB-2**

The lead data for this sample was flagged with the "J" qualifier since the percent moisture in the sample (54%) was greater than 50%.

### **Sample 480-84833-23 / CSB-3**

The lead data for this sample was flagged with the "J" qualifier since the percent moisture in the sample (60%) was greater than 50%.

No other problems were detected with any of the data.

**SUMMARY OF THE ANALYTICAL DATA VALIDATION**  
**132 Dingens**

**Soil and Water Total Metals - for Lead, Arsenic and Mercury**

**Samples Collected: August 21, 2015**

**Samples Received: August 21, 2015**

**Sample Delivery Group: J86066**

**Laboratory – TestAmerica**

**Laboratory Reference Numbers:**

<b>Lab ID</b>	<b>Field Sample #</b>	<b>Matrix</b>
480-86066-1	CSW-23	Solid
480-86066-2	CSW-24	Solid
480-86066-3	CSW-25	Solid
480-86066-4	CSW-26	Solid
480-86066-4MS	CSW-26	Solid
480-86066-4MSD	CSW-26	Solid
480-86066-5	CSW-27	Solid
480-86066-6	CSW-28	Solid
480-86066-7	CSW-29	Solid
480-86066-8	CSW-30	Solid
480-86066-9	CSW-31	Solid
480-86066-10	CSB-5	Solid
480-86066-11	CSB-6	Solid
480-86066-12	CSB-7	Solid
480-86066-13	CSW-18-2	Solid
480-86066-14	CSW-14-2	Solid
480-86066-15	CSB-4-2	Solid
480-86066-16	ERB-2	Water
480-86066-17	CSW-19	Solid
480-86066-18	CSW-20	Solid
480-86066-19	CSW-21	Solid
480-86066-20	CSW-22	Solid

Soil and water samples were validated for inorganic analyses by the US EPA Region II data validation SOP (HW-2, Revision 13). Data were reviewed for usability according to the following criteria:

- \* - Holding Times
- \* - Calibration Verification
- \* - CRDL Standard
- \* - Laboratory Control Sample
- \* - Serial Dilution
- \* - Calibration Blanks
- \* - Field Blank / Equipment Rinsate Blank
- \* - Preparation Blanks
- Matrix Spike
- \* - Duplicate Analyses
- \* - ICP Interference Check Sample
- \* - Detection Limit Results
- \* - Linear Range
- \* - Sample Results

\* - Indicates that all criteria were met for this parameter.

## Data Validation Summary

The laboratory's case narrative states:

*The following samples were received unpreserved and were preserved upon receipt to the laboratory: ERB-2 (480-86066-16). Regulatory documents require a 24-hour waiting period from the time of the addition of the acid preservative to the time of digestion. Preserved on 08/21/15 @ 1950 using HNO3 acid, lot number 106819.*

The samples were collected on 8/21/15. The lack of field preservation did not affect the use of the data.

The problem with the low matrix spike recovery for arsenic (64%) should be noted.

No other problems were detected that would affect the use of the data.

## Holding Times

All samples were analyzed within the required holding times.

## CRDL Standards

All of the CRDL standards were within the 70% - 130% quality control limits used for the validation.

## Initial and Continuing Calibrations

No problems were found with any of the initial or continuing calibrations directly associated with the analyses of these samples.

## Preparation Blank

No analytes were detected in the preparation blank.

## Calibration Blanks

No analytes were detected in the calibration blanks.

## Equipment Rinsate Blank

No analytes were detected in the rinsate blank.

## ICP Interference Check Sample

All of the ICP Interference Check Sample recoveries were within the required limits.

**Matrix Spike Recovery**

Sample 480-86066-4 / CSW-26 was used as the matrix spike and matrix spike duplicate.

The concentration of mercury in the sample (3.8 mg/kg) was much too high to be affected by the concentration of the matrix spike added (0.412 mg/kg).

The data were not required to be qualified for the low spike recovery.

The recovery of arsenic in the matrix spike duplicate (64%) was less than the 75% quality control limit.

All of the arsenic data were flagged with the "J" qualifier and are estimated values.

A matrix spike was not analyzed for lead.

**Duplicate Analysis**

Sample 480-86066-4 / CSW-26 was used as the matrix spike duplicate. All RPDs were less than the 20% required limit (15% & 10%).

**Laboratory Control Sample**

No problems were detected with the recoveries of the LCS standards.

**Serial Dilution**

Sample 480-86066-4 / CSW-26 was used as the serial dilution. All percent differences were less than 10%.

A lead serial dilution was not analyzed.

**Instrument Detection Limit**

No problems were found with the instrument detection limits.

**ICP Linear Ranges**

No problems were detected with the linear ranges.

**Sample Results**

No problems were detected with any of the data.

## SUMMARY OF THE ANALYTICAL DATA VALIDATION 132 Dingens

**Soil and Water Total Metals - for Lead**

**Samples Collected: August 27, 2015**

**Samples Received: August 27, 2015**

**Sample Delivery Group: J86308**

**Laboratory – TestAmerica**

**Laboratory Reference Numbers:**

<b>Lab ID</b>	<b>Field Sample #</b>	<b>Matrix</b>
480-86308-1	CSW-32	Solid
480-86308-2	CSW-33	Solid
480-86308-2DU	CSW-33	Solid
480-86308-3	CSW-34	Solid
480-86308-4	CSW-35	Solid
480-86308-4MS	CSW-35	Solid
480-86308-4MSD	CSW-35	Solid
480-86308-5	CSB-8	Solid
480-86308-6	ERB-3	Water

Soil and water samples were validated for inorganic analyses by the US EPA Region II data validation SOP (HW-2, Revision 13). Data were reviewed for usability according to the following criteria:

- \* - Holding Times
- \* - Calibration Verification
- \* - CRDL Standard
- \* - Laboratory Control Sample
- \* - Serial Dilution
- \* - Calibration Blanks
- \* - Field Blank / Equipment Rinsate Blank
- \* - Preparation Blanks
- \* - Matrix Spike
- Duplicate Analyses
- \* - ICP Interference Check Sample
- \* - Detection Limit Results
- \* - Linear Range
- \* - Sample Results

\* - Indicates that all criteria were met for this parameter.

### **Data Validation Summary**

The RPD of the lead analyses in the matrix spike duplicate was 63% which was greater than the 20% quality control limit.

No other problems were detected that would affect the use of the data.



**Holding Times**

All samples were analyzed within the required holding times.

**CRDL Standards**

All of the CRDL standards were within the 70% - 130% quality control limits used for the validation.

**Initial and Continuing Calibrations**

No problems were found with any of the initial or continuing calibrations directly associated with the analyses of these samples.

**Preparation Blank**

Lead was not detected in the soil preparation blank.

**Calibration Blanks**

Lead was not detected in any of the calibration blanks.

**Equipment Rinsate Blank**

Lead was detected at a concentration of 0.015 mg/l in rinsate blank 480-86308-6 / ERB-3.

The concentrations of lead in the samples were too high to be affected by the low level blank contamination.

**ICP Interference Check Sample**

All of the ICP Interference Check Sample recoveries were within the required limits.

**Matrix Spike Recovery**

Sample 480-86308-4 / CSW-35 was used as the matrix spike and matrix spike duplicate.

The concentration of lead in the sample (2660 mg/kg) was too high to be affected by the concentration of the matrix spike added (70 mg/kg).

**Duplicate Analysis**

Sample 480-86308-4 / CSW-35 was used as the matrix spike duplicate.

The RPD of the lead analyses was 63% which was greater than the 20% quality control limit.

All of the lead data were flagged with the "J" qualifier and are estimated values.

Sample 480-86308-2 / CSW-33 was analyzed as a laboratory duplicate.

The RPD was at the 20% quality control limit used for the data validation.

#### **Laboratory Control Sample**

No problems were detected with the recoveries of the LCS standards.

#### **Serial Dilution**

Sample 480-86308-2 / CSW-33 was used as the serial dilution. All percent differences were less than 10%.

#### **Instrument Detection Limit**

No problems were found with the instrument detection limits.

#### **ICP Linear Ranges**

No problems were detected with the linear ranges.

#### **Sample Results**

No problems were detected with any of the data.

**DATA USABILITY SUMMARY REPORT**  
**132 Dings**

**Soil Semivolatile Organic Analyses by Method SW846 8260B**

**Samples Collected: June 3, 2015**

**Samples Collected: August 27, 2015**

**Samples Received: August 27, 2015**

**Sample Delivery Group: J86308**

**Laboratory – TestAmerica**

**Laboratory Reference Numbers:**

<b>Lab ID</b>	<b>Field Sample #</b>
480-86308-7	CSW-36
480-86308-8	CSW-37
480-86308-8DU	CSW-37
480-86308-9	CSW-38
480-86308-10	CSW-39
480-86308-11	CSW-40
480-86308-11MS	CSW-40
480-86308-11MSD	CSW-40
480-86308-12	CSW-41
480-86308-12 DL	CSW-41 DL
480-86308-13	CSW-42
480-86308-14	CSW-43
480-86308-15	CSB-9

Soil samples were validated for analyses of semivolatile organics by the US EPA Region II data validation SOP (HW-22, Revision 3). Data were reviewed for usability according to the following criteria:

- \* - Data Completeness
- \* - GC/MS Tuning
- \* - Holding Times
- \* - Calibrations
- \* - Laboratory Blanks
  - Laboratory Control Sample
- \* - Surrogate Compound Recoveries
- \* - Internal Standard Recoveries
  - Matrix Spike / Matrix Spike Duplicate
  - Field Blank
- \* - Compound Identification
- \* - Compound Quantitation

\* - Indicates that all criteria were met for this parameter.

## DATA VALIDATION SUMMARY

The laboratory's case narrative states:

*The following samples were diluted due to appearance and viscosity: CSW-41 (480-86308-12), CSW-42 (480-86308-13), CSW-43 (480-86308-14) and CSB-9 (480-86308-15). As such, surrogate recoveries are below the calibration range, and elevated reporting limits (RLs) are provided.*

*The following samples were diluted due to appearance and viscosity: CSW-36 (480-86308-7), CSW-37 (480-86308-8), CSW-37 (480-86308-8[DU]), CSW-38 (480-86308-9), CSW-39 (480-86308-10), CSW-40 (480-86308-11), CSW-40 (480-86308-11[MS]) and CSW-40 (480-86308-11[MSD]). Elevated reporting limits (RL) are provided.*

*Six surrogates are used for this analysis. The laboratory's SOP allows two of these surrogates to be outside acceptance criteria without performing re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: CSW-36 (480-86308-7), CSW-37 (480-86308-8[DU]), CSW-39 (480-86308-10) and CSW-40 (480-86308-11). These results have been reported and qualified.*

*The following analyte recovered outside control limits for the LCS associated with preparation batch 480-261380 and analytical batch 480-262027: Atrazine. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.*

*The following sample was diluted due to an abundance of target analytes: CSW-41 (480-86308-12). As such, surrogate recoveries are below the calibration range and may not be reported.*

The problems with the laboratory control sample and matrix spike should be noted

## Holding Times

All samples were extracted (14 days) and analyzed (40 days) within the contractual and technical times required by the US EPA Region II protocols.

## Tunes

No problems were detected with any of the tunes associated with the samples of this delivery group.

## Surrogate Recoveries

All of the surrogate recoveries were within the required limits with the following exceptions:

Client Sample	ID Lab Sample ID	A 2FP	A PHL	B NBZ	B FBP	A TBP	B TPH
CSW-36	480-86308-7						64%
CSW-39	480-86308-10						59 %
CSW-40	480-86308-11						63%
CSW-41	480-86308-12					151%	
CSW-41 DL	480-86308-12 DL					0%	
CSW-42	480-86308-13					164%	
CSW-43	480-86308-14						62%
CSB-9	480-86308-15					147%	59%
CSW-37 DU	480-86308-8 DU						58%

**QC LIMITS**

2FP = 2-Fluorophenol (Surr) 18-120

PHL = Phenol-d5 (Surr) 11-120

NBZ = Nitrobenzene-d5 (Surr) 34-132

FBP = 2-Fluorobiphenyl 37-120

TBP = 2,4,6-Tribromophenol (Surr) 39-146

TPH = p-Terphenyl-d14 (Surr) 65-153

The NYS DEC ASP protocols allow for one surrogate in each fraction to be outside of the quality control limits.

The 0% surrogate recovery in sample CSW-41 DL / 480-86308-12 DL was due to a dilution and the data were not required to be qualified.

All other surrogate recoveries were within the required limits.

**Matrix Spike / Matrix Spike Duplicate**

Sample 480-86308-11 / CSW-40 was used as the matrix spike and matrix spike duplicate. All recoveries and RPDs were within the required limits with the following exceptions:

Compound	MS % Rec.	MSD % Rec.	%RPD
Atrazine	49%	57%	
4-Nitrophenol			28%
Fluorene	11%	27%	16%

The data for atrazine and fluorine were flagged with the "J" qualifier and are estimated values.

The data for 4-nitrophenol were not qualified for the high RPD since it was not detected in the sample.

The concentration of pyrene in the sample (17,000 ug/kg) was too high to be affected by the spike concentration (2,050 ug/kg). The data were not required to be qualified.

**Laboratory Control Sample**

All LCS recoveries were within the require limits with the exception of atrazine (59%) which was just under the 60% quality control limit.

The data for atrazine were flagged with the "J" qualifier and are estimated values.

Only 13 compounds were included in the target list.

**Calibrations**

Several compounds in the initial calibration had %RPDs greater than 15%. None of these were detected in the samples and the data were not required to be qualified.

All percent differences in the continuing calibration associated with the original analyses of the samples were less than 20%.

All percent differences in the continuing calibration associated with the diluted analysis sample 480-86308-12 / CSW-41 were less than 20%.

**Method Blanks**

No compounds were detected in the method blank.

**Field Blank**

A field blank was not analyzed with this sample delivery group.

**Internal Standard Areas and Retention Times**

All internal standard recoveries and retention times were within the required limits.

**Sample Results**

No problems were found with the results of any of the samples of this delivery group.

**SUMMARY OF THE ANALYTICAL DATA VALIDATION**  
**132 Dings**

**Soil Total Metals - for Lead, Arsenic and Mercury**

**Samples Collected: August 28, 2015**

**Samples Received: August 28, 2015**

**Sample Delivery Group: J86366**

**Laboratory – TestAmerica**

**Laboratory Reference Numbers:**

<b>Lab ID</b>	<b>Field Sample #</b>
480-86366-1	CSW-18-3
480-86366-2	CSW-12-2
480-86366-3	CSB-3-2
480-86366-3DU	CSB-3-2
480-86366-4	CSB-5-2
480-86366-5	CSB-6-2
480-86366-6	CSW-20-2
480-86366-6DU	CSW-20-2
480-86366-7	CSW-21-2
480-86366-8	CSW-23-2

Soil samples were validated for inorganic analyses by the US EPA Region II data validation SOP (HW-2, Revision 13). Data were reviewed for usability according to the following criteria:

- \* - Holding Times
- \* - Calibration Verification
- \* - CRDL Standard
- \* - Laboratory Control Sample
  - Serial Dilution
- \* - Calibration Blanks
  - Field Blank / Equipment Rinsate Blank
- \* - Preparation Blanks
  - Matrix Spike
  - Duplicate Analyses
- \* - ICP Interference Check Sample
- \* - Detection Limit Results
- \* - Linear Range
- \* - Sample Results

\* - Indicates that all criteria were met for this parameter.

**Data Validation Summary**

No problems were detected that would affect the use of the data.



**Holding Times**

All samples were analyzed within the required holding times.

**CRDL Standards**

All of the CRDL standards were within the 70% - 130% quality control limits used for the validation.

**Initial and Continuing Calibrations**

No problems were found with any of the initial or continuing calibrations directly associated with the analyses of these samples.

**Preparation Blank**

No analytes were detected in the preparation blanks.

**Calibration Blanks**

No analytes were detected in the calibration blanks.

**Equipment Rinsate Blank**

An equipment rinsate blank was not analyzed.

**ICP Interference Check Sample**

All of the ICP Interference Check Sample recoveries were within the required limits.

**Matrix Spike Recovery**

A matrix spike was not analyzed.

**Duplicate Analysis**

A matrix spike duplicate was not analyzed.

Samples 480-86366-3 / CSB-3-2 and 480-86366-6 / CSW-20-2 were used as the matrix spike duplicates. All RPDs were less than the 20% required limit.

**Laboratory Control Sample**

No problems were detected with the recoveries of the LCS standards.

**Serial Dilution**

A serial dilution was not analyzed.

**Instrument Detection Limit**

No problems were found with the instrument detection limits.

**ICP Linear Ranges**

No problems were detected with the linear ranges.

**Sample Results**

No problems were detected with any of the data.

**SUMMARY OF THE ANALYTICAL DATA VALIDATION**  
**132 Dings**

**Soil Total Metals - for Arsenic and Mercury**

**Samples Collected: September 9, 2015**

**Samples Received: September 9, 2015**

**Sample Delivery Group: J86938**

**Laboratory – TestAmerica**

**Laboratory Reference Numbers:**

<b>Lab ID</b>	<b>Field Sample #</b>
480-86938-1	CSW-21-3
480-86938-2	CSW-23-3
480-86938-3	CSB-5-3

Soil samples were validated for inorganic analyses by the US EPA Region II data validation SOP (HW-2, Revision 13). Data were reviewed for usability according to the following criteria:

- \* - Holding Times
- \* - Calibration Verification
- \* - CRDL Standard
- \* - Laboratory Control Sample
  - Serial Dilution
- \* - Calibration Blanks
  - Field Blank / Equipment Rinsate Blank
- \* - Preparation Blanks
  - Matrix Spike
  - Duplicate Analyses
- \* - ICP Interference Check Sample
- \* - Detection Limit Results
- \* - Linear Range
- \* - Sample Results

\* - Indicates that all criteria were met for this parameter.

**Data Validation Summary**

No problems were detected that would affect the use of the data.

**Holding Times**

All samples were analyzed within the required holding times.

**CRDL Standards**

All of the CRDL standards were within the 70% - 130% quality control limits used for the validation.

**Initial and Continuing Calibrations**

No problems were found with any of the initial or continuing calibrations directly associated with the analyses of these samples.

**Preparation Blank**

No analytes were detected in the preparation blanks.

**Calibration Blanks**

No analytes were detected in the calibration blanks.

**Equipment Rinsate Blank**

An equipment rinsate blank was not analyzed.

**ICP Interference Check Sample**

All of the ICP Interference Check Sample recoveries were within the required limits.

**Matrix Spike Recovery**

A matrix spike was not analyzed.

**Duplicate Analysis**

A matrix spike duplicate was not analyzed.

**Laboratory Control Sample**

No problems were detected with the recoveries of the LCS standards.

**Serial Dilution**

A serial dilution was not analyzed.

**Instrument Detection Limit**

No problems were found with the instrument detection limits.

### **ICP Linear Ranges**

No problems were detected with the linear ranges.

### **Sample Results**

No problems were detected with any of the data.

**SUMMARY OF THE ANALYTICAL DATA VALIDATION**  
**132 Dings**

**Soil Total Metals - for Lead**

**Samples Collected: September 14, 2015**

**Samples Received: September 14, 2015**

**Sample Delivery Group: J87201**

**Laboratory – TestAmerica**

**Laboratory Reference Numbers:**

<b>Lab ID</b>	<b>Field Sample #</b>	<b>Matrix</b>
480-87201-1	CSW-44	Solid
480-87201-2	CSW-45	Solid
480-87201-3	CSW-46	Solid
480-87201-4	CSW-47	Solid
480-87201-5	CSW-48	Solid
480-87201-17	CSB-10	Solid
480-87201-17MS	CSB-10	Solid
480-87201-17MSD	CSB-10	Solid

Soil samples were validated for inorganic analyses by the US EPA Region II data validation SOP (HW-2, Revision 13). Data were reviewed for usability according to the following criteria:

- \* - Holding Times
- \* - Calibration Verification
- \* - CRDL Standard
- \* - Laboratory Control Sample
- \* - Serial Dilution
- \* - Calibration Blanks
  - Field Blank / Equipment Rinsate Blank
- \* - Preparation Blanks
- \* - Matrix Spike
  - Duplicate Analyses
- \* - ICP Interference Check Sample
- \* - Detection Limit Results
- \* - Linear Range
- \* - Sample Results

\* - Indicates that all criteria were met for this parameter.

**Data Validation Summary**

The problems with the matrix spike duplicate RPD of 55% should be noted.

No other problems were detected that would affect the use of the data.

**Holding Times**

All samples were analyzed within the required holding times.

**CRDL Standards**

All of the CRDL standards were within the 70% - 130% quality control limits used for the validation.

**Initial and Continuing Calibrations**

No problems were found with any of the initial or continuing calibrations directly associated with the analyses of these samples.

**Preparation Blank**

Lead was not detected in the preparation blank.

**Calibration Blanks**

Lead was not detected in any of the calibration blanks.

**Equipment Rinsate Blank**

An equipment rinsate blank was not analyzed.

**ICP Interference Check Sample**

All of the ICP Interference Check Sample recoveries were within the required limits.

**Matrix Spike Recovery**

Sample 480-87201-17 / CSB-10 was used as the matrix spike and matrix spike duplicate.

The concentrations of lead in the samples (3000 mg/kg) were much too high to be affected by the concentration of the matrix spike added (60 mg/kg).

**Duplicate Analysis**

Sample 480-87201-17 / CSB-10 was used as the matrix spike duplicates. The RPD of 55% was above the 20% quality control limit.

All of the lead data were flagged with the "J" qualifier and are estimated values.

**Laboratory Control Sample**

No problems were detected with the recoveries of the LCS standards.



### **Serial Dilution**

Sample 480-87201-17 / CSB-10 was used as the serial dilution. The lead percent differences was less than 10% (4%).

### **Instrument Detection Limit**

No problems were found with the instrument detection limits.

### **ICP Linear Ranges**

No problems were detected with the linear ranges.

### **Sample Results**

No problems were detected with any of the data.

**SUMMARY OF THE ANALYTICAL DATA VALIDATION**  
**132 Dingens**

**Soil and Water PCB Analyses by Method SW846 8082**

**Samples Collected: September 14, 2015**

**Samples Received: September 14, 2015**

**Sample Delivery Group: J87201**

**Laboratory – TestAmerica**

**Laboratory Reference Numbers:**

<b>Lab ID</b>	<b>Field Sample #</b>	<b>Matrix</b>
480-87201-1	CSW-44	Solid
480-87201-2	CSW-45	Solid
480-87201-3	CSW-46	Solid
480-87201-4	CSW-47	Solid
480-87201-5	CSW-48	Solid
480-87201-6	CSW-49	Solid
480-87201-7	CSW-50	Solid
480-87201-8	CSW-51	Solid
480-87201-9	CSW-52	Solid
480-87201-9DU	CSW-52	Solid
480-87201-10	CSW-53	Solid
480-87201-11	CSW-54	Solid
480-87201-12	CSW-55	Solid
480-87201-13	CSW-56	Solid
480-87201-14	CSW-57	Solid
480-87201-15	CSW-58	Solid
480-87201-16	CSW-59	Solid
480-87201-17	CSB-10	Solid
480-87201-17MS	CSB-10	Solid
480-87201-17MSD	CSB-10	Solid
480-87201-18	CSB-11	Solid
480-87201-19	CSB-12	Solid
480-87201-20	ERB-4	Water

Soil and water samples were validated for analyses of PCBs by the US EPA Region II data validation SOP (HW-45, Revision 1). Data were reviewed for usability according to the following criteria:

- Data Completeness
- \* - Holding Times
- Laboratory Blanks
- \* - Field Blank / Equipment Rinsate Blank
- Surrogate Recoveries
- \* - Matrix Spike / Matrix Spike Duplicate
- \* - Laboratory Control Sample
- Calibrations
- \* - Method Blanks
- GPC Calibration
- \* - Compound Identification

\* - Indicates that all criteria were met for this parameter.

**DATA VALIDATION SUMMARY**

The laboratory's case narrative states:

*The following samples were diluted due to the abundance of target analytes: CSW-50 (480-87201-7), CSW-54 (480-87201-11) and CSW-58 (480-87201-15). Elevated reporting limits (RLs) are provided.*

*The following samples appear to contain PCB-1248; however, due to weathering or other environmental processes, PCB-1248 in the samples does not closely match the laboratory's Aroclor standard used for instrument calibration: CSW-44 (480-87201-1), CSW-45 (480-87201-2), CSW-46 (480-87201-3), CSW-47 (480-87201-4), CSW-48 (480-87201-5), CSW-49 (480-87201-6), CSW-50 (480-87201-7), CSW-51 (480-87201-8), CSW-54 (480-87201-11), CSW-56 (480-87201-13), CSW-58 (480-87201-15), CSB-10 (480-87201-17), CSB-10 (480-87201-17[MS]), CSB-10 (480-87201-17[MSD]) and CSB-11 (480-87201-18). Due to the poor match with the Aroclor standard, there is increased qualitative and quantitative uncertainty associated with these results.*

*The following samples appear to contain PCB-1254; however, due to weathering or other environmental processes, PCB-1254 in the samples does not closely match the laboratory's Aroclor standard used for instrument calibration: CSW-59 (480-87201-16) and CSB-12 (480-87201-19). Due to the poor match with the Aroclor standard, there is increased qualitative and quantitative uncertainty associated with these results.*

*The following samples appear to contain PCB-1248; however, due to weathering or other environmental processes, PCB-1248 in the samples does not closely match the laboratory's Aroclor standard used for instrument calibration: CSW-52 (480-87201-9) and CSW-52 (480-87201-9[DU]). Due to the poor match with the Aroclor standard, there is increased qualitative and quantitative uncertainty associated with these results.*

*All primary data is reported from the ZB-5 column.*

The data for the samples referenced above were flagged with the "J" qualifier and are estimated values.

Surrogate recoveries were only reported from the ZB-5 column. Recoveries from both columns should be reported.

Calibration blanks did not appear to be analyzed.

**Holding Times**

All extractions and analyses were performed within the required holding times.

**Surrogate Recoveries**

Surrogate recoveries were only reported from the ZB-5 column.

All surrogate recoveries were within the required limits.

**Matrix Spike**

Sample 480-87201-17 / CSB-10 was used as the matrix spike and matrix spike duplicate.

All recoveries and RPDs were within the required limits.

**Laboratory Control Samples**

All recoveries were within the laboratory's quality control limits.

**Initial Calibrations**

All %RSDs were less than 20%.

**Continuing Calibrations**

Several of the percent differences on the ZB-35 column were greater than 20% (as high as 31%).

The laboratory's case narrative notes that the data were reported from the ZB-5 column.

The data were not qualified for the high percent differences.

**GPC Calibration**

A GPC cleanup was not performed on these samples.

**Method Blanks**

No problems were detected with any of the method blanks.

**Calibration Blanks**

Calibration blanks did not appear to be analyzed.

**Field Blank / Equipment Rinsate Blank.**

No compounds were detected in the rinsate blank.

## Sample Results

### Samples 480-87201-9 / CSW-52 and 480-87201-9DU / CSW-52

Sample 480-87201-9 / CSW-52 was reported as sample 480-87201-9 RE / CSW-52 RE. (Page 195). This sample was reported in the run log.

Sample 480-87201-9 / CSW-52 was not found in the run log.

Several samples were noted in the laboratory's case narrative as having Aroclor patterns that did not closely match those of the standards. The data for these Aroclors were flagged with the "J" qualifier and are estimated values.

The data were qualified on the basis of the percent difference of the concentrations on the two columns:

<u>% Difference</u>	<b>Qualifier</b>
0 - 25%	None
25 - 70%	"J"
70 - 100%	"JN"
> 100%	"R"
100 - 200% (Interference detected)	"JN"
> 50% (Value is < CRQL)	"U"

All percent differences were less than 25%.

No other problems were detected with the sample data.

**DATA USABILITY SUMMARY REPORT**  
**132 Dingens**

**Soil Semivolatile Organic Analyses by Method SW846 8260B**

**Samples Collected: September 14, 2015**

**Samples Received: September 14, 2015**

**Sample Delivery Group: J87201**

**Laboratory – TestAmerica**

**Laboratory Reference Numbers:**

<b>Lab ID</b>	<b>Field Sample #</b>	<b>Matrix</b>
480-87201-1	CSW-44	Solid
480-87201-2	CSW-45	Solid
480-87201-3	CSW-46	Solid
480-87201-4	CSW-47	Solid
480-87201-5	CSW-48	Solid
480-87201-17	CSB-10	Solid
480-87201-17MS	CSB-10	Solid
480-87201-17MSD	CSB-10	Solid

Soil samples were validated for analyses of semivolatile organics by the US EPA Region II data validation SOP (HW-22, Revision 3). Data were reviewed for usability according to the following criteria:

- \* - Data Completeness
- \* - GC/MS Tuning
- \* - Holding Times
- Calibrations
- \* - Laboratory Blanks
- \* - Laboratory Control Sample
- \* - Surrogate Compound Recoveries
- \* - Internal Standard Recoveries
- Matrix Spike / Matrix Spike Duplicate
- Field Blank
- \* - Compound Identification
- \* - Compound Quantitation

\* - Indicates that all criteria were met for this parameter.

**DATA VALIDATION SUMMARY**

The laboratory's case narrative states:

*The following samples was diluted due to the nature of the sample matrix: CSW-44 (480-87201-1), CSW-45 (480-87201-2), CSW-46 (480-87201-3), CSW-47*

*(480-87201-4), CSW-48 (480-87201-5), CSB-10 (480-87201-17), CSB-10 (480-87201-17[MS]) and CSB-10 (480-87201-17[MSD]). As such, surrogate and spike recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.*

The problems with the calibrations and matrix spike should be noted

## Holding Times

All samples were extracted (14 days) and analyzed (40 days) within the contractual and technical times required by the US EPA Region II protocols.

## Tunes

No problems were detected with any of the tunes associated with the samples of this delivery group.

## Surrogate Recoveries

All of the surrogate recoveries were within the required limits with the following exceptions:

Client Sample	ID Lab Sample ID	A 2FP	A PHL	B NBZ	B FBP	A TBP	B TPH
CSW-46	480-87201-3						60%
CSW-48	480-87201-5						42%

### QC LIMITS

2FP = 2-Fluorophenol (Surr) 18-120

PHL = Phenol-d5 (Surr) 11-120

NBZ = Nitrobenzene-d5 (Surr) 34-132

FBP = 2-Fluorobiphenyl 37-120

TBP = 2,4,6-Tribromophenol (Surr) 39-146

TPH = p-Terphenyl-d14 (Surr) 65-153

The NYS DEC ASP protocols allow for one surrogate in each fraction to be outside of the quality control limits. The data were not required to be qualified.

All other surrogate recoveries were within the required limits.

## Matrix Spike / Matrix Spike Duplicate

Sample 480-87201-17 / CSB-10 was used as the matrix spike and matrix spike duplicate. All recoveries and RPDs were within the required limits with the exception of pentachlorophenol (141%) which was just over the 136% quality control limit and pyrene which was not recovered from the matrix spike.

Pentachlorophenol was not detected in any of the samples and the high recovery does not affect the use of the data. The data were not required to be qualified.

When pyrene was detected in a sample, it was flagged with the "J" qualifier and is an estimated value. If it was not detected in a sample it was flagged with the "R" qualifier and technically rejected.



The RPD of 2-chlorophenol (27%) was just over the 25% quality control limit. This compound was not detected in any of the samples and the high RPD does not affect the use of the data.

### Laboratory Control Sample

All LCS recoveries were within the required limits.

Only 13 compounds were included in the target list.

### Calibrations

The following compounds in the initial calibration had %RPDs greater than 15%:

- 2,4-Dinitrophenol
- 2,4-Dinitrotoluene
- 2,6-Dinitrotoluene
- 2-Nitroaniline
- 2-Nitrophenol
- 4,6-Dinitro-2-Methylphenol
- 4-Nitrophenol
- Atrazine
- Benzaldehyde
- Benzo(g,h,i)Perylene
- Caprolactam
- Dibenz(a,h)Anthracene
- Hexachlorobutadiene
- Hexachlorocyclopentadiene
- Hexachloroethane
- Indeno(1,2,3-c,d)Pyrene
- N-Nitrosodiphenylamine
- Pentachlorophenol

When one of these compounds was detected in a sample, it was flagged with a "J" qualifier and is an estimated value.

Undetected data were not required to be qualified.

All percent differences in the continuing calibration were less than 20% with the exception of bis(2-chloroethyl)ether (22%).

The data for this compound were flagged with the "J" qualifier and are estimated values.

### Method Blanks

No compounds were detected in the method blank.

### Field Blank

A field blank was not analyzed with this sample delivery group.

### **Internal Standard Areas and Retention Times**

All internal standard recoveries and retention times were within the required limits.

### **Sample Results**

No problems were found with the results of any of the samples of this delivery group.

**SUMMARY OF THE ANALYTICAL DATA VALIDATION**  
**132 Dingens**

**Soil Total Metals - for Lead, Arsenic and Mercury**

**Samples Collected: September 17, 2015**

**Samples Received: September 17, 2015**

**Sample Delivery Group: J87473**

**Laboratory – TestAmerica**

**Laboratory Reference Numbers:**

<b>Lab ID</b>	<b>Field Sample #</b>
480-87473-1	CSB-5-4
480-87473-2	CSB-3-3
480-87473-3	CSW-21-4
480-87473-3MS (Hg Only)	CSW-21-4
480-87473-3MSD (Hg Only)	CSW-21-4

Soil samples were validated for inorganic analyses by the US EPA Region II data validation SOP (HW-2, Revision 13). Data were reviewed for usability according to the following criteria:

- \* - Holding Times
- \* - Calibration Verification
- \* - CRDL Standard
- \* - Laboratory Control Sample
  - Serial Dilution
- \* - Calibration Blanks
  - Field Blank / Equipment Rinsate Blank
- \* - Preparation Blanks
- \* - Matrix Spike
  - Duplicate Analyses
- \* - ICP Interference Check Sample
- \* - Detection Limit Results
- \* - Linear Range
- \* - Sample Results

\* - Indicates that all criteria were met for this parameter.

**Data Validation Summary**

No problems were detected that would affect the use of the data.

**Holding Times**

All samples were analyzed within the required holding times.

**CRDL Standards**

All of the CRDL standards were within the 70% - 130% quality control limits used for the validation.

**Initial and Continuing Calibrations**

No problems were found with any of the initial or continuing calibrations directly associated with the analyses of these samples.

**Preparation Blank**

None of the analytes were detected in the preparation blank.

**Calibration Blanks**

None of the analytes were detected in the calibration blanks.

**Equipment Rinsate Blank**

An equipment rinsate blank was not analyzed.

**ICP Interference Check Sample**

All of the ICP Interference Check Sample recoveries were within the required limits.

**Matrix Spike Recovery**

Sample 480-87473-3 / CSW-21-4 was used as the matrix spike and matrix spike duplicate for mercury.

The concentrations of mercury in the samples (3.3 mg/kg) were much too high to be affected by the concentration of the matrix spike added (0.47 mg/kg).

Lead and arsenic matrix spikes were not analyzed.

**Duplicate Analysis**

Sample 480-87473-3 / CSW-21-4 was used as the matrix spike duplicate for mercury.

The RPD of 26% was greater than the quality control limit of 20%.

All of the mercury data were flagged with the "J" qualifier and are estimated values.

Lead and arsenic matrix duplicates were not analyzed.

### **Laboratory Control Samples**

No problems were detected with the recoveries of the LCS standards.

### **Serial Dilution**

A serial dilution was not analyzed.

### **Instrument Detection Limit**

No problems were found with the instrument detection limits.

### **ICP Linear Ranges**

No problems were detected with the linear ranges.

### **Sample Results**

No other problems were detected with any of the data.

**SUMMARY OF THE ANALYTICAL DATA VALIDATION**  
**132 Dingens**

**Soil PCB Analyses by Method SW846 8082**

**Samples Collected: September 24, 2015**

**Samples Received: September 24, 2015**

**Sample Delivery Group: J87872**

**Laboratory – TestAmerica**

**Laboratory Reference Numbers:**

<b>Lab ID</b>	<b>Field Sample</b>
480-87872-1	CSB-13
480-87872-2	CSB-14
480-87872-3	CSB-15
480-87872-4	CSB-16
480-87872-4MS	CSB-16
480-87872-4MSD	CSB-16
480-87872-5	CSW-50-2
480-87872-6	CSW-53-2
480-87872-7	CSW-52-2
480-87872-8	CSW-51-2A
480-87872-8DU	CSW-51-2A
480-87872-9	CSW-51-2B
480-87872-10	CSW-60

Soil samples were validated for analyses of PCBs by the US EPA Region II data validation SOP (HW-45, Revision 1). Data were reviewed for usability according to the following criteria:

- Data Completeness
- \* - Holding Times
- Laboratory Blanks
- Field Blank / Equipment Rinsate Blank
- Surrogate Recoveries
- Surrogate Retention Times
- \* - Matrix Spike / Matrix Spike Duplicate
- \* - Laboratory Control Sample
- \* - Calibrations
- \* - Method Blanks
- GPC Calibration
- \* - Compound Identification

\* - Indicates that all criteria were met for this parameter.

**DATA VALIDATION SUMMARY**

The laboratory's case narrative states:

*The following sample was diluted due to the abundance of target analytes: CSB-13 (480-87872-1). Elevated reporting limits (RLs) are provided.*

*All primary data is reported from the ZB-35 column.*

Surrogate recoveries were only reported from the ZB-5 column. Recoveries from both columns should be reported.

Calibration blanks did not appear to be analyzed.

**Holding Times**

All extractions and analyses were performed within the required holding times.

**Surrogate Recoveries**

Surrogate recoveries were only reported from the ZB-5 column.

All surrogate recoveries were within the required limits.

**Matrix Spike**

Sample 480-87872-4 / CSB-16 was used as the matrix spike and matrix spike duplicate.

All recoveries and RPDs were within the required limits.

**Laboratory Control Samples**

All recoveries were within the laboratory's quality control limits.

**Initial Calibrations**

All %RSDs were less than 20%.

**Continuing Calibrations**

All of the percent differences were less than 20%.

**GPC Calibration**

A GPC cleanup was not performed on these samples.

**Method Blanks**

No problems were detected with any of the method blanks.



**Calibration Blanks**

Calibration blanks did not appear to be analyzed.

**Field Blank / Equipment Rinsate Blank.**

An equipment rinsate blank was not analyzed.

**Sample Results****Samples 480-87872-8 / CSW-51-2A and 480-87872-8 DU / CSW-51-2A DU**

No compounds were detected in either sample.

The data were qualified on the basis of the percent difference of the concentrations on the two columns:

<b><u>% Difference</u></b>	<b>Qualifier</b>
0 - 25%	None
25 - 70%	"J"
70 - 100%	"JN"
> 100%	"R"
100 - 200% (Interference detected)	"JN"
> 50% (Value is < CRQL)	"U"

**Sample 480-87872-3 / CSB-15**

The percent difference of PCB-1260 on the two columns was 35%.

The PCB-1260 data were flagged with the "J" qualifier and are estimated values.

All other percent differences were less than 25%.

No other problems were detected with the sample data.

**SUMMARY OF THE ANALYTICAL DATA VALIDATION  
132 Dingens**

**Soil Total Metals - for Arsenic and Mercury**

**Samples Collected: October 9, 2015**

**Samples Received: October 9, 2015**

**Sample Delivery Group: J88825**

**Laboratory – TestAmerica**

**Laboratory Reference Numbers:**

<b>Lab ID</b>	<b>Field Sample #</b>
480-88825-1	CSW-21-5
480-88825-2	CSB-5-5

Soil samples were validated for inorganic analyses by the US EPA Region II data validation SOP (HW-2, Revision 13). Data were reviewed for usability according to the following criteria:

- \* - Holding Times
- \* - Calibration Verification
- \* - CRDL Standard
- \* - Laboratory Control Sample
  - Serial Dilution
- \* - Calibration Blanks
  - Field Blank / Equipment Rinsate Blank
- \* - Preparation Blanks
  - Matrix Spike
- Duplicate Analyses
- \* - ICP Interference Check Sample
- \* - Detection Limit Results
- \* - Linear Range
- \* - Sample Results

\* - Indicates that all criteria were met for this parameter.

**Data Validation Summary**

No problems were detected that would affect the use of the data.

**Holding Times**

All samples were analyzed within the required holding times.

**CRDL Standards**

All of the CRDL standards were within the 70% - 130% quality control limits used for the validation.

**Initial and Continuing Calibrations**

No problems were found with any of the initial or continuing calibrations directly associated with the analyses of these samples.

**Preparation Blank**

No compounds were detected in the preparation blank.

**Calibration Blanks**

No compounds were detected in the calibration blanks.

**Equipment Rinsate Blank**

An equipment rinsate blank was not analyzed.

**ICP Interference Check Sample**

All of the ICP Interference Check Sample recoveries were within the required limits.

**Matrix Spike Recovery**

A matrix spike was not analyzed.

**Duplicate Analysis**

A matrix duplicate was not analyzed.

**Laboratory Control Sample**

No problems were detected with the recoveries of the LCS standards.

**Serial Dilution**

A serial dilution was not analyzed.

**Instrument Detection Limit**

No problems were found with the instrument detection limits.

### **ICP Linear Ranges**

No problems were detected with the linear ranges.

### **Sample Results**

No problems were detected with any of the data.

**SUMMARY OF THE ANALYTICAL DATA VALIDATION**  
**132 Dingens**

**Soil Total Metals - TAL**

**Samples Collected: October 14, 2015**

**Samples Received: October 14, 2015**

**Sample Delivery Group: J89112**

**Laboratory – TestAmerica**

**Laboratory Reference Numbers:**

<b>Lab ID</b>	<b>Field Sample #</b>
480-89112-1	TS-18
480-89112-1 MS	TS-18 MS
480-89112-1 MSD	TS-18 MSD
480-89112-2	TS-19
480-89112-3	TS-20
480-89112-3MS	TS-20 MS
480-89112-3MSD	TS-20 MSD
480-89112-4	TS-21

Soil samples were validated for inorganic analyses by the US EPA Region II data validation SOP (HW-2, Revision 13). Data were reviewed for usability according to the following criteria:

- \* - Holding Times
- \* - Calibration Verification
- \* - CRDL Standard
- \* - Laboratory Control Sample
  - Serial Dilution
- \* - Calibration Blanks
  - Field Blank / Equipment Rinsate Blank
  - Preparation Blanks
  - Matrix Spike
  - Matrix Spike Duplicate Analyses
- \* - ICP Interference Check Sample
- \* - Detection Limit Results
- \* - Linear Range
- \* - Sample Results

\* - Indicates that all criteria were met for this parameter.

**Data Validation Summary**

The problems with the spike recoveries and serial dilutions should be noted. These are described in detail below.

No other problems were detected that would affect the use of the data.

**Holding Times**

All samples were analyzed within the required holding times.

**CRDL Standards**

All of the CRDL standards were within the 70% - 130% quality control limits used for the validation.

**Initial and Continuing Calibrations**

No problems were found with any of the initial or continuing calibrations directly associated with the analyses of these samples.

**Preparation Blank**

Low concentrations of calcium (4 mg/kg) were detected in the method blanks.

The concentrations of calcium in the samples were too high to be affected by the blank contamination. The "B" qualifier was removed during the data validation.

**Calibration Blanks**

No analytes were detected in the calibration blanks.

**Equipment Rinsate Blank**

A rinsate blank was not collected.

**ICP Interference Check Sample**

All of the ICP Interference Check Sample recoveries were within the required limits.

**Matrix Spike Recovery / Matrix Spike Duplicate**

Samples 480-89112-1 / TS-18 and 480-89112-3 / TS-20 were used as the matrix spike and matrix spike duplicate.

Sample 480-89112-1 / TS-18

The concentrations of aluminum, barium, calcium, iron, lead, and manganese in the sample were too high to accurately calculate the spike recoveries. The data for these analytes were not required to be qualified.

All of the remaining spike recoveries and matrix spike duplicate RPDs were within the required limits with the following exceptions:

<b>Analyte</b>	<b>MS % Rec.</b>	<b>MSD % REC.</b>	<b>RPD</b>
Antimony	62%	59%	
Calcium			43%
Copper		1961%	142%
Magnesium	152%		
Potassium	149%	151%	
Zinc		31%	

The copper data were flagged with the "R" qualifier and technically rejected since the spike recovery (2,000%) was greater than 200% and the RPD (142%) was greater than 120%.

The data for the remaining compounds in sample 480-89112-1 / TS-18 were flagged with the "J" qualifier and are estimated values.

#### Sample 480-89112-3 / TS-20

The concentrations of aluminum, iron, and manganese in the sample were too high to accurately calculate the spike recoveries. The data for these analytes were not required to be qualified.

All of the remaining matrix spike recoveries and matrix spike duplicate RPDs were within the required limits with the following exceptions:

	<b>MS % Rec.</b>	<b>MSD % REC.</b>	<b>RPD</b>
Antimony	56%	55%	
Arsenic	147%		
Calcium	126%		44%
Magnesium	162%		
Potassium	221%		185%
Vanadium	132%		
Zinc			58%

The potassium data were flagged with the "R" qualifier and technically rejected since the spike recovery (221%) was greater than 200%.

The data for the remaining compounds in sample 480-89112-3 / TS-20 were flagged with the "J" qualifier and are estimated values.

#### Samples 480-89112-2 / TS-19 and 480-89112-4 / TS-21

The data for these samples were qualified on the basis of the total of the qualifiers for samples 480-89112-1 / TS-18 and 480-89112-3 / TS-20.

<b>Analyte</b>	<b>Qualifier</b>
Antimony	J
Arsenic	J
Calcium	J
Copper	R
Magnesium	J
Potassium	R
Vanadium	J
Zinc	J

A matrix spike and duplicate were not analyzed for mercury.

### Laboratory Control Sample

No problems were detected with the recoveries of the LCS standards.

### Serial Dilution

Samples 480-89112-1 / TS-18 and 480-89112-3 / TS-20 were used as the serial dilutions

Sample 480-89112-1 / TS-18

All of the percent differences were less than 10% with the following exceptions:

<b>Analyte</b>	<b>%D</b>
Aluminum	12%
Arsenic	11%
Barium	12%
Beryllium	14%
Cadmium	15%
Calcium	15%
Chromium, Total	16%
Copper	11%
Iron	19%
Magnesium	14%
Manganese	18%
Potassium	11%
Vanadium	13%
Zinc	20%

The data for these compounds were flagged with the "J" qualifier and are estimated values.

Sample 480-89112-3 / TS-20

All of the percent differences were less than 10% with the following exception:

<b>Analyte</b>	<b>%D</b>
Barium	12%

The data for barium was flagged with the "J" qualifier and is an estimated value.

Samples 480-89112-2 / TS-19 and 480-89112-4 / TS-21

The data for these samples were qualified on the basis of the total of the qualifiers for samples 480-89112-1 / TS-18 and 480-89112-3 / TS-20.

This was equivalent to the qualifiers for sample 480-89112-1 / TS-18.



**Instrument Detection Limit**

No problems were found with the instrument detection limits.

**ICP Linear Ranges**

No problems were detected with the linear ranges.

**Sample Results**

No problems were detected with any of the data.

## SUMMARY OF THE ANALYTICAL DATA VALIDATION 132 Dingens

**Soil PCB Analyses by Method SW846 8082**

**Samples Collected: October 14, 2015**

**Samples Received: October 14, 2015**

**Sample Delivery Group: J89112**

**Laboratory – TestAmerica**

**Laboratory Reference Numbers:**

Lab ID	Field Sample #
480-89112-1	TS-18
480-89112-1 MS	TS-18 MS
480-89112-1 MSD	TS-18 MSD
480-89112-2	TS-19
480-89112-3	TS-20
480-89112-3MS	TS-20 MS
480-89112-3MSD	TS-20 MSD
480-89112-4	TS-21

Soil samples were validated for analyses of PCBs by the US EPA Region II data validation SOP (HW-45, Revision 1). Data were reviewed for usability according to the following criteria:

- Data Completeness
- \* - Holding Times
- Laboratory Blanks
- Field Blank / Equipment Rinsate Blank
- Surrogate Recoveries
- Surrogate Retention Times
- \* - Matrix Spike / Matrix Spike Duplicate
- \* - Laboratory Control Sample
- \* - Calibrations
- \* - Method Blanks
- GPC Calibration
- \* - Compound Identification

\* - Indicates that all criteria were met for this parameter.

### DATA VALIDATION SUMMARY

The laboratory's case narrative states:

*All primary data is reported from the ZB-35 column.*

Surrogate recoveries were only reported from the ZB-5 column. Recoveries from both columns should be reported.

Calibration blanks did not appear to be analyzed.

**Holding Times**

All extractions and analyses were performed within the required holding times.

**Surrogate Recoveries**

Surrogate recoveries were only reported from the ZB-5 column.

All surrogate recoveries were within the required limits.

**Matrix Spike**

Samples 480-89112-1 / TS-18 and 480-89112-3 / TS-20 were used as the matrix spike and matrix spike duplicate.

All recoveries and RPDs were within the required limits.

**Laboratory Control Samples**

All recoveries were within the laboratory's quality control limits.

**Initial Calibrations**

All %RSDs were less than 20%.

**Continuing Calibrations**

All of the percent differences on the ZB-35 column were greater than 20% (as high as 40%).

The laboratory's case narrative notes that the data were reported from the ZB-5 column.

The data were not qualified for the high percent differences.

**GPC Calibration**

A GPC cleanup was not performed on these samples.

**Method Blanks**

No problems were detected with any of the method blanks.

**Calibration Blanks**

Calibration blanks did not appear to be analyzed.

**Field Blank / Equipment Rinsate Blank.**

An equipment rinsate blank was not analyzed.

**Sample Results**

The data were qualified on the basis of the percent difference of the concentrations on the two columns:

<b><u>% Difference</u></b>	<b>Qualifier</b>
0 - 25%	None
25 - 70%	"J"
70 - 100%	"JN"
> 100%	"R"
100 - 200% (Interference detected)	"JN"
> 50% (Value is < CRQL)	"U"

No PCBs were detected in any of the samples.

No other problems were detected with the sample data.

**DATA USABILITY SUMMARY REPORT**  
**132 Dingers**

**Soil Semivolatile Organic Analyses by Method SW846 8260B**

**Samples Collected: October 14, 2015**

**Samples Received: October 14, 2015**

**Sample Delivery Group: J89112**

**Laboratory – TestAmerica**

**Laboratory Reference Numbers:**

<b>Lab ID</b>	<b>Field Sample #</b>
480-89112-1	TS-18
480-89112-2	TS-19
480-89112-3	TS-20
480-89112-3MS	TS-20
480-89112-3MSD	TS-20
480-89112-4	TS-21

Soil samples were validated for analyses of semivolatile organics by the US EPA Region II data validation SOP (HW-22, Revision 3). Data were reviewed for usability according to the following criteria:

- \* - Data Completeness
- \* - GC/MS Tuning
- \* - Holding Times
- Calibrations
- \* - Laboratory Blanks
- \* - Laboratory Control Sample
- \* - Surrogate Compound Recoveries
- \* - Internal Standard Recoveries
- Matrix Spike / Matrix Spike Duplicate
- Field Blank
- \* - Compound Identification
- \* - Compound Quantitation

\* - Indicates that all criteria were met for this parameter.

**DATA VALIDATION SUMMARY**

The laboratory's case narrative states:

*The following samples were diluted due to color and, viscosity: TS-20 (480-89112-3), TS-20 (480-89112-3[MS]) and TS-20 (480-89112-3[MSD]). Elevated reporting limits (RL) are provided.*

*The continuing calibration verification (CCV) associated with batch 480-269161 recovered above the upper control limit for Benzaldehyde. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: TS-18 (480-89112-1), TS-19 (480-89112-2) and TS-21 (480-89112-4).*

*The following samples were diluted due to appearance and viscosity: TS-18 (480-89112-1), TS-19 (480-89112-2) and TS-21 (480-89112-4). Elevated reporting limits (RL) are provided.*

*The following samples were diluted due to the nature of the sample matrix: TS-20 (480-89112-3[MS]) and TS-20 (480-89112-3[MSD]). As such, surrogate and MS/MSD spike recoveries were diluted out and are not reported.*

The problems with the calibrations should be noted.

## Holding Times

All samples were extracted (14 days) and analyzed (40 days) within the contractual and technical times required by the US EPA Region II protocols.

## Tunes

No problems were detected with any of the tunes associated with the samples of this delivery group.

## Surrogate Recoveries

All of the surrogate recoveries were within the required limits with the following exceptions:

Client Sample	ID Lab Sample ID	A 2FP	A PHL	B NBZ	B FBP	A TBP	B TPH
TS-20MS	480-89112-3MS					158%	

### QC LIMITS

2FP = 2-Fluorophenol (Surr) 18-120

PHL = Phenol-d5 (Surr) 11-120

NBZ = Nitrobenzene-d5 (Surr) 34-132

FBP = 2-Fluorobiphenyl 37-120

TBP = 2,4,6-Tribromophenol (Surr) 39-146

TPH = p-Terphenyl-d14 (Surr) 65-153

The NYS DEC ASP protocols allow for one surrogate in each fraction to be outside of the quality control limits. The data were not required to be qualified.

All other surrogate recoveries were within the required limits.

## Matrix Spike / Matrix Spike Duplicate

Sample 480-89112-3 TS-20 was used as the matrix spike and matrix spike duplicate. All recoveries and RPDs were within the required limits with the following exceptions:

Compound	MS % Rec.	MSD % Rec.	%RPD
2,4-Dinitrotoluene	127%		
Bis(2-ethylhexyl)phthalate	148%	136%	

Neither of these compounds were detected in any of the samples.

High recoveries do not affect undetected data and undetected data were not required to be qualified.

### Laboratory Control Sample

All LCS recoveries were within the required limits.

Only 13 compounds were included in the target list.

### Calibrations

The following samples were analyzed on GC/MS HP5973U:

480-89112-3	TS-20
480-89112-3MS	TS-20
480-89112-3MSD	TS-20

The following compounds had %RPDs greater than 15% in the initial calibration:

2,4,5-Trichlorophenol  
 2,4,6-Trichlorophenol  
 2,4-Dichlorophenol  
 2,4-Dinitrophenol  
 2,4-Dinitrotoluene  
 2,6-Dinitrotoluene  
 2-Nitroaniline  
 2-Nitrophenol  
 3,3'-Dichlorobenzidine  
 3-Nitroaniline  
 4,6-Dinitro-2-Methylphenol  
 4-Chloro-3-Methylphenol  
 4-Nitroaniline  
 4-Nitrophenol  
 Atrazine  
 Benzaldehyde  
 Benzo(a)Pyrene  
 Benzo(b)Fluoranthene  
 Benzo(g,h,i)Perylene  
 Bis(2-Ethylhexyl) Phthalate  
 Caprolactam  
 Dibenzo(a,h)Anthracene  
 Di-N-Butyl Phthalate  
 Di-N-Octylphthalate  
 Indeno(1,2,3-c,d)Pyrene  
 Isophorone  
 N-Nitrosodi-N-Propylamine  
 Pentachlorophenol

When one of these compounds was detected in a sample, it was flagged with a "J" qualifier and is an estimated value.

Undetected data were not required to be qualified.

All percent differences in the continuing calibration were less than 20%.

The following samples were analyzed on GC/MS HP5973X:

480-89112-1	TS-18
480-89112-2	TS-19
480-89112-4	TS-21

The following compounds had %RPDs greater than 15% in the initial calibration:

- 2,4,6-Trichlorophenol
- 2,4-Dinitrophenol
- 2,4-Dinitrotoluene
- 2,6-Dinitrotoluene
- 2-Nitroaniline
- 2-Nitrophenol
- 4,6-Dinitro-2-Methylphenol
- 4-Nitrophenol
- Atrazine
- Benzaldehyde
- Benzo(b)Fluoranthene
- Benzo(g,h,i)Perylene
- Caprolactam
- Dibenz(a,h)Anthracene
- Hexachlorobutadiene
- Hexachlorocyclopentadiene
- Hexachloroethane
- Indeno(1,2,3-c,d)Pyrene
- N-Nitrosodi-N-Propylamine
- Pentachlorophenol

When one of these compounds was detected in a sample, it was flagged with a "J" qualifier and is an estimated value.

Undetected data were not required to be qualified.

All percent differences in the continuing calibration were less than 20%.

### Method Blanks

No compounds were detected in either of the method blanks.

### Field Blank

A field blank was not analyzed with this sample delivery group.



### **Internal Standard Areas and Retention Times**

All internal standard recoveries and retention times were within the required limits.

### **Sample Results**

No problems were found with the results of any of the samples of this delivery group.

**SUMMARY OF THE ANALYTICAL DATA VALIDATION**  
**132 Dingens**

**Soil PCB Analyses by Method SW846 8082**

**Samples Collected: October 14, 2015**

**Samples Received: October 14, 2015**

**Sample Delivery Group: J89114**

**Laboratory – TestAmerica**

**Laboratory Reference Numbers:**

<b>Lab ID</b>	<b>Field Sample #</b>
480-89114-1	CSB-12-2
480-89114-1 MS	CSB-12-2 MS
480-89114-1 MSD	CSB-12-2 MSD
480-89114-2	CSB-13-2
480-89114-3	CSB-14-2
480-89114-4	CSB-17
480-89114-5	CSB-15-2
480-89114-6	CSW-51-3B
480-89114-7	CSW-55-2
480-89114-8	CSW-61
480-89114-9	CSW-62
480-89114-10	CSW-63
480-89114-11	CSW-64
480-89114-12	CSW-65
480-89114-13	CSW-66
480-89114-14	CSW-67
480-89114-15	CSW-68
480-89114-16	CSW-69
480-89114-17	CSW-70

Soil samples were validated for analyses of PCBs by the US EPA Region II data validation SOP (HW-45, Revision 1). Data were reviewed for usability according to the following criteria:

- Data Completeness
- \* - Holding Times
- \* - Laboratory Blanks
  - Field Blank / Equipment Rinsate Blank
  - Surrogate Recoveries
- \* - Matrix Spike / Matrix Spike Duplicate
- \* - Laboratory Control Sample
- \* - Calibrations
- \* - Method Blanks
  - GPC Calibration
  - Compound Identification

\* - Indicates that all criteria were met for this parameter.

## DATA VALIDATION SUMMARY

The laboratory's case narrative states:

*Decachlorobiphenyl surrogate recovery for the following sample was outside control limits: CSW-64 (480-89114-11). Matrix interference is suspected and Tetrachloro-m-xylene surrogate recovery was within control limits; therefore, re-extraction and re-analysis were not performed.*

*The following sample required a dilution due to the matrix effects and is reported as elevated non-detections for all target analytes (Aroclors); CSW-62 (480-89114-9). The reported values represent the lowest limit that can be ascertained given the sample composition.*

*The following samples were diluted due to the nature of the sample matrix: CSB-15-2 (480-89114-5), CSW-63 (480-89114-10) and CSW-66 (480-89114-13). Elevated reporting limits (RLs) are provided.*

*The following sample appears to contain polychlorinated biphenyls (PCBs); however, due to the presence of unknown patterns, the PCBs in the sample do not closely match any of the laboratory's Aroclor standards used for instrument calibration: CSW-62 (480-89114-9). The sample was attempted to be quantified and reported as PCB-1254, though due to the poor match with the Aroclor standard, qualitative and quantitative uncertainty the final result was below the method detection limit and reported as non-detect.*

*All primary data is reported from the ZB-5 column.*

Calibration blanks did not appear to be analyzed.

## Holding Times

All extractions and analyses were performed within the required holding times.

## Surrogate Recoveries

The recoveries of the following surrogates were outside of the quality control limits.

Client Sample	Lab Sample ID	TCX1	TCX2	DCB1	DCB2
CSW-62	480-89114-9				177%
CSW-63	480-89114-10				206%
CSW-64	480-89114-11			218%	284%

The NYS DES ASP protocols allow the recovery of one surrogate to be outside of the quality control limits. The data for samples CSW-62 / 480-89114-9 and CSW-63 / 480-89114-10 were not required to be qualified.

Sample CSW-64 / 480-89114-11 contained PCB-1248, PCB-1254 and PCB-1260.

The data for the detected PCBs were flagged with the "J" qualifier and are estimated values.

Data for undetected compounds were not qualified since the surrogate recoveries were above the quality control limit. High recoveries do not affect the use of undetected data.

All other surrogate recoveries were within the required limits.

### **Matrix Spike**

Sample 480-89114-1 / CSB-12-2 was used as the matrix spike and matrix spike duplicate.

All recoveries and RPDs were within the required limits.

### **Laboratory Control Samples**

All recoveries were within the laboratory's quality control limits.

### **Initial Calibrations**

All %RSDs were less than 20%.

### **Continuing Calibrations**

Many of the percent differences on the ZB-35 column were greater than 20% (as high as 40%).

The laboratory's case narrative notes that the data were reported from the ZB-5 column.

The data were not qualified for the high percent differences.

### **GPC Calibration**

A GPC cleanup was not performed on these samples.

### **Method Blanks**

No problems were detected with any of the method blanks.

### **Calibration Blanks**

Calibration blanks did not appear to be analyzed.

### **Field Blank / Equipment Rinsate Blank.**

An equipment rinsate blank was not analyzed.

## Sample Results

The data were qualified on the basis of the percent difference of the concentrations on the two columns:

<b><u>% Difference</u></b>	<b>Qualifier</b>
0 - 25%	None
25 - 70%	"J"
70 - 100%	"JN"
> 100%	"R"
100 - 200% (Interference detected)	"JN"
> 50% (Value is < CRQL)	"U"

The following samples had PCB percent differences between 25% and 70%:

<b>Lab Sample ID</b>	<b>Client Sample</b>	<b>PCB-1248</b>	<b>PCB-1254</b>	<b>PCB-1260</b>
480-89114-5	CSB-15-2		34%	55%
480-89114-7	CSW-55-2			42%
480-89114-8	CSW-61			59%
480-89114-11	CSW-64		28%	28%
480-89114-13	CSW-66			48%
480-89114-15	CSW-68		26%	

The data for these PCBs were flagged with the "J" qualifier and are estimated values.

No other problems were detected with the sample data.

**SUMMARY OF THE ANALYTICAL DATA VALIDATION**  
**132 Dingens**

**Soil PCB Analyses by Method SW846 8082**

**Samples Collected: October 26, 2015**

**Samples Received: October 26, 2015**

**Sample Delivery Group: J89839**

**Laboratory – TestAmerica**

**Laboratory Reference Numbers:**

<b>Lab ID</b>	<b>Field Sample #</b>
480-89839-1	CSB-15-3
480-89839-2	CSW-51-4B
480-89839-2MS	CSW-51-4B
480-89839-2MSD	CSW-51-4B
480-89839-3	CSW-70-2

Soil samples were validated for analyses of PCBs by the US EPA Region II data validation SOP (HW-45, Revision 1). Data were reviewed for usability according to the following criteria:

- Data Completeness
- \* - Holding Times
- \* - Laboratory Blanks
- Field Blank / Equipment Rinsate Blank
- \* - Surrogate Recoveries
- \* - Matrix Spike / Matrix Spike Duplicate
- \* - Laboratory Control Sample
- \* - Calibrations
- \* - Method Blanks
- GPC Calibration
- \* - Compound Identification

\* - Indicates that all criteria were met for this parameter.

**DATA VALIDATION SUMMARY**

The laboratory's case narrative states:

*All primary data is reported from the ZB-5 column.*

Calibration blanks did not appear to be analyzed.

Surrogate recoveries were only reported from the ZB-5 column. Recoveries from both columns should be reported.

**Holding Times**

All extractions and analyses were performed within the required holding times.

**Surrogate Recoveries**

All surrogate recoveries were within the required limits.

**Matrix Spike**

Sample 480-89839-2 / CSW-51-4B was used as the matrix spike and matrix spike duplicate.

All recoveries and RPDs were within the required limits.

**Laboratory Control Samples**

All recoveries were within the laboratory's quality control limits.

**Initial Calibrations**

All %RSDs were less than 20%.

**Continuing Calibrations**

All %Ds were less than 20%.

**GPC Calibration**

A GPC cleanup was not performed on these samples.

**Method Blanks**

No problems were detected with any of the method blanks.

**Calibration Blanks**

Calibration blanks did not appear to be analyzed.

**Field Blank / Equipment Rinsate Blank.**

An equipment rinsate blank was not analyzed.

**Sample Results**

The data were qualified on the basis of the percent difference of the concentrations on the two columns:

<b><u>% Difference</u></b>	<b>Qualifier</b>
0 - 25%	None
25 - 70%	"J"
70 - 100%	"JN"
> 100%	"R"
100 - 200% (Interference detected)	"JN"
> 50% (Value is < CRQL)	"U"

The following sample had PCB percent differences between 25% and 70%:

<b>Lab Sample ID</b>	<b>Client Sample</b>	<b>PCB-1248</b>	<b>PCB-1254</b>	<b>PCB-1260</b>
480-89839-2	CSW-51-4B		28%	

The data for this PCB was flagged with the "J" qualifier and are estimated values.

No other problems were detected with the sample data.



**SUMMARY OF THE ANALYTICAL DATA VALIDATION  
132 Dingens**

**Soil Total Metals – TAL & Cyanide**

**Sample Collected: November 2, 2015**

**Sample Received: November 2, 2015**

**Sample Delivery Group: 780-90293**

**Laboratory – TestAmerica**

**Laboratory Reference Numbers:**

<b>Lab ID</b>	<b>Field Sample #</b>
480-90293-1	BFS-1

One soil sample was validated for inorganic analyses by the US EPA Region II data validation SOP (HW-2, Revision 13). Data were reviewed for usability according to the following criteria:

- \* - Holding Times
- \* - Calibration Verification
- \* - CRDL Standard
- \* - Laboratory Control Sample
  - Serial Dilution
  - Calibration Blanks
  - Field Blank / Equipment Rinsate Blank
  - Preparation Blanks
  - Matrix Spike
  - Matrix Spike Duplicate Analyses
- \* - ICP Interference Check Sample
- \* - Detection Limit Results
- \* - Linear Range
- \* - Sample Results

\* - Indicates that all criteria were met for this parameter.

**Data Validation Summary**

The laboratory's case narrative states:

*The following sample was diluted due to the presence of total Calcium which interferes with total Copper: BFS-1 (480-90293-1). Elevated reporting limits (RLs) are provided.*

The data were reported on a wet weight basis.

No other problems were detected that would affect the use of the data.

**Holding Times**

All samples were analyzed within the required holding times.

**CRDL Standards**

All of the CRDL standards were within the 70% - 130% quality control limits used for the validation.

**Initial and Continuing Calibrations**

No problems were found with any of the initial or continuing calibrations directly associated with the analyses of these samples.

**Preparation Blank**

A low concentration of manganese (0.0521 mg/kg) was present in the preparation blank.

The concentration of manganese in the sample was too high to be affected by the low level blank contamination.

No other analytes were detected in the preparation blank.

**Calibration Blanks**

Very low concentrations of several analytes were detected in the continuing calibration blanks.

The concentrations of these analytes in the sample were too high to be affected by the low level blank contamination.

**Equipment Rinsate Blank**

A rinsate blank was not collected.

**ICP Interference Check Sample**

All of the ICP Interference Check Sample recoveries were within the required limits.

**Matrix Spike**

A matrix spike was not analyzed.

**Matrix Duplicate**

A matrix duplicate was not analyzed.

**Laboratory Control Sample**

No problems were detected with the recoveries of the LCS standards.

### **Serial Dilution**

A serial dilution was not analyzed.

### **Instrument Detection Limit**

No problems were found with the instrument detection limits.

### **ICP Linear Ranges**

No problems were detected with the linear ranges.

### **Sample Results**

The data were reported on a wet weight basis.

No other problems were detected with any of the data.

**SUMMARY OF THE ANALYTICAL DATA VALIDATION**  
**132 Dings**

**Soil PCB Analyses by Method SW846 8082**

**Sample Collected: November 2, 2015**

**Sample Received: November 2, 2015**

**Sample Delivery Group: 780-90293**

**Laboratory – TestAmerica**

**Laboratory Reference Numbers:**

<b>Lab ID</b>	<b>Field Sample #</b>
480-90293-1	BFS-1

Soil samples were validated for analyses of PCBs by the US EPA Region II data validation SOP (HW-45, Revision 1). Data were reviewed for usability according to the following criteria:

- Data Completeness
- \* - Holding Times
- \* - Laboratory Blanks
  - Field Blank / Equipment Rinsate Blank
- \* - Surrogate Recoveries
  - Matrix Spike / Matrix Spike Duplicate
- \* - Laboratory Control Sample
- \* - Calibrations
- \* - Method Blanks
  - GPC Calibration
- \* - Compound Identification

\* - Indicates that all criteria were met for this parameter.

**DATA VALIDATION SUMMARY**

The laboratory's case narrative states:

*All primary data is reported from the ZB-5 column.*

The data appear to be reported on a wet weight basis

Calibration blanks did not appear to be analyzed.

Surrogate recoveries were only reported from the ZB-5 column. Recoveries from both columns should be reported.

**Holding Times**

All extractions and analyses were performed within the required holding times.

**Surrogate Recoveries**

All surrogate recoveries were within the required limits.

**Matrix Spike**

A matrix spike was not analyzed.

**Laboratory Control Samples**

All recoveries were within the laboratory's quality control limits.

**Initial Calibrations**

All %RSDs were less than 20%.

**Continuing Calibrations**

All %Ds were less than 20%.

**GPC Calibration**

A GPC cleanup was not performed on these samples.

**Method Blanks**

No problems were detected with any of the method blanks.

**Calibration Blanks**

Calibration blanks did not appear to be analyzed.

**Field Blank / Equipment Rinsate Blank.**

An equipment rinsate blank was not analyzed.

**Sample Results**

The data appear to be reported on a wet weight basis.

The data were qualified on the basis of the percent difference of the concentrations on the two columns:

<u>% Difference</u>	<b>Qualifier</b>
0 - 25%	None
25 - 70%	"J"
70 - 100%	"JN"
> 100%	"R"
100 - 200% (Interference detected)	"JN"
> 50% (Value is < CRQL)	"U"

All percent differences were less than 25%.

No other problems were detected with the sample data.

**SUMMARY OF THE ANALYTICAL DATA VALIDATION**  
**132 Dingens**

**Soil Pesticide Analyses**

**Sample Collected: November 2, 2015**

**Sample Received: November 2, 2015**

**Sample Delivery Group: 780-90293**

**Laboratory – TestAmerica**

**Laboratory Reference Numbers:**

<b>Lab ID</b>	<b>Field Sample #</b>
480-90293-1	BFS-1

One soil sample was validated for analyses of pesticides by the US EPA Region II data validation SOP (HW-44, Revision 1). Data were reviewed for usability according to the following criteria:

- \* - Data Completeness
- \* - Holding Times
  - Field Blanks
- \* - Field Duplicates
  - Surrogate Recoveries
- \* - Surrogate Retention Times
  - Matrix Spike / Matrix Spike Duplicate
- \* - Laboratory Control Sample
  - Calibrations
- \* - Method Blanks
  - Calibration Blanks
- \* - Performance Evaluation Mixtures
  - GPC Analysis
- \* - Compound Identification

\* - Indicates that all criteria were met for this parameter.

**DATA VALIDATION SUMMARY**

The laboratory's case narrative states:

*All primary data is reported from the RTX-CLP-II column.*

The data appear to be reported on a wet weight basis.

Calibration blanks did not appear to have been analyzed.

No other problems were detected with any of the data.

**Holding Times**

All extractions and analyses were performed within the required holding times.

**Surrogate Recoveries**

All surrogate recoveries were within the required limits.

**Matrix Spike**

A matrix spike was not analyzed.

**Laboratory Control Samples**

All recoveries were within the quality control limits used for the validation.

**Initial Calibrations**

The initial calibrations were calculated on the basis of a linear regressions as opposed to %RSD. All correlation coefficients were greater than 0.99.

**Continuing Calibrations**

The percent difference of several of the continuing calibrations were greater than the 20% quality control limit.

In all cases the calculated concentration was greater than the concentration of the standard. No pesticides were detected in the sample.

The high recoveries do not affect the use of the data.

**GPC Calibration**

A GPC cleanup was not performed on these samples.

**Calibration Blanks**

Calibration blanks did not appear to have been analyzed.

**Method Blank**

No compounds were detected in the method blank.

**Field Blank**

A field blank was not analyzed with this sample delivery group.

**Sample Results**

The data appear to be reported on a wet weight basis.



The data were qualified on the basis of the percent difference of the concentrations on the two columns:

<b><u>% Difference</u></b>	<b>Qualifier</b>
0 - 25%	None
25 - 70%	"J"
70 - 100%	"JN"
> 100%	"R"
100 - 200% (Interference detected)	"JN"
> 50% (Value is < CRQL)	"U"

No pesticides were detected in the sample.

**DATA USABILITY SUMMARY REPORT**  
**132 Dings**

**Soil Semivolatile Organic Analyses by Method SW846 8260B**

**Sample Collected: November 2, 2015**

**Sample Received: November 2, 2015**

**Sample Delivery Group: 780-90293**

**Laboratory – TestAmerica**

**Laboratory Reference Numbers:**

**Lab ID**

480-90293-1

**Field Sample #**

BFS-1

One soil sample was validated for analyses of semivolatile organics by the US EPA Region II data validation SOP (HW-22, Revision 3). Data were reviewed for usability according to the following criteria:

- \* - Data Completeness
- \* - GC/MS Tuning
- \* - Holding Times
  - Calibrations
- \* - Laboratory Blanks
- \* - Laboratory Control Sample
- \* - Surrogate Compound Recoveries
- \* - Internal Standard Recoveries
  - Matrix Spike / Matrix Spike Duplicate
  - Field Blank
- \* - Compound Identification
- \* - Compound Quantitation

\* - Indicates that all criteria were met for this parameter.

**DATA VALIDATION SUMMARY**

The laboratory's case narrative states:

*The following samples were diluted due to appearance and viscosity: BFS-1 (480-90293-1). Elevated reporting limits (RL) are provided.*

The data appear to be reported on a wet weight basis.

No problems were found that would affect the use of the data.

**Holding Times**

All samples were extracted (14 days) and analyzed (40 days) within the contractual and technical times required by the US EPA Region II protocols.

**Tunes**

No problems were detected with any of the tunes associated with the samples of this delivery group.

**Surrogate Recoveries**

All of the surrogate recoveries were within the required limits.

**Matrix Spike / Matrix Spike Duplicate**

A matrix spike and matrix spike duplicate were not analyzed.

**Laboratory Control Sample**

All LCS recoveries were within the required limits.

Only 6 compounds were included in the target list.

**Calibrations**

Several compounds had %RSDs greater than 15% in the initial calibration. None of these were detected in the sample and the data were not required to be qualified.

All percent differences in the continuing calibration were less than 20%.

**Method Blanks**

No compounds were detected in either of the method blanks.

**Field Blank**

A field blank was not analyzed with this sample delivery group.

**Internal Standard Areas and Retention Times**

All internal standard recoveries and retention times were within the required limits.

**Sample Results**

The data appear to be reported on a wet weight basis.

No problems were found with the results of any of the samples of this delivery group.

**DATA USABILITY SUMMARY REPORT**  
**132 Dings**

**Soil Volatile Organic Analyses by Method SW846 8260C**

**Sample Collected: November 2, 2015**

**Sample Received: November 2, 2015**

**Sample Delivery Group: 780-90293**

**Laboratory – TestAmerica**

**Laboratory Reference Numbers:**

**Lab ID**

480-90293-1

**Field Sample #**

BFS-1

One soil sample was validated for analyses of volatile organics by the US EPA Region II data validation SOP (HW-24, Revision 2, 2008). Data were reviewed for usability according to the following criteria:

- \* - Data Completeness
- \* - GC/MS Tuning
- \* - Holding Times
  - Calibrations
- \* - Laboratory Blank
  - Trip Blank
  - Equipment Blank
  - Field Blank
- \* - Surrogate Compound Recoveries
- \* - Internal Standard Recoveries
  - Matrix Spike
- \* - Laboratory Control Samples
- \* - Compound Identification
- \* - Compound Quantitation

\* - Indicates that all criteria were met for this parameter.

**DATA VALIDATION SUMMARY**

The laboratory's case narrative states:

*Reported analyte concentrations in the following samples are below 200 ug/kg and may be biased low due to the samples not being collected according to 5035-L/5035A-L low-level specifications: BFS-1 (480-90293-1).*

Only a low concentration of chloroform (0.35J ug/kg) was detected in the sample. The data were not qualified for the sample collection.

Percent moisture was not noted on the sample data summary form. The metals data summary form indicates that the analyses were reported on a wet weight basis.

No other problems were detected that would affect the use of the data.

**Holding Times**

All of the samples were analyzed within 14 days of collection.

**Tunes**

No problems were detected with the tunes associated with the samples of this delivery group.

**Surrogate Compound Recoveries**

All surrogate compound recoveries were within the quality assurance limits.

**Calibrations**

All of the %RSDs in the initial calibration on were less than 20%.

All of the percent differences in the one continuing calibration were less than 20%.

All of the relative response factors (rrfs) were greater than 0.05 with the exception of 1,4-dioxane (0.0067).

This compound was not detected in the sample. The data were flagged with the "R" qualifier and technically rejected.

**Matrix Spike**

A matrix spike was not analyzed.

**Laboratory Control Sample**

All LCS recoveries were within the 70% - 130% quality control limits used for the validation.

Only 14 compounds were included in the laboratory control sample.

**Method Blank**

No compounds were detected in the method blank.

**Trip Blank**

A trip blank was not analyzed.

**Equipment Blank**

An equipment blank was not analyzed.

### **Field Blank**

A field blank was not analyzed.

### **Internal Standard Areas and Retention Times**

The areas and retention times of all internal standards were within the required quality control limits.

### **Sample Results**

Percent moisture was not noted on the sample data summary form. The metals data summary form indicates that the analyses were reported on a wet weight basis.

No problems were detected with any of the samples.

**SUMMARY OF THE ANALYTICAL DATA VALIDATION**  
**132 Dings**

**Soil PCB Analyses by Method SW846 8082**

**Sample Collected: November 2, 2015**

**Sample Received: November 2, 2015**

**Sample Delivery Group: 780-90295**

**Laboratory – TestAmerica**

**Laboratory Reference Numbers:**

<b>Lab ID</b>	<b>Field Sample #</b>
480-90295-1	CSW-70-3
480-90295-1MS	CSW-70-3
480-90295-1MSD	CSW-70-3

Soil samples were validated for analyses of PCBs by the US EPA Region II data validation SOP (HW-45, Revision 1). Data were reviewed for usability according to the following criteria:

- Data Completeness
- \* - Holding Times
- \* - Laboratory Blanks
  - Field Blank / Equipment Rinsate Blank
- \* - Surrogate Recoveries
- \* - Matrix Spike / Matrix Spike Duplicate
- \* - Laboratory Control Sample
- \* - Calibrations
- \* - Method Blanks
  - GPC Calibration
- \* - Compound Identification

\* - Indicates that all criteria were met for this parameter.

**DATA VALIDATION SUMMARY**

The laboratory's case narrative states:

*All primary data is reported from the ZB-5 column.*

Calibration blanks did not appear to be analyzed.

Surrogate recoveries were only reported from the ZB-5 column. Recoveries from both columns should be reported.

**Holding Times**

All extractions and analyses were performed within the required holding times.

**Surrogate Recoveries**

All surrogate recoveries were within the required limits.

**Matrix Spike**

Sample 480-90295-1 / CSW-70-3 was used as the matrix spike and matrix spike duplicate.

All recoveries and RPDs were within the required limits.

**Laboratory Control Samples**

All recoveries were within the laboratory's quality control limits.

**Initial Calibrations**

All %RSDs were less than 20%.

**Continuing Calibrations**

All %Ds were less than 20%.

**GPC Calibration**

A GPC cleanup was not performed on these samples.

**Method Blanks**

No problems were detected with any of the method blanks.

**Calibration Blanks**

Calibration blanks did not appear to be analyzed.

**Field Blank / Equipment Rinsate Blank.**

An equipment rinsate blank was not analyzed.

**Sample Results**

The data were qualified on the basis of the percent difference of the concentrations on the two columns:



<b><u>% Difference</u></b>	<b>Qualifier</b>
0 - 25%	None
25 - 70%	"J"
70 - 100%	"JN"
> 100%	"R"
100 - 200% (Interference detected)	"JN"
> 50% (Value is < CRQL)	"U"

All of the percent differences in the sample were less than 20%.

No other problems were detected with the sample data.

**APPENDIX I-2**  
**LABORATORY REPORTS**  
**(Digital Copy on CD)**

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-84833-1

Client Project/Site: 132 Dingens

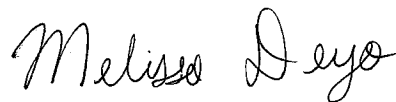
For:

Iyer Environmental Group, LLC

44 Rolling Hills Drive

Orchard Park, New York 14127

Attn: Dr. Dharmarajan R Iyer



Authorized for release by:

8/6/2015 4:09:05 PM

Melissa Deyo, Project Manager I

(716)504-9874

[melissa.deyo@testamericainc.com](mailto:melissa.deyo@testamericainc.com)

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Visit us at:

[www.testamericainc.com](http://www.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.



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# Definitions/Glossary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-84833-1

## Qualifiers

### Metals

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.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)

## Case Narrative

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-84833-1

**Job ID: 480-84833-1**

**Laboratory: TestAmerica Buffalo**

### Narrative

#### Job Narrative 480-84833-1

#### Receipt

The samples were received on 7/30/2015 5:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 18.6° C.

#### Metals

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

#### General Chemistry

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

# Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-84833-1

## Client Sample ID: CSW-1

## Lab Sample ID: 480-84833-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2830	B	5.5	0.12	mg/Kg	5	✱	6010C	Total/NA

## Client Sample ID: CSW-2

## Lab Sample ID: 480-84833-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	166	B	1.3	0.029	mg/Kg	1	✱	6010C	Total/NA

## Client Sample ID: CSW-3

## Lab Sample ID: 480-84833-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2140	B	6.4	0.14	mg/Kg	5	✱	6010C	Total/NA

## Client Sample ID: CSW-4

## Lab Sample ID: 480-84833-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1710	B	1.4	0.032	mg/Kg	1	✱	6010C	Total/NA

## Client Sample ID: CSW-5

## Lab Sample ID: 480-84833-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	611	B	1.1	0.025	mg/Kg	1	✱	6010C	Total/NA

## Client Sample ID: CSB-1

## Lab Sample ID: 480-84833-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	53.6	B	1.4	0.031	mg/Kg	1	✱	6010C	Total/NA

## Client Sample ID: CSW-6

## Lab Sample ID: 480-84833-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1610	B	1.1	0.024	mg/Kg	1	✱	6010C	Total/NA

## Client Sample ID: CSW-7

## Lab Sample ID: 480-84833-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	3220	B	8.2	0.18	mg/Kg	5	✱	6010C	Total/NA

## Client Sample ID: CSW-8

## Lab Sample ID: 480-84833-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	860	B	1.3	0.029	mg/Kg	1	✱	6010C	Total/NA

## Client Sample ID: CSW-9

## Lab Sample ID: 480-84833-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1960	B	5.3	0.12	mg/Kg	5	✱	6010C	Total/NA

## Client Sample ID: CSW-10

## Lab Sample ID: 480-84833-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead									

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

# Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-84833-1

## Client Sample ID: CSW-10 (Continued)

Lab Sample ID: 480-84833-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2160	B	5.2	0.11	mg/Kg	5	☼	6010C	Total/NA

## Client Sample ID: CSB-2

Lab Sample ID: 480-84833-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	4090	B	7.7	0.17	mg/Kg	5	☼	6010C	Total/NA

## Client Sample ID: CSW-11

Lab Sample ID: 480-84833-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2370	B	1.7	0.037	mg/Kg	1	☼	6010C	Total/NA

## Client Sample ID: CSW-12

Lab Sample ID: 480-84833-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2360	B	1.8	0.040	mg/Kg	1	☼	6010C	Total/NA

## Client Sample ID: CSW-12 DUP

Lab Sample ID: 480-84833-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	6110	B	8.0	0.18	mg/Kg	5	☼	6010C	Total/NA

## Client Sample ID: ERB-1

Lab Sample ID: 480-84833-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	9.0	J	10.0	1.9	ug/L	1		6010C	Total Recoverable

## Client Sample ID: CSW-13

Lab Sample ID: 480-84833-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1410	B	1.5	0.032	mg/Kg	1	☼	6010C	Total/NA

## Client Sample ID: CSW-14

Lab Sample ID: 480-84833-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	6530	B	14.2	0.31	mg/Kg	10	☼	6010C	Total/NA

## Client Sample ID: CSB-3

Lab Sample ID: 480-84833-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	14400	B	19.4	0.43	mg/Kg	10	☼	6010C	Total/NA

## Client Sample ID: CSW-15

Lab Sample ID: 480-84833-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1950		1.5	0.032	mg/Kg	1	☼	6010C	Total/NA

## Client Sample ID: CSW-16

Lab Sample ID: 480-84833-27

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This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo



## Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-84833-1

### Client Sample ID: CSW-16 (Continued)

Lab Sample ID: 480-84833-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	4610	B	7.1	0.16	mg/Kg	5	☼	6010C	Total/NA

### Client Sample ID: CSW-17

Lab Sample ID: 480-84833-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2870	B	6.8	0.15	mg/Kg	5	☼	6010C	Total/NA

### Client Sample ID: CSW-18

Lab Sample ID: 480-84833-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	9450		13.9	0.31	mg/Kg	10	☼	6010C	Total/NA

### Client Sample ID: CSB-4

Lab Sample ID: 480-84833-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	10000		12.0	0.26	mg/Kg	10	☼	6010C	Total/NA

### Client Sample ID: CSB-4 DUP

Lab Sample ID: 480-84833-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	11600		13.0	0.29	mg/Kg	10	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-84833-1

## Client Sample ID: CSW-1

Date Collected: 07/30/15 10:30

Date Received: 07/30/15 17:30

## Lab Sample ID: 480-84833-1

Matrix: Solid

Percent Solids: 80.2

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2830	B	5.5	0.12	mg/Kg	☼	08/04/15 10:39	08/05/15 10:05	5

## Client Sample ID: CSW-2

Date Collected: 07/30/15 10:30

Date Received: 07/30/15 17:30

## Lab Sample ID: 480-84833-2

Matrix: Solid

Percent Solids: 66.4

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	166	B	1.3	0.029	mg/Kg	☼	08/04/15 10:39	08/05/15 07:47	1

## Client Sample ID: CSW-3

Date Collected: 07/30/15 10:30

Date Received: 07/30/15 17:30

## Lab Sample ID: 480-84833-3

Matrix: Solid

Percent Solids: 74.9

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2140	B	6.4	0.14	mg/Kg	☼	08/04/15 10:39	08/05/15 10:09	5

## Client Sample ID: CSW-4

Date Collected: 07/30/15 10:30

Date Received: 07/30/15 17:30

## Lab Sample ID: 480-84833-4

Matrix: Solid

Percent Solids: 65.2

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1710	B	1.4	0.032	mg/Kg	☼	08/04/15 10:39	08/05/15 07:22	1

## Client Sample ID: CSW-5

Date Collected: 07/30/15 10:30

Date Received: 07/30/15 17:30

## Lab Sample ID: 480-84833-5

Matrix: Solid

Percent Solids: 64.1

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	611	B	1.1	0.025	mg/Kg	☼	08/04/15 10:39	08/05/15 08:03	1

## Client Sample ID: CSB-1

Date Collected: 07/30/15 10:30

Date Received: 07/30/15 17:30

## Lab Sample ID: 480-84833-6

Matrix: Solid

Percent Solids: 65.3

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	53.6	B	1.4	0.031	mg/Kg	☼	08/04/15 10:39	08/05/15 08:07	1

## Client Sample ID: CSW-6

Date Collected: 07/30/15 11:30

Date Received: 07/30/15 17:30

## Lab Sample ID: 480-84833-9

Matrix: Solid

Percent Solids: 66.3

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1610	B	1.1	0.024	mg/Kg	☼	08/04/15 10:39	08/05/15 08:11	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-84833-1

## Client Sample ID: CSW-7

Date Collected: 07/30/15 11:30

Date Received: 07/30/15 17:30

## Lab Sample ID: 480-84833-10

Matrix: Solid

Percent Solids: 60.5

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3220	B	8.2	0.18	mg/Kg	☼	08/04/15 10:39	08/05/15 10:13	5

## Client Sample ID: CSW-8

Date Collected: 07/30/15 11:30

Date Received: 07/30/15 17:30

## Lab Sample ID: 480-84833-11

Matrix: Solid

Percent Solids: 69.6

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	860	B	1.3	0.029	mg/Kg	☼	08/04/15 10:39	08/05/15 08:19	1

## Client Sample ID: CSW-9

Date Collected: 07/30/15 11:30

Date Received: 07/30/15 17:30

## Lab Sample ID: 480-84833-12

Matrix: Solid

Percent Solids: 79.9

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1960	B	5.3	0.12	mg/Kg	☼	08/04/15 10:39	08/05/15 10:17	5

## Client Sample ID: CSW-10

Date Collected: 07/30/15 11:30

Date Received: 07/30/15 17:30

## Lab Sample ID: 480-84833-13

Matrix: Solid

Percent Solids: 69.9

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2160	B	5.2	0.11	mg/Kg	☼	08/04/15 10:39	08/05/15 10:29	5

## Client Sample ID: CSB-2

Date Collected: 07/30/15 11:30

Date Received: 07/30/15 17:30

## Lab Sample ID: 480-84833-14

Matrix: Solid

Percent Solids: 45.6

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4090	B	7.7	0.17	mg/Kg	☼	08/04/15 10:39	08/05/15 10:33	5

## Client Sample ID: CSW-11

Date Collected: 07/30/15 14:30

Date Received: 07/30/15 17:30

## Lab Sample ID: 480-84833-17

Matrix: Solid

Percent Solids: 57.8

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2370	B	1.7	0.037	mg/Kg	☼	08/04/15 10:39	08/05/15 08:36	1

## Client Sample ID: CSW-12

Date Collected: 07/30/15 14:30

Date Received: 07/30/15 17:30

## Lab Sample ID: 480-84833-18

Matrix: Solid

Percent Solids: 52.4

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2360	B	1.8	0.040	mg/Kg	☼	08/04/15 10:39	08/05/15 08:40	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-84833-1

## Client Sample ID: CSW-12 DUP

Date Collected: 07/30/15 14:30

Date Received: 07/30/15 17:30

## Lab Sample ID: 480-84833-19

Matrix: Solid

Percent Solids: 54.1

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6110	B	8.0	0.18	mg/Kg	☼	08/04/15 10:39	08/05/15 10:37	5

## Client Sample ID: ERB-1

Date Collected: 07/30/15 14:30

Date Received: 07/30/15 17:30

## Lab Sample ID: 480-84833-20

Matrix: Water

### Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	9.0	J	10.0	1.9	ug/L	—	08/04/15 08:53	08/05/15 12:11	1

## Client Sample ID: CSW-13

Date Collected: 07/30/15 14:30

Date Received: 07/30/15 17:30

## Lab Sample ID: 480-84833-21

Matrix: Solid

Percent Solids: 66.9

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1410	B	1.5	0.032	mg/Kg	☼	08/04/15 10:39	08/05/15 08:56	1

## Client Sample ID: CSW-14

Date Collected: 07/30/15 14:30

Date Received: 07/30/15 17:30

## Lab Sample ID: 480-84833-22

Matrix: Solid

Percent Solids: 63.0

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6530	B	14.2	0.31	mg/Kg	☼	08/04/15 10:39	08/05/15 10:41	10

## Client Sample ID: CSB-3

Date Collected: 07/30/15 14:30

Date Received: 07/30/15 17:30

## Lab Sample ID: 480-84833-23

Matrix: Solid

Percent Solids: 40.0

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	14400	B	19.4	0.43	mg/Kg	☼	08/04/15 10:39	08/05/15 10:45	10

## Client Sample ID: CSW-15

Date Collected: 07/30/15 15:40

Date Received: 07/30/15 17:30

## Lab Sample ID: 480-84833-26

Matrix: Solid

Percent Solids: 63.0

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1950	—	1.5	0.032	mg/Kg	☼	08/04/15 11:13	08/05/15 09:25	1

## Client Sample ID: CSW-16

Date Collected: 07/30/15 15:40

Date Received: 07/30/15 17:30

## Lab Sample ID: 480-84833-27

Matrix: Solid

Percent Solids: 62.4

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4610	B	7.1	0.16	mg/Kg	☼	08/04/15 10:39	08/05/15 10:50	5

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-84833-1

## Client Sample ID: CSW-17

Date Collected: 07/30/15 15:40

Date Received: 07/30/15 17:30

## Lab Sample ID: 480-84833-28

Matrix: Solid

Percent Solids: 68.7

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2870	B	6.8	0.15	mg/Kg	☼	08/04/15 10:39	08/05/15 10:54	5

## Client Sample ID: CSW-18

Date Collected: 07/30/15 15:40

Date Received: 07/30/15 17:30

## Lab Sample ID: 480-84833-29

Matrix: Solid

Percent Solids: 59.5

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	9450		13.9	0.31	mg/Kg	☼	08/04/15 11:13	08/05/15 10:58	10

## Client Sample ID: CSB-4

Date Collected: 07/30/15 15:40

Date Received: 07/30/15 17:30

## Lab Sample ID: 480-84833-30

Matrix: Solid

Percent Solids: 72.8

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	10000		12.0	0.26	mg/Kg	☼	08/04/15 11:13	08/05/15 11:18	10

## Client Sample ID: CSB-4 DUP

Date Collected: 07/30/15 15:40

Date Received: 07/30/15 17:30

## Lab Sample ID: 480-84833-31

Matrix: Solid

Percent Solids: 73.8

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	11600		13.0	0.29	mg/Kg	☼	08/04/15 11:13	08/05/15 11:06	10

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-84833-1

## Method: 6010C - Metals (ICP)

Lab Sample ID: MB 240-191804/1-A

Matrix: Solid

Analysis Batch: 191928

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 191804

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.0258	J	1.0	0.022	mg/Kg		08/04/15 10:39	08/05/15 07:13	1

Lab Sample ID: LCS 240-191804/2-A

Matrix: Solid

Analysis Batch: 191928

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 191804

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	50.0	46.86		mg/Kg		94	80 - 120

Lab Sample ID: 480-84833-4 MS

Matrix: Solid

Analysis Batch: 191928

Client Sample ID: CSW-4

Prep Type: Total/NA

Prep Batch: 191804

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	1710	B	70.3	1739	4	mg/Kg	✱	38	75 - 125

Lab Sample ID: 480-84833-4 MSD

Matrix: Solid

Analysis Batch: 191928

Client Sample ID: CSW-4

Prep Type: Total/NA

Prep Batch: 191804

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	1710	B	70.3	1662	4	mg/Kg	✱	-72	75 - 125	5	20

Lab Sample ID: MB 240-191809/1-A

Matrix: Solid

Analysis Batch: 191928

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 191809

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.0	0.022	mg/Kg		08/04/15 11:13	08/05/15 09:17	1

Lab Sample ID: LCS 240-191809/2-A

Matrix: Solid

Analysis Batch: 191928

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 191809

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	50.0	47.15		mg/Kg		94	80 - 120

Lab Sample ID: 480-84833-26 MS

Matrix: Solid

Analysis Batch: 191928

Client Sample ID: CSW-15

Prep Type: Total/NA

Prep Batch: 191809

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	1950		68.4	1154	4	mg/Kg	✱	-1157	75 - 125

Lab Sample ID: 480-84833-26 MSD

Matrix: Solid

Analysis Batch: 191928

Client Sample ID: CSW-15

Prep Type: Total/NA

Prep Batch: 191809

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	1950		68.4	1181	4	mg/Kg	✱	-1117	75 - 125	2	20

TestAmerica Buffalo

## QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-84833-1

Lab Sample ID: MB 240-191781/1-A  
Matrix: Water  
Analysis Batch: 191928

Client Sample ID: Method Blank  
Prep Type: Total Recoverable  
Prep Batch: 191781

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		10.0	1.9	ug/L		08/04/15 08:53	08/05/15 11:55	1

Lab Sample ID: LCS 240-191781/2-A  
Matrix: Water  
Analysis Batch: 191928

Client Sample ID: Lab Control Sample  
Prep Type: Total Recoverable  
Prep Batch: 191781

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	500	496.1		ug/L		99	80 - 120

# QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-84833-1

## Metals

### Prep Batch: 191781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-84833-20	ERB-1	Total Recoverable	Water	3005A	
LCS 240-191781/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 240-191781/1-A	Method Blank	Total Recoverable	Water	3005A	

### Prep Batch: 191804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-84833-1	CSW-1	Total/NA	Solid	3050B	
480-84833-2	CSW-2	Total/NA	Solid	3050B	
480-84833-3	CSW-3	Total/NA	Solid	3050B	
480-84833-4	CSW-4	Total/NA	Solid	3050B	
480-84833-4 MS	CSW-4	Total/NA	Solid	3050B	
480-84833-4 MSD	CSW-4	Total/NA	Solid	3050B	
480-84833-5	CSW-5	Total/NA	Solid	3050B	
480-84833-6	CSB-1	Total/NA	Solid	3050B	
480-84833-9	CSW-6	Total/NA	Solid	3050B	
480-84833-10	CSW-7	Total/NA	Solid	3050B	
480-84833-11	CSW-8	Total/NA	Solid	3050B	
480-84833-12	CSW-9	Total/NA	Solid	3050B	
480-84833-13	CSW-10	Total/NA	Solid	3050B	
480-84833-14	CSB-2	Total/NA	Solid	3050B	
480-84833-17	CSW-11	Total/NA	Solid	3050B	
480-84833-18	CSW-12	Total/NA	Solid	3050B	
480-84833-19	CSW-12 DUP	Total/NA	Solid	3050B	
480-84833-21	CSW-13	Total/NA	Solid	3050B	
480-84833-22	CSW-14	Total/NA	Solid	3050B	
480-84833-23	CSB-3	Total/NA	Solid	3050B	
480-84833-27	CSW-16	Total/NA	Solid	3050B	
480-84833-28	CSW-17	Total/NA	Solid	3050B	
LCS 240-191804/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-191804/1-A	Method Blank	Total/NA	Solid	3050B	

### Prep Batch: 191809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-84833-26	CSW-15	Total/NA	Solid	3050B	
480-84833-26 MS	CSW-15	Total/NA	Solid	3050B	
480-84833-26 MSD	CSW-15	Total/NA	Solid	3050B	
480-84833-29	CSW-18	Total/NA	Solid	3050B	
480-84833-30	CSB-4	Total/NA	Solid	3050B	
480-84833-31	CSB-4 DUP	Total/NA	Solid	3050B	
LCS 240-191809/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-191809/1-A	Method Blank	Total/NA	Solid	3050B	

### Analysis Batch: 191928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-84833-1	CSW-1	Total/NA	Solid	6010C	191804
480-84833-2	CSW-2	Total/NA	Solid	6010C	191804
480-84833-3	CSW-3	Total/NA	Solid	6010C	191804
480-84833-4	CSW-4	Total/NA	Solid	6010C	191804
480-84833-4 MS	CSW-4	Total/NA	Solid	6010C	191804
480-84833-4 MSD	CSW-4	Total/NA	Solid	6010C	191804
480-84833-5	CSW-5	Total/NA	Solid	6010C	191804

TestAmerica Buffalo



# QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-84833-1

## Metals (Continued)

### Analysis Batch: 191928 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-84833-6	CSB-1	Total/NA	Solid	6010C	191804
480-84833-9	CSW-6	Total/NA	Solid	6010C	191804
480-84833-10	CSW-7	Total/NA	Solid	6010C	191804
480-84833-11	CSW-8	Total/NA	Solid	6010C	191804
480-84833-12	CSW-9	Total/NA	Solid	6010C	191804
480-84833-13	CSW-10	Total/NA	Solid	6010C	191804
480-84833-14	CSB-2	Total/NA	Solid	6010C	191804
480-84833-17	CSW-11	Total/NA	Solid	6010C	191804
480-84833-18	CSW-12	Total/NA	Solid	6010C	191804
480-84833-19	CSW-12 DUP	Total/NA	Solid	6010C	191804
480-84833-20	ERB-1	Total Recoverable	Water	6010C	191781
480-84833-21	CSW-13	Total/NA	Solid	6010C	191804
480-84833-22	CSW-14	Total/NA	Solid	6010C	191804
480-84833-23	CSB-3	Total/NA	Solid	6010C	191804
480-84833-26	CSW-15	Total/NA	Solid	6010C	191809
480-84833-26 MS	CSW-15	Total/NA	Solid	6010C	191809
480-84833-26 MSD	CSW-15	Total/NA	Solid	6010C	191809
480-84833-27	CSW-16	Total/NA	Solid	6010C	191804
480-84833-28	CSW-17	Total/NA	Solid	6010C	191804
480-84833-29	CSW-18	Total/NA	Solid	6010C	191809
480-84833-30	CSB-4	Total/NA	Solid	6010C	191809
480-84833-31	CSB-4 DUP	Total/NA	Solid	6010C	191809
LCS 240-191781/2-A	Lab Control Sample	Total Recoverable	Water	6010C	191781
LCS 240-191804/2-A	Lab Control Sample	Total/NA	Solid	6010C	191804
LCS 240-191809/2-A	Lab Control Sample	Total/NA	Solid	6010C	191809
MB 240-191781/1-A	Method Blank	Total Recoverable	Water	6010C	191781
MB 240-191804/1-A	Method Blank	Total/NA	Solid	6010C	191804
MB 240-191809/1-A	Method Blank	Total/NA	Solid	6010C	191809

## General Chemistry

### Analysis Batch: 191773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-84833-1	CSW-1	Total/NA	Solid	Moisture	
480-84833-2	CSW-2	Total/NA	Solid	Moisture	
480-84833-3	CSW-3	Total/NA	Solid	Moisture	
480-84833-4	CSW-4	Total/NA	Solid	Moisture	
480-84833-4 DU	CSW-4	Total/NA	Solid	Moisture	
480-84833-5	CSW-5	Total/NA	Solid	Moisture	
480-84833-6	CSB-1	Total/NA	Solid	Moisture	
480-84833-9	CSW-6	Total/NA	Solid	Moisture	
480-84833-10	CSW-7	Total/NA	Solid	Moisture	
480-84833-11	CSW-8	Total/NA	Solid	Moisture	
480-84833-12	CSW-9	Total/NA	Solid	Moisture	
480-84833-13	CSW-10	Total/NA	Solid	Moisture	
480-84833-14	CSB-2	Total/NA	Solid	Moisture	
480-84833-17	CSW-11	Total/NA	Solid	Moisture	
480-84833-18	CSW-12	Total/NA	Solid	Moisture	
480-84833-19	CSW-12 DUP	Total/NA	Solid	Moisture	
480-84833-21	CSW-13	Total/NA	Solid	Moisture	

TestAmerica Buffalo

## QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-84833-1

### General Chemistry (Continued)

#### Analysis Batch: 191773 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-84833-22	CSW-14	Total/NA	Solid	Moisture	
480-84833-23	CSB-3	Total/NA	Solid	Moisture	
480-84833-26	CSW-15	Total/NA	Solid	Moisture	
480-84833-26 DU	CSW-15	Total/NA	Solid	Moisture	
480-84833-27	CSW-16	Total/NA	Solid	Moisture	
480-84833-28	CSW-17	Total/NA	Solid	Moisture	
480-84833-29	CSW-18	Total/NA	Solid	Moisture	
480-84833-30	CSB-4	Total/NA	Solid	Moisture	
480-84833-31	CSB-4 DUP	Total/NA	Solid	Moisture	

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-84833-1

**Client Sample ID: CSW-1**

**Date Collected: 07/30/15 10:30**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-1**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	191773	08/04/15 08:46	DTN	TAL CAN

**Client Sample ID: CSW-1**

**Date Collected: 07/30/15 10:30**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-1**

**Matrix: Solid**

**Percent Solids: 80.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			191804	08/04/15 10:39	DEE	TAL CAN
Total/NA	Analysis	6010C		5	191928	08/05/15 10:05	KLC	TAL CAN

**Client Sample ID: CSW-2**

**Date Collected: 07/30/15 10:30**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-2**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	191773	08/04/15 08:46	DTN	TAL CAN

**Client Sample ID: CSW-2**

**Date Collected: 07/30/15 10:30**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-2**

**Matrix: Solid**

**Percent Solids: 66.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			191804	08/04/15 10:39	DEE	TAL CAN
Total/NA	Analysis	6010C		1	191928	08/05/15 07:47	KLC	TAL CAN

**Client Sample ID: CSW-3**

**Date Collected: 07/30/15 10:30**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-3**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	191773	08/04/15 08:46	DTN	TAL CAN

**Client Sample ID: CSW-3**

**Date Collected: 07/30/15 10:30**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-3**

**Matrix: Solid**

**Percent Solids: 74.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			191804	08/04/15 10:39	DEE	TAL CAN
Total/NA	Analysis	6010C		5	191928	08/05/15 10:09	KLC	TAL CAN

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-84833-1

**Client Sample ID: CSW-4**

**Date Collected: 07/30/15 10:30**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-4**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	191773	08/04/15 08:46	DTN	TAL CAN

**Client Sample ID: CSW-4**

**Date Collected: 07/30/15 10:30**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-4**

**Matrix: Solid**

**Percent Solids: 65.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			191804	08/04/15 10:39	DEE	TAL CAN
Total/NA	Analysis	6010C		1	191928	08/05/15 07:22	KLC	TAL CAN

**Client Sample ID: CSW-5**

**Date Collected: 07/30/15 10:30**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-5**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	191773	08/04/15 08:46	DTN	TAL CAN

**Client Sample ID: CSW-5**

**Date Collected: 07/30/15 10:30**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-5**

**Matrix: Solid**

**Percent Solids: 64.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			191804	08/04/15 10:39	DEE	TAL CAN
Total/NA	Analysis	6010C		1	191928	08/05/15 08:03	KLC	TAL CAN

**Client Sample ID: CSB-1**

**Date Collected: 07/30/15 10:30**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-6**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	191773	08/04/15 08:46	DTN	TAL CAN

**Client Sample ID: CSB-1**

**Date Collected: 07/30/15 10:30**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-6**

**Matrix: Solid**

**Percent Solids: 65.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			191804	08/04/15 10:39	DEE	TAL CAN
Total/NA	Analysis	6010C		1	191928	08/05/15 08:07	KLC	TAL CAN

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-84833-1

**Client Sample ID: CSW-6**

**Date Collected: 07/30/15 11:30**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-9**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	191773	08/04/15 08:46	DTN	TAL CAN

**Client Sample ID: CSW-6**

**Date Collected: 07/30/15 11:30**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-9**

**Matrix: Solid**

**Percent Solids: 66.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			191804	08/04/15 10:39	DEE	TAL CAN
Total/NA	Analysis	6010C		1	191928	08/05/15 08:11	KLC	TAL CAN

**Client Sample ID: CSW-7**

**Date Collected: 07/30/15 11:30**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-10**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	191773	08/04/15 08:46	DTN	TAL CAN

**Client Sample ID: CSW-7**

**Date Collected: 07/30/15 11:30**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-10**

**Matrix: Solid**

**Percent Solids: 60.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			191804	08/04/15 10:39	DEE	TAL CAN
Total/NA	Analysis	6010C		5	191928	08/05/15 10:13	KLC	TAL CAN

**Client Sample ID: CSW-8**

**Date Collected: 07/30/15 11:30**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-11**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	191773	08/04/15 08:46	DTN	TAL CAN

**Client Sample ID: CSW-8**

**Date Collected: 07/30/15 11:30**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-11**

**Matrix: Solid**

**Percent Solids: 69.6**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			191804	08/04/15 10:39	DEE	TAL CAN
Total/NA	Analysis	6010C		1	191928	08/05/15 08:19	KLC	TAL CAN

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-84833-1

**Client Sample ID: CSW-9**

**Date Collected: 07/30/15 11:30**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-12**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	191773	08/04/15 08:46	DTN	TAL CAN

**Client Sample ID: CSW-9**

**Date Collected: 07/30/15 11:30**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-12**

**Matrix: Solid**

**Percent Solids: 79.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			191804	08/04/15 10:39	DEE	TAL CAN
Total/NA	Analysis	6010C		5	191928	08/05/15 10:17	KLC	TAL CAN

**Client Sample ID: CSW-10**

**Date Collected: 07/30/15 11:30**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-13**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	191773	08/04/15 08:46	DTN	TAL CAN

**Client Sample ID: CSW-10**

**Date Collected: 07/30/15 11:30**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-13**

**Matrix: Solid**

**Percent Solids: 69.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			191804	08/04/15 10:39	DEE	TAL CAN
Total/NA	Analysis	6010C		5	191928	08/05/15 10:29	KLC	TAL CAN

**Client Sample ID: CSB-2**

**Date Collected: 07/30/15 11:30**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-14**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	191773	08/04/15 08:46	DTN	TAL CAN

**Client Sample ID: CSB-2**

**Date Collected: 07/30/15 11:30**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-14**

**Matrix: Solid**

**Percent Solids: 45.6**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			191804	08/04/15 10:39	DEE	TAL CAN
Total/NA	Analysis	6010C		5	191928	08/05/15 10:33	KLC	TAL CAN

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-84833-1

**Client Sample ID: CSW-11**

**Date Collected: 07/30/15 14:30**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-17**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	191773	08/04/15 08:46	DTN	TAL CAN

**Client Sample ID: CSW-11**

**Date Collected: 07/30/15 14:30**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-17**

**Matrix: Solid**

**Percent Solids: 57.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			191804	08/04/15 10:39	DEE	TAL CAN
Total/NA	Analysis	6010C		1	191928	08/05/15 08:36	KLC	TAL CAN

**Client Sample ID: CSW-12**

**Date Collected: 07/30/15 14:30**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-18**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	191773	08/04/15 08:46	DTN	TAL CAN

**Client Sample ID: CSW-12**

**Date Collected: 07/30/15 14:30**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-18**

**Matrix: Solid**

**Percent Solids: 52.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			191804	08/04/15 10:39	DEE	TAL CAN
Total/NA	Analysis	6010C		1	191928	08/05/15 08:40	KLC	TAL CAN

**Client Sample ID: CSW-12 DUP**

**Date Collected: 07/30/15 14:30**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-19**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	191773	08/04/15 08:46	DTN	TAL CAN

**Client Sample ID: CSW-12 DUP**

**Date Collected: 07/30/15 14:30**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-19**

**Matrix: Solid**

**Percent Solids: 54.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			191804	08/04/15 10:39	DEE	TAL CAN
Total/NA	Analysis	6010C		5	191928	08/05/15 10:37	KLC	TAL CAN

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-84833-1

**Client Sample ID: ERB-1**

**Date Collected: 07/30/15 14:30**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-20**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			191781	08/04/15 08:53	WAL	TAL CAN
Total Recoverable	Analysis	6010C		1	191928	08/05/15 12:11	KLC	TAL CAN

**Client Sample ID: CSW-13**

**Date Collected: 07/30/15 14:30**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-21**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	191773	08/04/15 08:46	DTN	TAL CAN

**Client Sample ID: CSW-13**

**Date Collected: 07/30/15 14:30**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-21**

**Matrix: Solid**

**Percent Solids: 66.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			191804	08/04/15 10:39	DEE	TAL CAN
Total/NA	Analysis	6010C		1	191928	08/05/15 08:56	KLC	TAL CAN

**Client Sample ID: CSW-14**

**Date Collected: 07/30/15 14:30**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-22**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	191773	08/04/15 08:54	DTN	TAL CAN

**Client Sample ID: CSW-14**

**Date Collected: 07/30/15 14:30**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-22**

**Matrix: Solid**

**Percent Solids: 63.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			191804	08/04/15 10:39	DEE	TAL CAN
Total/NA	Analysis	6010C		10	191928	08/05/15 10:41	KLC	TAL CAN

**Client Sample ID: CSB-3**

**Date Collected: 07/30/15 14:30**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-23**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	191773	08/04/15 08:54	DTN	TAL CAN

TestAmerica Buffalo



# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-84833-1

**Client Sample ID: CSB-3**

**Date Collected: 07/30/15 14:30**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-23**

**Matrix: Solid**

**Percent Solids: 40.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			191804	08/04/15 10:39	DEE	TAL CAN
Total/NA	Analysis	6010C		10	191928	08/05/15 10:45	KLC	TAL CAN

**Client Sample ID: CSW-15**

**Date Collected: 07/30/15 15:40**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-26**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	191773	08/04/15 08:54	DTN	TAL CAN

**Client Sample ID: CSW-15**

**Date Collected: 07/30/15 15:40**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-26**

**Matrix: Solid**

**Percent Solids: 63.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			191809	08/04/15 11:13	DEE	TAL CAN
Total/NA	Analysis	6010C		1	191928	08/05/15 09:25	KLC	TAL CAN

**Client Sample ID: CSW-16**

**Date Collected: 07/30/15 15:40**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-27**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	191773	08/04/15 08:54	DTN	TAL CAN

**Client Sample ID: CSW-16**

**Date Collected: 07/30/15 15:40**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-27**

**Matrix: Solid**

**Percent Solids: 62.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			191804	08/04/15 10:39	DEE	TAL CAN
Total/NA	Analysis	6010C		5	191928	08/05/15 10:50	KLC	TAL CAN

**Client Sample ID: CSW-17**

**Date Collected: 07/30/15 15:40**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-28**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	191773	08/04/15 08:54	DTN	TAL CAN

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-84833-1

**Client Sample ID: CSW-17**

**Date Collected: 07/30/15 15:40**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-28**

**Matrix: Solid**

**Percent Solids: 68.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			191804	08/04/15 10:39	DEE	TAL CAN
Total/NA	Analysis	6010C		5	191928	08/05/15 10:54	KLC	TAL CAN

**Client Sample ID: CSW-18**

**Date Collected: 07/30/15 15:40**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-29**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	191773	08/04/15 08:54	DTN	TAL CAN

**Client Sample ID: CSW-18**

**Date Collected: 07/30/15 15:40**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-29**

**Matrix: Solid**

**Percent Solids: 59.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			191809	08/04/15 11:13	DEE	TAL CAN
Total/NA	Analysis	6010C		10	191928	08/05/15 10:58	KLC	TAL CAN

**Client Sample ID: CSB-4**

**Date Collected: 07/30/15 15:40**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-30**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	191773	08/04/15 08:54	DTN	TAL CAN

**Client Sample ID: CSB-4**

**Date Collected: 07/30/15 15:40**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-30**

**Matrix: Solid**

**Percent Solids: 72.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			191809	08/04/15 11:13	DEE	TAL CAN
Total/NA	Analysis	6010C		10	191928	08/05/15 11:18	KLC	TAL CAN

**Client Sample ID: CSB-4 DUP**

**Date Collected: 07/30/15 15:40**

**Date Received: 07/30/15 17:30**

**Lab Sample ID: 480-84833-31**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	191773	08/04/15 08:54	DTN	TAL CAN

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-84833-1

**Client Sample ID: CSB-4 DUP**

**Lab Sample ID: 480-84833-31**

**Date Collected: 07/30/15 15:40**

**Matrix: Solid**

**Date Received: 07/30/15 17:30**

**Percent Solids: 73.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			191809	08/04/15 11:13	DEE	TAL CAN
Total/NA	Analysis	6010C		10	191928	08/05/15 11:06	KLC	TAL CAN

## Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

# Certification Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-84833-1

## Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16

## Laboratory: TestAmerica Canton

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	10975	03-31-16 *

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

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

\* Certification renewal pending - certification considered valid.

TestAmerica Buffalo

## Method Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-84833-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL CAN
Moisture	Percent Moisture	EPA	TAL CAN

### 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 CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

# Sample Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-84833-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-84833-1	CSW-1	Solid	07/30/15 10:30	07/30/15 17:30
480-84833-2	CSW-2	Solid	07/30/15 10:30	07/30/15 17:30
480-84833-3	CSW-3	Solid	07/30/15 10:30	07/30/15 17:30
480-84833-4	CSW-4	Solid	07/30/15 10:30	07/30/15 17:30
480-84833-5	CSW-5	Solid	07/30/15 10:30	07/30/15 17:30
480-84833-6	CSB-1	Solid	07/30/15 10:30	07/30/15 17:30
480-84833-9	CSW-6	Solid	07/30/15 11:30	07/30/15 17:30
480-84833-10	CSW-7	Solid	07/30/15 11:30	07/30/15 17:30
480-84833-11	CSW-8	Solid	07/30/15 11:30	07/30/15 17:30
480-84833-12	CSW-9	Solid	07/30/15 11:30	07/30/15 17:30
480-84833-13	CSW-10	Solid	07/30/15 11:30	07/30/15 17:30
480-84833-14	CSB-2	Solid	07/30/15 11:30	07/30/15 17:30
480-84833-17	CSW-11	Solid	07/30/15 14:30	07/30/15 17:30
480-84833-18	CSW-12	Solid	07/30/15 14:30	07/30/15 17:30
480-84833-19	CSW-12 DUP	Solid	07/30/15 14:30	07/30/15 17:30
480-84833-20	ERB-1	Water	07/30/15 14:30	07/30/15 17:30
480-84833-21	CSW-13	Solid	07/30/15 14:30	07/30/15 17:30
480-84833-22	CSW-14	Solid	07/30/15 14:30	07/30/15 17:30
480-84833-23	CSB-3	Solid	07/30/15 14:30	07/30/15 17:30
480-84833-26	CSW-15	Solid	07/30/15 15:40	07/30/15 17:30
480-84833-27	CSW-16	Solid	07/30/15 15:40	07/30/15 17:30
480-84833-28	CSW-17	Solid	07/30/15 15:40	07/30/15 17:30
480-84833-29	CSW-18	Solid	07/30/15 15:40	07/30/15 17:30
480-84833-30	CSB-4	Solid	07/30/15 15:40	07/30/15 17:30
480-84833-31	CSB-4 DUP	Solid	07/30/15 15:40	07/30/15 17:30

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt \_\_\_\_\_

Drinking Water? Yes ☐ No ☐

## Chain of Custody Record

TAL-4124 (1007)

Client <b>IVER ENVIRONMENTAL GROUP</b>	Project Manager <b>Dharma Iyer</b>	Date <b>7/30/15</b>	Chain of Custody Number <b>264450</b>
Address <b>44 Rolling Hills Dr</b>	Telephone Number (Area Code)/Fax Number <b>516/662 457</b>	Lab Number	Page <b>1</b> of <b>3</b>
City <b>Orchard Park</b>	State <b>NY</b>	Zip Code <b>14127</b>	
Project Name and Location (State) <b>132 Dingers St.</b>	Site Contact <b>R. Allen</b>	Lab Contact <b>M. Deyo</b>	
Contract/Purchase Order/Quote No.	Carrier/Waybill Number		

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives					Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt	
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH			
CSW-1	7/30/15	10:30a													
CSW-2															
CSW-3															
CSW-4															
CSW-5															
CSW-1															+ MS/MSD
LFS-1															
LFS-2															
CSW-6		11:30a													
CSW-7															
CSW-8															
CSW-9															



480-84833 Chain of Custody

Possible Hazard Identification  
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Return To Client ☐ Disposal By Lab ☐ Archive For \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

QC Requirements (Specify)

Turn Around Time Required <input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input checked="" type="checkbox"/> 7 Days <input type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input type="checkbox"/> Other _____	1. Relinquished By <b>SDS</b>	Date <b>7/30/15</b>	Time <b>5:30p</b>
2. Relinquished By		Date	Time
3. Relinquished By		Date	Time

1. Received By **MDJ** Date **7/30/15** Time **1730**  
 2. Received By \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_  
 3. Received By \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Comments

Temp 18.6 No Fee #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Slays with the Sample; PINK - Field Copy

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt \_\_\_\_\_

Drinking Water? Yes ☐ No ☐

## Chain of Custody Record

TAL-4124 (1007)

Client		Project Manager		Date	Chain of Custody Number
Iyer Environmental Group		Shanmugan		7/30/15	264404
Address		Telephone Number (Area Code)/Fax Number		Lab Number	Page
44 Rolling Hills Dr.					2 of 3
City	State	Zip Code	Site Contact	Lab Contact	
Orchard Park	NY	14127			
Project Name and Location (State)			Carrier/Waybill Number		
P32 Dingens St					
Contract/Purchase Order/Quote No.					

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives					Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt	
			Air	Aqueous	Sed	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH			ZnAc/NaOH
CSW-10	7/30/15	11:30												
CSB-2														
LFS-3														
LFS-4														
CSW-11	7/30/15	2:30p												
CSW-12														
ERB-1														
CSW-13														
CSW-14														
CSB-3														
LFS-5														
LFS-6														

Sample Disposal

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

☐ Disposal By Lab ☐ Archive For \_\_\_\_\_ Months

(A fee may be assessed if samples are retained longer than 1 month)

QC Requirements (Specify)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other \_\_\_\_\_

1. Relinquished By \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

2. Relinquished By \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

3. Relinquished By \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Comments



# Chain of Custody Custody Record

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt \_\_\_\_\_

Drinking Water? Yes ☐ No ☒

TAL-4124 (1007)		Project Manager <b>Dharma Iyer</b>		Date <b>7/30, 2015</b>		Chain of Custody Number <b>239970</b>	
Client <b>Iyer Environmental Group</b>		Telephone Number (Area Code)/Fax Number <b>(716) 662-4157 / (716) 662-2118</b>		Lab Number		Page <b>3</b> of <b>3</b>	
Address <b>44 Rolling Hills Dr</b>		Site Contact <b>R. Allen</b>		Lab Contact <b>M. Deyo</b>		Analysis (Attach list if more space is needed)	
City <b>Orchard Park</b>		State <b>NY</b>		Zip Code <b>14127</b>		Special Instructions/ Conditions of Receipt	
Project Name and Location (State) <b>132 Dingens St</b>		Carrier/Waybill Number					
Contract/Purchase Order/Quote No.							

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix			Containers & Preservatives					Total Lead	TCLP Lead	Special Instructions/ Conditions of Receipt	
			Air	Aqueous	Sed.	Soil	Urpres.	H2SO4	HNO3	HCl				NaOH
CSW-15	7/30/15	3:40p												Inc MS/MSD
CSW-16														
CSW-17														
CSW-18														
CSB-4														Inc. Dup
LFS-7														
LFS-8														

Possible Hazard Identification		Sample Disposal		Disposal By Lab		Archive For		(A fee may be assessed if samples are retained longer than 1 month)	
<input checked="" type="checkbox"/> Non-Hazard	<input type="checkbox"/> Flammable	<input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Poison B	<input type="checkbox"/> Unknown	<input checked="" type="checkbox"/> Return To Client	<input type="checkbox"/> Disposal By Lab	<input type="checkbox"/> Archive For	Months	
Turn Around Time Required		QC Requirements (Specify)							
<input type="checkbox"/> 24 Hours	<input type="checkbox"/> 48 Hours	<input type="checkbox"/> 7 Days	<input type="checkbox"/> 14 Days	<input type="checkbox"/> 21 Days	<input type="checkbox"/> Other				
1. Relinquished By <b>Richard C Allen Jr</b>		Date <b>7/30/15</b>	Time <b>5:30</b>	1. Received By <b>[Signature]</b>		Date <b>7/30/15</b>	Time <b>1730</b>		
2. Relinquished By		Date	Time	2. Received By		Date	Time		
3. Relinquished By		Date	Time	3. Received By		Date	Time		
Comments									

## Login Sample Receipt Checklist

Client: Iyer Environmental Group, LLC

Job Number: 480-84833-1

**Login Number: 84833**

**List Source: TestAmerica Buffalo**

**List Number: 1**

**Creator: Kolb, Chris M**

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.	False	
Cooler Temperature is acceptable.	True	Yes: Received same day of collection
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	True	
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	iyer env.
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-86066-1

Client Project/Site: 132 Dingens

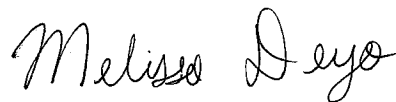
For:

Iyer Environmental Group, LLC

44 Rolling Hills Drive

Orchard Park, New York 14127

Attn: Dr. Dharmarajan R Iyer



Authorized for release by:

8/27/2015 11:51:42 AM

Melissa Deyo, Project Manager I

(716)504-9874

[melissa.deyo@testamericainc.com](mailto:melissa.deyo@testamericainc.com)

### LINKS

Review your project  
results through

TotalAccess

Have a Question?



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[www.testamericainc.com](http://www.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.



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## Definitions/Glossary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-86066-1

### Qualifiers

#### Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

### 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
CFL	Contains Free Liquid
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)

## Case Narrative

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86066-1

**Job ID: 480-86066-1**

**Laboratory: TestAmerica Buffalo**

### Narrative

#### Job Narrative 480-86066-1

#### Receipt

The samples were received on 8/21/2015 4:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 18.7° C.

#### Receipt Exceptions

No times sample of collection were provided. A time of 00:00 was used for sample login purposes.

The following samples were received unpreserved and were preserved upon receipt to the laboratory: ERB-2 (480-86066-16). Regulatory documents require a 24-hour waiting period from the time of the addition of the acid preservative to the time of digestion. Preserved on 08/21/15 @ 1950 usin HNO3 acid, lot number 106819.

#### Metals

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

# Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86066-1

## Client Sample ID: CSW-23

## Lab Sample ID: 480-86066-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	312		3.0	0.60	mg/Kg	1	☼	6010C	Total/NA
Hg	9.8		0.28	0.12	mg/Kg	10	☼	7471B	Total/NA

## Client Sample ID: CSW-24

## Lab Sample ID: 480-86066-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	69.3		2.8	0.56	mg/Kg	1	☼	6010C	Total/NA
Hg	0.96		0.027	0.011	mg/Kg	1	☼	7471B	Total/NA

## Client Sample ID: CSW-25

## Lab Sample ID: 480-86066-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	28.6		2.4	0.49	mg/Kg	1	☼	6010C	Total/NA
Hg	1.8		0.12	0.048	mg/Kg	5	☼	7471B	Total/NA

## Client Sample ID: CSW-26

## Lab Sample ID: 480-86066-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	52.1	F1	2.8	0.55	mg/Kg	1	☼	6010C	Total/NA
Hg	3.8		0.13	0.052	mg/Kg	5	☼	7471B	Total/NA

## Client Sample ID: CSW-27

## Lab Sample ID: 480-86066-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	32.5		2.4	0.48	mg/Kg	1	☼	6010C	Total/NA
Hg	1.6		0.13	0.051	mg/Kg	5	☼	7471B	Total/NA

## Client Sample ID: CSW-28

## Lab Sample ID: 480-86066-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	40.7		2.7	0.55	mg/Kg	1	☼	6010C	Total/NA
Hg	1.9		0.13	0.051	mg/Kg	5	☼	7471B	Total/NA

## Client Sample ID: CSW-29

## Lab Sample ID: 480-86066-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Hg	0.54		0.026	0.011	mg/Kg	1	☼	7471B	Total/NA

## Client Sample ID: CSW-30

## Lab Sample ID: 480-86066-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Hg	0.67		0.026	0.011	mg/Kg	1	☼	7471B	Total/NA

## Client Sample ID: CSW-31

## Lab Sample ID: 480-86066-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Hg	1.6		0.14	0.057	mg/Kg	5	☼	7471B	Total/NA

## Client Sample ID: CSB-5

## Lab Sample ID: 480-86066-10

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

# Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-86066-1

## Client Sample ID: CSB-5 (Continued)

## Lab Sample ID: 480-86066-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	156		3.3	0.66	mg/Kg	1		☼	6010C	Total/NA
Hg	5.4		0.16	0.063	mg/Kg	5		☼	7471B	Total/NA

## Client Sample ID: CSB-6

## Lab Sample ID: 480-86066-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	27.3		3.1	0.63	mg/Kg	1		☼	6010C	Total/NA
Hg	6.3		0.31	0.12	mg/Kg	10		☼	7471B	Total/NA

## Client Sample ID: CSB-7

## Lab Sample ID: 480-86066-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Hg	2.2		0.15	0.063	mg/Kg	5		☼	7471B	Total/NA

## Client Sample ID: CSW-18-2

## Lab Sample ID: 480-86066-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Lead	7370		1.3	0.31	mg/Kg	1		☼	6010C	Total/NA

## Client Sample ID: CSW-14-2

## Lab Sample ID: 480-86066-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Lead	2520		1.6	0.37	mg/Kg	1		☼	6010C	Total/NA

## Client Sample ID: CSB-4-2

## Lab Sample ID: 480-86066-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Lead	93.4		1.3	0.31	mg/Kg	1		☼	6010C	Total/NA

## Client Sample ID: ERB-2

## Lab Sample ID: 480-86066-16

No Detections.

## Client Sample ID: CSW-19

## Lab Sample ID: 480-86066-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	47.8		2.5	0.51	mg/Kg	1		☼	6010C	Total/NA
Hg	0.51		0.026	0.011	mg/Kg	1		☼	7471B	Total/NA

## Client Sample ID: CSW-20

## Lab Sample ID: 480-86066-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	113		2.8	0.55	mg/Kg	1		☼	6010C	Total/NA
Hg	1.6		0.14	0.055	mg/Kg	5		☼	7471B	Total/NA

## Client Sample ID: CSW-21

## Lab Sample ID: 480-86066-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	79.3		2.8	0.57	mg/Kg	1		☼	6010C	Total/NA
Hg	3.7		0.14	0.057	mg/Kg	5		☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo



## Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86066-1

**Client Sample ID: CSW-22**

**Lab Sample ID: 480-86066-20**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	45.4		2.5	0.49	mg/Kg	1	☼	6010C	Total/NA
Hg	2.9		0.12	0.049	mg/Kg	5	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-86066-1

## Client Sample ID: CSW-23

Date Collected: 08/21/15 00:00

Date Received: 08/21/15 16:50

## Lab Sample ID: 480-86066-1

Matrix: Solid

Percent Solids: 70.4

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	312		3.0	0.60	mg/Kg	☼	08/24/15 10:02	08/25/15 02:38	1

### Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	9.8		0.28	0.12	mg/Kg	☼	08/24/15 09:25	08/24/15 16:52	10

## Client Sample ID: CSW-24

Date Collected: 08/21/15 00:00

Date Received: 08/21/15 16:50

## Lab Sample ID: 480-86066-2

Matrix: Solid

Percent Solids: 73.5

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	69.3		2.8	0.56	mg/Kg	☼	08/24/15 10:02	08/25/15 02:42	1

### Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.96		0.027	0.011	mg/Kg	☼	08/24/15 09:25	08/24/15 15:10	1

## Client Sample ID: CSW-25

Date Collected: 08/21/15 00:00

Date Received: 08/21/15 16:50

## Lab Sample ID: 480-86066-3

Matrix: Solid

Percent Solids: 81.5

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	28.6		2.4	0.49	mg/Kg	☼	08/24/15 10:02	08/25/15 02:45	1

### Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	1.8		0.12	0.048	mg/Kg	☼	08/24/15 09:25	08/24/15 16:54	5

## Client Sample ID: CSW-26

Date Collected: 08/21/15 00:00

Date Received: 08/21/15 16:50

## Lab Sample ID: 480-86066-4

Matrix: Solid

Percent Solids: 76.9

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	52.1	F1	2.8	0.55	mg/Kg	☼	08/24/15 10:02	08/25/15 02:48	1

### Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	3.8		0.13	0.052	mg/Kg	☼	08/24/15 09:25	08/25/15 07:31	5

## Client Sample ID: CSW-27

Date Collected: 08/21/15 00:00

Date Received: 08/21/15 16:50

## Lab Sample ID: 480-86066-5

Matrix: Solid

Percent Solids: 78.7

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	32.5		2.4	0.48	mg/Kg	☼	08/24/15 10:02	08/25/15 03:14	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-86066-1

## Client Sample ID: CSW-27

Date Collected: 08/21/15 00:00

Date Received: 08/21/15 16:50

## Lab Sample ID: 480-86066-5

Matrix: Solid

Percent Solids: 78.7

### Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	1.6		0.13	0.051	mg/Kg	☼	08/24/15 09:25	08/25/15 07:38	5

## Client Sample ID: CSW-28

Date Collected: 08/21/15 00:00

Date Received: 08/21/15 16:50

## Lab Sample ID: 480-86066-6

Matrix: Solid

Percent Solids: 77.2

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	40.7		2.7	0.55	mg/Kg	☼	08/24/15 10:02	08/25/15 03:17	1

### Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	1.9		0.13	0.051	mg/Kg	☼	08/24/15 09:25	08/25/15 07:41	5

## Client Sample ID: CSW-29

Date Collected: 08/21/15 00:00

Date Received: 08/21/15 16:50

## Lab Sample ID: 480-86066-7

Matrix: Solid

Percent Solids: 71.4

### Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.54		0.026	0.011	mg/Kg	☼	08/24/15 09:25	08/24/15 15:30	1

## Client Sample ID: CSW-30

Date Collected: 08/21/15 00:00

Date Received: 08/21/15 16:50

## Lab Sample ID: 480-86066-8

Matrix: Solid

Percent Solids: 74.3

### Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.67		0.026	0.011	mg/Kg	☼	08/24/15 09:25	08/24/15 15:33	1

## Client Sample ID: CSW-31

Date Collected: 08/21/15 00:00

Date Received: 08/21/15 16:50

## Lab Sample ID: 480-86066-9

Matrix: Solid

Percent Solids: 67.2

### Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	1.6		0.14	0.057	mg/Kg	☼	08/24/15 09:25	08/25/15 07:43	5

## Client Sample ID: CSB-5

Date Collected: 08/21/15 00:00

Date Received: 08/21/15 16:50

## Lab Sample ID: 480-86066-10

Matrix: Solid

Percent Solids: 62.9

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	156		3.3	0.66	mg/Kg	☼	08/24/15 10:02	08/25/15 03:21	1

### Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	5.4		0.16	0.063	mg/Kg	☼	08/24/15 09:25	08/25/15 07:45	5

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86066-1

## Client Sample ID: CSB-6

Date Collected: 08/21/15 00:00

Date Received: 08/21/15 16:50

## Lab Sample ID: 480-86066-11

Matrix: Solid

Percent Solids: 63.5

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	27.3		3.1	0.63	mg/Kg	☼	08/24/15 10:02	08/25/15 03:24	1

### Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	6.3		0.31	0.12	mg/Kg	☼	08/24/15 09:25	08/25/15 07:47	10

## Client Sample ID: CSB-7

Date Collected: 08/21/15 00:00

Date Received: 08/21/15 16:50

## Lab Sample ID: 480-86066-12

Matrix: Solid

Percent Solids: 64.8

### Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	2.2		0.15	0.063	mg/Kg	☼	08/24/15 09:25	08/25/15 07:49	5

## Client Sample ID: CSW-18-2

Date Collected: 08/21/15 00:00

Date Received: 08/21/15 16:50

## Lab Sample ID: 480-86066-13

Matrix: Solid

Percent Solids: 76.1

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7370		1.3	0.31	mg/Kg	☼	08/24/15 10:02	08/25/15 03:27	1

## Client Sample ID: CSW-14-2

Date Collected: 08/21/15 00:00

Date Received: 08/21/15 16:50

## Lab Sample ID: 480-86066-14

Matrix: Solid

Percent Solids: 63.4

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2520		1.6	0.37	mg/Kg	☼	08/24/15 10:02	08/25/15 03:40	1

## Client Sample ID: CSB-4-2

Date Collected: 08/21/15 00:00

Date Received: 08/21/15 16:50

## Lab Sample ID: 480-86066-15

Matrix: Solid

Percent Solids: 78.9

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	93.4		1.3	0.31	mg/Kg	☼	08/24/15 10:02	08/25/15 03:43	1

## Client Sample ID: ERB-2

Date Collected: 08/21/15 00:00

Date Received: 08/21/15 16:50

## Lab Sample ID: 480-86066-16

Matrix: Water

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L	—	08/26/15 07:27	08/26/15 17:30	1
Iron	ND		0.050	0.019	mg/L	—	08/26/15 07:27	08/26/15 17:30	1

### Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L	—	08/26/15 10:20	08/26/15 15:20	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86066-1

## Client Sample ID: CSW-19

Date Collected: 08/21/15 00:00

Date Received: 08/21/15 16:50

## Lab Sample ID: 480-86066-17

Matrix: Solid

Percent Solids: 74.5

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	47.8		2.5	0.51	mg/Kg	☼	08/24/15 10:02	08/25/15 03:46	1

### Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.51		0.026	0.011	mg/Kg	☼	08/24/15 09:25	08/24/15 15:48	1

## Client Sample ID: CSW-20

Date Collected: 08/21/15 00:00

Date Received: 08/21/15 16:50

## Lab Sample ID: 480-86066-18

Matrix: Solid

Percent Solids: 73.4

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	113		2.8	0.55	mg/Kg	☼	08/24/15 10:02	08/25/15 03:49	1

### Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	1.6		0.14	0.055	mg/Kg	☼	08/24/15 09:25	08/25/15 07:55	5

## Client Sample ID: CSW-21

Date Collected: 08/21/15 00:00

Date Received: 08/21/15 16:50

## Lab Sample ID: 480-86066-19

Matrix: Solid

Percent Solids: 68.3

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	79.3		2.8	0.57	mg/Kg	☼	08/24/15 10:02	08/25/15 03:53	1

### Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	3.7		0.14	0.057	mg/Kg	☼	08/24/15 09:25	08/25/15 08:22	5

## Client Sample ID: CSW-22

Date Collected: 08/21/15 00:00

Date Received: 08/21/15 16:50

## Lab Sample ID: 480-86066-20

Matrix: Solid

Percent Solids: 76.3

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	45.4		2.5	0.49	mg/Kg	☼	08/24/15 10:02	08/25/15 03:56	1

### Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	2.9		0.12	0.049	mg/Kg	☼	08/24/15 09:25	08/25/15 07:58	5

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-86066-1

## Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-260042/1-A

Matrix: Solid

Analysis Batch: 260223

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 260042

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.0	0.41	mg/Kg		08/24/15 10:02	08/25/15 02:29	1
Lead	ND		1.0	0.24	mg/Kg		08/24/15 10:02	08/25/15 02:29	1

Lab Sample ID: LCSSRM 480-260042/2-A

Matrix: Solid

Analysis Batch: 260223

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 260042

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	113	101.9		mg/Kg		90.2	69.7 - 142.5
Lead	90.1	92.82		mg/Kg		103.0	70.1 - 129.9

Lab Sample ID: 480-86066-4 MS

Matrix: Solid

Analysis Batch: 260223

Client Sample ID: CSW-26

Prep Type: Total/NA

Prep Batch: 260042

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	52.1	F1	53.0	100.5		mg/Kg	☼	91	75 - 125

Lab Sample ID: 480-86066-4 MSD

Matrix: Solid

Analysis Batch: 260223

Client Sample ID: CSW-26

Prep Type: Total/NA

Prep Batch: 260042

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	52.1	F1	53.8	86.29	F1	mg/Kg	☼	64	75 - 125	15	20

Lab Sample ID: MB 480-260411/1-A

Matrix: Water

Analysis Batch: 260684

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 260411

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		08/26/15 07:27	08/26/15 17:15	1
Iron	ND		0.050	0.019	mg/L		08/26/15 07:27	08/26/15 17:15	1

Lab Sample ID: LCS 480-260411/2-A

Matrix: Water

Analysis Batch: 260684

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 260411

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.200	0.189		mg/L		95	80 - 120
Iron	10.0	9.31		mg/L		93	80 - 120

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-86066-1

## Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-260477/1-A  
Matrix: Water  
Analysis Batch: 260662

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 260477

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/26/15 10:20	08/26/15 15:06	1

Lab Sample ID: LCS 480-260477/2-A  
Matrix: Water  
Analysis Batch: 260662

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 260477

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00655		mg/L		98	80 - 120

## Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-260022/1-A  
Matrix: Solid  
Analysis Batch: 260260

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 260022

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.020	0.0081	mg/Kg		08/24/15 09:25	08/24/15 15:05	1

Lab Sample ID: LCSSRM 480-260022/2-A  
Matrix: Solid  
Analysis Batch: 260260

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 260022

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Hg	8.37	10.62		mg/Kg		126.9	51.3 - 148.1

Lab Sample ID: 480-86066-4 MS  
Matrix: Solid  
Analysis Batch: 260260

Client Sample ID: CSW-26  
Prep Type: Total/NA  
Prep Batch: 260022

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Hg	3.8		0.412	2.18	4	mg/Kg	✱	-404	80 - 120

Lab Sample ID: 480-86066-4 MSD  
Matrix: Solid  
Analysis Batch: 260260

Client Sample ID: CSW-26  
Prep Type: Total/NA  
Prep Batch: 260022

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hg	3.8		0.417	2.41	4	mg/Kg	✱	-345	80 - 120	10	20

TestAmerica Buffalo

# QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86066-1

## Metals

### Prep Batch: 260022

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-86066-1	CSW-23	Total/NA	Solid	7471B	
480-86066-2	CSW-24	Total/NA	Solid	7471B	
480-86066-3	CSW-25	Total/NA	Solid	7471B	
480-86066-4	CSW-26	Total/NA	Solid	7471B	
480-86066-4 MS	CSW-26	Total/NA	Solid	7471B	
480-86066-4 MSD	CSW-26	Total/NA	Solid	7471B	
480-86066-5	CSW-27	Total/NA	Solid	7471B	
480-86066-6	CSW-28	Total/NA	Solid	7471B	
480-86066-7	CSW-29	Total/NA	Solid	7471B	
480-86066-8	CSW-30	Total/NA	Solid	7471B	
480-86066-9	CSW-31	Total/NA	Solid	7471B	
480-86066-10	CSB-5	Total/NA	Solid	7471B	
480-86066-11	CSB-6	Total/NA	Solid	7471B	
480-86066-12	CSB-7	Total/NA	Solid	7471B	
480-86066-17	CSW-19	Total/NA	Solid	7471B	
480-86066-18	CSW-20	Total/NA	Solid	7471B	
480-86066-19	CSW-21	Total/NA	Solid	7471B	
480-86066-20	CSW-22	Total/NA	Solid	7471B	
LCSSRM 480-260022/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 480-260022/1-A	Method Blank	Total/NA	Solid	7471B	

### Prep Batch: 260042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-86066-1	CSW-23	Total/NA	Solid	3050B	
480-86066-2	CSW-24	Total/NA	Solid	3050B	
480-86066-3	CSW-25	Total/NA	Solid	3050B	
480-86066-4	CSW-26	Total/NA	Solid	3050B	
480-86066-4 MS	CSW-26	Total/NA	Solid	3050B	
480-86066-4 MSD	CSW-26	Total/NA	Solid	3050B	
480-86066-5	CSW-27	Total/NA	Solid	3050B	
480-86066-6	CSW-28	Total/NA	Solid	3050B	
480-86066-10	CSB-5	Total/NA	Solid	3050B	
480-86066-11	CSB-6	Total/NA	Solid	3050B	
480-86066-13	CSW-18-2	Total/NA	Solid	3050B	
480-86066-14	CSW-14-2	Total/NA	Solid	3050B	
480-86066-15	CSB-4-2	Total/NA	Solid	3050B	
480-86066-17	CSW-19	Total/NA	Solid	3050B	
480-86066-18	CSW-20	Total/NA	Solid	3050B	
480-86066-19	CSW-21	Total/NA	Solid	3050B	
480-86066-20	CSW-22	Total/NA	Solid	3050B	
LCSSRM 480-260042/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 480-260042/1-A	Method Blank	Total/NA	Solid	3050B	

### Analysis Batch: 260223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-86066-1	CSW-23	Total/NA	Solid	6010C	260042
480-86066-2	CSW-24	Total/NA	Solid	6010C	260042
480-86066-3	CSW-25	Total/NA	Solid	6010C	260042
480-86066-4	CSW-26	Total/NA	Solid	6010C	260042
480-86066-4 MS	CSW-26	Total/NA	Solid	6010C	260042
480-86066-4 MSD	CSW-26	Total/NA	Solid	6010C	260042

TestAmerica Buffalo



# QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-86066-1

## Metals (Continued)

### Analysis Batch: 260223 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-86066-5	CSW-27	Total/NA	Solid	6010C	260042
480-86066-6	CSW-28	Total/NA	Solid	6010C	260042
480-86066-10	CSB-5	Total/NA	Solid	6010C	260042
480-86066-11	CSB-6	Total/NA	Solid	6010C	260042
480-86066-13	CSW-18-2	Total/NA	Solid	6010C	260042
480-86066-14	CSW-14-2	Total/NA	Solid	6010C	260042
480-86066-15	CSB-4-2	Total/NA	Solid	6010C	260042
480-86066-17	CSW-19	Total/NA	Solid	6010C	260042
480-86066-18	CSW-20	Total/NA	Solid	6010C	260042
480-86066-19	CSW-21	Total/NA	Solid	6010C	260042
480-86066-20	CSW-22	Total/NA	Solid	6010C	260042
LCS SRM 480-260042/2-A	Lab Control Sample	Total/NA	Solid	6010C	260042
MB 480-260042/1-A	Method Blank	Total/NA	Solid	6010C	260042

### Analysis Batch: 260260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-86066-1	CSW-23	Total/NA	Solid	7471B	260022
480-86066-2	CSW-24	Total/NA	Solid	7471B	260022
480-86066-3	CSW-25	Total/NA	Solid	7471B	260022
480-86066-4	CSW-26	Total/NA	Solid	7471B	260022
480-86066-4 MS	CSW-26	Total/NA	Solid	7471B	260022
480-86066-4 MSD	CSW-26	Total/NA	Solid	7471B	260022
480-86066-5	CSW-27	Total/NA	Solid	7471B	260022
480-86066-6	CSW-28	Total/NA	Solid	7471B	260022
480-86066-7	CSW-29	Total/NA	Solid	7471B	260022
480-86066-8	CSW-30	Total/NA	Solid	7471B	260022
480-86066-9	CSW-31	Total/NA	Solid	7471B	260022
480-86066-10	CSB-5	Total/NA	Solid	7471B	260022
480-86066-11	CSB-6	Total/NA	Solid	7471B	260022
480-86066-12	CSB-7	Total/NA	Solid	7471B	260022
480-86066-17	CSW-19	Total/NA	Solid	7471B	260022
480-86066-18	CSW-20	Total/NA	Solid	7471B	260022
480-86066-19	CSW-21	Total/NA	Solid	7471B	260022
480-86066-20	CSW-22	Total/NA	Solid	7471B	260022
LCS SRM 480-260022/2-A	Lab Control Sample	Total/NA	Solid	7471B	260022
MB 480-260022/1-A	Method Blank	Total/NA	Solid	7471B	260022

### Prep Batch: 260411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-86066-16	ERB-2	Total/NA	Water	3005A	
LCS 480-260411/2-A	Lab Control Sample	Total/NA	Water	3005A	
MB 480-260411/1-A	Method Blank	Total/NA	Water	3005A	

### Prep Batch: 260477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-86066-16	ERB-2	Total/NA	Water	7470A	
LCS 480-260477/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 480-260477/1-A	Method Blank	Total/NA	Water	7470A	

TestAmerica Buffalo

## QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86066-1

### Metals (Continued)

#### Analysis Batch: 260662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-86066-16	ERB-2	Total/NA	Water	7470A	260477
LCS 480-260477/2-A	Lab Control Sample	Total/NA	Water	7470A	260477
MB 480-260477/1-A	Method Blank	Total/NA	Water	7470A	260477

#### Analysis Batch: 260684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-86066-16	ERB-2	Total/NA	Water	6010C	260411
LCS 480-260411/2-A	Lab Control Sample	Total/NA	Water	6010C	260411
MB 480-260411/1-A	Method Blank	Total/NA	Water	6010C	260411

### General Chemistry

#### Analysis Batch: 259944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-86066-1	CSW-23	Total/NA	Solid	Moisture	
480-86066-2	CSW-24	Total/NA	Solid	Moisture	
480-86066-3	CSW-25	Total/NA	Solid	Moisture	
480-86066-4	CSW-26	Total/NA	Solid	Moisture	
480-86066-4 MS	CSW-26	Total/NA	Solid	Moisture	
480-86066-4 MSD	CSW-26	Total/NA	Solid	Moisture	
480-86066-5	CSW-27	Total/NA	Solid	Moisture	
480-86066-6	CSW-28	Total/NA	Solid	Moisture	
480-86066-7	CSW-29	Total/NA	Solid	Moisture	
480-86066-8	CSW-30	Total/NA	Solid	Moisture	
480-86066-9	CSW-31	Total/NA	Solid	Moisture	
480-86066-10	CSB-5	Total/NA	Solid	Moisture	
480-86066-11	CSB-6	Total/NA	Solid	Moisture	
480-86066-12	CSB-7	Total/NA	Solid	Moisture	
480-86066-13	CSW-18-2	Total/NA	Solid	Moisture	
480-86066-14	CSW-14-2	Total/NA	Solid	Moisture	
480-86066-15	CSB-4-2	Total/NA	Solid	Moisture	
480-86066-17	CSW-19	Total/NA	Solid	Moisture	
480-86066-18	CSW-20	Total/NA	Solid	Moisture	
480-86066-19	CSW-21	Total/NA	Solid	Moisture	
480-86066-20	CSW-22	Total/NA	Solid	Moisture	

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86066-1

**Client Sample ID: CSW-23**  
**Date Collected: 08/21/15 00:00**  
**Date Received: 08/21/15 16:50**

**Lab Sample ID: 480-86066-1**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	259944	08/21/15 21:18	CMK	TAL BUF

**Client Sample ID: CSW-23**  
**Date Collected: 08/21/15 00:00**  
**Date Received: 08/21/15 16:50**

**Lab Sample ID: 480-86066-1**  
**Matrix: Solid**  
**Percent Solids: 70.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			260042	08/24/15 10:02	TAS	TAL BUF
Total/NA	Analysis	6010C		1	260223	08/25/15 02:38	AMH	TAL BUF
Total/NA	Prep	7471B			260022	08/24/15 09:25	TAS	TAL BUF
Total/NA	Analysis	7471B		10	260260	08/24/15 16:52	TAS	TAL BUF

**Client Sample ID: CSW-24**  
**Date Collected: 08/21/15 00:00**  
**Date Received: 08/21/15 16:50**

**Lab Sample ID: 480-86066-2**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	259944	08/21/15 21:18	CMK	TAL BUF

**Client Sample ID: CSW-24**  
**Date Collected: 08/21/15 00:00**  
**Date Received: 08/21/15 16:50**

**Lab Sample ID: 480-86066-2**  
**Matrix: Solid**  
**Percent Solids: 73.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			260042	08/24/15 10:02	TAS	TAL BUF
Total/NA	Analysis	6010C		1	260223	08/25/15 02:42	AMH	TAL BUF
Total/NA	Prep	7471B			260022	08/24/15 09:25	TAS	TAL BUF
Total/NA	Analysis	7471B		1	260260	08/24/15 15:10	TAS	TAL BUF

**Client Sample ID: CSW-25**  
**Date Collected: 08/21/15 00:00**  
**Date Received: 08/21/15 16:50**

**Lab Sample ID: 480-86066-3**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	259944	08/21/15 21:18	CMK	TAL BUF

**Client Sample ID: CSW-25**  
**Date Collected: 08/21/15 00:00**  
**Date Received: 08/21/15 16:50**

**Lab Sample ID: 480-86066-3**  
**Matrix: Solid**  
**Percent Solids: 81.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			260042	08/24/15 10:02	TAS	TAL BUF

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-86066-1

## Client Sample ID: CSW-25

Date Collected: 08/21/15 00:00

Date Received: 08/21/15 16:50

## Lab Sample ID: 480-86066-3

Matrix: Solid

Percent Solids: 81.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010C		1	260223	08/25/15 02:45	AMH	TAL BUF
Total/NA	Prep	7471B			260022	08/24/15 09:25	TAS	TAL BUF
Total/NA	Analysis	7471B		5	260260	08/24/15 16:54	TAS	TAL BUF

## Client Sample ID: CSW-26

Date Collected: 08/21/15 00:00

Date Received: 08/21/15 16:50

## Lab Sample ID: 480-86066-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	259944	08/21/15 21:18	CMK	TAL BUF

## Client Sample ID: CSW-26

Date Collected: 08/21/15 00:00

Date Received: 08/21/15 16:50

## Lab Sample ID: 480-86066-4

Matrix: Solid

Percent Solids: 76.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			260042	08/24/15 10:02	TAS	TAL BUF
Total/NA	Analysis	6010C		1	260223	08/25/15 02:48	AMH	TAL BUF
Total/NA	Prep	7471B			260022	08/24/15 09:25	TAS	TAL BUF
Total/NA	Analysis	7471B		5	260260	08/25/15 07:31	TAS	TAL BUF

## Client Sample ID: CSW-27

Date Collected: 08/21/15 00:00

Date Received: 08/21/15 16:50

## Lab Sample ID: 480-86066-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	259944	08/21/15 21:18	CMK	TAL BUF

## Client Sample ID: CSW-27

Date Collected: 08/21/15 00:00

Date Received: 08/21/15 16:50

## Lab Sample ID: 480-86066-5

Matrix: Solid

Percent Solids: 78.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			260042	08/24/15 10:02	TAS	TAL BUF
Total/NA	Analysis	6010C		1	260223	08/25/15 03:14	AMH	TAL BUF
Total/NA	Prep	7471B			260022	08/24/15 09:25	TAS	TAL BUF
Total/NA	Analysis	7471B		5	260260	08/25/15 07:38	TAS	TAL BUF

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86066-1

**Client Sample ID: CSW-28**

**Date Collected: 08/21/15 00:00**

**Date Received: 08/21/15 16:50**

**Lab Sample ID: 480-86066-6**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	259944	08/21/15 21:18	CMK	TAL BUF

**Client Sample ID: CSW-28**

**Date Collected: 08/21/15 00:00**

**Date Received: 08/21/15 16:50**

**Lab Sample ID: 480-86066-6**

**Matrix: Solid**

**Percent Solids: 77.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			260042	08/24/15 10:02	TAS	TAL BUF
Total/NA	Analysis	6010C		1	260223	08/25/15 03:17	AMH	TAL BUF
Total/NA	Prep	7471B			260022	08/24/15 09:25	TAS	TAL BUF
Total/NA	Analysis	7471B		5	260260	08/25/15 07:41	TAS	TAL BUF

**Client Sample ID: CSW-29**

**Date Collected: 08/21/15 00:00**

**Date Received: 08/21/15 16:50**

**Lab Sample ID: 480-86066-7**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	259944	08/21/15 21:18	CMK	TAL BUF

**Client Sample ID: CSW-29**

**Date Collected: 08/21/15 00:00**

**Date Received: 08/21/15 16:50**

**Lab Sample ID: 480-86066-7**

**Matrix: Solid**

**Percent Solids: 71.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			260022	08/24/15 09:25	TAS	TAL BUF
Total/NA	Analysis	7471B		1	260260	08/24/15 15:30	TAS	TAL BUF

**Client Sample ID: CSW-30**

**Date Collected: 08/21/15 00:00**

**Date Received: 08/21/15 16:50**

**Lab Sample ID: 480-86066-8**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	259944	08/21/15 21:18	CMK	TAL BUF

**Client Sample ID: CSW-30**

**Date Collected: 08/21/15 00:00**

**Date Received: 08/21/15 16:50**

**Lab Sample ID: 480-86066-8**

**Matrix: Solid**

**Percent Solids: 74.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			260022	08/24/15 09:25	TAS	TAL BUF
Total/NA	Analysis	7471B		1	260260	08/24/15 15:33	TAS	TAL BUF

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86066-1

**Client Sample ID: CSW-31**

**Date Collected: 08/21/15 00:00**

**Date Received: 08/21/15 16:50**

**Lab Sample ID: 480-86066-9**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	259944	08/21/15 21:18	CMK	TAL BUF

**Client Sample ID: CSW-31**

**Date Collected: 08/21/15 00:00**

**Date Received: 08/21/15 16:50**

**Lab Sample ID: 480-86066-9**

**Matrix: Solid**

**Percent Solids: 67.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			260022	08/24/15 09:25	TAS	TAL BUF
Total/NA	Analysis	7471B		5	260260	08/25/15 07:43	TAS	TAL BUF

**Client Sample ID: CSB-5**

**Date Collected: 08/21/15 00:00**

**Date Received: 08/21/15 16:50**

**Lab Sample ID: 480-86066-10**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	259944	08/21/15 21:18	CMK	TAL BUF

**Client Sample ID: CSB-5**

**Date Collected: 08/21/15 00:00**

**Date Received: 08/21/15 16:50**

**Lab Sample ID: 480-86066-10**

**Matrix: Solid**

**Percent Solids: 62.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			260042	08/24/15 10:02	TAS	TAL BUF
Total/NA	Analysis	6010C		1	260223	08/25/15 03:21	AMH	TAL BUF
Total/NA	Prep	7471B			260022	08/24/15 09:25	TAS	TAL BUF
Total/NA	Analysis	7471B		5	260260	08/25/15 07:45	TAS	TAL BUF

**Client Sample ID: CSB-6**

**Date Collected: 08/21/15 00:00**

**Date Received: 08/21/15 16:50**

**Lab Sample ID: 480-86066-11**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	259944	08/21/15 21:18	CMK	TAL BUF

**Client Sample ID: CSB-6**

**Date Collected: 08/21/15 00:00**

**Date Received: 08/21/15 16:50**

**Lab Sample ID: 480-86066-11**

**Matrix: Solid**

**Percent Solids: 63.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			260042	08/24/15 10:02	TAS	TAL BUF
Total/NA	Analysis	6010C		1	260223	08/25/15 03:24	AMH	TAL BUF
Total/NA	Prep	7471B			260022	08/24/15 09:25	TAS	TAL BUF

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-86066-1

**Client Sample ID: CSB-6**

**Date Collected: 08/21/15 00:00**

**Date Received: 08/21/15 16:50**

**Lab Sample ID: 480-86066-11**

**Matrix: Solid**

**Percent Solids: 63.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7471B		10	260260	08/25/15 07:47	TAS	TAL BUF

**Client Sample ID: CSB-7**

**Date Collected: 08/21/15 00:00**

**Date Received: 08/21/15 16:50**

**Lab Sample ID: 480-86066-12**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	259944	08/21/15 21:18	CMK	TAL BUF

**Client Sample ID: CSB-7**

**Date Collected: 08/21/15 00:00**

**Date Received: 08/21/15 16:50**

**Lab Sample ID: 480-86066-12**

**Matrix: Solid**

**Percent Solids: 64.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			260022	08/24/15 09:25	TAS	TAL BUF
Total/NA	Analysis	7471B		5	260260	08/25/15 07:49	TAS	TAL BUF

**Client Sample ID: CSW-18-2**

**Date Collected: 08/21/15 00:00**

**Date Received: 08/21/15 16:50**

**Lab Sample ID: 480-86066-13**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	259944	08/21/15 21:18	CMK	TAL BUF

**Client Sample ID: CSW-18-2**

**Date Collected: 08/21/15 00:00**

**Date Received: 08/21/15 16:50**

**Lab Sample ID: 480-86066-13**

**Matrix: Solid**

**Percent Solids: 76.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			260042	08/24/15 10:02	TAS	TAL BUF
Total/NA	Analysis	6010C		1	260223	08/25/15 03:27	AMH	TAL BUF

**Client Sample ID: CSW-14-2**

**Date Collected: 08/21/15 00:00**

**Date Received: 08/21/15 16:50**

**Lab Sample ID: 480-86066-14**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	259944	08/21/15 21:18	CMK	TAL BUF

TestAmerica Buffalo



# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86066-1

**Client Sample ID: CSW-14-2**

**Date Collected: 08/21/15 00:00**

**Date Received: 08/21/15 16:50**

**Lab Sample ID: 480-86066-14**

**Matrix: Solid**

**Percent Solids: 63.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			260042	08/24/15 10:02	TAS	TAL BUF
Total/NA	Analysis	6010C		1	260223	08/25/15 03:40	AMH	TAL BUF

**Client Sample ID: CSB-4-2**

**Date Collected: 08/21/15 00:00**

**Date Received: 08/21/15 16:50**

**Lab Sample ID: 480-86066-15**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	259944	08/21/15 21:18	CMK	TAL BUF

**Client Sample ID: CSB-4-2**

**Date Collected: 08/21/15 00:00**

**Date Received: 08/21/15 16:50**

**Lab Sample ID: 480-86066-15**

**Matrix: Solid**

**Percent Solids: 78.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			260042	08/24/15 10:02	TAS	TAL BUF
Total/NA	Analysis	6010C		1	260223	08/25/15 03:43	AMH	TAL BUF

**Client Sample ID: ERB-2**

**Date Collected: 08/21/15 00:00**

**Date Received: 08/21/15 16:50**

**Lab Sample ID: 480-86066-16**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3005A			260411	08/26/15 07:27	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	260684	08/26/15 17:30	AMH	TAL BUF
Total/NA	Prep	7470A			260477	08/26/15 10:20	TAS	TAL BUF
Total/NA	Analysis	7470A		1	260662	08/26/15 15:20	TAS	TAL BUF

**Client Sample ID: CSW-19**

**Date Collected: 08/21/15 00:00**

**Date Received: 08/21/15 16:50**

**Lab Sample ID: 480-86066-17**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	259944	08/21/15 21:18	CMK	TAL BUF

**Client Sample ID: CSW-19**

**Date Collected: 08/21/15 00:00**

**Date Received: 08/21/15 16:50**

**Lab Sample ID: 480-86066-17**

**Matrix: Solid**

**Percent Solids: 74.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			260042	08/24/15 10:02	TAS	TAL BUF
Total/NA	Analysis	6010C		1	260223	08/25/15 03:46	AMH	TAL BUF

TestAmerica Buffalo



# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-86066-1

**Client Sample ID: CSW-19**

**Date Collected: 08/21/15 00:00**

**Date Received: 08/21/15 16:50**

**Lab Sample ID: 480-86066-17**

**Matrix: Solid**

**Percent Solids: 74.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			260022	08/24/15 09:25	TAS	TAL BUF
Total/NA	Analysis	7471B		1	260260	08/24/15 15:48	TAS	TAL BUF

**Client Sample ID: CSW-20**

**Date Collected: 08/21/15 00:00**

**Date Received: 08/21/15 16:50**

**Lab Sample ID: 480-86066-18**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	259944	08/21/15 21:18	CMK	TAL BUF

**Client Sample ID: CSW-20**

**Date Collected: 08/21/15 00:00**

**Date Received: 08/21/15 16:50**

**Lab Sample ID: 480-86066-18**

**Matrix: Solid**

**Percent Solids: 73.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			260042	08/24/15 10:02	TAS	TAL BUF
Total/NA	Analysis	6010C		1	260223	08/25/15 03:49	AMH	TAL BUF
Total/NA	Prep	7471B			260022	08/24/15 09:25	TAS	TAL BUF
Total/NA	Analysis	7471B		5	260260	08/25/15 07:55	TAS	TAL BUF

**Client Sample ID: CSW-21**

**Date Collected: 08/21/15 00:00**

**Date Received: 08/21/15 16:50**

**Lab Sample ID: 480-86066-19**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	259944	08/21/15 21:18	CMK	TAL BUF

**Client Sample ID: CSW-21**

**Date Collected: 08/21/15 00:00**

**Date Received: 08/21/15 16:50**

**Lab Sample ID: 480-86066-19**

**Matrix: Solid**

**Percent Solids: 68.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			260042	08/24/15 10:02	TAS	TAL BUF
Total/NA	Analysis	6010C		1	260223	08/25/15 03:53	AMH	TAL BUF
Total/NA	Prep	7471B			260022	08/24/15 09:25	TAS	TAL BUF
Total/NA	Analysis	7471B		5	260260	08/25/15 08:22	TAS	TAL BUF

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-86066-1

**Client Sample ID: CSW-22**

**Date Collected: 08/21/15 00:00**

**Date Received: 08/21/15 16:50**

**Lab Sample ID: 480-86066-20**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	259944	08/21/15 21:18	CMK	TAL BUF

**Client Sample ID: CSW-22**

**Date Collected: 08/21/15 00:00**

**Date Received: 08/21/15 16:50**

**Lab Sample ID: 480-86066-20**

**Matrix: Solid**

**Percent Solids: 76.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			260042	08/24/15 10:02	TAS	TAL BUF
Total/NA	Analysis	6010C		1	260223	08/25/15 03:56	AMH	TAL BUF
Total/NA	Prep	7471B			260022	08/24/15 09:25	TAS	TAL BUF
Total/NA	Analysis	7471B		5	260260	08/25/15 07:58	TAS	TAL BUF

## Laboratory References:

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

## Certification Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86066-1

### 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	03-31-16

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

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

## Method Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86066-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
7471B	Mercury (CVAA)	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

# Sample Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86066-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-86066-1	CSW-23	Solid	08/21/15 00:00	08/21/15 16:50
480-86066-2	CSW-24	Solid	08/21/15 00:00	08/21/15 16:50
480-86066-3	CSW-25	Solid	08/21/15 00:00	08/21/15 16:50
480-86066-4	CSW-26	Solid	08/21/15 00:00	08/21/15 16:50
480-86066-5	CSW-27	Solid	08/21/15 00:00	08/21/15 16:50
480-86066-6	CSW-28	Solid	08/21/15 00:00	08/21/15 16:50
480-86066-7	CSW-29	Solid	08/21/15 00:00	08/21/15 16:50
480-86066-8	CSW-30	Solid	08/21/15 00:00	08/21/15 16:50
480-86066-9	CSW-31	Solid	08/21/15 00:00	08/21/15 16:50
480-86066-10	CSB-5	Solid	08/21/15 00:00	08/21/15 16:50
480-86066-11	CSB-6	Solid	08/21/15 00:00	08/21/15 16:50
480-86066-12	CSB-7	Solid	08/21/15 00:00	08/21/15 16:50
480-86066-13	CSW-18-2	Solid	08/21/15 00:00	08/21/15 16:50
480-86066-14	CSW-14-2	Solid	08/21/15 00:00	08/21/15 16:50
480-86066-15	CSB-4-2	Solid	08/21/15 00:00	08/21/15 16:50
480-86066-16	ERB-2	Water	08/21/15 00:00	08/21/15 16:50
480-86066-17	CSW-19	Solid	08/21/15 00:00	08/21/15 16:50
480-86066-18	CSW-20	Solid	08/21/15 00:00	08/21/15 16:50
480-86066-19	CSW-21	Solid	08/21/15 00:00	08/21/15 16:50
480-86066-20	CSW-22	Solid	08/21/15 00:00	08/21/15 16:50

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt \_\_\_\_\_

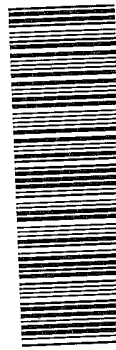
Drinking Water? Yes ☐ No ☒

## Chain of Custody Record

TAL-4124 (1007)

Client <b>Iyer Environmental Group</b>		Project Manager <b>Dharma Iyer</b>		Date <b>Aug 21/15</b>		Chain of Custody Number <b>264454</b>	
Address <b>44 Rolling Hills Dr</b>		Telephone Number (Area Code)/Fax Number <b>(716) 662-4157</b>		Lab Number		Page <b>1</b> of <b>2</b>	
City <b>Orchard Park</b>		State <b>NY</b>		Zip Code <b>14127</b>		Site Contact <b>R. Allen</b>	
Project Name and Location (State) <b>132 Dingers St (NY)</b>		Lab Contact <b>M. Deyo</b>		Carrier/Waybill Number		Analysis (Attach list if more space is needed)	
Contract/Purchase Order/Quote No.						Special Instructions/ Conditions of Receipt <b>Category B</b>	

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Matrix				Containers & Preservatives					Analysis
		Air	Aqueous	Sed	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH
CSW-23	Aug 21, 2015				✓						✓
CSW-24					✓						✓
CSW-25					✓						✓
CSW-26					✓						✓
CSW-27					✓						✓
CSW-28					✓						✓
CSW-29					✓						✓
CSW-30					✓						✓
CSW-31					✓						✓
CSB-5					✓						✓
CSB-6					✓						✓
CSB-7					✓						✓



480-88066 Chain of Custody

Possible Hazard Identification  
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown  
 Turn Around Time Required  
☐ 24 Hours ☐ 48 Hours ☒ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other \_\_\_\_\_  
 Sample Disposal  
☐ Return To Client ☒ Disposal By Lab ☐ Archive For \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

QC Requirements (Specify)

1. Relinquished By <b>Richard C Allen Jr</b>	Date <b>8/21/15</b>	Time <b>1650</b>	1. Received By <b>[Signature]</b>	Date <b>8/21/15</b>	Time <b>1650</b>
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments  
Temp 18.7 #1 NOICE

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt \_\_\_\_\_

Drinking Water? Yes ☐ No ☒

## Chain of Custody Record

TAL-4124 (1007)

Client <b>Iyer Environmental Group</b>	Project Manager <b>Dharma Iyer</b>	Date <b>Aug 21, 2015</b>	Chain of Custody Number <b>264455</b>
Address <b>44 Rolling Hills Dr</b>	Telephone Number (Area Code)/Fax Number <b>(716) 662-4157</b>	Lab Number	Page <b>2</b> of <b>2</b>
City <b>Orchard Park</b>	State <b>NY</b>	Zip Code <b>14127</b>	
Project Name and Location (State) <b>132 Dingers St (NY)</b>	Site Contact <b>R. Allen</b>	Lab Contact <b>M. Deyo</b>	
Contract/Purchase Order/Quote No.	Carrier/Waybill Number		

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives					Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt	
			Air	Aqueous	Sed	Soil	Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH			
CSW-18-2	8/21/15					✓								Total	Category B
CSW-14-2	11					✓							Total	NOT RECORDED	
CSB-4-2	11					✓							Total		
ERB-2	11					✓							Total		
CSW-19	11					✓							Total		
CSW-20	11					✓							Total		
CSW-21	11					✓							Total		
CSW-22	11					✓							Total		

Possible Hazard Identification  
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown  
 Turn Around Time Required  
☐ 24 Hours ☐ 48 Hours ☒ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other \_\_\_\_\_  
 Relinquished By **Richard C Allen Jr** Date **8/21/15** Time **1650**  
 Relinquished By \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_  
 Relinquished By \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

QC Requirements (Specify)  
 Disposal By Lab ☐ Archive For \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)  
 Return To Client ☐ Unknown  
 Sample Disposal  
 Relinquished By **Richard C Allen Jr** Date **8/21/15** Time **1650**  
 Relinquished By \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_  
 Relinquished By \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

## Login Sample Receipt Checklist

Client: Iyer Environmental Group, LLC

Job Number: 480-86066-1

**Login Number: 86066**

**List Source: TestAmerica Buffalo**

**List Number: 1**

**Creator: Kolb, Chris M**

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.	False	
Cooler Temperature is acceptable.	True	Yes: Received same day of collection
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.	False	Refer to job narrative for details
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.	False	Refer to job narrative for details
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	
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	iyer env
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	



## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-86308-1

Client Project/Site: 132 Dingens

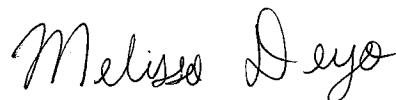
For:

Iyer Environmental Group, LLC

44 Rolling Hills Drive

Orchard Park, New York 14127

Attn: Dr. Dharmarajan R Iyer



Authorized for release by:

9/8/2015 12:59:26 PM

Melissa Deyo, Project Manager I

(716)504-9874

[melissa.deyo@testamericainc.com](mailto:melissa.deyo@testamericainc.com)

### LINKS

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results through

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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.

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## Definitions/Glossary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86308-1

### Qualifiers

#### 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.
*	LCS or LCSD is outside acceptance limits.
X	Surrogate is outside control limits
F2	MS/MSD RPD exceeds control limits
F1	MS and/or MSD Recovery is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
F3	Duplicate RPD exceeds the control limit

#### Metals

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)

# Case Narrative

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-86308-1

**Job ID: 480-86308-1**

**Laboratory: TestAmerica Buffalo**

## Narrative

### Job Narrative 480-86308-1

#### Receipt

The samples were received on 8/27/2015 4:40 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 20.5° C.

#### GC/MS Semi VOA

Method(s) 8270D: The following samples were diluted due to appearance and viscosity : CSW-41 (480-86308-12), CSW-42 (480-86308-13), CSW-43 (480-86308-14) and CSB-9 (480-86308-15). As such, surrogate recoveries are below the calibration range, and elevated reporting limits (RLs) are provided.

Method(s) 8270D: The following samples were diluted due to appearance and viscosity: CSW-36 (480-86308-7), CSW-37 (480-86308-8), CSW-37 (480-86308-8[DUJ]), CSW-38 (480-86308-9), CSW-39 (480-86308-10), CSW-40 (480-86308-11), CSW-40 (480-86308-11[MS]) and CSW-40 (480-86308-11[MSD]). Elevated reporting limits (RL) are provided.

Method(s) 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows two of these surrogates to be outside acceptance criteria without performing re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: CSW-36 (480-86308-7), CSW-37 (480-86308-8[DUJ]), CSW-39 (480-86308-10) and CSW-40 (480-86308-11). These results have been reported and qualified.

Method(s) 8270D: The laboratory control sample (LCS) for batch preparation batch 480-261380 and analytical batch 480-262027 recovered outside control limits for the following analyte: Benzaldehyde. This analyte was biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8270D: The laboratory control sample (LCS) for preparation batch 480-261380 and analytical batch 480-262027 recovered outside control limits for the following analyte: 4-Nitroaniline. This analyte has been identified as a poor performing analyte when analyzed using this method; therefore, re-analysis was not performed. These results have been reported and qualified.

Method(s) 8270D: The following analyte recovered outside control limits for the LCS associated with preparation batch 480-261380 and analytical batch 480-262027: Atrazine. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method(s) 8270D: The following sample was diluted due to an abundance of target analytes: CSW-41 (480-86308-12). As such, surrogate recoveries are below the calibration range and may not be reported.

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

#### Metals

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

#### Organic Prep

Method(s) 3550C: The following sample: CSB-9 (480-86308-15) was decanted prior to preparation.

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

# Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-86308-1

## Client Sample ID: CSW-32

## Lab Sample ID: 480-86308-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2070		1.3	0.30	mg/Kg	1	☒	6010C	Total/NA

## Client Sample ID: CSW-33

## Lab Sample ID: 480-86308-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1100		1.4	0.34	mg/Kg	1	☒	6010C	Total/NA

## Client Sample ID: CSW-34

## Lab Sample ID: 480-86308-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1690		1.2	0.28	mg/Kg	1	☒	6010C	Total/NA

## Client Sample ID: CSW-35

## Lab Sample ID: 480-86308-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2660	F2	1.3	0.31	mg/Kg	1	☒	6010C	Total/NA

## Client Sample ID: CSB-8

## Lab Sample ID: 480-86308-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	865		1.5	0.36	mg/Kg	1	☒	6010C	Total/NA

## Client Sample ID: ERB-3

## Lab Sample ID: 480-86308-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.015		0.010	0.0030	mg/L	1		6010C	Total/NA

## Client Sample ID: CSW-36

## Lab Sample ID: 480-86308-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Biphenyl	430	J	2300	330	ug/Kg	10	☒	8270D	Total/NA
2-Methylnaphthalene	1400	J	2300	450	ug/Kg	10	☒	8270D	Total/NA
Acenaphthene	4400		2300	330	ug/Kg	10	☒	8270D	Total/NA
Acenaphthylene	1700	J	2300	290	ug/Kg	10	☒	8270D	Total/NA
Anthracene	12000		2300	560	ug/Kg	10	☒	8270D	Total/NA
Benzo[a]anthracene	23000		2300	230	ug/Kg	10	☒	8270D	Total/NA
Benzo[a]pyrene	18000		2300	330	ug/Kg	10	☒	8270D	Total/NA
Benzo[b]fluoranthene	23000		2300	360	ug/Kg	10	☒	8270D	Total/NA
Benzo[g,h,i]perylene	9400		2300	240	ug/Kg	10	☒	8270D	Total/NA
Benzo[k]fluoranthene	8200		2300	290	ug/Kg	10	☒	8270D	Total/NA
Carbazole	5500		2300	270	ug/Kg	10	☒	8270D	Total/NA
Chrysene	20000		2300	510	ug/Kg	10	☒	8270D	Total/NA
Dibenzofuran	3800		2300	270	ug/Kg	10	☒	8270D	Total/NA
Fluoranthene	51000		2300	240	ug/Kg	10	☒	8270D	Total/NA
Fluorene	6100		2300	270	ug/Kg	10	☒	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	8800		2300	280	ug/Kg	10	☒	8270D	Total/NA
Naphthalene	2400		2300	290	ug/Kg	10	☒	8270D	Total/NA
Phenanthrene	49000		2300	330	ug/Kg	10	☒	8270D	Total/NA
Pyrene	36000		2300	270	ug/Kg	10	☒	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

# Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86308-1

## Client Sample ID: CSW-37

## Lab Sample ID: 480-86308-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	450	J	1100	160	ug/Kg	5	✱	8270D	Total/NA
Acenaphthylene	200	J	1100	140	ug/Kg	5	✱	8270D	Total/NA
Anthracene	1400		1100	270	ug/Kg	5	✱	8270D	Total/NA
Benzo[a]anthracene	3400		1100	110	ug/Kg	5	✱	8270D	Total/NA
Benzo[a]pyrene	3800		1100	160	ug/Kg	5	✱	8270D	Total/NA
Benzo[b]fluoranthene	4500		1100	170	ug/Kg	5	✱	8270D	Total/NA
Benzo[g,h,i]perylene	2000		1100	120	ug/Kg	5	✱	8270D	Total/NA
Benzo[k]fluoranthene	2400		1100	140	ug/Kg	5	✱	8270D	Total/NA
Carbazole	680	J	1100	130	ug/Kg	5	✱	8270D	Total/NA
Chrysene	3500		1100	240	ug/Kg	5	✱	8270D	Total/NA
Dibenzofuran	410	J	1100	130	ug/Kg	5	✱	8270D	Total/NA
Fluoranthene	6500		1100	120	ug/Kg	5	✱	8270D	Total/NA
Fluorene	530	J	1100	130	ug/Kg	5	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	1800		1100	130	ug/Kg	5	✱	8270D	Total/NA
Phenanthrene	5800		1100	160	ug/Kg	5	✱	8270D	Total/NA
Pyrene	4800		1100	130	ug/Kg	5	✱	8270D	Total/NA

## Client Sample ID: CSW-38

## Lab Sample ID: 480-86308-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	240	J	1100	170	ug/Kg	5	✱	8270D	Total/NA
Acenaphthylene	280	J	1100	150	ug/Kg	5	✱	8270D	Total/NA
Anthracene	830	J	1100	280	ug/Kg	5	✱	8270D	Total/NA
Benzo[a]anthracene	3000		1100	110	ug/Kg	5	✱	8270D	Total/NA
Benzo[a]pyrene	2700		1100	170	ug/Kg	5	✱	8270D	Total/NA
Benzo[b]fluoranthene	3500		1100	180	ug/Kg	5	✱	8270D	Total/NA
Benzo[g,h,i]perylene	1400		1100	120	ug/Kg	5	✱	8270D	Total/NA
Benzo[k]fluoranthene	1800		1100	150	ug/Kg	5	✱	8270D	Total/NA
Carbazole	430	J	1100	130	ug/Kg	5	✱	8270D	Total/NA
Chrysene	3000		1100	250	ug/Kg	5	✱	8270D	Total/NA
Dibenzofuran	160	J	1100	130	ug/Kg	5	✱	8270D	Total/NA
Fluoranthene	6300		1100	120	ug/Kg	5	✱	8270D	Total/NA
Fluorene	260	J	1100	130	ug/Kg	5	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	1400		1100	140	ug/Kg	5	✱	8270D	Total/NA
Phenanthrene	3500		1100	170	ug/Kg	5	✱	8270D	Total/NA
Pyrene	4200		1100	130	ug/Kg	5	✱	8270D	Total/NA

## Client Sample ID: CSW-39

## Lab Sample ID: 480-86308-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	230	J	1000	210	ug/Kg	5	✱	8270D	Total/NA
Acenaphthene	280	J	1000	150	ug/Kg	5	✱	8270D	Total/NA
Acenaphthylene	230	J	1000	130	ug/Kg	5	✱	8270D	Total/NA
Anthracene	1300		1000	250	ug/Kg	5	✱	8270D	Total/NA
Benzo[a]anthracene	2800		1000	100	ug/Kg	5	✱	8270D	Total/NA
Benzo[a]pyrene	2500		1000	150	ug/Kg	5	✱	8270D	Total/NA
Benzo[b]fluoranthene	3000		1000	160	ug/Kg	5	✱	8270D	Total/NA
Benzo[g,h,i]perylene	1000		1000	110	ug/Kg	5	✱	8270D	Total/NA
Benzo[k]fluoranthene	1800		1000	130	ug/Kg	5	✱	8270D	Total/NA
Carbazole	630	J	1000	120	ug/Kg	5	✱	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo



# Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86308-1

## Client Sample ID: CSW-39 (Continued)

## Lab Sample ID: 480-86308-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chrysene	2900		1000	230	ug/Kg	5	✱	8270D	Total/NA
Dibenzofuran	350	J	1000	120	ug/Kg	5	✱	8270D	Total/NA
Fluoranthene	6400		1000	110	ug/Kg	5	✱	8270D	Total/NA
Fluorene	450	J	1000	120	ug/Kg	5	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	1100		1000	130	ug/Kg	5	✱	8270D	Total/NA
Naphthalene	320	J	1000	130	ug/Kg	5	✱	8270D	Total/NA
Phenanthrene	5100		1000	150	ug/Kg	5	✱	8270D	Total/NA
Pyrene	3700		1000	120	ug/Kg	5	✱	8270D	Total/NA

## Client Sample ID: CSW-40

## Lab Sample ID: 480-86308-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	760	J	2100	310	ug/Kg	10	✱	8270D	Total/NA
Acenaphthylene	1000	J F1	2100	270	ug/Kg	10	✱	8270D	Total/NA
Anthracene	4000	F1	2100	510	ug/Kg	10	✱	8270D	Total/NA
Benzo[a]anthracene	8900		2100	210	ug/Kg	10	✱	8270D	Total/NA
Benzo[a]pyrene	8000	F1	2100	310	ug/Kg	10	✱	8270D	Total/NA
Benzo[b]fluoranthene	9300	F2	2100	330	ug/Kg	10	✱	8270D	Total/NA
Benzo[g,h,i]perylene	4600	F1	2100	220	ug/Kg	10	✱	8270D	Total/NA
Benzo[k]fluoranthene	3600	F1	2100	270	ug/Kg	10	✱	8270D	Total/NA
Carbazole	960	J F1	2100	240	ug/Kg	10	✱	8270D	Total/NA
Chrysene	9100		2100	470	ug/Kg	10	✱	8270D	Total/NA
Dibenzofuran	930	J F1	2100	240	ug/Kg	10	✱	8270D	Total/NA
Fluoranthene	24000	F2	2100	220	ug/Kg	10	✱	8270D	Total/NA
Fluorene	1600	J F2 F1	2100	240	ug/Kg	10	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	4100	F1	2100	260	ug/Kg	10	✱	8270D	Total/NA
Phenanthrene	20000	F2	2100	310	ug/Kg	10	✱	8270D	Total/NA
Pyrene	17000		2100	240	ug/Kg	10	✱	8270D	Total/NA

## Client Sample ID: CSW-41

## Lab Sample ID: 480-86308-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	920	J	4100	830	ug/Kg	20	✱	8270D	Total/NA
Acenaphthene	2700	J	4100	610	ug/Kg	20	✱	8270D	Total/NA
Acenaphthylene	3800	J	4100	540	ug/Kg	20	✱	8270D	Total/NA
Anthracene	17000		4100	1000	ug/Kg	20	✱	8270D	Total/NA
Benzo[a]anthracene	40000		4100	410	ug/Kg	20	✱	8270D	Total/NA
Benzo[a]pyrene	31000		4100	610	ug/Kg	20	✱	8270D	Total/NA
Benzo[b]fluoranthene	43000		4100	660	ug/Kg	20	✱	8270D	Total/NA
Benzo[g,h,i]perylene	10000		4100	440	ug/Kg	20	✱	8270D	Total/NA
Benzo[k]fluoranthene	20000		4100	540	ug/Kg	20	✱	8270D	Total/NA
Carbazole	4900		4100	490	ug/Kg	20	✱	8270D	Total/NA
Chrysene	38000		4100	930	ug/Kg	20	✱	8270D	Total/NA
Dibenzofuran	4400		4100	490	ug/Kg	20	✱	8270D	Total/NA
Fluoranthene	110000	E	4100	440	ug/Kg	20	✱	8270D	Total/NA
Fluorene	7500		4100	490	ug/Kg	20	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	11000		4100	510	ug/Kg	20	✱	8270D	Total/NA
Phenanthrene	77000		4100	610	ug/Kg	20	✱	8270D	Total/NA
Pyrene	57000		4100	490	ug/Kg	20	✱	8270D	Total/NA
Acenaphthene - DL	2600	J	10000	1500	ug/Kg	50	✱	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

# Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86308-1

## Client Sample ID: CSW-41 (Continued)

## Lab Sample ID: 480-86308-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Acenaphthylene - DL	2000	J	10000	1300	ug/Kg	50		✖	8270D	Total/NA
Anthracene - DL	15000		10000	2600	ug/Kg	50		✖	8270D	Total/NA
Benzo[a]anthracene - DL	38000		10000	1000	ug/Kg	50		✖	8270D	Total/NA
Benzo[a]pyrene - DL	31000		10000	1500	ug/Kg	50		✖	8270D	Total/NA
Benzo[b]fluoranthene - DL	40000		10000	1600	ug/Kg	50		✖	8270D	Total/NA
Benzo[g,h,i]perylene - DL	23000		10000	1100	ug/Kg	50		✖	8270D	Total/NA
Benzo[k]fluoranthene - DL	19000		10000	1300	ug/Kg	50		✖	8270D	Total/NA
Carbazole - DL	4200	J	10000	1200	ug/Kg	50		✖	8270D	Total/NA
Chrysene - DL	36000		10000	2300	ug/Kg	50		✖	8270D	Total/NA
Dibenzofuran - DL	4200	J	10000	1200	ug/Kg	50		✖	8270D	Total/NA
Fluoranthene - DL	91000		10000	1100	ug/Kg	50		✖	8270D	Total/NA
Fluorene - DL	6900	J	10000	1200	ug/Kg	50		✖	8270D	Total/NA
Indeno[1,2,3-cd]pyrene - DL	20000		10000	1300	ug/Kg	50		✖	8270D	Total/NA
Phenanthrene - DL	72000		10000	1500	ug/Kg	50		✖	8270D	Total/NA
Pyrene - DL	61000		10000	1200	ug/Kg	50		✖	8270D	Total/NA

## Client Sample ID: CSW-42

## Lab Sample ID: 480-86308-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzo[a]anthracene	2500	J	4500	450	ug/Kg	20		✖	8270D	Total/NA
Benzo[a]pyrene	2300	J	4500	660	ug/Kg	20		✖	8270D	Total/NA
Benzo[b]fluoranthene	3100	J	4500	710	ug/Kg	20		✖	8270D	Total/NA
Benzo[g,h,i]perylene	1500	J	4500	480	ug/Kg	20		✖	8270D	Total/NA
Benzo[k]fluoranthene	1400	J	4500	580	ug/Kg	20		✖	8270D	Total/NA
Chrysene	2600	J	4500	1000	ug/Kg	20		✖	8270D	Total/NA
Fluoranthene	5400		4500	480	ug/Kg	20		✖	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	1200	J	4500	560	ug/Kg	20		✖	8270D	Total/NA
Phenanthrene	3100	J	4500	660	ug/Kg	20		✖	8270D	Total/NA
Pyrene	3400	J	4500	530	ug/Kg	20		✖	8270D	Total/NA

## Client Sample ID: CSW-43

## Lab Sample ID: 480-86308-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Acenaphthylene	690	J	4500	580	ug/Kg	20		✖	8270D	Total/NA
Anthracene	1700	J	4500	1100	ug/Kg	20		✖	8270D	Total/NA
Benzo[a]anthracene	10000		4500	450	ug/Kg	20		✖	8270D	Total/NA
Benzo[a]pyrene	9000		4500	660	ug/Kg	20		✖	8270D	Total/NA
Benzo[b]fluoranthene	12000		4500	710	ug/Kg	20		✖	8270D	Total/NA
Benzo[g,h,i]perylene	3400	J	4500	470	ug/Kg	20		✖	8270D	Total/NA
Benzo[k]fluoranthene	6500		4500	580	ug/Kg	20		✖	8270D	Total/NA
Chrysene	10000		4500	1000	ug/Kg	20		✖	8270D	Total/NA
Fluoranthene	17000		4500	470	ug/Kg	20		✖	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	3700	J	4500	550	ug/Kg	20		✖	8270D	Total/NA
Phenanthrene	5900		4500	660	ug/Kg	20		✖	8270D	Total/NA
Pyrene	11000		4500	530	ug/Kg	20		✖	8270D	Total/NA

## Client Sample ID: CSB-9

## Lab Sample ID: 480-86308-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Fluoranthene	830	J	4900	520	ug/Kg	20		✖	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo



# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-86308-1

## Client Sample ID: CSW-32

Date Collected: 08/27/15 13:00

Date Received: 08/27/15 16:40

## Lab Sample ID: 480-86308-1

Matrix: Solid

Percent Solids: 77.2

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2070		1.3	0.30	mg/Kg	☼	08/28/15 13:15	08/31/15 09:15	1

## Client Sample ID: CSW-33

Date Collected: 08/27/15 13:00

Date Received: 08/27/15 16:40

## Lab Sample ID: 480-86308-2

Matrix: Solid

Percent Solids: 75.2

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1100		1.4	0.34	mg/Kg	☼	08/28/15 13:15	08/31/15 09:18	1

## Client Sample ID: CSW-34

Date Collected: 08/27/15 13:00

Date Received: 08/27/15 16:40

## Lab Sample ID: 480-86308-3

Matrix: Solid

Percent Solids: 81.1

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1690		1.2	0.28	mg/Kg	☼	08/28/15 13:15	08/31/15 09:33	1

## Client Sample ID: CSW-35

Date Collected: 08/27/15 13:00

Date Received: 08/27/15 16:40

## Lab Sample ID: 480-86308-4

Matrix: Solid

Percent Solids: 79.8

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2660	F2	1.3	0.31	mg/Kg	☼	08/28/15 13:15	08/31/15 09:36	1

## Client Sample ID: CSB-8

Date Collected: 08/27/15 13:00

Date Received: 08/27/15 16:40

## Lab Sample ID: 480-86308-5

Matrix: Solid

Percent Solids: 64.4

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	865		1.5	0.36	mg/Kg	☼	08/28/15 13:15	08/31/15 09:51	1

## Client Sample ID: ERB-3

Date Collected: 08/27/15 14:00

Date Received: 08/27/15 16:40

## Lab Sample ID: 480-86308-6

Matrix: Water

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.015		0.010	0.0030	mg/L		08/31/15 08:05	09/01/15 11:16	1

## Client Sample ID: CSW-36

Date Collected: 08/27/15 14:15

Date Received: 08/27/15 16:40

## Lab Sample ID: 480-86308-7

Matrix: Solid

Percent Solids: 73.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	430	J	2300	330	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
bis (2-chloroisopropyl) ether	ND		2300	450	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
2,4,5-Trichlorophenol	ND		2300	610	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86308-1

**Client Sample ID: CSW-36**

**Date Collected: 08/27/15 14:15**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-7**

**Matrix: Solid**

**Percent Solids: 73.8**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		2300	450	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
2,4-Dichlorophenol	ND		2300	240	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
2,4-Dimethylphenol	ND		2300	550	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
2,4-Dinitrophenol	ND		22000	10000	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
2,4-Dinitrotoluene	ND		2300	470	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
2,6-Dinitrotoluene	ND		2300	270	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
2-Chloronaphthalene	ND		2300	370	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
2-Chlorophenol	ND		2300	410	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
2-Methylphenol	ND		2300	270	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
<b>2-Methylnaphthalene</b>	<b>1400</b>	<b>J</b>	2300	450	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
2-Nitroaniline	ND		4400	330	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
2-Nitrophenol	ND		2300	640	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
3,3'-Dichlorobenzidine	ND		4400	2700	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
3-Nitroaniline	ND		4400	630	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
4,6-Dinitro-2-methylphenol	ND		4400	2300	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
4-Bromophenyl phenyl ether	ND		2300	320	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
4-Chloro-3-methylphenol	ND		2300	560	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
4-Chloroaniline	ND		2300	560	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
4-Chlorophenyl phenyl ether	ND		2300	280	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
4-Methylphenol	ND		4400	270	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
4-Nitroaniline	ND *		4400	1200	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
4-Nitrophenol	ND		4400	1600	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
<b>Acenaphthene</b>	<b>4400</b>		2300	330	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
<b>Acenaphthylene</b>	<b>1700</b>	<b>J</b>	2300	290	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
Acetophenone	ND		2300	310	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
<b>Anthracene</b>	<b>12000</b>		2300	560	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
Atrazine	ND *		2300	790	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
Benzaldehyde	ND *		2300	1800	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
<b>Benzo[a]anthracene</b>	<b>23000</b>		2300	230	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
<b>Benzo[a]pyrene</b>	<b>18000</b>		2300	330	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
<b>Benzo[b]fluoranthene</b>	<b>23000</b>		2300	360	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
<b>Benzo[g,h,i]perylene</b>	<b>9400</b>		2300	240	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
<b>Benzo[k]fluoranthene</b>	<b>8200</b>		2300	290	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
Bis(2-chloroethoxy)methane	ND		2300	480	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
Bis(2-chloroethyl)ether	ND		2300	290	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
Bis(2-ethylhexyl) phthalate	ND		2300	770	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
Butyl benzyl phthalate	ND		2300	370	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
Caprolactam	ND		2300	680	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
<b>Carbazole</b>	<b>5500</b>		2300	270	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
<b>Chrysene</b>	<b>20000</b>		2300	510	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
Dibenz(a,h)anthracene	ND		2300	400	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
Di-n-butyl phthalate	ND		2300	390	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
Di-n-octyl phthalate	ND		2300	270	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
<b>Dibenzofuran</b>	<b>3800</b>		2300	270	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
Diethyl phthalate	ND		2300	290	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
Dimethyl phthalate	ND		2300	270	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
<b>Fluoranthene</b>	<b>51000</b>		2300	240	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
<b>Fluorene</b>	<b>6100</b>		2300	270	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
Hexachlorobenzene	ND		2300	310	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86308-1

**Client Sample ID: CSW-36**

**Date Collected: 08/27/15 14:15**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-7**

**Matrix: Solid**

**Percent Solids: 73.8**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		2300	330	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
Hexachlorocyclopentadiene	ND		2300	310	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
Hexachloroethane	ND		2300	290	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
<b>Indeno[1,2,3-cd]pyrene</b>	<b>8800</b>		2300	280	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
Isophorone	ND		2300	480	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
N-Nitrosodi-n-propylamine	ND		2300	390	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
N-Nitrosodiphenylamine	ND		2300	1800	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
<b>Naphthalene</b>	<b>2400</b>		2300	290	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
Nitrobenzene	ND		2300	250	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
Pentachlorophenol	ND		4400	2300	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
<b>Phenanthrene</b>	<b>49000</b>		2300	330	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
Phenol	ND		2300	350	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10
<b>Pyrene</b>	<b>36000</b>		2300	270	ug/Kg	☼	09/01/15 08:11	09/04/15 13:06	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	66		34 - 132	09/01/15 08:11	09/04/15 13:06	10
Phenol-d5 (Surr)	74		11 - 120	09/01/15 08:11	09/04/15 13:06	10
p-Terphenyl-d14 (Surr)	64	X	65 - 153	09/01/15 08:11	09/04/15 13:06	10
2,4,6-Tribromophenol (Surr)	89		39 - 146	09/01/15 08:11	09/04/15 13:06	10
2-Fluorobiphenyl	74		37 - 120	09/01/15 08:11	09/04/15 13:06	10
2-Fluorophenol (Surr)	68		18 - 120	09/01/15 08:11	09/04/15 13:06	10

**Client Sample ID: CSW-37**

**Date Collected: 08/27/15 14:15**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-8**

**Matrix: Solid**

**Percent Solids: 77.1**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		1100	160	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
bis (2-chloroisopropyl) ether	ND		1100	220	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
2,4,5-Trichlorophenol	ND		1100	290	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
2,4,6-Trichlorophenol	ND		1100	220	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
2,4-Dichlorophenol	ND		1100	120	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
2,4-Dimethylphenol	ND		1100	260	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
2,4-Dinitrophenol	ND		11000	5000	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
2,4-Dinitrotoluene	ND		1100	220	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
2,6-Dinitrotoluene	ND		1100	130	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
2-Chloronaphthalene	ND		1100	180	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
2-Chlorophenol	ND		1100	200	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
2-Methylphenol	ND		1100	130	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
2-Methylnaphthalene	ND		1100	220	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
2-Nitroaniline	ND		2100	160	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
2-Nitrophenol	ND		1100	310	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
3,3'-Dichlorobenzidine	ND		2100	1300	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
3-Nitroaniline	ND		2100	300	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
4,6-Dinitro-2-methylphenol	ND		2100	1100	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
4-Bromophenyl phenyl ether	ND		1100	150	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
4-Chloro-3-methylphenol	ND		1100	270	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
4-Chloroaniline	ND		1100	270	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
4-Chlorophenyl phenyl ether	ND		1100	130	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86308-1

**Client Sample ID: CSW-37**

**Date Collected: 08/27/15 14:15**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-8**

**Matrix: Solid**

**Percent Solids: 77.1**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methylphenol	ND		2100	130	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
4-Nitroaniline	ND	*	2100	570	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
4-Nitrophenol	ND		2100	760	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
Acenaphthene	450	J	1100	160	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
Acenaphthylene	200	J	1100	140	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
Acetophenone	ND		1100	150	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
Anthracene	1400		1100	270	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
Atrazine	ND	*	1100	380	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
Benzaldehyde	ND	*	1100	860	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
Benzo[a]anthracene	3400		1100	110	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
Benzo[a]pyrene	3800		1100	160	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
Benzo[b]fluoranthene	4500		1100	170	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
Benzo[g,h,i]perylene	2000		1100	120	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
Benzo[k]fluoranthene	2400		1100	140	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
Bis(2-chloroethoxy)methane	ND		1100	230	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
Bis(2-chloroethyl)ether	ND		1100	140	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
Bis(2-ethylhexyl) phthalate	ND		1100	370	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
Butyl benzyl phthalate	ND		1100	180	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
Caprolactam	ND		1100	330	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
Carbazole	680	J	1100	130	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
Chrysene	3500		1100	240	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
Dibenz(a,h)anthracene	ND		1100	190	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
Di-n-butyl phthalate	ND		1100	190	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
Di-n-octyl phthalate	ND		1100	130	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
Dibenzofuran	410	J	1100	130	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
Diethyl phthalate	ND		1100	140	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
Dimethyl phthalate	ND		1100	130	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
Fluoranthene	6500		1100	120	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
Fluorene	530	J	1100	130	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
Hexachlorobenzene	ND		1100	150	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
Hexachlorobutadiene	ND		1100	160	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
Hexachlorocyclopentadiene	ND		1100	150	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
Hexachloroethane	ND		1100	140	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
Indeno[1,2,3-cd]pyrene	1800		1100	130	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
Isophorone	ND		1100	230	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
N-Nitrosodi-n-propylamine	ND		1100	190	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
N-Nitrosodiphenylamine	ND		1100	880	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
Naphthalene	ND		1100	140	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
Nitrobenzene	ND		1100	120	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
Pentachlorophenol	ND		2100	1100	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
Phenanthrene	5800		1100	160	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
Phenol	ND		1100	170	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5
Pyrene	4800		1100	130	ug/Kg	☼	09/01/15 08:11	09/04/15 13:33	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	86		34 - 132	09/01/15 08:11	09/04/15 13:33	5
Phenol-d5 (Surr)	83		11 - 120	09/01/15 08:11	09/04/15 13:33	5
p-Terphenyl-d14 (Surr)	70		65 - 153	09/01/15 08:11	09/04/15 13:33	5
2,4,6-Tribromophenol (Surr)	92		39 - 146	09/01/15 08:11	09/04/15 13:33	5
2-Fluorobiphenyl	80		37 - 120	09/01/15 08:11	09/04/15 13:33	5

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86308-1

**Client Sample ID: CSW-37**

**Date Collected: 08/27/15 14:15**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-8**

**Matrix: Solid**

**Percent Solids: 77.1**

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	89		18 - 120	09/01/15 08:11	09/04/15 13:33	5

**Client Sample ID: CSW-38**

**Date Collected: 08/27/15 14:15**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-9**

**Matrix: Solid**

**Percent Solids: 74.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		1100	170	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
bis (2-chloroisopropyl) ether	ND		1100	230	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
2,4,5-Trichlorophenol	ND		1100	310	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
2,4,6-Trichlorophenol	ND		1100	230	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
2,4-Dichlorophenol	ND		1100	120	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
2,4-Dimethylphenol	ND		1100	270	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
2,4-Dinitrophenol	ND		11000	5200	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
2,4-Dinitrotoluene	ND		1100	230	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
2,6-Dinitrotoluene	ND		1100	130	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
2-Chloronaphthalene	ND		1100	190	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
2-Chlorophenol	ND		1100	210	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
2-Methylphenol	ND		1100	130	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
2-Methylnaphthalene	ND		1100	230	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
2-Nitroaniline	ND		2200	170	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
2-Nitrophenol	ND		1100	320	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
3,3'-Dichlorobenzidine	ND		2200	1300	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
3-Nitroaniline	ND		2200	310	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
4,6-Dinitro-2-methylphenol	ND		2200	1100	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
4-Bromophenyl phenyl ether	ND		1100	160	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
4-Chloro-3-methylphenol	ND		1100	280	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
4-Chloroaniline	ND		1100	280	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
4-Chlorophenyl phenyl ether	ND		1100	140	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
4-Methylphenol	ND		2200	130	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
4-Nitroaniline	ND *		2200	590	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
4-Nitrophenol	ND		2200	800	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
<b>Acenaphthene</b>	<b>240</b>	<b>J</b>	1100	170	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
<b>Acenaphthylene</b>	<b>280</b>	<b>J</b>	1100	150	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
Acetophenone	ND		1100	150	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
<b>Anthracene</b>	<b>830</b>	<b>J</b>	1100	280	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
Atrazine	ND *		1100	390	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
Benzaldehyde	ND *		1100	900	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
<b>Benzo[a]anthracene</b>	<b>3000</b>		1100	110	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
<b>Benzo[a]pyrene</b>	<b>2700</b>		1100	170	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
<b>Benzo[b]fluoranthene</b>	<b>3500</b>		1100	180	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
<b>Benzo[g,h,i]perylene</b>	<b>1400</b>		1100	120	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
<b>Benzo[k]fluoranthene</b>	<b>1800</b>		1100	150	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
Bis(2-chloroethoxy)methane	ND		1100	240	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
Bis(2-chloroethyl)ether	ND		1100	150	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
Bis(2-ethylhexyl) phthalate	ND		1100	390	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
Butyl benzyl phthalate	ND		1100	190	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
Caprolactam	ND		1100	340	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5

TestAmerica Buffalo



# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86308-1

**Client Sample ID: CSW-38**

**Date Collected: 08/27/15 14:15**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-9**

**Matrix: Solid**

**Percent Solids: 74.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbazole	430	J	1100	130	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
Chrysene	3000		1100	250	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
Dibenz(a,h)anthracene	ND		1100	200	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
Di-n-butyl phthalate	ND		1100	190	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
Di-n-octyl phthalate	ND		1100	130	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
Dibenzofuran	160	J	1100	130	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
Diethyl phthalate	ND		1100	150	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
Dimethyl phthalate	ND		1100	130	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
Fluoranthene	6300		1100	120	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
Fluorene	260	J	1100	130	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
Hexachlorobenzene	ND		1100	150	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
Hexachlorobutadiene	ND		1100	170	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
Hexachlorocyclopentadiene	ND		1100	150	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
Hexachloroethane	ND		1100	150	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
Indeno[1,2,3-cd]pyrene	1400		1100	140	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
Isophorone	ND		1100	240	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
N-Nitrosodi-n-propylamine	ND		1100	190	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
N-Nitrosodiphenylamine	ND		1100	920	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
Naphthalene	ND		1100	150	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
Nitrobenzene	ND		1100	130	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
Pentachlorophenol	ND		2200	1100	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
Phenanthrene	3500		1100	170	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
Phenol	ND		1100	170	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5
Pyrene	4200		1100	130	ug/Kg	☼	09/01/15 08:11	09/04/15 14:25	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	71		34 - 132	09/01/15 08:11	09/04/15 14:25	5
Phenol-d5 (Surr)	67		11 - 120	09/01/15 08:11	09/04/15 14:25	5
p-Terphenyl-d14 (Surr)	66		65 - 153	09/01/15 08:11	09/04/15 14:25	5
2,4,6-Tribromophenol (Surr)	90		39 - 146	09/01/15 08:11	09/04/15 14:25	5
2-Fluorobiphenyl	74		37 - 120	09/01/15 08:11	09/04/15 14:25	5
2-Fluorophenol (Surr)	63		18 - 120	09/01/15 08:11	09/04/15 14:25	5

**Client Sample ID: CSW-39**

**Date Collected: 08/27/15 14:15**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-10**

**Matrix: Solid**

**Percent Solids: 80.6**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		1000	150	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
bis (2-chloroisopropyl) ether	ND		1000	210	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
2,4,5-Trichlorophenol	ND		1000	280	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
2,4,6-Trichlorophenol	ND		1000	210	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
2,4-Dichlorophenol	ND		1000	110	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
2,4-Dimethylphenol	ND		1000	250	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
2,4-Dinitrophenol	ND		10000	4700	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
2,4-Dinitrotoluene	ND		1000	210	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
2,6-Dinitrotoluene	ND		1000	120	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
2-Chloronaphthalene	ND		1000	170	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
2-Chlorophenol	ND		1000	190	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86308-1

**Client Sample ID: CSW-39**

**Date Collected: 08/27/15 14:15**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-10**

**Matrix: Solid**

**Percent Solids: 80.6**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		1000	120	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
<b>2-Methylnaphthalene</b>	<b>230</b>	<b>J</b>	1000	210	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
2-Nitroaniline	ND		2000	150	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
2-Nitrophenol	ND		1000	290	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
3,3'-Dichlorobenzidine	ND		2000	1200	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
3-Nitroaniline	ND		2000	280	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
4,6-Dinitro-2-methylphenol	ND		2000	1000	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
4-Bromophenyl phenyl ether	ND		1000	150	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
4-Chloro-3-methylphenol	ND		1000	250	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
4-Chloroaniline	ND		1000	250	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
4-Chlorophenyl phenyl ether	ND		1000	130	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
4-Methylphenol	ND		2000	120	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
4-Nitroaniline	ND *		2000	540	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
4-Nitrophenol	ND		2000	720	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
<b>Acenaphthene</b>	<b>280</b>	<b>J</b>	1000	150	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
<b>Acenaphthylene</b>	<b>230</b>	<b>J</b>	1000	130	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
Acetophenone	ND		1000	140	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
<b>Anthracene</b>	<b>1300</b>		1000	250	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
Atrazine	ND *		1000	360	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
Benzaldehyde	ND *		1000	820	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
<b>Benzo[a]anthracene</b>	<b>2800</b>		1000	100	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
<b>Benzo[a]pyrene</b>	<b>2500</b>		1000	150	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
<b>Benzo[b]fluoranthene</b>	<b>3000</b>		1000	160	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
<b>Benzo[g,h,i]perylene</b>	<b>1000</b>		1000	110	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
<b>Benzo[k]fluoranthene</b>	<b>1800</b>		1000	130	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
Bis(2-chloroethoxy)methane	ND		1000	220	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
Bis(2-chloroethyl)ether	ND		1000	130	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
Bis(2-ethylhexyl) phthalate	ND		1000	350	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
Butyl benzyl phthalate	ND		1000	170	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
Caprolactam	ND		1000	310	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
<b>Carbazole</b>	<b>630</b>	<b>J</b>	1000	120	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
<b>Chrysene</b>	<b>2900</b>		1000	230	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
Dibenz(a,h)anthracene	ND		1000	180	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
Di-n-butyl phthalate	ND		1000	180	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
Di-n-octyl phthalate	ND		1000	120	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
<b>Dibenzofuran</b>	<b>350</b>	<b>J</b>	1000	120	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
Diethyl phthalate	ND		1000	130	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
Dimethyl phthalate	ND		1000	120	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
<b>Fluoranthene</b>	<b>6400</b>		1000	110	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
<b>Fluorene</b>	<b>450</b>	<b>J</b>	1000	120	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
Hexachlorobenzene	ND		1000	140	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
Hexachlorobutadiene	ND		1000	150	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
Hexachlorocyclopentadiene	ND		1000	140	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
Hexachloroethane	ND		1000	130	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
<b>Indeno[1,2,3-cd]pyrene</b>	<b>1100</b>		1000	130	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
Isophorone	ND		1000	220	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
N-Nitrosodi-n-propylamine	ND		1000	180	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
N-Nitrosodiphenylamine	ND		1000	840	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
<b>Naphthalene</b>	<b>320</b>	<b>J</b>	1000	130	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5

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# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86308-1

**Client Sample ID: CSW-39**

**Date Collected: 08/27/15 14:15**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-10**

**Matrix: Solid**

**Percent Solids: 80.6**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		1000	110	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
Pentachlorophenol	ND		2000	1000	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
<b>Phenanthrene</b>	<b>5100</b>		1000	150	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
Phenol	ND		1000	160	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5
<b>Pyrene</b>	<b>3700</b>		1000	120	ug/Kg	☼	09/01/15 08:11	09/04/15 14:51	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	74		34 - 132	09/01/15 08:11	09/04/15 14:51	5
Phenol-d5 (Surr)	67		11 - 120	09/01/15 08:11	09/04/15 14:51	5
p-Terphenyl-d14 (Surr)	59	X	65 - 153	09/01/15 08:11	09/04/15 14:51	5
2,4,6-Tribromophenol (Surr)	89		39 - 146	09/01/15 08:11	09/04/15 14:51	5
2-Fluorobiphenyl	79		37 - 120	09/01/15 08:11	09/04/15 14:51	5
2-Fluorophenol (Surr)	69		18 - 120	09/01/15 08:11	09/04/15 14:51	5

**Client Sample ID: CSW-40**

**Date Collected: 08/27/15 14:15**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-11**

**Matrix: Solid**

**Percent Solids: 80.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		2100	310	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
bis (2-chloroisopropyl) ether	ND		2100	420	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
2,4,5-Trichlorophenol	ND		2100	560	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
2,4,6-Trichlorophenol	ND		2100	420	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
2,4-Dichlorophenol	ND		2100	220	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
2,4-Dimethylphenol	ND		2100	500	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
2,4-Dinitrophenol	ND		20000	9600	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
2,4-Dinitrotoluene	ND		2100	430	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
2,6-Dinitrotoluene	ND		2100	240	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
2-Chloronaphthalene	ND		2100	340	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
2-Chlorophenol	ND		2100	380	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
2-Methylphenol	ND		2100	240	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
2-Methylnaphthalene	ND		2100	420	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
2-Nitroaniline	ND	F2	4000	310	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
2-Nitrophenol	ND		2100	590	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
3,3'-Dichlorobenzidine	ND		4000	2400	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
3-Nitroaniline	ND	F1	4000	580	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
4,6-Dinitro-2-methylphenol	ND		4000	2100	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
4-Bromophenyl phenyl ether	ND		2100	290	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
4-Chloro-3-methylphenol	ND		2100	510	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
4-Chloroaniline	ND		2100	510	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
4-Chlorophenyl phenyl ether	ND		2100	260	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
4-Methylphenol	ND		4000	240	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
4-Nitroaniline	ND	F1 *	4000	1100	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
4-Nitrophenol	ND	F2	4000	1500	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
<b>Acenaphthene</b>	<b>760</b>	<b>J</b>	2100	310	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
<b>Acenaphthylene</b>	<b>1000</b>	<b>J F1</b>	2100	270	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
Acetophenone	ND	F1	2100	280	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
<b>Anthracene</b>	<b>4000</b>	<b>F1</b>	2100	510	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
Atrazine	ND	F1 *	2100	720	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10

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# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86308-1

**Client Sample ID: CSW-40**

**Date Collected: 08/27/15 14:15**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-11**

**Matrix: Solid**

**Percent Solids: 80.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND	F1 *	2100	1700	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
<b>Benzo[a]anthracene</b>	<b>8900</b>		2100	210	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
<b>Benzo[a]pyrene</b>	<b>8000</b>	<b>F1</b>	2100	310	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
<b>Benzo[b]fluoranthene</b>	<b>9300</b>	<b>F2</b>	2100	330	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
<b>Benzo[g,h,i]perylene</b>	<b>4600</b>	<b>F1</b>	2100	220	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
<b>Benzo[k]fluoranthene</b>	<b>3600</b>	<b>F1</b>	2100	270	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
Bis(2-chloroethoxy)methane	ND		2100	440	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
Bis(2-chloroethyl)ether	ND		2100	270	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
Bis(2-ethylhexyl) phthalate	ND		2100	710	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
Butyl benzyl phthalate	ND		2100	340	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
Caprolactam	ND		2100	620	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
<b>Carbazole</b>	<b>960</b>	<b>J F1</b>	2100	240	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
<b>Chrysene</b>	<b>9100</b>		2100	470	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
Dibenz(a,h)anthracene	ND		2100	370	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
Di-n-butyl phthalate	ND		2100	360	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
Di-n-octyl phthalate	ND		2100	240	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
<b>Dibenzofuran</b>	<b>930</b>	<b>J F1</b>	2100	240	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
Diethyl phthalate	ND		2100	270	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
Dimethyl phthalate	ND		2100	240	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
<b>Fluoranthene</b>	<b>24000</b>	<b>F2</b>	2100	220	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
<b>Fluorene</b>	<b>1600</b>	<b>J F2 F1</b>	2100	240	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
Hexachlorobenzene	ND		2100	280	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
Hexachlorobutadiene	ND		2100	310	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
Hexachlorocyclopentadiene	ND	F1	2100	280	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
Hexachloroethane	ND		2100	270	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
<b>Indeno[1,2,3-cd]pyrene</b>	<b>4100</b>	<b>F1</b>	2100	260	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
Isophorone	ND		2100	440	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
N-Nitrosodi-n-propylamine	ND		2100	360	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
N-Nitrosodiphenylamine	ND		2100	1700	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
Naphthalene	ND		2100	270	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
Nitrobenzene	ND		2100	230	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
Pentachlorophenol	ND		4000	2100	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
<b>Phenanthrene</b>	<b>20000</b>	<b>F2</b>	2100	310	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
Phenol	ND		2100	320	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10
<b>Pyrene</b>	<b>17000</b>		2100	240	ug/Kg	☼	09/01/15 08:11	09/04/15 12:40	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	78		34 - 132	09/01/15 08:11	09/04/15 12:40	10
Phenol-d5 (Surr)	69		11 - 120	09/01/15 08:11	09/04/15 12:40	10
p-Terphenyl-d14 (Surr)	63	X	65 - 153	09/01/15 08:11	09/04/15 12:40	10
2,4,6-Tribromophenol (Surr)	101		39 - 146	09/01/15 08:11	09/04/15 12:40	10
2-Fluorobiphenyl	85		37 - 120	09/01/15 08:11	09/04/15 12:40	10
2-Fluorophenol (Surr)	62		18 - 120	09/01/15 08:11	09/04/15 12:40	10

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86308-1

**Client Sample ID: CSW-41**

**Date Collected: 08/27/15 14:15**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-12**

**Matrix: Solid**

**Percent Solids: 80.1**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		4100	610	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
bis (2-chloroisopropyl) ether	ND		4100	830	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
2,4,5-Trichlorophenol	ND		4100	1100	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
2,4,6-Trichlorophenol	ND		4100	830	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
2,4-Dichlorophenol	ND		4100	440	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
2,4-Dimethylphenol	ND		4100	1000	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
2,4-Dinitrophenol	ND		40000	19000	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
2,4-Dinitrotoluene	ND		4100	850	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
2,6-Dinitrotoluene	ND		4100	490	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
2-Chloronaphthalene	ND		4100	680	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
2-Chlorophenol	ND		4100	750	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
2-Methylphenol	ND		4100	490	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
<b>2-Methylnaphthalene</b>	<b>920</b>	<b>J</b>	4100	830	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
2-Nitroaniline	ND		8000	610	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
2-Nitrophenol	ND		4100	1200	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
3,3'-Dichlorobenzidine	ND		8000	4900	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
3-Nitroaniline	ND		8000	1100	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
4,6-Dinitro-2-methylphenol	ND		8000	4100	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
4-Bromophenyl phenyl ether	ND		4100	580	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
4-Chloro-3-methylphenol	ND		4100	1000	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
4-Chloroaniline	ND		4100	1000	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
4-Chlorophenyl phenyl ether	ND		4100	510	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
4-Methylphenol	ND		8000	490	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
4-Nitroaniline	ND *		8000	2200	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
4-Nitrophenol	ND		8000	2900	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
<b>Acenaphthene</b>	<b>2700</b>	<b>J</b>	4100	610	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
<b>Acenaphthylene</b>	<b>3800</b>	<b>J</b>	4100	540	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
Acetophenone	ND		4100	560	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
<b>Anthracene</b>	<b>17000</b>		4100	1000	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
Atrazine	ND *		4100	1400	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
Benzaldehyde	ND *		4100	3300	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
<b>Benzo[a]anthracene</b>	<b>40000</b>		4100	410	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
<b>Benzo[a]pyrene</b>	<b>31000</b>		4100	610	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
<b>Benzo[b]fluoranthene</b>	<b>43000</b>		4100	660	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
<b>Benzo[g,h,i]perylene</b>	<b>10000</b>		4100	440	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
<b>Benzo[k]fluoranthene</b>	<b>20000</b>		4100	540	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
Bis(2-chloroethoxy)methane	ND		4100	880	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
Bis(2-chloroethyl)ether	ND		4100	540	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
Bis(2-ethylhexyl) phthalate	ND		4100	1400	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
Butyl benzyl phthalate	ND		4100	680	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
Caprolactam	ND		4100	1200	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
<b>Carbazole</b>	<b>4900</b>		4100	490	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
<b>Chrysene</b>	<b>38000</b>		4100	930	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
Dibenz(a,h)anthracene	ND		4100	730	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
Di-n-butyl phthalate	ND		4100	710	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
Di-n-octyl phthalate	ND		4100	490	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
<b>Dibenzofuran</b>	<b>4400</b>		4100	490	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
Diethyl phthalate	ND		4100	540	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
Dimethyl phthalate	ND		4100	490	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86308-1

**Client Sample ID: CSW-41**

**Date Collected: 08/27/15 14:15**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-12**

**Matrix: Solid**

**Percent Solids: 80.1**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	110000	E	4100	440	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
Fluorene	7500		4100	490	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
Hexachlorobenzene	ND		4100	560	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
Hexachlorobutadiene	ND		4100	610	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
Hexachlorocyclopentadiene	ND		4100	560	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
Hexachloroethane	ND		4100	540	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
Indeno[1,2,3-cd]pyrene	11000		4100	510	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
Isophorone	ND		4100	880	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
N-Nitrosodi-n-propylamine	ND		4100	710	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
N-Nitrosodiphenylamine	ND		4100	3400	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
Naphthalene	ND		4100	540	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
Nitrobenzene	ND		4100	460	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
Pentachlorophenol	ND		8000	4100	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
Phenanthrene	77000		4100	610	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
Phenol	ND		4100	630	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
Pyrene	57000		4100	490	ug/Kg	☼	09/01/15 08:11	09/04/15 15:18	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	96		34 - 132				09/01/15 08:11	09/04/15 15:18	20
Phenol-d5 (Surr)	73		11 - 120				09/01/15 08:11	09/04/15 15:18	20
p-Terphenyl-d14 (Surr)	72		65 - 153				09/01/15 08:11	09/04/15 15:18	20
2,4,6-Tribromophenol (Surr)	151	X	39 - 146				09/01/15 08:11	09/04/15 15:18	20
2-Fluorobiphenyl	87		37 - 120				09/01/15 08:11	09/04/15 15:18	20
2-Fluorophenol (Surr)	66		18 - 120				09/01/15 08:11	09/04/15 15:18	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		10000	1500	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
bis (2-chloroisopropyl) ether	ND		10000	2100	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
2,4,5-Trichlorophenol	ND		10000	2800	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
2,4,6-Trichlorophenol	ND		10000	2100	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
2,4-Dichlorophenol	ND		10000	1100	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
2,4-Dimethylphenol	ND		10000	2500	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
2,4-Dinitrophenol	ND		100000	48000	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
2,4-Dinitrotoluene	ND		10000	2100	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
2,6-Dinitrotoluene	ND		10000	1200	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
2-Chloronaphthalene	ND		10000	1700	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
2-Chlorophenol	ND		10000	1900	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
2-Methylphenol	ND		10000	1200	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
2-Methylnaphthalene	ND		10000	2100	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
2-Nitroaniline	ND		20000	1500	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
2-Nitrophenol	ND		10000	2900	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
3,3'-Dichlorobenzidine	ND		20000	12000	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
3-Nitroaniline	ND		20000	2900	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
4,6-Dinitro-2-methylphenol	ND		20000	10000	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
4-Bromophenyl phenyl ether	ND		10000	1500	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
4-Chloro-3-methylphenol	ND		10000	2600	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
4-Chloroaniline	ND		10000	2600	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
4-Chlorophenyl phenyl ether	ND		10000	1300	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
4-Methylphenol	ND		20000	1200	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50

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# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86308-1

**Client Sample ID: CSW-41**

**Date Collected: 08/27/15 14:15**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-12**

**Matrix: Solid**

**Percent Solids: 80.1**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND	*	20000	5400	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
4-Nitrophenol	ND		20000	7200	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
Acenaphthene	2600	J	10000	1500	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
Acenaphthylene	2000	J	10000	1300	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
Acetophenone	ND		10000	1400	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
Anthracene	15000		10000	2600	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
Atrazine	ND	*	10000	3600	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
Benzaldehyde	ND	*	10000	8200	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
Benzo[a]anthracene	38000		10000	1000	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
Benzo[a]pyrene	31000		10000	1500	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
Benzo[b]fluoranthene	40000		10000	1600	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
Benzo[g,h,i]perylene	23000		10000	1100	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
Benzo[k]fluoranthene	19000		10000	1300	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
Bis(2-chloroethoxy)methane	ND		10000	2200	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
Bis(2-chloroethyl)ether	ND		10000	1300	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
Bis(2-ethylhexyl) phthalate	ND		10000	3500	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
Butyl benzyl phthalate	ND		10000	1700	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
Caprolactam	ND		10000	3100	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
Carbazole	4200	J	10000	1200	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
Chrysene	36000		10000	2300	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
Dibenz(a,h)anthracene	ND		10000	1800	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
Di-n-butyl phthalate	ND		10000	1800	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
Di-n-octyl phthalate	ND		10000	1200	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
Dibenzofuran	4200	J	10000	1200	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
Diethyl phthalate	ND		10000	1300	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
Dimethyl phthalate	ND		10000	1200	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
Fluoranthene	91000		10000	1100	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
Fluorene	6900	J	10000	1200	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
Hexachlorobenzene	ND		10000	1400	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
Hexachlorobutadiene	ND		10000	1500	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
Hexachlorocyclopentadiene	ND		10000	1400	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
Hexachloroethane	ND		10000	1300	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
Indeno[1,2,3-cd]pyrene	20000		10000	1300	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
Isophorone	ND		10000	2200	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
N-Nitrosodi-n-propylamine	ND		10000	1800	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
N-Nitrosodiphenylamine	ND		10000	8400	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
Naphthalene	ND		10000	1300	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
Nitrobenzene	ND		10000	1200	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
Pentachlorophenol	ND		20000	10000	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
Phenanthrene	72000		10000	1500	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
Phenol	ND		10000	1600	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50
Pyrene	61000		10000	1200	ug/Kg	☼	09/01/15 08:11	09/08/15 09:37	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	60		34 - 132	09/01/15 08:11	09/08/15 09:37	50
Phenol-d5 (Surr)	59		11 - 120	09/01/15 08:11	09/08/15 09:37	50
p-Terphenyl-d14 (Surr)	74		65 - 153	09/01/15 08:11	09/08/15 09:37	50
2,4,6-Tribromophenol (Surr)	0	X	39 - 146	09/01/15 08:11	09/08/15 09:37	50
2-Fluorobiphenyl	81		37 - 120	09/01/15 08:11	09/08/15 09:37	50
2-Fluorophenol (Surr)	67		18 - 120	09/01/15 08:11	09/08/15 09:37	50

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# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86308-1

**Client Sample ID: CSW-42**

**Date Collected: 08/27/15 14:45**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-13**

**Matrix: Solid**

**Percent Solids: 74.0**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		4500	660	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
bis (2-chloroisopropyl) ether	ND		4500	900	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
2,4,5-Trichlorophenol	ND		4500	1200	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
2,4,6-Trichlorophenol	ND		4500	900	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
2,4-Dichlorophenol	ND		4500	480	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
2,4-Dimethylphenol	ND		4500	1100	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
2,4-Dinitrophenol	ND		44000	21000	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
2,4-Dinitrotoluene	ND		4500	930	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
2,6-Dinitrotoluene	ND		4500	530	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
2-Chloronaphthalene	ND		4500	740	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
2-Chlorophenol	ND		4500	820	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
2-Methylphenol	ND		4500	530	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
2-Methylnaphthalene	ND		4500	900	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
2-Nitroaniline	ND		8700	660	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
2-Nitrophenol	ND		4500	1300	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
3,3'-Dichlorobenzidine	ND		8700	5300	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
3-Nitroaniline	ND		8700	1200	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
4,6-Dinitro-2-methylphenol	ND		8700	4500	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
4-Bromophenyl phenyl ether	ND		4500	640	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
4-Chloro-3-methylphenol	ND		4500	1100	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
4-Chloroaniline	ND		4500	1100	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
4-Chlorophenyl phenyl ether	ND		4500	560	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
4-Methylphenol	ND		8700	530	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
4-Nitroaniline	ND *		8700	2400	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
4-Nitrophenol	ND		8700	3200	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
Acenaphthene	ND		4500	660	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
Acenaphthylene	ND		4500	580	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
Acetophenone	ND		4500	610	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
Anthracene	ND		4500	1100	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
Atrazine	ND *		4500	1600	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
Benzaldehyde	ND *		4500	3600	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
<b>Benzo[a]anthracene</b>	<b>2500</b>	<b>J</b>	4500	450	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
<b>Benzo[a]pyrene</b>	<b>2300</b>	<b>J</b>	4500	660	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
<b>Benzo[b]fluoranthene</b>	<b>3100</b>	<b>J</b>	4500	710	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
<b>Benzo[g,h,i]perylene</b>	<b>1500</b>	<b>J</b>	4500	480	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
<b>Benzo[k]fluoranthene</b>	<b>1400</b>	<b>J</b>	4500	580	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
Bis(2-chloroethoxy)methane	ND		4500	950	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
Bis(2-chloroethyl)ether	ND		4500	580	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
Bis(2-ethylhexyl) phthalate	ND		4500	1500	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
Butyl benzyl phthalate	ND		4500	740	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
Caprolactam	ND		4500	1400	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
Carbazole	ND		4500	530	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
<b>Chrysene</b>	<b>2600</b>	<b>J</b>	4500	1000	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
Dibenz(a,h)anthracene	ND		4500	790	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
Di-n-butyl phthalate	ND		4500	770	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
Di-n-octyl phthalate	ND		4500	530	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
Dibenzofuran	ND		4500	530	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
Diethyl phthalate	ND		4500	580	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
Dimethyl phthalate	ND		4500	530	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20

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# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86308-1

**Client Sample ID: CSW-42**

**Date Collected: 08/27/15 14:45**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-13**

**Matrix: Solid**

**Percent Solids: 74.0**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	5400		4500	480	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
Fluorene	ND		4500	530	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
Hexachlorobenzene	ND		4500	610	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
Hexachlorobutadiene	ND		4500	660	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
Hexachlorocyclopentadiene	ND		4500	610	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
Hexachloroethane	ND		4500	580	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
Indeno[1,2,3-cd]pyrene	1200	J	4500	560	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
Isophorone	ND		4500	950	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
N-Nitrosodi-n-propylamine	ND		4500	770	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
N-Nitrosodiphenylamine	ND		4500	3700	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
Naphthalene	ND		4500	580	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
Nitrobenzene	ND		4500	500	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
Pentachlorophenol	ND		8700	4500	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
Phenanthrene	3100	J	4500	660	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
Phenol	ND		4500	690	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
Pyrene	3400	J	4500	530	ug/Kg	☼	09/01/15 08:11	09/04/15 15:44	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	82		34 - 132				09/01/15 08:11	09/04/15 15:44	20
Phenol-d5 (Surr)	91		11 - 120				09/01/15 08:11	09/04/15 15:44	20
p-Terphenyl-d14 (Surr)	83		65 - 153				09/01/15 08:11	09/04/15 15:44	20
2,4,6-Tribromophenol (Surr)	164	X	39 - 146				09/01/15 08:11	09/04/15 15:44	20
2-Fluorobiphenyl	96		37 - 120				09/01/15 08:11	09/04/15 15:44	20
2-Fluorophenol (Surr)	73		18 - 120				09/01/15 08:11	09/04/15 15:44	20

**Client Sample ID: CSW-43**

**Date Collected: 08/27/15 14:45**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-14**

**Matrix: Solid**

**Percent Solids: 75.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		4500	660	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
bis (2-chloroisopropyl) ether	ND		4500	890	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
2,4,5-Trichlorophenol	ND		4500	1200	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
2,4,6-Trichlorophenol	ND		4500	890	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
2,4-Dichlorophenol	ND		4500	470	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
2,4-Dimethylphenol	ND		4500	1100	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
2,4-Dinitrophenol	ND		44000	21000	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
2,4-Dinitrotoluene	ND		4500	920	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
2,6-Dinitrotoluene	ND		4500	530	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
2-Chloronaphthalene	ND		4500	740	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
2-Chlorophenol	ND		4500	820	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
2-Methylphenol	ND		4500	530	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
2-Methylnaphthalene	ND		4500	890	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
2-Nitroaniline	ND		8700	660	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
2-Nitrophenol	ND		4500	1300	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
3,3'-Dichlorobenzidine	ND		8700	5300	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
3-Nitroaniline	ND		8700	1200	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
4,6-Dinitro-2-methylphenol	ND		8700	4500	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
4-Bromophenyl phenyl ether	ND		4500	630	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86308-1

**Client Sample ID: CSW-43**

**Date Collected: 08/27/15 14:45**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-14**

**Matrix: Solid**

**Percent Solids: 75.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloro-3-methylphenol	ND		4500	1100	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
4-Chloroaniline	ND		4500	1100	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
4-Chlorophenyl phenyl ether	ND		4500	550	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
4-Methylphenol	ND		8700	530	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
4-Nitroaniline	ND	*	8700	2300	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
4-Nitrophenol	ND		8700	3100	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
Acenaphthene	ND		4500	660	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
<b>Acenaphthylene</b>	<b>690</b>	<b>J</b>	4500	580	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
Acetophenone	ND		4500	610	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
<b>Anthracene</b>	<b>1700</b>	<b>J</b>	4500	1100	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
Atrazine	ND	*	4500	1600	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
Benzaldehyde	ND	*	4500	3600	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
<b>Benzo[a]anthracene</b>	<b>10000</b>		4500	450	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
<b>Benzo[a]pyrene</b>	<b>9000</b>		4500	660	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
<b>Benzo[b]fluoranthene</b>	<b>12000</b>		4500	710	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
<b>Benzo[g,h,i]perylene</b>	<b>3400</b>	<b>J</b>	4500	470	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
<b>Benzo[k]fluoranthene</b>	<b>6500</b>		4500	580	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
Bis(2-chloroethoxy)methane	ND		4500	950	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
Bis(2-chloroethyl)ether	ND		4500	580	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
Bis(2-ethylhexyl) phthalate	ND		4500	1500	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
Butyl benzyl phthalate	ND		4500	740	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
Caprolactam	ND		4500	1300	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
Carbazole	ND		4500	530	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
<b>Chrysene</b>	<b>10000</b>		4500	1000	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
Dibenz(a,h)anthracene	ND		4500	790	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
Di-n-butyl phthalate	ND		4500	760	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
Di-n-octyl phthalate	ND		4500	530	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
Dibenzofuran	ND		4500	530	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
Diethyl phthalate	ND		4500	580	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
Dimethyl phthalate	ND		4500	530	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
<b>Fluoranthene</b>	<b>17000</b>		4500	470	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
Fluorene	ND		4500	530	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
Hexachlorobenzene	ND		4500	610	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
Hexachlorobutadiene	ND		4500	660	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
Hexachlorocyclopentadiene	ND		4500	610	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
Hexachloroethane	ND		4500	580	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
<b>Indeno[1,2,3-cd]pyrene</b>	<b>3700</b>	<b>J</b>	4500	550	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
Isophorone	ND		4500	950	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
N-Nitrosodi-n-propylamine	ND		4500	760	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
N-Nitrosodiphenylamine	ND		4500	3600	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
Naphthalene	ND		4500	580	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
Nitrobenzene	ND		4500	500	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
Pentachlorophenol	ND		8700	4500	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
<b>Phenanthrene</b>	<b>5900</b>		4500	660	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
Phenol	ND		4500	680	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20
<b>Pyrene</b>	<b>11000</b>		4500	530	ug/Kg	☼	09/01/15 08:11	09/04/15 16:10	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	74		34 - 132	09/01/15 08:11	09/04/15 16:10	20
Phenol-d5 (Surr)	67		11 - 120	09/01/15 08:11	09/04/15 16:10	20

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86308-1

**Client Sample ID: CSW-43**

**Date Collected: 08/27/15 14:45**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-14**

**Matrix: Solid**

**Percent Solids: 75.3**

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl-d14 (Surr)	62	X	65 - 153	09/01/15 08:11	09/04/15 16:10	20
2,4,6-Tribromophenol (Surr)	139		39 - 146	09/01/15 08:11	09/04/15 16:10	20
2-Fluorobiphenyl	78		37 - 120	09/01/15 08:11	09/04/15 16:10	20
2-Fluorophenol (Surr)	64		18 - 120	09/01/15 08:11	09/04/15 16:10	20

**Client Sample ID: CSB-9**

**Date Collected: 08/27/15 14:45**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-15**

**Matrix: Solid**

**Percent Solids: 68.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		4900	720	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
bis (2-chloroisopropyl) ether	ND		4900	980	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
2,4,5-Trichlorophenol	ND		4900	1300	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
2,4,6-Trichlorophenol	ND		4900	980	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
2,4-Dichlorophenol	ND		4900	520	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
2,4-Dimethylphenol	ND		4900	1200	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
2,4-Dinitrophenol	ND		48000	23000	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
2,4-Dinitrotoluene	ND		4900	1000	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
2,6-Dinitrotoluene	ND		4900	580	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
2-Chloronaphthalene	ND		4900	810	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
2-Chlorophenol	ND		4900	900	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
2-Methylphenol	ND		4900	580	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
2-Methylnaphthalene	ND		4900	980	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
2-Nitroaniline	ND		9600	720	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
2-Nitrophenol	ND		4900	1400	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
3,3'-Dichlorobenzidine	ND		9600	5800	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
3-Nitroaniline	ND		9600	1400	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
4,6-Dinitro-2-methylphenol	ND		9600	4900	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
4-Bromophenyl phenyl ether	ND		4900	700	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
4-Chloro-3-methylphenol	ND		4900	1200	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
4-Chloroaniline	ND		4900	1200	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
4-Chlorophenyl phenyl ether	ND		4900	610	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
4-Methylphenol	ND		9600	580	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
4-Nitroaniline	ND *		9600	2600	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
4-Nitrophenol	ND		9600	3400	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
Acenaphthene	ND		4900	720	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
Acenaphthylene	ND		4900	640	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
Acetophenone	ND		4900	670	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
Anthracene	ND		4900	1200	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
Atrazine	ND *		4900	1700	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
Benzaldehyde	ND *		4900	3900	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
Benzo[a]anthracene	ND		4900	490	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
Benzo[a]pyrene	ND		4900	720	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
Benzo[b]fluoranthene	ND		4900	780	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
Benzo[g,h,i]perylene	ND		4900	520	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
Benzo[k]fluoranthene	ND		4900	640	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
Bis(2-chloroethoxy)methane	ND		4900	1000	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
Bis(2-chloroethyl)ether	ND		4900	640	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20

TestAmerica Buffalo



# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86308-1

**Client Sample ID: CSB-9**

**Date Collected: 08/27/15 14:45**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-15**

**Matrix: Solid**

**Percent Solids: 68.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND		4900	1700	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
Butyl benzyl phthalate	ND		4900	810	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
Caprolactam	ND		4900	1500	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
Carbazole	ND		4900	580	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
Chrysene	ND		4900	1100	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
Dibenz(a,h)anthracene	ND		4900	870	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
Di-n-butyl phthalate	ND		4900	840	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
Di-n-octyl phthalate	ND		4900	580	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
Dibenzofuran	ND		4900	580	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
Diethyl phthalate	ND		4900	640	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
Dimethyl phthalate	ND		4900	580	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
Fluoranthene	830	J	4900	520	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
Fluorene	ND		4900	580	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
Hexachlorobenzene	ND		4900	670	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
Hexachlorobutadiene	ND		4900	720	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
Hexachlorocyclopentadiene	ND		4900	670	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
Hexachloroethane	ND		4900	640	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
Indeno[1,2,3-cd]pyrene	ND		4900	610	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
Isophorone	ND		4900	1000	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
N-Nitrosodi-n-propylamine	ND		4900	840	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
N-Nitrosodiphenylamine	ND		4900	4000	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
Naphthalene	ND		4900	640	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
Nitrobenzene	ND		4900	550	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
Pentachlorophenol	ND		9600	4900	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
Phenanthrene	ND		4900	720	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
Phenol	ND		4900	750	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20
Pyrene	ND		4900	580	ug/Kg	☼	09/01/15 08:11	09/04/15 16:36	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	81		34 - 132	09/01/15 08:11	09/04/15 16:36	20
Phenol-d5 (Surr)	72		11 - 120	09/01/15 08:11	09/04/15 16:36	20
p-Terphenyl-d14 (Surr)	59	X	65 - 153	09/01/15 08:11	09/04/15 16:36	20
2,4,6-Tribromophenol (Surr)	147	X	39 - 146	09/01/15 08:11	09/04/15 16:36	20
2-Fluorobiphenyl	69		37 - 120	09/01/15 08:11	09/04/15 16:36	20
2-Fluorophenol (Surr)	79		18 - 120	09/01/15 08:11	09/04/15 16:36	20

TestAmerica Buffalo

# Surrogate Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86308-1

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		NBZ (34-132)	PHL (11-120)	TPH (65-153)	TBP (39-146)	FBP (37-120)	2FP (18-120)
480-86308-7	CSW-36	66	74	64 X	89	74	68
480-86308-8	CSW-37	86	83	70	92	80	89
480-86308-8 DU	CSW-37	78	67	58 X	82	70	67
480-86308-9	CSW-38	71	67	66	90	74	63
480-86308-10	CSW-39	74	67	59 X	89	79	69
480-86308-11	CSW-40	78	69	63 X	101	85	62
480-86308-11 MS	CSW-40	80	66	65	105	93	70
480-86308-11 MSD	CSW-40	70	68	66	105	92	58
480-86308-12	CSW-41	96	73	72	151 X	87	66
480-86308-12 - DL	CSW-41	60	59	74	0 X	81	67
480-86308-13	CSW-42	82	91	83	164 X	96	73
480-86308-14	CSW-43	74	67	62 X	139	78	64
480-86308-15	CSB-9	81	72	59 X	147 X	69	79
LCS 480-261380/2-A	Lab Control Sample	74	72	88	86	79	68
MB 480-261380/1-A	Method Blank	69	64	84	70	69	59

### Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)  
PHL = Phenol-d5 (Surr)  
TPH = p-Terphenyl-d14 (Surr)  
TBP = 2,4,6-Tribromophenol (Surr)  
FBP = 2-Fluorobiphenyl  
2FP = 2-Fluorophenol (Surr)

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86308-1

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

Lab Sample ID: MB 480-261380/1-A

Matrix: Solid

Analysis Batch: 262027

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 261380

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		170	25	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
bis (2-chloroisopropyl) ether	ND		170	34	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
2,4,5-Trichlorophenol	ND		170	45	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
2,4,6-Trichlorophenol	ND		170	34	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
2,4-Dichlorophenol	ND		170	18	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
2,4-Dimethylphenol	ND		170	40	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
2,4-Dinitrophenol	ND		1600	770	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
2,4-Dinitrotoluene	ND		170	35	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
2,6-Dinitrotoluene	ND		170	20	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
2-Chloronaphthalene	ND		170	28	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
2-Chlorophenol	ND		170	31	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
2-Methylphenol	ND		170	20	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
2-Methylnaphthalene	ND		170	34	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
2-Nitroaniline	ND		330	25	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
2-Nitrophenol	ND		170	47	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
3,3'-Dichlorobenzidine	ND		330	200	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
3-Nitroaniline	ND		330	46	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
4,6-Dinitro-2-methylphenol	ND		330	170	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
4-Bromophenyl phenyl ether	ND		170	24	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
4-Chloro-3-methylphenol	ND		170	41	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
4-Chloroaniline	ND		170	41	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
4-Chlorophenyl phenyl ether	ND		170	21	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
4-Methylphenol	ND		330	20	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
4-Nitroaniline	ND		330	88	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
4-Nitrophenol	ND		330	120	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
Acenaphthene	ND		170	25	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
Acenaphthylene	ND		170	22	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
Acetophenone	ND		170	23	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
Anthracene	ND		170	41	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
Atrazine	ND		170	58	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
Benzaldehyde	ND		170	130	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
Benzo[a]anthracene	ND		170	17	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
Benzo[a]pyrene	ND		170	25	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
Benzo[b]fluoranthene	ND		170	27	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
Benzo[g,h,i]perylene	ND		170	18	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
Benzo[k]fluoranthene	ND		170	22	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
Bis(2-chloroethoxy)methane	ND		170	36	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
Bis(2-chloroethyl)ether	ND		170	22	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
Bis(2-ethylhexyl) phthalate	ND		170	57	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
Butyl benzyl phthalate	ND		170	28	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
Caprolactam	ND		170	50	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
Carbazole	ND		170	20	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
Chrysene	ND		170	38	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
Dibenz(a,h)anthracene	ND		170	30	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
Di-n-butyl phthalate	ND		170	29	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
Di-n-octyl phthalate	ND		170	20	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
Dibenzofuran	ND		170	20	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
Diethyl phthalate	ND		170	22	ug/Kg		09/01/15 08:11	09/04/15 10:55	1

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-86308-1

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

Lab Sample ID: MB 480-261380/1-A

Matrix: Solid

Analysis Batch: 262027

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 261380

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	ND		170	20	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
Fluoranthene	ND		170	18	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
Fluorene	ND		170	20	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
Hexachlorobenzene	ND		170	23	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
Hexachlorobutadiene	ND		170	25	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
Hexachlorocyclopentadiene	ND		170	23	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
Hexachloroethane	ND		170	22	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
Indeno[1,2,3-cd]pyrene	ND		170	21	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
Isophorone	ND		170	36	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
N-Nitrosodi-n-propylamine	ND		170	29	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
N-Nitrosodiphenylamine	ND		170	140	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
Naphthalene	ND		170	22	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
Nitrobenzene	ND		170	19	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
Pentachlorophenol	ND		330	170	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
Phenanthrene	ND		170	25	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
Phenol	ND		170	26	ug/Kg		09/01/15 08:11	09/04/15 10:55	1
Pyrene	ND		170	20	ug/Kg		09/01/15 08:11	09/04/15 10:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	69		34 - 132	09/01/15 08:11	09/04/15 10:55	1
Phenol-d5 (Surr)	64		11 - 120	09/01/15 08:11	09/04/15 10:55	1
p-Terphenyl-d14 (Surr)	84		65 - 153	09/01/15 08:11	09/04/15 10:55	1
2,4,6-Tribromophenol (Surr)	70		39 - 146	09/01/15 08:11	09/04/15 10:55	1
2-Fluorobiphenyl	69		37 - 120	09/01/15 08:11	09/04/15 10:55	1
2-Fluorophenol (Surr)	59		18 - 120	09/01/15 08:11	09/04/15 10:55	1

Lab Sample ID: LCS 480-261380/2-A

Matrix: Solid

Analysis Batch: 262027

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 261380

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
2,4-Dinitrotoluene	1630	1160		ug/Kg		71	55 - 125
2-Chlorophenol	1630	1200		ug/Kg		74	38 - 120
4-Chloro-3-methylphenol	1630	1220		ug/Kg		75	49 - 125
4-Nitrophenol	3260	1950		ug/Kg		60	43 - 137
Acenaphthene	1630	1280		ug/Kg		78	53 - 120
Atrazine	3260	1910	*	ug/Kg		59	60 - 164
Bis(2-ethylhexyl) phthalate	1630	1280		ug/Kg		79	61 - 133
Fluorene	1630	1270		ug/Kg		78	63 - 126
Hexachloroethane	1630	1010		ug/Kg		62	41 - 120
N-Nitrosodi-n-propylamine	1630	1120		ug/Kg		69	46 - 120
Pentachlorophenol	3260	2230		ug/Kg		68	33 - 136
Phenol	1630	1160		ug/Kg		71	36 - 120
Pyrene	1630	1650		ug/Kg		101	51 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	74		34 - 132

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86308-1

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

Lab Sample ID: LCS 480-261380/2-A

Matrix: Solid

Analysis Batch: 262027

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 261380

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Phenol-d5 (Surr)	72		11 - 120
p-Terphenyl-d14 (Surr)	88		65 - 153
2,4,6-Tribromophenol (Surr)	86		39 - 146
2-Fluorobiphenyl	79		37 - 120
2-Fluorophenol (Surr)	68		18 - 120

Lab Sample ID: 480-86308-11 MS

Matrix: Solid

Analysis Batch: 262027

Client Sample ID: CSW-40

Prep Type: Total/NA

Prep Batch: 261380

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
2,4-Dinitrotoluene	ND		2050	1750	J	ug/Kg	✱	85	55 - 125
2-Chlorophenol	ND		2050	1380	J	ug/Kg	✱	68	38 - 120
4-Chloro-3-methylphenol	ND		2050	1220	J	ug/Kg	✱	59	49 - 125
4-Nitrophenol	ND	F2	4100	1740	J	ug/Kg	✱	43	43 - 137
Acenaphthene	760	J	2050	1970	J	ug/Kg	✱	59	53 - 120
Atrazine	ND	F1 *	4100	1990	J F1	ug/Kg	✱	49	60 - 164
Bis(2-ethylhexyl) phthalate	ND		2050	1620	J	ug/Kg	✱	79	61 - 133
Fluorene	1600	J F2 F1	2050	1860	J F1	ug/Kg	✱	11	63 - 126
Hexachloroethane	ND		2050	1730	J	ug/Kg	✱	85	41 - 120
N-Nitrosodi-n-propylamine	ND		2050	1720	J	ug/Kg	✱	84	46 - 120
Pentachlorophenol	ND		4100	3470	J	ug/Kg	✱	85	33 - 136
Phenol	ND		2050	1430	J	ug/Kg	✱	70	36 - 120
Pyrene	17000		2050	7740	4	ug/Kg	✱	-436	51 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
Nitrobenzene-d5 (Surr)	80		34 - 132
Phenol-d5 (Surr)	66		11 - 120
p-Terphenyl-d14 (Surr)	65		65 - 153
2,4,6-Tribromophenol (Surr)	105		39 - 146
2-Fluorobiphenyl	93		37 - 120
2-Fluorophenol (Surr)	70		18 - 120

Lab Sample ID: 480-86308-11 MSD

Matrix: Solid

Analysis Batch: 262027

Client Sample ID: CSW-40

Prep Type: Total/NA

Prep Batch: 261380

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
2,4-Dinitrotoluene	ND		2040	1800	J	ug/Kg	✱	88	55 - 125	3	20
2-Chlorophenol	ND		2040	1420	J	ug/Kg	✱	69	38 - 120	2	25
4-Chloro-3-methylphenol	ND		2040	1380	J	ug/Kg	✱	68	49 - 125	13	27
4-Nitrophenol	ND	F2	4080	2320	J F2	ug/Kg	✱	57	43 - 137	28	25
Acenaphthene	760	J	2040	1940	J	ug/Kg	✱	58	53 - 120	1	35
Atrazine	ND	F1 *	4080	2350	F1	ug/Kg	✱	57	60 - 164	16	20
Bis(2-ethylhexyl) phthalate	ND		2040	1510	J	ug/Kg	✱	74	61 - 133	7	15
Fluorene	1600	J F2 F1	2040	2170	F1 F2	ug/Kg	✱	27	63 - 126	16	15
Hexachloroethane	ND		2040	1510	J	ug/Kg	✱	74	41 - 120	14	46
N-Nitrosodi-n-propylamine	ND		2040	1610	J	ug/Kg	✱	79	46 - 120	7	31

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86308-1

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

Lab Sample ID: 480-86308-11 MSD

Matrix: Solid

Analysis Batch: 262027

Client Sample ID: CSW-40

Prep Type: Total/NA

Prep Batch: 261380

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Pentachlorophenol	ND		4080	3620	J	ug/Kg	☼	89	33 - 136	4	35
Phenol	ND		2040	1370	J	ug/Kg	☼	67	36 - 120	4	35
Pyrene	17000		2040	10200	4	ug/Kg	☼	-315	51 - 133	28	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Nitrobenzene-d5 (Surr)	70		34 - 132
Phenol-d5 (Surr)	68		11 - 120
p-Terphenyl-d14 (Surr)	66		65 - 153
2,4,6-Tribromophenol (Surr)	105		39 - 146
2-Fluorobiphenyl	92		37 - 120
2-Fluorophenol (Surr)	58		18 - 120

Lab Sample ID: 480-86308-8 DU

Matrix: Solid

Analysis Batch: 262027

Client Sample ID: CSW-37

Prep Type: Total/NA

Prep Batch: 261380

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Biphenyl	ND		ND		ug/Kg	☼	NC	20
bis (2-chloroisopropyl) ether	ND		ND		ug/Kg	☼	NC	24
2,4,5-Trichlorophenol	ND		ND		ug/Kg	☼	NC	18
2,4,6-Trichlorophenol	ND		ND		ug/Kg	☼	NC	19
2,4-Dichlorophenol	ND		ND		ug/Kg	☼	NC	19
2,4-Dimethylphenol	ND		ND		ug/Kg	☼	NC	42
2,4-Dinitrophenol	ND		ND		ug/Kg	☼	NC	22
2,4-Dinitrotoluene	ND		ND		ug/Kg	☼	NC	20
2,6-Dinitrotoluene	ND		ND		ug/Kg	☼	NC	15
2-Chloronaphthalene	ND		ND		ug/Kg	☼	NC	21
2-Chlorophenol	ND		ND		ug/Kg	☼	NC	25
2-Methylphenol	ND		ND		ug/Kg	☼	NC	27
2-Methylnaphthalene	ND		235	J	ug/Kg	☼	NC	21
2-Nitroaniline	ND		ND		ug/Kg	☼	NC	15
2-Nitrophenol	ND		ND		ug/Kg	☼	NC	18
3,3'-Dichlorobenzidine	ND		ND		ug/Kg	☼	NC	25
3-Nitroaniline	ND		ND		ug/Kg	☼	NC	19
4,6-Dinitro-2-methylphenol	ND		ND		ug/Kg	☼	NC	15
4-Bromophenyl phenyl ether	ND		ND		ug/Kg	☼	NC	15
4-Chloro-3-methylphenol	ND		ND		ug/Kg	☼	NC	27
4-Chloroaniline	ND		ND		ug/Kg	☼	NC	22
4-Chlorophenyl phenyl ether	ND		ND		ug/Kg	☼	NC	16
4-Methylphenol	ND		ND		ug/Kg	☼	NC	24
4-Nitroaniline	ND *		ND *		ug/Kg	☼	NC	24
4-Nitrophenol	ND		ND		ug/Kg	☼	NC	25
Acenaphthene	450	J	646	J F5	ug/Kg	☼	36	35
Acenaphthylene	200	J	217	J	ug/Kg	☼	9	18
Acetophenone	ND		ND		ug/Kg	☼	NC	20
Anthracene	1400		1690	F5	ug/Kg	☼	16	15
Atrazine	ND *		ND *		ug/Kg	☼	NC	20
Benzaldehyde	ND *		ND *		ug/Kg	☼	NC	20

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86308-1

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

Lab Sample ID: 480-86308-8 DU

Matrix: Solid

Analysis Batch: 262027

Client Sample ID: CSW-37

Prep Type: Total/NA

Prep Batch: 261380

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Benzo[a]anthracene	3400		4510	F3	ug/Kg	☼	28	15
Benzo[a]pyrene	3800		4120		ug/Kg	☼	8	15
Benzo[b]fluoranthene	4500		5700	F3	ug/Kg	☼	23	15
Benzo[g,h,i]perylene	2000		2250		ug/Kg	☼	14	15
Benzo[k]fluoranthene	2400		2910		ug/Kg	☼	19	22
Bis(2-chloroethoxy)methane	ND		ND		ug/Kg	☼	NC	17
Bis(2-chloroethyl)ether	ND		ND		ug/Kg	☼	NC	21
Bis(2-ethylhexyl) phthalate	ND		ND		ug/Kg	☼	NC	15
Butyl benzyl phthalate	ND		ND		ug/Kg	☼	NC	16
Caprolactam	ND		ND		ug/Kg	☼	NC	20
Carbazole	680 J		1130	F5	ug/Kg	☼	50	20
Chrysene	3500		4630	F3	ug/Kg	☼	29	15
Dibenz(a,h)anthracene	ND		ND		ug/Kg	☼	NC	15
Di-n-butyl phthalate	ND		ND		ug/Kg	☼	NC	15
Di-n-octyl phthalate	ND		ND		ug/Kg	☼	NC	16
Dibenzofuran	410 J		618	J F5	ug/Kg	☼	39	15
Diethyl phthalate	ND		ND		ug/Kg	☼	NC	15
Dimethyl phthalate	ND		ND		ug/Kg	☼	NC	15
Fluoranthene	6500		10400	F3	ug/Kg	☼	46	15
Fluorene	530 J		644	J F5	ug/Kg	☼	19	15
Hexachlorobenzene	ND		ND		ug/Kg	☼	NC	15
Hexachlorobutadiene	ND		ND		ug/Kg	☼	NC	44
Hexachlorocyclopentadiene	ND		ND		ug/Kg	☼	NC	49
Hexachloroethane	ND		ND		ug/Kg	☼	NC	46
Indeno[1,2,3-cd]pyrene	1800		2230	F5	ug/Kg	☼	21	15
Isophorone	ND		ND		ug/Kg	☼	NC	17
N-Nitrosodi-n-propylamine	ND		ND		ug/Kg	☼	NC	31
N-Nitrosodiphenylamine	ND		ND		ug/Kg	☼	NC	15
Naphthalene	ND		439	J	ug/Kg	☼	NC	29
Nitrobenzene	ND		ND		ug/Kg	☼	NC	24
Pentachlorophenol	ND		ND		ug/Kg	☼	NC	35
Phenanthrene	5800		9160	F3	ug/Kg	☼	45	15
Phenol	ND		ND		ug/Kg	☼	NC	35
Pyrene	4800		6720		ug/Kg	☼	33	35

Surrogate	%Recovery	DU Qualifier	Limits
Nitrobenzene-d5 (Surr)	78		34 - 132
Phenol-d5 (Surr)	67		11 - 120
p-Terphenyl-d14 (Surr)	58	X	65 - 153
2,4,6-Tribromophenol (Surr)	82		39 - 146
2-Fluorobiphenyl	70		37 - 120
2-Fluorophenol (Surr)	67		18 - 120

TestAmerica Buffalo



# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-86308-1

## Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-260966/1-A  
Matrix: Water  
Analysis Batch: 261438

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 260966

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.010	0.0030	mg/L		08/31/15 08:05	09/01/15 09:48	1

Lab Sample ID: LCS 480-260966/2-A  
Matrix: Water  
Analysis Batch: 261438

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 260966

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	0.200	0.205		mg/L		102	80 - 120

Lab Sample ID: MB 480-260997/1-A  
Matrix: Solid  
Analysis Batch: 261286

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 260997

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.95	0.23	mg/Kg		08/28/15 13:15	08/31/15 09:09	1

Lab Sample ID: LCSSRM 480-260997/2-A  
Matrix: Solid  
Analysis Batch: 261286

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 260997

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	90.1	85.37		mg/Kg		94.7	70.1 - 129.9

Lab Sample ID: 480-86308-4 MS  
Matrix: Solid  
Analysis Batch: 261286

Client Sample ID: CSW-35  
Prep Type: Total/NA  
Prep Batch: 260997

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	2660	F2	50.0	1767	4	mg/Kg	☼	-1777	75 - 125

Lab Sample ID: 480-86308-4 MSD  
Matrix: Solid  
Analysis Batch: 261286

Client Sample ID: CSW-35  
Prep Type: Total/NA  
Prep Batch: 260997

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	2660	F2	50.6	919.7	4 F2	mg/Kg	☼	-3434	75 - 125	63	20

Lab Sample ID: 480-86308-2 DU  
Matrix: Solid  
Analysis Batch: 261286

Client Sample ID: CSW-33  
Prep Type: Total/NA  
Prep Batch: 260997

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	1100		901.2		mg/Kg	☼	20	20

TestAmerica Buffalo



# QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86308-1

## GC/MS Semi VOA

### Prep Batch: 261380

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-86308-7	CSW-36	Total/NA	Solid	3550C	
480-86308-8	CSW-37	Total/NA	Solid	3550C	
480-86308-8 DU	CSW-37	Total/NA	Solid	3550C	
480-86308-9	CSW-38	Total/NA	Solid	3550C	
480-86308-10	CSW-39	Total/NA	Solid	3550C	
480-86308-11	CSW-40	Total/NA	Solid	3550C	
480-86308-11 MS	CSW-40	Total/NA	Solid	3550C	
480-86308-11 MSD	CSW-40	Total/NA	Solid	3550C	
480-86308-12 - DL	CSW-41	Total/NA	Solid	3550C	
480-86308-12	CSW-41	Total/NA	Solid	3550C	
480-86308-13	CSW-42	Total/NA	Solid	3550C	
480-86308-14	CSW-43	Total/NA	Solid	3550C	
480-86308-15	CSB-9	Total/NA	Solid	3550C	
LCS 480-261380/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 480-261380/1-A	Method Blank	Total/NA	Solid	3550C	

### Analysis Batch: 262027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-86308-7	CSW-36	Total/NA	Solid	8270D	261380
480-86308-8	CSW-37	Total/NA	Solid	8270D	261380
480-86308-8 DU	CSW-37	Total/NA	Solid	8270D	261380
480-86308-9	CSW-38	Total/NA	Solid	8270D	261380
480-86308-10	CSW-39	Total/NA	Solid	8270D	261380
480-86308-11	CSW-40	Total/NA	Solid	8270D	261380
480-86308-11 MS	CSW-40	Total/NA	Solid	8270D	261380
480-86308-11 MSD	CSW-40	Total/NA	Solid	8270D	261380
480-86308-12	CSW-41	Total/NA	Solid	8270D	261380
480-86308-13	CSW-42	Total/NA	Solid	8270D	261380
480-86308-14	CSW-43	Total/NA	Solid	8270D	261380
480-86308-15	CSB-9	Total/NA	Solid	8270D	261380
LCS 480-261380/2-A	Lab Control Sample	Total/NA	Solid	8270D	261380
MB 480-261380/1-A	Method Blank	Total/NA	Solid	8270D	261380

### Analysis Batch: 262311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-86308-12 - DL	CSW-41	Total/NA	Solid	8270D	261380

## Metals

### Prep Batch: 260966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-86308-6	ERB-3	Total/NA	Water	3005A	
LCS 480-260966/2-A	Lab Control Sample	Total/NA	Water	3005A	
MB 480-260966/1-A	Method Blank	Total/NA	Water	3005A	

### Prep Batch: 260997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-86308-1	CSW-32	Total/NA	Solid	3050B	
480-86308-2	CSW-33	Total/NA	Solid	3050B	
480-86308-2 DU	CSW-33	Total/NA	Solid	3050B	

TestAmerica Buffalo

# QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-86308-1

## Metals (Continued)

### Prep Batch: 260997 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-86308-3	CSW-34	Total/NA	Solid	3050B	
480-86308-4	CSW-35	Total/NA	Solid	3050B	
480-86308-4 MS	CSW-35	Total/NA	Solid	3050B	
480-86308-4 MSD	CSW-35	Total/NA	Solid	3050B	
480-86308-5	CSB-8	Total/NA	Solid	3050B	
LCSSRM 480-260997/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 480-260997/1-A	Method Blank	Total/NA	Solid	3050B	

### Analysis Batch: 261286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-86308-1	CSW-32	Total/NA	Solid	6010C	260997
480-86308-2	CSW-33	Total/NA	Solid	6010C	260997
480-86308-2 DU	CSW-33	Total/NA	Solid	6010C	260997
480-86308-3	CSW-34	Total/NA	Solid	6010C	260997
480-86308-4	CSW-35	Total/NA	Solid	6010C	260997
480-86308-4 MS	CSW-35	Total/NA	Solid	6010C	260997
480-86308-4 MSD	CSW-35	Total/NA	Solid	6010C	260997
480-86308-5	CSB-8	Total/NA	Solid	6010C	260997
LCSSRM 480-260997/2-A	Lab Control Sample	Total/NA	Solid	6010C	260997
MB 480-260997/1-A	Method Blank	Total/NA	Solid	6010C	260997

### Analysis Batch: 261438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-86308-6	ERB-3	Total/NA	Water	6010C	260966
LCS 480-260966/2-A	Lab Control Sample	Total/NA	Water	6010C	260966
MB 480-260966/1-A	Method Blank	Total/NA	Water	6010C	260966

## General Chemistry

### Analysis Batch: 260863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-86308-1	CSW-32	Total/NA	Solid	Moisture	
480-86308-2	CSW-33	Total/NA	Solid	Moisture	
480-86308-2 DU	CSW-33	Total/NA	Solid	Moisture	
480-86308-3	CSW-34	Total/NA	Solid	Moisture	
480-86308-4	CSW-35	Total/NA	Solid	Moisture	
480-86308-4 MS	CSW-35	Total/NA	Solid	Moisture	
480-86308-4 MSD	CSW-35	Total/NA	Solid	Moisture	
480-86308-5	CSB-8	Total/NA	Solid	Moisture	
480-86308-7	CSW-36	Total/NA	Solid	Moisture	
480-86308-8	CSW-37	Total/NA	Solid	Moisture	
480-86308-8 DU	CSW-37	Total/NA	Solid	Moisture	
480-86308-9	CSW-38	Total/NA	Solid	Moisture	
480-86308-10	CSW-39	Total/NA	Solid	Moisture	
480-86308-11	CSW-40	Total/NA	Solid	Moisture	
480-86308-11 MS	CSW-40	Total/NA	Solid	Moisture	
480-86308-11 MSD	CSW-40	Total/NA	Solid	Moisture	
480-86308-12	CSW-41	Total/NA	Solid	Moisture	
480-86308-13	CSW-42	Total/NA	Solid	Moisture	
480-86308-14	CSW-43	Total/NA	Solid	Moisture	

TestAmerica Buffalo

## QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-86308-1

### General Chemistry (Continued)

#### Analysis Batch: 260863 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-86308-15	CSB-9	Total/NA	Solid	Moisture	

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86308-1

**Client Sample ID: CSW-32**

**Date Collected: 08/27/15 13:00**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-1**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	260863	08/27/15 22:08	CMK	TAL BUF

**Client Sample ID: CSW-32**

**Date Collected: 08/27/15 13:00**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-1**

**Matrix: Solid**

**Percent Solids: 77.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			260997	08/28/15 13:15	TAS	TAL BUF
Total/NA	Analysis	6010C		1	261286	08/31/15 09:15	AMH	TAL BUF

**Client Sample ID: CSW-33**

**Date Collected: 08/27/15 13:00**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-2**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	260863	08/27/15 22:08	CMK	TAL BUF

**Client Sample ID: CSW-33**

**Date Collected: 08/27/15 13:00**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-2**

**Matrix: Solid**

**Percent Solids: 75.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			260997	08/28/15 13:15	TAS	TAL BUF
Total/NA	Analysis	6010C		1	261286	08/31/15 09:18	AMH	TAL BUF

**Client Sample ID: CSW-34**

**Date Collected: 08/27/15 13:00**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-3**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	260863	08/27/15 22:08	CMK	TAL BUF

**Client Sample ID: CSW-34**

**Date Collected: 08/27/15 13:00**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-3**

**Matrix: Solid**

**Percent Solids: 81.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			260997	08/28/15 13:15	TAS	TAL BUF
Total/NA	Analysis	6010C		1	261286	08/31/15 09:33	AMH	TAL BUF

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86308-1

**Client Sample ID: CSW-35**

**Date Collected: 08/27/15 13:00**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-4**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	260863	08/27/15 22:08	CMK	TAL BUF

**Client Sample ID: CSW-35**

**Date Collected: 08/27/15 13:00**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-4**

**Matrix: Solid**

**Percent Solids: 79.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			260997	08/28/15 13:15	TAS	TAL BUF
Total/NA	Analysis	6010C		1	261286	08/31/15 09:36	AMH	TAL BUF

**Client Sample ID: CSB-8**

**Date Collected: 08/27/15 13:00**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-5**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	260863	08/27/15 22:08	CMK	TAL BUF

**Client Sample ID: CSB-8**

**Date Collected: 08/27/15 13:00**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-5**

**Matrix: Solid**

**Percent Solids: 64.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			260997	08/28/15 13:15	TAS	TAL BUF
Total/NA	Analysis	6010C		1	261286	08/31/15 09:51	AMH	TAL BUF

**Client Sample ID: ERB-3**

**Date Collected: 08/27/15 14:00**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-6**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3005A			260966	08/31/15 08:05	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	261438	09/01/15 11:16	AMH	TAL BUF

**Client Sample ID: CSW-36**

**Date Collected: 08/27/15 14:15**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-7**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	260863	08/27/15 22:08	CMK	TAL BUF

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-86308-1

**Client Sample ID: CSW-36**

**Date Collected: 08/27/15 14:15**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-7**

**Matrix: Solid**

**Percent Solids: 73.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			261380	09/01/15 08:11	CAM	TAL BUF
Total/NA	Analysis	8270D		10	262027	09/04/15 13:06	LMW	TAL BUF

**Client Sample ID: CSW-37**

**Date Collected: 08/27/15 14:15**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-8**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	260863	08/27/15 22:08	CMK	TAL BUF

**Client Sample ID: CSW-37**

**Date Collected: 08/27/15 14:15**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-8**

**Matrix: Solid**

**Percent Solids: 77.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			261380	09/01/15 08:11	CAM	TAL BUF
Total/NA	Analysis	8270D		5	262027	09/04/15 13:33	LMW	TAL BUF

**Client Sample ID: CSW-38**

**Date Collected: 08/27/15 14:15**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-9**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	260863	08/27/15 22:08	CMK	TAL BUF

**Client Sample ID: CSW-38**

**Date Collected: 08/27/15 14:15**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-9**

**Matrix: Solid**

**Percent Solids: 74.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			261380	09/01/15 08:11	CAM	TAL BUF
Total/NA	Analysis	8270D		5	262027	09/04/15 14:25	LMW	TAL BUF

**Client Sample ID: CSW-39**

**Date Collected: 08/27/15 14:15**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-10**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	260863	08/27/15 22:08	CMK	TAL BUF

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86308-1

**Client Sample ID: CSW-39**

**Date Collected: 08/27/15 14:15**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-10**

**Matrix: Solid**

**Percent Solids: 80.6**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			261380	09/01/15 08:11	CAM	TAL BUF
Total/NA	Analysis	8270D		5	262027	09/04/15 14:51	LMW	TAL BUF

**Client Sample ID: CSW-40**

**Date Collected: 08/27/15 14:15**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-11**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	260863	08/27/15 22:08	CMK	TAL BUF

**Client Sample ID: CSW-40**

**Date Collected: 08/27/15 14:15**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-11**

**Matrix: Solid**

**Percent Solids: 80.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			261380	09/01/15 08:11	CAM	TAL BUF
Total/NA	Analysis	8270D		10	262027	09/04/15 12:40	LMW	TAL BUF

**Client Sample ID: CSW-41**

**Date Collected: 08/27/15 14:15**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-12**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	260863	08/27/15 22:08	CMK	TAL BUF

**Client Sample ID: CSW-41**

**Date Collected: 08/27/15 14:15**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-12**

**Matrix: Solid**

**Percent Solids: 80.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			261380	09/01/15 08:11	CAM	TAL BUF
Total/NA	Analysis	8270D		20	262027	09/04/15 15:18	LMW	TAL BUF
Total/NA	Prep	3550C	DL		261380	09/01/15 08:11	CAM	TAL BUF
Total/NA	Analysis	8270D	DL	50	262311	09/08/15 09:37	LMW	TAL BUF

**Client Sample ID: CSW-42**

**Date Collected: 08/27/15 14:45**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-13**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	260863	08/27/15 22:08	CMK	TAL BUF

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-86308-1

**Client Sample ID: CSW-42**

**Date Collected: 08/27/15 14:45**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-13**

**Matrix: Solid**

**Percent Solids: 74.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			261380	09/01/15 08:11	CAM	TAL BUF
Total/NA	Analysis	8270D		20	262027	09/04/15 15:44	LMW	TAL BUF

**Client Sample ID: CSW-43**

**Date Collected: 08/27/15 14:45**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-14**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	260863	08/27/15 22:08	CMK	TAL BUF

**Client Sample ID: CSW-43**

**Date Collected: 08/27/15 14:45**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-14**

**Matrix: Solid**

**Percent Solids: 75.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			261380	09/01/15 08:11	CAM	TAL BUF
Total/NA	Analysis	8270D		20	262027	09/04/15 16:10	LMW	TAL BUF

**Client Sample ID: CSB-9**

**Date Collected: 08/27/15 14:45**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-15**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	260863	08/27/15 22:08	CMK	TAL BUF

**Client Sample ID: CSB-9**

**Date Collected: 08/27/15 14:45**

**Date Received: 08/27/15 16:40**

**Lab Sample ID: 480-86308-15**

**Matrix: Solid**

**Percent Solids: 68.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			261380	09/01/15 08:11	CAM	TAL BUF
Total/NA	Analysis	8270D		20	262027	09/04/15 16:36	LMW	TAL BUF

## Laboratory References:

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

TestAmerica Buffalo



# Certification Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86308-1

## 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	03-31-16

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

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

## Method Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86308-1

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
6010C	Metals (ICP)	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

# Sample Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86308-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-86308-1	CSW-32	Solid	08/27/15 13:00	08/27/15 16:40
480-86308-2	CSW-33	Solid	08/27/15 13:00	08/27/15 16:40
480-86308-3	CSW-34	Solid	08/27/15 13:00	08/27/15 16:40
480-86308-4	CSW-35	Solid	08/27/15 13:00	08/27/15 16:40
480-86308-5	CSB-8	Solid	08/27/15 13:00	08/27/15 16:40
480-86308-6	ERB-3	Water	08/27/15 14:00	08/27/15 16:40
480-86308-7	CSW-36	Solid	08/27/15 14:15	08/27/15 16:40
480-86308-8	CSW-37	Solid	08/27/15 14:15	08/27/15 16:40
480-86308-9	CSW-38	Solid	08/27/15 14:15	08/27/15 16:40
480-86308-10	CSW-39	Solid	08/27/15 14:15	08/27/15 16:40
480-86308-11	CSW-40	Solid	08/27/15 14:15	08/27/15 16:40
480-86308-12	CSW-41	Solid	08/27/15 14:15	08/27/15 16:40
480-86308-13	CSW-42	Solid	08/27/15 14:45	08/27/15 16:40
480-86308-14	CSW-43	Solid	08/27/15 14:45	08/27/15 16:40
480-86308-15	CSB-9	Solid	08/27/15 14:45	08/27/15 16:40

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt \_\_\_\_\_

Drinking Water? Yes ☐ No ☐

## Chain of Custody Record

TAL-4124 (1007)

Client: 17er Environmental Group Date: 8/27/15 Chain of Custody Number: 284202

Address: 44 Rolling Hills Dr. Lab Number: \_\_\_\_\_ Page 1 of 2

City: Richardville State: NY Zip Code: 14127

Project Name and Location (State): 132 Dingsen St, Buffalo, NY

Contract/Purchase Order/Quote No. \_\_\_\_\_

Project Manager: Dharma Iyer Date: 8/27/15 Chain of Custody Number: 284202

Telephone Number (Area Code)/Fax Number: 716 4459684 Lab Number: \_\_\_\_\_ Page 1 of 2

Site Contact: Rich Allen Lab Contact: Mehreen Deyo

Carrier/Maybill Number: \_\_\_\_\_



480-86308 Chain of Custody

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	480-86308 Chain of Custody																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

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

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other \_\_\_\_\_

QC Requirements (Specify):

1. Relinquished By: Deyo Date: 8/27/15 Time: 4:40p

2. Relinquished By: Rich Allen Date: 8/27/15 Time: 16:00

3. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Comments: Temp 20.5 No ICE #1



## Login Sample Receipt Checklist

Client: Iyer Environmental Group, LLC

Job Number: 480-86308-1

**Login Number: 86308**

**List Source: TestAmerica Buffalo**

**List Number: 1**

**Creator: Kolb, Chris M**

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.	False	
Cooler Temperature is acceptable.	True	Yes: Received same day of collection
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	True	
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.	N/A	
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	iyer env.
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-86366-1

Client Project/Site: 132 Dingens

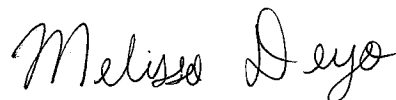
For:

Iyer Environmental Group, LLC

44 Rolling Hills Drive

Orchard Park, New York 14127

Attn: Dr. Dharmarajan R Iyer



Authorized for release by:

9/3/2015 11:59:01 AM

Melissa Deyo, Project Manager I

(716)504-9874

[melissa.deyo@testamericainc.com](mailto:melissa.deyo@testamericainc.com)

### LINKS

Review your project  
results through

TotalAccess

Have a Question?



Visit us at:

[www.testamericainc.com](http://www.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.



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## Definitions/Glossary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86366-1

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)

## Case Narrative

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86366-1

**Job ID: 480-86366-1**

**Laboratory: TestAmerica Buffalo**

### Narrative

#### Job Narrative 480-86366-1

#### Receipt

The samples were received on 8/28/2015 3:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 21.6° C.

#### Receipt Exceptions

No times of sample collection were provided. A time of 00:00 was used for login purposes.

#### Metals

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

# Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86366-1

## Client Sample ID: CSW-18-3

## Lab Sample ID: 480-86366-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	3320		1.3	0.31	mg/Kg	1	☼	6010C	Total/NA

## Client Sample ID: CSW-12-2

## Lab Sample ID: 480-86366-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1680		1.3	0.32	mg/Kg	1	☼	6010C	Total/NA

## Client Sample ID: CSB-3-2

## Lab Sample ID: 480-86366-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	5790		1.8	0.42	mg/Kg	1	☼	6010C	Total/NA

## Client Sample ID: CSB-5-2

## Lab Sample ID: 480-86366-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	89.3		3.4	0.69	mg/Kg	1	☼	6010C	Total/NA
Hg	0.43		0.035	0.014	mg/Kg	1	☼	7471B	Total/NA

## Client Sample ID: CSB-6-2

## Lab Sample ID: 480-86366-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.7		2.5	0.51	mg/Kg	1	☼	6010C	Total/NA

## Client Sample ID: CSW-20-2

## Lab Sample ID: 480-86366-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	59.7		2.6	0.52	mg/Kg	1	☼	6010C	Total/NA
Hg	2.5		0.13	0.052	mg/Kg	5	☼	7471B	Total/NA

## Client Sample ID: CSW-21-2

## Lab Sample ID: 480-86366-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	75.7		2.6	0.52	mg/Kg	1	☼	6010C	Total/NA
Hg	1.9		0.13	0.052	mg/Kg	5	☼	7471B	Total/NA

## Client Sample ID: CSW-23-2

## Lab Sample ID: 480-86366-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	126		2.6	0.53	mg/Kg	1	☼	6010C	Total/NA
Hg	3.1		0.12	0.050	mg/Kg	5	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-86366-1

## Client Sample ID: CSW-18-3

Date Collected: 08/28/15 00:00

Date Received: 08/28/15 15:30

## Lab Sample ID: 480-86366-1

Matrix: Solid

Percent Solids: 77.6

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3320		1.3	0.31	mg/Kg	☼	09/01/15 09:27	09/02/15 13:17	1

## Client Sample ID: CSW-12-2

Date Collected: 08/28/15 00:00

Date Received: 08/28/15 15:30

## Lab Sample ID: 480-86366-2

Matrix: Solid

Percent Solids: 71.1

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1680		1.3	0.32	mg/Kg	☼	09/01/15 09:27	09/02/15 13:23	1

## Client Sample ID: CSB-3-2

Date Collected: 08/28/15 00:00

Date Received: 08/28/15 15:30

## Lab Sample ID: 480-86366-3

Matrix: Solid

Percent Solids: 57.5

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5790		1.8	0.42	mg/Kg	☼	09/01/15 09:27	09/02/15 13:29	1

## Client Sample ID: CSB-5-2

Date Collected: 08/28/15 00:00

Date Received: 08/28/15 15:30

## Lab Sample ID: 480-86366-4

Matrix: Solid

Percent Solids: 56.8

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	89.3		3.4	0.69	mg/Kg	☼	09/01/15 09:27	09/02/15 13:50	1

### Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.43		0.035	0.014	mg/Kg	☼	09/01/15 08:30	09/01/15 11:53	1

## Client Sample ID: CSB-6-2

Date Collected: 08/28/15 00:00

Date Received: 08/28/15 15:30

## Lab Sample ID: 480-86366-5

Matrix: Solid

Percent Solids: 81.6

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.7		2.5	0.51	mg/Kg	☼	09/01/15 09:27	09/02/15 13:53	1

### Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.023	0.0095	mg/Kg	☼	09/01/15 08:30	09/01/15 11:55	1

## Client Sample ID: CSW-20-2

Date Collected: 08/28/15 00:00

Date Received: 08/28/15 15:30

## Lab Sample ID: 480-86366-6

Matrix: Solid

Percent Solids: 74.5

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	59.7		2.6	0.52	mg/Kg	☼	09/01/15 09:27	09/02/15 13:56	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86366-1

## Client Sample ID: CSW-20-2

Date Collected: 08/28/15 00:00

Date Received: 08/28/15 15:30

## Lab Sample ID: 480-86366-6

Matrix: Solid

Percent Solids: 74.5

### Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	2.5		0.13	0.052	mg/Kg	☼	09/01/15 08:30	09/01/15 13:02	5

## Client Sample ID: CSW-21-2

Date Collected: 08/28/15 00:00

Date Received: 08/28/15 15:30

## Lab Sample ID: 480-86366-7

Matrix: Solid

Percent Solids: 76.5

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	75.7		2.6	0.52	mg/Kg	☼	09/01/15 09:27	09/02/15 14:20	1

### Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	1.9		0.13	0.052	mg/Kg	☼	09/01/15 08:30	09/01/15 13:06	5

## Client Sample ID: CSW-23-2

Date Collected: 08/28/15 00:00

Date Received: 08/28/15 15:30

## Lab Sample ID: 480-86366-8

Matrix: Solid

Percent Solids: 80.0

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	126		2.6	0.53	mg/Kg	☼	09/01/15 09:27	09/02/15 14:26	1

### Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	3.1		0.12	0.050	mg/Kg	☼	09/01/15 08:30	09/01/15 13:08	5

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86366-1

## Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-261388/1-A  
Matrix: Solid  
Analysis Batch: 261800

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 261388

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.93	0.22	mg/Kg		09/01/15 09:27	09/02/15 13:08	1
Arsenic	ND		1.9	0.37	mg/Kg		09/01/15 09:27	09/02/15 13:08	1

Lab Sample ID: LCDSRM 480-261388/3-A  
Matrix: Solid  
Analysis Batch: 261800

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 261388

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	90.1	86.91		mg/Kg		96.5	70.1 - 129.9	5	20
Arsenic	113	92.65		mg/Kg		82.0	69.7 - 142.5	2	20

Lab Sample ID: LCSSRM 480-261388/2-A  
Matrix: Solid  
Analysis Batch: 261800

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 261388

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	90.1	91.20		mg/Kg		101.2	70.1 - 129.9		
Arsenic	113	94.92		mg/Kg		84.0	69.7 - 142.5		

Lab Sample ID: 480-86366-3 DU  
Matrix: Solid  
Analysis Batch: 261800

Client Sample ID: CSB-3-2  
Prep Type: Total/NA  
Prep Batch: 261388

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	5790		6522		mg/Kg	✖	12	20

Lab Sample ID: 480-86366-6 DU  
Matrix: Solid  
Analysis Batch: 261800

Client Sample ID: CSW-20-2  
Prep Type: Total/NA  
Prep Batch: 261388

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	59.7		69.65		mg/Kg	✖	15	20

## Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-261276/1-A  
Matrix: Solid  
Analysis Batch: 261461

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 261276

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.020	0.0081	mg/Kg		09/01/15 08:30	09/01/15 11:46	1

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86366-1

## Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: LCDSRM 480-261276/3-A  
Matrix: Solid  
Analysis Batch: 261461

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 261276

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hg	8.37	8.41		mg/Kg	—	100.5	51.3 - 148.1	8	20

Lab Sample ID: LCSSRM 480-261276/2-A  
Matrix: Solid  
Analysis Batch: 261461

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 261276

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hg	8.37	9.09		mg/Kg	—	108.6	51.3 - 148.1		

Lab Sample ID: 480-86366-6 DU  
Matrix: Solid  
Analysis Batch: 261461

Client Sample ID: CSW-20-2  
Prep Type: Total/NA  
Prep Batch: 261276

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	%Rec	RPD	RPD Limit
Hg	2.5		2.36		mg/Kg	✱		6	20

# QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86366-1

## Metals

### Prep Batch: 261276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-86366-4	CSB-5-2	Total/NA	Solid	7471B	
480-86366-5	CSB-6-2	Total/NA	Solid	7471B	
480-86366-6	CSW-20-2	Total/NA	Solid	7471B	
480-86366-6 DU	CSW-20-2	Total/NA	Solid	7471B	
480-86366-7	CSW-21-2	Total/NA	Solid	7471B	
480-86366-8	CSW-23-2	Total/NA	Solid	7471B	
LCDSRM 480-261276/3-A	Lab Control Sample Dup	Total/NA	Solid	7471B	
LCSSRM 480-261276/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 480-261276/1-A	Method Blank	Total/NA	Solid	7471B	

### Prep Batch: 261388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-86366-1	CSW-18-3	Total/NA	Solid	3050B	
480-86366-2	CSW-12-2	Total/NA	Solid	3050B	
480-86366-3	CSB-3-2	Total/NA	Solid	3050B	
480-86366-3 DU	CSB-3-2	Total/NA	Solid	3050B	
480-86366-4	CSB-5-2	Total/NA	Solid	3050B	
480-86366-5	CSB-6-2	Total/NA	Solid	3050B	
480-86366-6	CSW-20-2	Total/NA	Solid	3050B	
480-86366-6 DU	CSW-20-2	Total/NA	Solid	3050B	
480-86366-7	CSW-21-2	Total/NA	Solid	3050B	
480-86366-8	CSW-23-2	Total/NA	Solid	3050B	
LCDSRM 480-261388/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 480-261388/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 480-261388/1-A	Method Blank	Total/NA	Solid	3050B	

### Analysis Batch: 261461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-86366-4	CSB-5-2	Total/NA	Solid	7471B	261276
480-86366-5	CSB-6-2	Total/NA	Solid	7471B	261276
480-86366-6	CSW-20-2	Total/NA	Solid	7471B	261276
480-86366-6 DU	CSW-20-2	Total/NA	Solid	7471B	261276
480-86366-7	CSW-21-2	Total/NA	Solid	7471B	261276
480-86366-8	CSW-23-2	Total/NA	Solid	7471B	261276
LCDSRM 480-261276/3-A	Lab Control Sample Dup	Total/NA	Solid	7471B	261276
LCSSRM 480-261276/2-A	Lab Control Sample	Total/NA	Solid	7471B	261276
MB 480-261276/1-A	Method Blank	Total/NA	Solid	7471B	261276

### Analysis Batch: 261800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-86366-1	CSW-18-3	Total/NA	Solid	6010C	261388
480-86366-2	CSW-12-2	Total/NA	Solid	6010C	261388
480-86366-3	CSB-3-2	Total/NA	Solid	6010C	261388
480-86366-3 DU	CSB-3-2	Total/NA	Solid	6010C	261388
480-86366-4	CSB-5-2	Total/NA	Solid	6010C	261388
480-86366-5	CSB-6-2	Total/NA	Solid	6010C	261388
480-86366-6	CSW-20-2	Total/NA	Solid	6010C	261388
480-86366-6 DU	CSW-20-2	Total/NA	Solid	6010C	261388
480-86366-7	CSW-21-2	Total/NA	Solid	6010C	261388
480-86366-8	CSW-23-2	Total/NA	Solid	6010C	261388
LCDSRM 480-261388/3-A	Lab Control Sample Dup	Total/NA	Solid	6010C	261388

TestAmerica Buffalo



## QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86366-1

### Metals (Continued)

#### Analysis Batch: 261800 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSSRM 480-261388/2-A	Lab Control Sample	Total/NA	Solid	6010C	261388
MB 480-261388/1-A	Method Blank	Total/NA	Solid	6010C	261388

### General Chemistry

#### Analysis Batch: 261146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-86366-1	CSW-18-3	Total/NA	Solid	Moisture	
480-86366-2	CSW-12-2	Total/NA	Solid	Moisture	
480-86366-3	CSB-3-2	Total/NA	Solid	Moisture	
480-86366-3 DU	CSB-3-2	Total/NA	Solid	Moisture	
480-86366-4	CSB-5-2	Total/NA	Solid	Moisture	
480-86366-5	CSB-6-2	Total/NA	Solid	Moisture	
480-86366-6	CSW-20-2	Total/NA	Solid	Moisture	
480-86366-6 DU	CSW-20-2	Total/NA	Solid	Moisture	
480-86366-7	CSW-21-2	Total/NA	Solid	Moisture	
480-86366-8	CSW-23-2	Total/NA	Solid	Moisture	

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-86366-1

**Client Sample ID: CSW-18-3**

**Date Collected: 08/28/15 00:00**

**Date Received: 08/28/15 15:30**

**Lab Sample ID: 480-86366-1**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	261146	08/29/15 15:43	CMK	TAL BUF

**Client Sample ID: CSW-18-3**

**Date Collected: 08/28/15 00:00**

**Date Received: 08/28/15 15:30**

**Lab Sample ID: 480-86366-1**

**Matrix: Solid**

**Percent Solids: 77.6**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			261388	09/01/15 09:27	CMM	TAL BUF
Total/NA	Analysis	6010C		1	261800	09/02/15 13:17	AMH	TAL BUF

**Client Sample ID: CSW-12-2**

**Date Collected: 08/28/15 00:00**

**Date Received: 08/28/15 15:30**

**Lab Sample ID: 480-86366-2**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	261146	08/29/15 15:43	CMK	TAL BUF

**Client Sample ID: CSW-12-2**

**Date Collected: 08/28/15 00:00**

**Date Received: 08/28/15 15:30**

**Lab Sample ID: 480-86366-2**

**Matrix: Solid**

**Percent Solids: 71.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			261388	09/01/15 09:27	CMM	TAL BUF
Total/NA	Analysis	6010C		1	261800	09/02/15 13:23	AMH	TAL BUF

**Client Sample ID: CSB-3-2**

**Date Collected: 08/28/15 00:00**

**Date Received: 08/28/15 15:30**

**Lab Sample ID: 480-86366-3**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	261146	08/29/15 15:43	CMK	TAL BUF

**Client Sample ID: CSB-3-2**

**Date Collected: 08/28/15 00:00**

**Date Received: 08/28/15 15:30**

**Lab Sample ID: 480-86366-3**

**Matrix: Solid**

**Percent Solids: 57.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			261388	09/01/15 09:27	CMM	TAL BUF
Total/NA	Analysis	6010C		1	261800	09/02/15 13:29	AMH	TAL BUF

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86366-1

**Client Sample ID: CSB-5-2**

**Date Collected: 08/28/15 00:00**

**Date Received: 08/28/15 15:30**

**Lab Sample ID: 480-86366-4**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	261146	08/29/15 15:43	CMK	TAL BUF

**Client Sample ID: CSB-5-2**

**Date Collected: 08/28/15 00:00**

**Date Received: 08/28/15 15:30**

**Lab Sample ID: 480-86366-4**

**Matrix: Solid**

**Percent Solids: 56.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			261388	09/01/15 09:27	CMM	TAL BUF
Total/NA	Analysis	6010C		1	261800	09/02/15 13:50	AMH	TAL BUF
Total/NA	Prep	7471B			261276	09/01/15 08:30	TAS	TAL BUF
Total/NA	Analysis	7471B		1	261461	09/01/15 11:53	TAS	TAL BUF

**Client Sample ID: CSB-6-2**

**Date Collected: 08/28/15 00:00**

**Date Received: 08/28/15 15:30**

**Lab Sample ID: 480-86366-5**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	261146	08/29/15 15:43	CMK	TAL BUF

**Client Sample ID: CSB-6-2**

**Date Collected: 08/28/15 00:00**

**Date Received: 08/28/15 15:30**

**Lab Sample ID: 480-86366-5**

**Matrix: Solid**

**Percent Solids: 81.6**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			261388	09/01/15 09:27	CMM	TAL BUF
Total/NA	Analysis	6010C		1	261800	09/02/15 13:53	AMH	TAL BUF
Total/NA	Prep	7471B			261276	09/01/15 08:30	TAS	TAL BUF
Total/NA	Analysis	7471B		1	261461	09/01/15 11:55	TAS	TAL BUF

**Client Sample ID: CSW-20-2**

**Date Collected: 08/28/15 00:00**

**Date Received: 08/28/15 15:30**

**Lab Sample ID: 480-86366-6**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	261146	08/29/15 15:43	CMK	TAL BUF

**Client Sample ID: CSW-20-2**

**Date Collected: 08/28/15 00:00**

**Date Received: 08/28/15 15:30**

**Lab Sample ID: 480-86366-6**

**Matrix: Solid**

**Percent Solids: 74.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			261388	09/01/15 09:27	CMM	TAL BUF

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-86366-1

## Client Sample ID: CSW-20-2

Date Collected: 08/28/15 00:00

Date Received: 08/28/15 15:30

## Lab Sample ID: 480-86366-6

Matrix: Solid

Percent Solids: 74.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010C		1	261800	09/02/15 13:56	AMH	TAL BUF
Total/NA	Prep	7471B			261276	09/01/15 08:30	TAS	TAL BUF
Total/NA	Analysis	7471B		5	261461	09/01/15 13:02	TAS	TAL BUF

## Client Sample ID: CSW-21-2

Date Collected: 08/28/15 00:00

Date Received: 08/28/15 15:30

## Lab Sample ID: 480-86366-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	261146	08/29/15 15:43	CMK	TAL BUF

## Client Sample ID: CSW-21-2

Date Collected: 08/28/15 00:00

Date Received: 08/28/15 15:30

## Lab Sample ID: 480-86366-7

Matrix: Solid

Percent Solids: 76.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			261388	09/01/15 09:27	CMM	TAL BUF
Total/NA	Analysis	6010C		1	261800	09/02/15 14:20	AMH	TAL BUF
Total/NA	Prep	7471B			261276	09/01/15 08:30	TAS	TAL BUF
Total/NA	Analysis	7471B		5	261461	09/01/15 13:06	TAS	TAL BUF

## Client Sample ID: CSW-23-2

Date Collected: 08/28/15 00:00

Date Received: 08/28/15 15:30

## Lab Sample ID: 480-86366-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	261146	08/29/15 15:43	CMK	TAL BUF

## Client Sample ID: CSW-23-2

Date Collected: 08/28/15 00:00

Date Received: 08/28/15 15:30

## Lab Sample ID: 480-86366-8

Matrix: Solid

Percent Solids: 80.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			261388	09/01/15 09:27	CMM	TAL BUF
Total/NA	Analysis	6010C		1	261800	09/02/15 14:26	AMH	TAL BUF
Total/NA	Prep	7471B			261276	09/01/15 08:30	TAS	TAL BUF
Total/NA	Analysis	7471B		5	261461	09/01/15 13:08	TAS	TAL BUF

### Laboratory References:

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

TestAmerica Buffalo

## Certification Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86366-1

### 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	03-31-16

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

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

## Method Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86366-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL BUF
7471B	Mercury (CVAA)	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

## Sample Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86366-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-86366-1	CSW-18-3	Solid	08/28/15 00:00	08/28/15 15:30
480-86366-2	CSW-12-2	Solid	08/28/15 00:00	08/28/15 15:30
480-86366-3	CSB-3-2	Solid	08/28/15 00:00	08/28/15 15:30
480-86366-4	CSB-5-2	Solid	08/28/15 00:00	08/28/15 15:30
480-86366-5	CSB-6-2	Solid	08/28/15 00:00	08/28/15 15:30
480-86366-6	CSW-20-2	Solid	08/28/15 00:00	08/28/15 15:30
480-86366-7	CSW-21-2	Solid	08/28/15 00:00	08/28/15 15:30
480-86366-8	CSW-23-2	Solid	08/28/15 00:00	08/28/15 15:30

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt \_\_\_\_\_

Drinking Water? Yes ☐ No ☐

## Chain of Custody Record


TAL-4124 (1007)

Client		Project Manager		Date		Chain of Custody Number	
1K2 ENVIRONMENTAL CORP		Dhaning Iyer		8/28/15		284204	
Address		Telephone Number (Area Code)/Fax Number		Lab Number		Page 1 of 1	
44 Rolling Hills Dr		716 445-9684					
City		State		Zip Code			
Eastland Park		NY		14122			
Project Name and Location (State)		Site Contact		Lab Contact			
132 Dwyer St - Buffalo, NY		Rick Allen		Mikha Jeyo			
Contract/Purchase Order/Quote No.		Carrier/Waybill Number					

Special Instructions/  
Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)		Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH
CSW-18-3		8/28/15					✓	✓					
CSW-12-2		↓					✓	✓					
CSB-3-2													
CSB-5-2													
CSB-6-2													
CSW-20-2		↓					✓	✓					
CSW-21-2													
CSW-23-2													

480-86366 Chain of Custody



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480-86366 Chain of Custody

Possible Hazard Identification		Sample Disposal	
<input type="checkbox"/> Non-Hazard	<input type="checkbox"/> Flammable	<input type="checkbox"/> Return To Client	<input type="checkbox"/> Disposal By Lab
<input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Poison B	<input type="checkbox"/> Unknown	<input type="checkbox"/> Archive For
Turn Around Time Required		(A fee may be assessed if samples are retained longer than 1 month)	
<input type="checkbox"/> 24 Hours	<input type="checkbox"/> 48 Hours	<input checked="" type="checkbox"/> 7 Days	<input type="checkbox"/> 14 Days
<input type="checkbox"/> 21 Days	<input type="checkbox"/> 28 Days	<input type="checkbox"/> 35 Days	<input type="checkbox"/> 42 Days

QC Requirements (Specify)		Category B	
1. Relinquished By	Date	Time	
2. Relinquished By	Date	Time	
3. Relinquished By	Date	Time	

Comments	
Temp 21.6 w/o ICE #1	

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy



## Login Sample Receipt Checklist

Client: Iyer Environmental Group, LLC

Job Number: 480-86366-1

**Login Number: 86366**

**List Number: 1**

**Creator: Kolb, Chris M**

**List Source: TestAmerica Buffalo**

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.	False	
Cooler Temperature is acceptable.	True	Yes: Received same day of collection
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.	False	Refer to job narrative for details
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.	False	Refer to job narrative for details
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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
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	iyer env.
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-86938-1

Client Project/Site: 132 Dingens

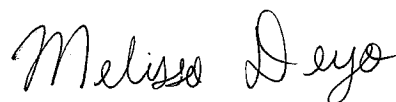
For:

Iyer Environmental Group, LLC

44 Rolling Hills Drive

Orchard Park, New York 14127

Attn: Dr. Dharmarajan R Iyer



Authorized for release by:

9/14/2015 4:45:53 PM

Melissa Deyo, Project Manager I

(716)504-9874

[melissa.deyo@testamericainc.com](mailto:melissa.deyo@testamericainc.com)

### LINKS

Review your project  
results through

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Have a Question?



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[www.testamericainc.com](http://www.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.*

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## Definitions/Glossary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86938-1

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)

## Case Narrative

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86938-1

**Job ID: 480-86938-1**

**Laboratory: TestAmerica Buffalo**

### Narrative

#### Job Narrative 480-86938-1

#### Receipt

The samples were received on 9/9/2015 4:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 22.5° C.

#### Metals

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

## Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86938-1

### Client Sample ID: CSW-21-3

### Lab Sample ID: 480-86938-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	125		2.9	0.58	mg/Kg	1		☼	6010C	Total/NA
Hg	5.9		0.29	0.12	mg/Kg	10		☼	7471B	Total/NA

### Client Sample ID: CSW-23-3

### Lab Sample ID: 480-86938-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	29.0		2.8	0.57	mg/Kg	1		☼	6010C	Total/NA
Hg	2.4		0.13	0.055	mg/Kg	5		☼	7471B	Total/NA

### Client Sample ID: CSB-5-3

### Lab Sample ID: 480-86938-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	84.6		3.9	0.78	mg/Kg	1		☼	6010C	Total/NA
Hg	11.2		0.35	0.14	mg/Kg	10		☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-86938-1

## Client Sample ID: CSW-21-3

Date Collected: 09/09/15 00:00

Date Received: 09/09/15 16:30

## Lab Sample ID: 480-86938-1

Matrix: Solid

Percent Solids: 70.4

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	125		2.9	0.58	mg/Kg	☼	09/10/15 13:40	09/11/15 14:39	1

### Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	5.9		0.29	0.12	mg/Kg	☼	09/10/15 10:10	09/11/15 07:50	10

## Client Sample ID: CSW-23-3

Date Collected: 09/09/15 00:00

Date Received: 09/09/15 16:30

## Lab Sample ID: 480-86938-2

Matrix: Solid

Percent Solids: 72.5

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	29.0		2.8	0.57	mg/Kg	☼	09/10/15 13:40	09/11/15 14:51	1

### Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	2.4		0.13	0.055	mg/Kg	☼	09/10/15 10:10	09/11/15 07:52	5

## Client Sample ID: CSB-5-3

Date Collected: 09/09/15 00:00

Date Received: 09/09/15 16:30

## Lab Sample ID: 480-86938-3

Matrix: Solid

Percent Solids: 56.3

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	84.6		3.9	0.78	mg/Kg	☼	09/10/15 13:40	09/11/15 14:54	1

### Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	11.2		0.35	0.14	mg/Kg	☼	09/10/15 10:10	09/11/15 07:54	10

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86938-1

## Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-262864/1-A  
Matrix: Solid  
Analysis Batch: 263412

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 262864

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.0	0.41	mg/Kg	-	09/10/15 13:40	09/11/15 14:22	1

Lab Sample ID: LCSSRM 480-262864/2-A  
Matrix: Solid  
Analysis Batch: 263412

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 262864

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	113	101.5		mg/Kg	-	89.8	69.7 - 142. 5

## Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-262798/1-A  
Matrix: Solid  
Analysis Batch: 263031

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 262798

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.019	0.0078	mg/Kg	-	09/10/15 10:10	09/10/15 15:53	1

Lab Sample ID: LCDSRM 480-262798/3-A  
Matrix: Solid  
Analysis Batch: 263031

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 262798

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Hg	8.37	10.86		mg/Kg	-	129.7	51.3 - 148. 1	1	20

Lab Sample ID: LCSSRM 480-262798/2-A  
Matrix: Solid  
Analysis Batch: 263031

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 262798

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Hg	8.37	10.79		mg/Kg	-	129.0	51.3 - 148. 1

TestAmerica Buffalo



# QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-86938-1

## Metals

### Prep Batch: 262798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-86938-1	CSW-21-3	Total/NA	Solid	7471B	
480-86938-2	CSW-23-3	Total/NA	Solid	7471B	
480-86938-3	CSB-5-3	Total/NA	Solid	7471B	
LCDSRM 480-262798/3-A	Lab Control Sample Dup	Total/NA	Solid	7471B	
LCSSRM 480-262798/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 480-262798/1-A	Method Blank	Total/NA	Solid	7471B	

### Prep Batch: 262864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-86938-1	CSW-21-3	Total/NA	Solid	3050B	
480-86938-2	CSW-23-3	Total/NA	Solid	3050B	
480-86938-3	CSB-5-3	Total/NA	Solid	3050B	
LCSSRM 480-262864/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 480-262864/1-A	Method Blank	Total/NA	Solid	3050B	

### Analysis Batch: 263031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-86938-1	CSW-21-3	Total/NA	Solid	7471B	262798
480-86938-2	CSW-23-3	Total/NA	Solid	7471B	262798
480-86938-3	CSB-5-3	Total/NA	Solid	7471B	262798
LCDSRM 480-262798/3-A	Lab Control Sample Dup	Total/NA	Solid	7471B	262798
LCSSRM 480-262798/2-A	Lab Control Sample	Total/NA	Solid	7471B	262798
MB 480-262798/1-A	Method Blank	Total/NA	Solid	7471B	262798

### Analysis Batch: 263412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-86938-1	CSW-21-3	Total/NA	Solid	6010C	262864
480-86938-2	CSW-23-3	Total/NA	Solid	6010C	262864
480-86938-3	CSB-5-3	Total/NA	Solid	6010C	262864
LCSSRM 480-262864/2-A	Lab Control Sample	Total/NA	Solid	6010C	262864
MB 480-262864/1-A	Method Blank	Total/NA	Solid	6010C	262864

## General Chemistry

### Analysis Batch: 262703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-86938-1	CSW-21-3	Total/NA	Solid	Moisture	
480-86938-2	CSW-23-3	Total/NA	Solid	Moisture	
480-86938-3	CSB-5-3	Total/NA	Solid	Moisture	

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86938-1

**Client Sample ID: CSW-21-3**

**Date Collected: 09/09/15 00:00**

**Date Received: 09/09/15 16:30**

**Lab Sample ID: 480-86938-1**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	262703	09/09/15 17:17	MJH	TAL BUF

**Client Sample ID: CSW-21-3**

**Date Collected: 09/09/15 00:00**

**Date Received: 09/09/15 16:30**

**Lab Sample ID: 480-86938-1**

**Matrix: Solid**

**Percent Solids: 70.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			262864	09/10/15 13:40	TAS	TAL BUF
Total/NA	Analysis	6010C		1	263412	09/11/15 14:39	AMH	TAL BUF
Total/NA	Prep	7471B			262798	09/10/15 10:10	TAS	TAL BUF
Total/NA	Analysis	7471B		10	263031	09/11/15 07:50	TAS	TAL BUF

**Client Sample ID: CSW-23-3**

**Date Collected: 09/09/15 00:00**

**Date Received: 09/09/15 16:30**

**Lab Sample ID: 480-86938-2**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	262703	09/09/15 17:22	MJH	TAL BUF

**Client Sample ID: CSW-23-3**

**Date Collected: 09/09/15 00:00**

**Date Received: 09/09/15 16:30**

**Lab Sample ID: 480-86938-2**

**Matrix: Solid**

**Percent Solids: 72.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			262864	09/10/15 13:40	TAS	TAL BUF
Total/NA	Analysis	6010C		1	263412	09/11/15 14:51	AMH	TAL BUF
Total/NA	Prep	7471B			262798	09/10/15 10:10	TAS	TAL BUF
Total/NA	Analysis	7471B		5	263031	09/11/15 07:52	TAS	TAL BUF

**Client Sample ID: CSB-5-3**

**Date Collected: 09/09/15 00:00**

**Date Received: 09/09/15 16:30**

**Lab Sample ID: 480-86938-3**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	262703	09/09/15 17:22	MJH	TAL BUF

**Client Sample ID: CSB-5-3**

**Date Collected: 09/09/15 00:00**

**Date Received: 09/09/15 16:30**

**Lab Sample ID: 480-86938-3**

**Matrix: Solid**

**Percent Solids: 56.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			262864	09/10/15 13:40	TAS	TAL BUF

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86938-1

**Client Sample ID: CSB-5-3**

**Date Collected: 09/09/15 00:00**

**Date Received: 09/09/15 16:30**

**Lab Sample ID: 480-86938-3**

**Matrix: Solid**

**Percent Solids: 56.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010C		1	263412	09/11/15 14:54	AMH	TAL BUF
Total/NA	Prep	7471B			262798	09/10/15 10:10	TAS	TAL BUF
Total/NA	Analysis	7471B		10	263031	09/11/15 07:54	TAS	TAL BUF

## Laboratory References:

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

# Certification Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86938-1

## 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	03-31-16

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

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

## Method Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86938-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL BUF
7471B	Mercury (CVAA)	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

## Sample Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-86938-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-86938-1	CSW-21-3	Solid	09/09/15 00:00	09/09/15 16:30
480-86938-2	CSW-23-3	Solid	09/09/15 00:00	09/09/15 16:30
480-86938-3	CSB-5-3	Solid	09/09/15 00:00	09/09/15 16:30

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# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING


## Chain of Custody Record

Temperature on Receipt \_\_\_\_\_

Drinking Water? Yes ☐ No ☒

TAL-4124 (1007)

Client <b>Lyer Environmental Group</b>		Project Manager <b>Dharma Iyer</b>		Date <b>Sep 9, 2015</b>		Chain of Custody Number <b>264475</b>	
Address <b>44 Rolling Hills Dr</b>		Telephone Number (Area Code)/Fax Number <b>(716) 662-4157</b>		Lab Number		Page <b>1</b> of <b>1</b>	
City <b>Orchard Park</b>		State <b>NY</b>		Zip Code <b>14127</b>		Analysis (Attach list if more space is needed)	
Project Name and Location (State) <b>132 Dingers St (NY)</b>		Site Contact <b>R. Allen</b>		Lab Contact <b>M. Deyo</b>		Special Instructions/ Conditions of Receipt <b>CATEGORY B</b>	
Contract/Purchase Order/Quote No.		Carrier/Maybill Number					

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives					Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		
<del>CSW-21-3</del>	<del>9/9/15</del>	<del>1630</del>	<del>✓</del>	<del>✓</del>	<del>✓</del>	<del>✓</del>	<del>✓</del>	<del>✓</del>	<del>✓</del>	<del>✓</del>	<del>✓</del>	<del>✓</del>	<del>TOTAL As</del>	 480-86938 Chain of Custody
CSW-21-3	9/9/15	1630	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	TOTAL Hg	
CSW-23-3	↓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
CSB-5-3			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown		Sample Disposal <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months		(A fee may be assessed if samples are retained longer than 1 month)	
Turn Around Time Required <input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input checked="" type="checkbox"/> 7 Days <input type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input type="checkbox"/> Other _____		QC Requirements (Specify)			
1. Relinquished By <b>Richard C Allen Jr</b>		Date <b>9/9/15</b>		Time <b>1630</b>	
2. Relinquished By		Date		Time	
3. Relinquished By		Date		Time	
Comments <b>27.5 #1</b>					

## Login Sample Receipt Checklist

Client: Iyer Environmental Group, LLC

Job Number: 480-86938-1

**Login Number: 86938**

**List Source: TestAmerica Buffalo**

**List Number: 1**

**Creator: Janish, Carl M**

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.	False	
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.	False	
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	
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	IYER
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	



## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-87201-1

Client Project/Site: 132 Dingens

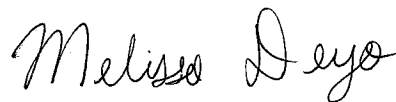
For:

Iyer Environmental Group, LLC

44 Rolling Hills Drive

Orchard Park, New York 14127

Attn: Dr. Dharmarajan R Iyer



Authorized for release by:

9/18/2015 4:28:39 PM

Melissa Deyo, Project Manager I

(716)504-9874

[melissa.deyo@testamericainc.com](mailto:melissa.deyo@testamericainc.com)

### LINKS

Review your project  
results through

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Have a Question?



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[www.testamericainc.com](http://www.testamericainc.com)

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*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.*

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## Definitions/Glossary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-1

### Qualifiers

#### 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.

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)

# Case Narrative

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-1

**Job ID: 480-87201-1**

**Laboratory: TestAmerica Buffalo**

## Narrative

### Job Narrative 480-87201-1

#### Receipt

The samples were received on 9/14/2015 5:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 21.7° C.

#### Receipt Exceptions

Sample collection times were not listed on COC or labels. A time of 0000 was used for login purposes.

#### GC Semi VOA

Method(s) 8082A: The following samples were diluted due to the abundance of target analytes: CSW-50 (480-87201-7), CSW-54 (480-87201-11) and CSW-58 (480-87201-15). Elevated reporting limits (RLs) are provided.

Method(s) 8082A: The following samples appear to contain PCB-1248; however, due to weathering or other environmental processes, PCB-1248 in the samples does not closely match the laboratory's Aroclor standard used for instrument calibration: CSW-44 (480-87201-1), CSW-45 (480-87201-2), CSW-46 (480-87201-3), CSW-47 (480-87201-4), CSW-48 (480-87201-5), CSW-49 (480-87201-6), CSW-50 (480-87201-7), CSW-51 (480-87201-8), CSW-54 (480-87201-11), CSW-56 (480-87201-13), CSW-58 (480-87201-15), CSB-10 (480-87201-17), CSB-10 (480-87201-17[MS]), CSB-10 (480-87201-17[MSD]) and CSB-11 (480-87201-18). Due to the poor match with the Aroclor standard, there is increased qualitative and quantitative uncertainty associated with these results.

Method(s) 8082A: The following samples appear to contain PCB-1254; however, due to weathering or other environmental processes, PCB-1254 in the samples does not closely match the laboratory's Aroclor standard used for instrument calibration: CSW-59 (480-87201-16) and CSB-12 (480-87201-19). Due to the poor match with the Aroclor standard, there is increased qualitative and quantitative uncertainty associated with these results.

Method(s) 8082A: The following samples appear to contain PCB-1248; however, due to weathering or other environmental processes, PCB-1248 in the samples does not closely match the laboratory's Aroclor standard used for instrument calibration: CSW-52 (480-87201-9) and CSW-52 (480-87201-9[DU]). Due to the poor match with the Aroclor standard, there is increased qualitative and quantitative uncertainty associated with these results.

Method(s) 8082A: All primary data is reported from the ZB-5 column.

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

#### Organic Prep

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 480-263691.

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

# Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-87201-1

## Client Sample ID: CSW-44

## Lab Sample ID: 480-87201-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	1.8		0.21	0.041	mg/Kg	1	✱	8082A	Total/NA

## Client Sample ID: CSW-45

## Lab Sample ID: 480-87201-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	1.1		0.22	0.042	mg/Kg	1	✱	8082A	Total/NA
PCB-1254	0.63		0.22	0.10	mg/Kg	1	✱	8082A	Total/NA
PCB-1260	0.43		0.22	0.10	mg/Kg	1	✱	8082A	Total/NA

## Client Sample ID: CSW-46

## Lab Sample ID: 480-87201-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	0.065	J	0.24	0.047	mg/Kg	1	✱	8082A	Total/NA

## Client Sample ID: CSW-47

## Lab Sample ID: 480-87201-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	0.24		0.22	0.044	mg/Kg	1	✱	8082A	Total/NA
PCB-1254	0.23		0.22	0.10	mg/Kg	1	✱	8082A	Total/NA

## Client Sample ID: CSW-48

## Lab Sample ID: 480-87201-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	0.46		0.29	0.057	mg/Kg	1	✱	8082A	Total/NA

## Client Sample ID: CSW-49

## Lab Sample ID: 480-87201-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	0.13	J	0.21	0.041	mg/Kg	1	✱	8082A	Total/NA
PCB-1254	0.16	J	0.21	0.099	mg/Kg	1	✱	8082A	Total/NA

## Client Sample ID: CSW-50

## Lab Sample ID: 480-87201-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	33		2.3	0.46	mg/Kg	10	✱	8082A	Total/NA

## Client Sample ID: CSW-51

## Lab Sample ID: 480-87201-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	1.5		0.27	0.053	mg/Kg	1	✱	8082A	Total/NA
PCB-1254	1.1		0.27	0.13	mg/Kg	1	✱	8082A	Total/NA
PCB-1260	0.24	J	0.27	0.13	mg/Kg	1	✱	8082A	Total/NA

## Client Sample ID: CSW-52

## Lab Sample ID: 480-87201-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248 - RE	1.7		0.30	0.059	mg/Kg	1	✱	8082A	Total/NA

## Client Sample ID: CSW-53

## Lab Sample ID: 480-87201-10

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

# Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-87201-1

## Client Sample ID: CSW-53 (Continued)

## Lab Sample ID: 480-87201-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	1.9		0.20	0.040	mg/Kg	1	☼	8082A	Total/NA
PCB-1254	2.5		0.20	0.096	mg/Kg	1	☼	8082A	Total/NA
PCB-1260	0.92		0.20	0.096	mg/Kg	1	☼	8082A	Total/NA

## Client Sample ID: CSW-54

## Lab Sample ID: 480-87201-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	4.5		0.47	0.092	mg/Kg	2	☼	8082A	Total/NA
PCB-1254	4.2		0.47	0.22	mg/Kg	2	☼	8082A	Total/NA
PCB-1260	1.5		0.47	0.22	mg/Kg	2	☼	8082A	Total/NA

## Client Sample ID: CSW-55

## Lab Sample ID: 480-87201-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	2.1		0.22	0.043	mg/Kg	1	☼	8082A	Total/NA
PCB-1254	2.5		0.22	0.10	mg/Kg	1	☼	8082A	Total/NA
PCB-1260	0.84		0.22	0.10	mg/Kg	1	☼	8082A	Total/NA

## Client Sample ID: CSW-56

## Lab Sample ID: 480-87201-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	0.62		0.29	0.056	mg/Kg	1	☼	8082A	Total/NA
PCB-1254	0.67		0.29	0.13	mg/Kg	1	☼	8082A	Total/NA
PCB-1260	0.38		0.29	0.13	mg/Kg	1	☼	8082A	Total/NA

## Client Sample ID: CSW-57

## Lab Sample ID: 480-87201-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	0.65		0.25	0.049	mg/Kg	1	☼	8082A	Total/NA
PCB-1254	0.96		0.25	0.12	mg/Kg	1	☼	8082A	Total/NA
PCB-1260	0.48		0.25	0.12	mg/Kg	1	☼	8082A	Total/NA

## Client Sample ID: CSW-58

## Lab Sample ID: 480-87201-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	7.5		0.49	0.096	mg/Kg	2	☼	8082A	Total/NA
PCB-1254	4.4		0.49	0.23	mg/Kg	2	☼	8082A	Total/NA
PCB-1260	1.4		0.49	0.23	mg/Kg	2	☼	8082A	Total/NA

## Client Sample ID: CSW-59

## Lab Sample ID: 480-87201-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1242	0.68		0.20	0.040	mg/Kg	1	☼	8082A	Total/NA
PCB-1254	1.8		0.20	0.095	mg/Kg	1	☼	8082A	Total/NA
PCB-1260	0.76		0.20	0.095	mg/Kg	1	☼	8082A	Total/NA

## Client Sample ID: CSB-10

## Lab Sample ID: 480-87201-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	0.29	J	0.32	0.062	mg/Kg	1	☼	8082A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

## Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-1

### Client Sample ID: CSB-11

### Lab Sample ID: 480-87201-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	0.68		0.26	0.052	mg/Kg	1	☼	8082A	Total/NA

### Client Sample ID: CSB-12

### Lab Sample ID: 480-87201-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1242	0.57		0.24	0.046	mg/Kg	1	☼	8082A	Total/NA
PCB-1254	1.0		0.24	0.11	mg/Kg	1	☼	8082A	Total/NA
PCB-1260	0.39		0.24	0.11	mg/Kg	1	☼	8082A	Total/NA

### Client Sample ID: ERB-4

### Lab Sample ID: 480-87201-20

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-1

**Client Sample ID: CSW-44**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-1**

**Matrix: Solid**

**Percent Solids: 83.8**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.21	0.041	mg/Kg	☼	09/16/15 08:17	09/16/15 20:46	1
PCB-1221	ND		0.21	0.041	mg/Kg	☼	09/16/15 08:17	09/16/15 20:46	1
PCB-1232	ND		0.21	0.041	mg/Kg	☼	09/16/15 08:17	09/16/15 20:46	1
PCB-1242	ND		0.21	0.041	mg/Kg	☼	09/16/15 08:17	09/16/15 20:46	1
<b>PCB-1248</b>	<b>1.8</b>		0.21	0.041	mg/Kg	☼	09/16/15 08:17	09/16/15 20:46	1
PCB-1254	ND		0.21	0.099	mg/Kg	☼	09/16/15 08:17	09/16/15 20:46	1
PCB-1260	ND		0.21	0.099	mg/Kg	☼	09/16/15 08:17	09/16/15 20:46	1
PCB-1262	ND		0.21	0.099	mg/Kg	☼	09/16/15 08:17	09/16/15 20:46	1
PCB-1268	ND		0.21	0.099	mg/Kg	☼	09/16/15 08:17	09/16/15 20:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	87		60 - 154	09/16/15 08:17	09/16/15 20:46	1
DCB Decachlorobiphenyl	79		65 - 174	09/16/15 08:17	09/16/15 20:46	1

**Client Sample ID: CSW-45**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-2**

**Matrix: Solid**

**Percent Solids: 86.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.22	0.042	mg/Kg	☼	09/16/15 08:17	09/16/15 21:02	1
PCB-1221	ND		0.22	0.042	mg/Kg	☼	09/16/15 08:17	09/16/15 21:02	1
PCB-1232	ND		0.22	0.042	mg/Kg	☼	09/16/15 08:17	09/16/15 21:02	1
PCB-1242	ND		0.22	0.042	mg/Kg	☼	09/16/15 08:17	09/16/15 21:02	1
<b>PCB-1248</b>	<b>1.1</b>		0.22	0.042	mg/Kg	☼	09/16/15 08:17	09/16/15 21:02	1
<b>PCB-1254</b>	<b>0.63</b>		0.22	0.10	mg/Kg	☼	09/16/15 08:17	09/16/15 21:02	1
<b>PCB-1260</b>	<b>0.43</b>		0.22	0.10	mg/Kg	☼	09/16/15 08:17	09/16/15 21:02	1
PCB-1262	ND		0.22	0.10	mg/Kg	☼	09/16/15 08:17	09/16/15 21:02	1
PCB-1268	ND		0.22	0.10	mg/Kg	☼	09/16/15 08:17	09/16/15 21:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	94		60 - 154	09/16/15 08:17	09/16/15 21:02	1
DCB Decachlorobiphenyl	90		65 - 174	09/16/15 08:17	09/16/15 21:02	1

**Client Sample ID: CSW-46**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-3**

**Matrix: Solid**

**Percent Solids: 78.5**

## 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	☼	09/16/15 08:17	09/16/15 21:17	1
PCB-1221	ND		0.24	0.047	mg/Kg	☼	09/16/15 08:17	09/16/15 21:17	1
PCB-1232	ND		0.24	0.047	mg/Kg	☼	09/16/15 08:17	09/16/15 21:17	1
PCB-1242	ND		0.24	0.047	mg/Kg	☼	09/16/15 08:17	09/16/15 21:17	1
<b>PCB-1248</b>	<b>0.065</b>	<b>J</b>	0.24	0.047	mg/Kg	☼	09/16/15 08:17	09/16/15 21:17	1
PCB-1254	ND		0.24	0.11	mg/Kg	☼	09/16/15 08:17	09/16/15 21:17	1
PCB-1260	ND		0.24	0.11	mg/Kg	☼	09/16/15 08:17	09/16/15 21:17	1
PCB-1262	ND		0.24	0.11	mg/Kg	☼	09/16/15 08:17	09/16/15 21:17	1
PCB-1268	ND		0.24	0.11	mg/Kg	☼	09/16/15 08:17	09/16/15 21:17	1

TestAmerica Buffalo



# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-87201-1

## Client Sample ID: CSW-46

Date Collected: 09/14/15 00:00

Date Received: 09/14/15 17:30

## Lab Sample ID: 480-87201-3

Matrix: Solid

Percent Solids: 78.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	80		60 - 154	09/16/15 08:17	09/16/15 21:17	1
DCB Decachlorobiphenyl	68		65 - 174	09/16/15 08:17	09/16/15 21:17	1

## Client Sample ID: CSW-47

Date Collected: 09/14/15 00:00

Date Received: 09/14/15 17:30

## Lab Sample ID: 480-87201-4

Matrix: Solid

Percent Solids: 77.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.22	0.044	mg/Kg	☼	09/16/15 08:17	09/16/15 21:34	1
PCB-1221	ND		0.22	0.044	mg/Kg	☼	09/16/15 08:17	09/16/15 21:34	1
PCB-1232	ND		0.22	0.044	mg/Kg	☼	09/16/15 08:17	09/16/15 21:34	1
PCB-1242	ND		0.22	0.044	mg/Kg	☼	09/16/15 08:17	09/16/15 21:34	1
PCB-1248	0.24		0.22	0.044	mg/Kg	☼	09/16/15 08:17	09/16/15 21:34	1
PCB-1254	0.23		0.22	0.10	mg/Kg	☼	09/16/15 08:17	09/16/15 21:34	1
PCB-1260	ND		0.22	0.10	mg/Kg	☼	09/16/15 08:17	09/16/15 21:34	1
PCB-1262	ND		0.22	0.10	mg/Kg	☼	09/16/15 08:17	09/16/15 21:34	1
PCB-1268	ND		0.22	0.10	mg/Kg	☼	09/16/15 08:17	09/16/15 21:34	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
Tetrachloro-m-xylene	83		60 - 154	09/16/15 08:17	09/16/15 21:34	1			
DCB Decachlorobiphenyl	68		65 - 174	09/16/15 08:17	09/16/15 21:34	1			

## Client Sample ID: CSW-48

Date Collected: 09/14/15 00:00

Date Received: 09/14/15 17:30

## Lab Sample ID: 480-87201-5

Matrix: Solid

Percent Solids: 76.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.29	0.057	mg/Kg	☼	09/16/15 08:17	09/16/15 21:49	1
PCB-1221	ND		0.29	0.057	mg/Kg	☼	09/16/15 08:17	09/16/15 21:49	1
PCB-1232	ND		0.29	0.057	mg/Kg	☼	09/16/15 08:17	09/16/15 21:49	1
PCB-1242	ND		0.29	0.057	mg/Kg	☼	09/16/15 08:17	09/16/15 21:49	1
PCB-1248	0.46		0.29	0.057	mg/Kg	☼	09/16/15 08:17	09/16/15 21:49	1
PCB-1254	ND		0.29	0.14	mg/Kg	☼	09/16/15 08:17	09/16/15 21:49	1
PCB-1260	ND		0.29	0.14	mg/Kg	☼	09/16/15 08:17	09/16/15 21:49	1
PCB-1262	ND		0.29	0.14	mg/Kg	☼	09/16/15 08:17	09/16/15 21:49	1
PCB-1268	ND		0.29	0.14	mg/Kg	☼	09/16/15 08:17	09/16/15 21:49	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
Tetrachloro-m-xylene	89		60 - 154	09/16/15 08:17	09/16/15 21:49	1			
DCB Decachlorobiphenyl	79		65 - 174	09/16/15 08:17	09/16/15 21:49	1			

## Client Sample ID: CSW-49

Date Collected: 09/14/15 00:00

Date Received: 09/14/15 17:30

## Lab Sample ID: 480-87201-6

Matrix: Solid

Percent Solids: 93.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.21	0.041	mg/Kg	☼	09/16/15 08:17	09/16/15 22:37	1
PCB-1221	ND		0.21	0.041	mg/Kg	☼	09/16/15 08:17	09/16/15 22:37	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-1

**Client Sample ID: CSW-49**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-6**

**Matrix: Solid**

**Percent Solids: 93.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	ND		0.21	0.041	mg/Kg	☼	09/16/15 08:17	09/16/15 22:37	1
PCB-1242	ND		0.21	0.041	mg/Kg	☼	09/16/15 08:17	09/16/15 22:37	1
<b>PCB-1248</b>	<b>0.13</b>	<b>J</b>	0.21	0.041	mg/Kg	☼	09/16/15 08:17	09/16/15 22:37	1
<b>PCB-1254</b>	<b>0.16</b>	<b>J</b>	0.21	0.099	mg/Kg	☼	09/16/15 08:17	09/16/15 22:37	1
PCB-1260	ND		0.21	0.099	mg/Kg	☼	09/16/15 08:17	09/16/15 22:37	1
PCB-1262	ND		0.21	0.099	mg/Kg	☼	09/16/15 08:17	09/16/15 22:37	1
PCB-1268	ND		0.21	0.099	mg/Kg	☼	09/16/15 08:17	09/16/15 22:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	98		60 - 154	09/16/15 08:17	09/16/15 22:37	1
DCB Decachlorobiphenyl	102		65 - 174	09/16/15 08:17	09/16/15 22:37	1

**Client Sample ID: CSW-50**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-7**

**Matrix: Solid**

**Percent Solids: 85.8**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		2.3	0.46	mg/Kg	☼	09/16/15 08:17	09/16/15 22:53	10
PCB-1221	ND		2.3	0.46	mg/Kg	☼	09/16/15 08:17	09/16/15 22:53	10
PCB-1232	ND		2.3	0.46	mg/Kg	☼	09/16/15 08:17	09/16/15 22:53	10
PCB-1242	ND		2.3	0.46	mg/Kg	☼	09/16/15 08:17	09/16/15 22:53	10
<b>PCB-1248</b>	<b>33</b>		2.3	0.46	mg/Kg	☼	09/16/15 08:17	09/16/15 22:53	10
PCB-1254	ND		2.3	1.1	mg/Kg	☼	09/16/15 08:17	09/16/15 22:53	10
PCB-1260	ND		2.3	1.1	mg/Kg	☼	09/16/15 08:17	09/16/15 22:53	10
PCB-1262	ND		2.3	1.1	mg/Kg	☼	09/16/15 08:17	09/16/15 22:53	10
PCB-1268	ND		2.3	1.1	mg/Kg	☼	09/16/15 08:17	09/16/15 22:53	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	97		60 - 154	09/16/15 08:17	09/16/15 22:53	10
DCB Decachlorobiphenyl	111		65 - 174	09/16/15 08:17	09/16/15 22:53	10

**Client Sample ID: CSW-51**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-8**

**Matrix: Solid**

**Percent Solids: 82.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.27	0.053	mg/Kg	☼	09/16/15 08:17	09/16/15 23:09	1
PCB-1221	ND		0.27	0.053	mg/Kg	☼	09/16/15 08:17	09/16/15 23:09	1
PCB-1232	ND		0.27	0.053	mg/Kg	☼	09/16/15 08:17	09/16/15 23:09	1
PCB-1242	ND		0.27	0.053	mg/Kg	☼	09/16/15 08:17	09/16/15 23:09	1
<b>PCB-1248</b>	<b>1.5</b>		0.27	0.053	mg/Kg	☼	09/16/15 08:17	09/16/15 23:09	1
<b>PCB-1254</b>	<b>1.1</b>		0.27	0.13	mg/Kg	☼	09/16/15 08:17	09/16/15 23:09	1
<b>PCB-1260</b>	<b>0.24</b>	<b>J</b>	0.27	0.13	mg/Kg	☼	09/16/15 08:17	09/16/15 23:09	1
PCB-1262	ND		0.27	0.13	mg/Kg	☼	09/16/15 08:17	09/16/15 23:09	1
PCB-1268	ND		0.27	0.13	mg/Kg	☼	09/16/15 08:17	09/16/15 23:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	90		60 - 154	09/16/15 08:17	09/16/15 23:09	1
DCB Decachlorobiphenyl	75		65 - 174	09/16/15 08:17	09/16/15 23:09	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-1

**Client Sample ID: CSW-52**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-9**

**Matrix: Solid**

**Percent Solids: 78.9**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.30	0.059	mg/Kg	☼	09/17/15 12:18	09/17/15 18:10	1
PCB-1221	ND		0.30	0.059	mg/Kg	☼	09/17/15 12:18	09/17/15 18:10	1
PCB-1232	ND		0.30	0.059	mg/Kg	☼	09/17/15 12:18	09/17/15 18:10	1
PCB-1242	ND		0.30	0.059	mg/Kg	☼	09/17/15 12:18	09/17/15 18:10	1
PCB-1248	1.7		0.30	0.059	mg/Kg	☼	09/17/15 12:18	09/17/15 18:10	1
PCB-1254	ND		0.30	0.14	mg/Kg	☼	09/17/15 12:18	09/17/15 18:10	1
PCB-1260	ND		0.30	0.14	mg/Kg	☼	09/17/15 12:18	09/17/15 18:10	1
PCB-1262	ND		0.30	0.14	mg/Kg	☼	09/17/15 12:18	09/17/15 18:10	1
PCB-1268	ND		0.30	0.14	mg/Kg	☼	09/17/15 12:18	09/17/15 18:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	92		60 - 154	09/17/15 12:18	09/17/15 18:10	1
DCB Decachlorobiphenyl	85		65 - 174	09/17/15 12:18	09/17/15 18:10	1

**Client Sample ID: CSW-53**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-10**

**Matrix: Solid**

**Percent Solids: 89.9**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.20	0.040	mg/Kg	☼	09/16/15 08:17	09/16/15 23:57	1
PCB-1221	ND		0.20	0.040	mg/Kg	☼	09/16/15 08:17	09/16/15 23:57	1
PCB-1232	ND		0.20	0.040	mg/Kg	☼	09/16/15 08:17	09/16/15 23:57	1
PCB-1242	ND		0.20	0.040	mg/Kg	☼	09/16/15 08:17	09/16/15 23:57	1
PCB-1248	1.9		0.20	0.040	mg/Kg	☼	09/16/15 08:17	09/16/15 23:57	1
PCB-1254	2.5		0.20	0.096	mg/Kg	☼	09/16/15 08:17	09/16/15 23:57	1
PCB-1260	0.92		0.20	0.096	mg/Kg	☼	09/16/15 08:17	09/16/15 23:57	1
PCB-1262	ND		0.20	0.096	mg/Kg	☼	09/16/15 08:17	09/16/15 23:57	1
PCB-1268	ND		0.20	0.096	mg/Kg	☼	09/16/15 08:17	09/16/15 23:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	82		60 - 154	09/16/15 08:17	09/16/15 23:57	1
DCB Decachlorobiphenyl	75		65 - 174	09/16/15 08:17	09/16/15 23:57	1

**Client Sample ID: CSW-54**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-11**

**Matrix: Solid**

**Percent Solids: 90.8**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.47	0.092	mg/Kg	☼	09/16/15 08:17	09/17/15 00:13	2
PCB-1221	ND		0.47	0.092	mg/Kg	☼	09/16/15 08:17	09/17/15 00:13	2
PCB-1232	ND		0.47	0.092	mg/Kg	☼	09/16/15 08:17	09/17/15 00:13	2
PCB-1242	ND		0.47	0.092	mg/Kg	☼	09/16/15 08:17	09/17/15 00:13	2
PCB-1248	4.5		0.47	0.092	mg/Kg	☼	09/16/15 08:17	09/17/15 00:13	2
PCB-1254	4.2		0.47	0.22	mg/Kg	☼	09/16/15 08:17	09/17/15 00:13	2
PCB-1260	1.5		0.47	0.22	mg/Kg	☼	09/16/15 08:17	09/17/15 00:13	2
PCB-1262	ND		0.47	0.22	mg/Kg	☼	09/16/15 08:17	09/17/15 00:13	2
PCB-1268	ND		0.47	0.22	mg/Kg	☼	09/16/15 08:17	09/17/15 00:13	2

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-87201-1

## Client Sample ID: CSW-54

Date Collected: 09/14/15 00:00

Date Received: 09/14/15 17:30

## Lab Sample ID: 480-87201-11

Matrix: Solid

Percent Solids: 90.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	90		60 - 154	09/16/15 08:17	09/17/15 00:13	2
DCB Decachlorobiphenyl	122		65 - 174	09/16/15 08:17	09/17/15 00:13	2

## Client Sample ID: CSW-55

Date Collected: 09/14/15 00:00

Date Received: 09/14/15 17:30

## Lab Sample ID: 480-87201-12

Matrix: Solid

Percent Solids: 79.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.22	0.043	mg/Kg	☼	09/16/15 08:17	09/17/15 00:29	1
PCB-1221	ND		0.22	0.043	mg/Kg	☼	09/16/15 08:17	09/17/15 00:29	1
PCB-1232	ND		0.22	0.043	mg/Kg	☼	09/16/15 08:17	09/17/15 00:29	1
PCB-1242	ND		0.22	0.043	mg/Kg	☼	09/16/15 08:17	09/17/15 00:29	1
PCB-1248	2.1		0.22	0.043	mg/Kg	☼	09/16/15 08:17	09/17/15 00:29	1
PCB-1254	2.5		0.22	0.10	mg/Kg	☼	09/16/15 08:17	09/17/15 00:29	1
PCB-1260	0.84		0.22	0.10	mg/Kg	☼	09/16/15 08:17	09/17/15 00:29	1
PCB-1262	ND		0.22	0.10	mg/Kg	☼	09/16/15 08:17	09/17/15 00:29	1
PCB-1268	ND		0.22	0.10	mg/Kg	☼	09/16/15 08:17	09/17/15 00:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	78		60 - 154				09/16/15 08:17	09/17/15 00:29	1
DCB Decachlorobiphenyl	76		65 - 174				09/16/15 08:17	09/17/15 00:29	1

## Client Sample ID: CSW-56

Date Collected: 09/14/15 00:00

Date Received: 09/14/15 17:30

## Lab Sample ID: 480-87201-13

Matrix: Solid

Percent Solids: 85.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.29	0.056	mg/Kg	☼	09/16/15 08:17	09/17/15 00:45	1
PCB-1221	ND		0.29	0.056	mg/Kg	☼	09/16/15 08:17	09/17/15 00:45	1
PCB-1232	ND		0.29	0.056	mg/Kg	☼	09/16/15 08:17	09/17/15 00:45	1
PCB-1242	ND		0.29	0.056	mg/Kg	☼	09/16/15 08:17	09/17/15 00:45	1
PCB-1248	0.62		0.29	0.056	mg/Kg	☼	09/16/15 08:17	09/17/15 00:45	1
PCB-1254	0.67		0.29	0.13	mg/Kg	☼	09/16/15 08:17	09/17/15 00:45	1
PCB-1260	0.38		0.29	0.13	mg/Kg	☼	09/16/15 08:17	09/17/15 00:45	1
PCB-1262	ND		0.29	0.13	mg/Kg	☼	09/16/15 08:17	09/17/15 00:45	1
PCB-1268	ND		0.29	0.13	mg/Kg	☼	09/16/15 08:17	09/17/15 00:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	99		60 - 154				09/16/15 08:17	09/17/15 00:45	1
DCB Decachlorobiphenyl	102		65 - 174				09/16/15 08:17	09/17/15 00:45	1

## Client Sample ID: CSW-57

Date Collected: 09/14/15 00:00

Date Received: 09/14/15 17:30

## Lab Sample ID: 480-87201-14

Matrix: Solid

Percent Solids: 89.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.049	mg/Kg	☼	09/16/15 08:17	09/17/15 01:00	1
PCB-1221	ND		0.25	0.049	mg/Kg	☼	09/16/15 08:17	09/17/15 01:00	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-1

**Client Sample ID: CSW-57**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-14**

**Matrix: Solid**

**Percent Solids: 89.8**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	ND		0.25	0.049	mg/Kg	☼	09/16/15 08:17	09/17/15 01:00	1
PCB-1242	ND		0.25	0.049	mg/Kg	☼	09/16/15 08:17	09/17/15 01:00	1
<b>PCB-1248</b>	<b>0.65</b>		0.25	0.049	mg/Kg	☼	09/16/15 08:17	09/17/15 01:00	1
<b>PCB-1254</b>	<b>0.96</b>		0.25	0.12	mg/Kg	☼	09/16/15 08:17	09/17/15 01:00	1
<b>PCB-1260</b>	<b>0.48</b>		0.25	0.12	mg/Kg	☼	09/16/15 08:17	09/17/15 01:00	1
PCB-1262	ND		0.25	0.12	mg/Kg	☼	09/16/15 08:17	09/17/15 01:00	1
PCB-1268	ND		0.25	0.12	mg/Kg	☼	09/16/15 08:17	09/17/15 01:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	102		60 - 154	09/16/15 08:17	09/17/15 01:00	1
DCB Decachlorobiphenyl	101		65 - 174	09/16/15 08:17	09/17/15 01:00	1

**Client Sample ID: CSW-58**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-15**

**Matrix: Solid**

**Percent Solids: 86.0**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.49	0.096	mg/Kg	☼	09/16/15 08:17	09/17/15 01:48	2
PCB-1221	ND		0.49	0.096	mg/Kg	☼	09/16/15 08:17	09/17/15 01:48	2
PCB-1232	ND		0.49	0.096	mg/Kg	☼	09/16/15 08:17	09/17/15 01:48	2
PCB-1242	ND		0.49	0.096	mg/Kg	☼	09/16/15 08:17	09/17/15 01:48	2
<b>PCB-1248</b>	<b>7.5</b>		0.49	0.096	mg/Kg	☼	09/16/15 08:17	09/17/15 01:48	2
<b>PCB-1254</b>	<b>4.4</b>		0.49	0.23	mg/Kg	☼	09/16/15 08:17	09/17/15 01:48	2
<b>PCB-1260</b>	<b>1.4</b>		0.49	0.23	mg/Kg	☼	09/16/15 08:17	09/17/15 01:48	2
PCB-1262	ND		0.49	0.23	mg/Kg	☼	09/16/15 08:17	09/17/15 01:48	2
PCB-1268	ND		0.49	0.23	mg/Kg	☼	09/16/15 08:17	09/17/15 01:48	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	96		60 - 154	09/16/15 08:17	09/17/15 01:48	2
DCB Decachlorobiphenyl	98		65 - 174	09/16/15 08:17	09/17/15 01:48	2

**Client Sample ID: CSW-59**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-16**

**Matrix: Solid**

**Percent Solids: 87.9**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.20	0.040	mg/Kg	☼	09/16/15 08:17	09/17/15 02:04	1
PCB-1221	ND		0.20	0.040	mg/Kg	☼	09/16/15 08:17	09/17/15 02:04	1
PCB-1232	ND		0.20	0.040	mg/Kg	☼	09/16/15 08:17	09/17/15 02:04	1
<b>PCB-1242</b>	<b>0.68</b>		0.20	0.040	mg/Kg	☼	09/16/15 08:17	09/17/15 02:04	1
PCB-1248	ND		0.20	0.040	mg/Kg	☼	09/16/15 08:17	09/17/15 02:04	1
<b>PCB-1254</b>	<b>1.8</b>		0.20	0.095	mg/Kg	☼	09/16/15 08:17	09/17/15 02:04	1
<b>PCB-1260</b>	<b>0.76</b>		0.20	0.095	mg/Kg	☼	09/16/15 08:17	09/17/15 02:04	1
PCB-1262	ND		0.20	0.095	mg/Kg	☼	09/16/15 08:17	09/17/15 02:04	1
PCB-1268	ND		0.20	0.095	mg/Kg	☼	09/16/15 08:17	09/17/15 02:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	85		60 - 154	09/16/15 08:17	09/17/15 02:04	1
DCB Decachlorobiphenyl	75		65 - 174	09/16/15 08:17	09/17/15 02:04	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-1

**Client Sample ID: CSB-10**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-17**

**Matrix: Solid**

**Percent Solids: 74.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.32	0.062	mg/Kg	☼	09/16/15 08:17	09/16/15 20:30	1
PCB-1221	ND		0.32	0.062	mg/Kg	☼	09/16/15 08:17	09/16/15 20:30	1
PCB-1232	ND		0.32	0.062	mg/Kg	☼	09/16/15 08:17	09/16/15 20:30	1
PCB-1242	ND		0.32	0.062	mg/Kg	☼	09/16/15 08:17	09/16/15 20:30	1
<b>PCB-1248</b>	<b>0.29</b>	<b>J</b>	0.32	0.062	mg/Kg	☼	09/16/15 08:17	09/16/15 20:30	1
PCB-1254	ND		0.32	0.15	mg/Kg	☼	09/16/15 08:17	09/16/15 20:30	1
PCB-1260	ND		0.32	0.15	mg/Kg	☼	09/16/15 08:17	09/16/15 20:30	1
PCB-1262	ND		0.32	0.15	mg/Kg	☼	09/16/15 08:17	09/16/15 20:30	1
PCB-1268	ND		0.32	0.15	mg/Kg	☼	09/16/15 08:17	09/16/15 20:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	92		60 - 154				09/16/15 08:17	09/16/15 20:30	1
DCB Decachlorobiphenyl	85		65 - 174				09/16/15 08:17	09/16/15 20:30	1

**Client Sample ID: CSB-11**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-18**

**Matrix: Solid**

**Percent Solids: 91.1**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.26	0.052	mg/Kg	☼	09/16/15 08:17	09/17/15 02:20	1
PCB-1221	ND		0.26	0.052	mg/Kg	☼	09/16/15 08:17	09/17/15 02:20	1
PCB-1232	ND		0.26	0.052	mg/Kg	☼	09/16/15 08:17	09/17/15 02:20	1
PCB-1242	ND		0.26	0.052	mg/Kg	☼	09/16/15 08:17	09/17/15 02:20	1
<b>PCB-1248</b>	<b>0.68</b>		0.26	0.052	mg/Kg	☼	09/16/15 08:17	09/17/15 02:20	1
PCB-1254	ND		0.26	0.12	mg/Kg	☼	09/16/15 08:17	09/17/15 02:20	1
PCB-1260	ND		0.26	0.12	mg/Kg	☼	09/16/15 08:17	09/17/15 02:20	1
PCB-1262	ND		0.26	0.12	mg/Kg	☼	09/16/15 08:17	09/17/15 02:20	1
PCB-1268	ND		0.26	0.12	mg/Kg	☼	09/16/15 08:17	09/17/15 02:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	104		60 - 154				09/16/15 08:17	09/17/15 02:20	1
DCB Decachlorobiphenyl	99		65 - 174				09/16/15 08:17	09/17/15 02:20	1

**Client Sample ID: CSB-12**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-19**

**Matrix: Solid**

**Percent Solids: 89.8**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.24	0.046	mg/Kg	☼	09/16/15 08:21	09/17/15 02:36	1
PCB-1221	ND		0.24	0.046	mg/Kg	☼	09/16/15 08:21	09/17/15 02:36	1
PCB-1232	ND		0.24	0.046	mg/Kg	☼	09/16/15 08:21	09/17/15 02:36	1
<b>PCB-1242</b>	<b>0.57</b>		0.24	0.046	mg/Kg	☼	09/16/15 08:21	09/17/15 02:36	1
PCB-1248	ND		0.24	0.046	mg/Kg	☼	09/16/15 08:21	09/17/15 02:36	1
<b>PCB-1254</b>	<b>1.0</b>		0.24	0.11	mg/Kg	☼	09/16/15 08:21	09/17/15 02:36	1
<b>PCB-1260</b>	<b>0.39</b>		0.24	0.11	mg/Kg	☼	09/16/15 08:21	09/17/15 02:36	1
PCB-1262	ND		0.24	0.11	mg/Kg	☼	09/16/15 08:21	09/17/15 02:36	1
PCB-1268	ND		0.24	0.11	mg/Kg	☼	09/16/15 08:21	09/17/15 02:36	1

TestAmerica Buffalo



# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-87201-1

## Client Sample ID: CSB-12

Date Collected: 09/14/15 00:00

Date Received: 09/14/15 17:30

## Lab Sample ID: 480-87201-19

Matrix: Solid

Percent Solids: 89.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	95		60 - 154	09/16/15 08:21	09/17/15 02:36	1
DCB Decachlorobiphenyl	89		65 - 174	09/16/15 08:21	09/17/15 02:36	1

## Client Sample ID: ERB-4

Date Collected: 09/14/15 00:00

Date Received: 09/14/15 17:30

## Lab Sample ID: 480-87201-20

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		09/15/15 14:07	09/16/15 17:03	1
PCB-1221	ND		0.50	0.18	ug/L		09/15/15 14:07	09/16/15 17:03	1
PCB-1232	ND		0.50	0.18	ug/L		09/15/15 14:07	09/16/15 17:03	1
PCB-1242	ND		0.50	0.18	ug/L		09/15/15 14:07	09/16/15 17:03	1
PCB-1248	ND		0.50	0.18	ug/L		09/15/15 14:07	09/16/15 17:03	1
PCB-1254	ND		0.50	0.25	ug/L		09/15/15 14:07	09/16/15 17:03	1
PCB-1260	ND		0.50	0.25	ug/L		09/15/15 14:07	09/16/15 17:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	58		19 - 125				09/15/15 14:07	09/16/15 17:03	1
Tetrachloro-m-xylene	72		24 - 137				09/15/15 14:07	09/16/15 17:03	1

# Surrogate Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-87201-1

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TCX1 (60-154)	DCB1 (65-174)
480-87201-1	CSW-44	87	79
480-87201-2	CSW-45	94	90
480-87201-3	CSW-46	80	68
480-87201-4	CSW-47	83	68
480-87201-5	CSW-48	89	79
480-87201-6	CSW-49	98	102
480-87201-7	CSW-50	97	111
480-87201-8	CSW-51	90	75
480-87201-9 - RE	CSW-52	92	85
480-87201-9 DU - RE	CSW-52	93	82
480-87201-10	CSW-53	82	75
480-87201-11	CSW-54	90	122
480-87201-12	CSW-55	78	76
480-87201-13	CSW-56	99	102
480-87201-14	CSW-57	102	101
480-87201-15	CSW-58	96	98
480-87201-16	CSW-59	85	75
480-87201-17	CSB-10	92	85
480-87201-17 MS	CSB-10	119	117
480-87201-17 MSD	CSB-10	116	115
480-87201-18	CSB-11	104	99
480-87201-19	CSB-12	95	89
LCS 480-263806/2-A	Lab Control Sample	125	122
LCS 480-264056/2-A	Lab Control Sample	120	115
MB 480-263806/1-A	Method Blank	103	104
MB 480-264056/1-A	Method Blank	104	104

### Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCB1 (19-125)	TCX1 (24-137)
480-87201-20	ERB-4	58	72
LCS 480-263691/2-A	Lab Control Sample	34	71
LCSD 480-263691/3-A	Lab Control Sample Dup	34	64
MB 480-263691/1-A	Method Blank	60	69

### Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

TestAmerica Buffalo



# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-1

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

Lab Sample ID: MB 480-263691/1-A

Matrix: Water

Analysis Batch: 263878

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 263691

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		09/15/15 14:07	09/16/15 13:36	1
PCB-1221	ND		0.50	0.18	ug/L		09/15/15 14:07	09/16/15 13:36	1
PCB-1232	ND		0.50	0.18	ug/L		09/15/15 14:07	09/16/15 13:36	1
PCB-1242	ND		0.50	0.18	ug/L		09/15/15 14:07	09/16/15 13:36	1
PCB-1248	ND		0.50	0.18	ug/L		09/15/15 14:07	09/16/15 13:36	1
PCB-1254	ND		0.50	0.25	ug/L		09/15/15 14:07	09/16/15 13:36	1
PCB-1260	ND		0.50	0.25	ug/L		09/15/15 14:07	09/16/15 13:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	69		24 - 137	09/15/15 14:07	09/16/15 13:36	1
DCB Decachlorobiphenyl	60		19 - 125	09/15/15 14:07	09/16/15 13:36	1

Lab Sample ID: LCS 480-263691/2-A

Matrix: Water

Analysis Batch: 263878

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 263691

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
PCB-1016	4.00	3.59		ug/L		90	62 - 130
PCB-1260	4.00	3.28		ug/L		82	56 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	71		24 - 137
DCB Decachlorobiphenyl	34		19 - 125

Lab Sample ID: LCSD 480-263691/3-A

Matrix: Water

Analysis Batch: 263878

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 263691

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
PCB-1016	4.00	3.16		ug/L		79	62 - 130	13	50
PCB-1260	4.00	3.20		ug/L		80	56 - 123	2	50

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Tetrachloro-m-xylene	64		24 - 137
DCB Decachlorobiphenyl	34		19 - 125

Lab Sample ID: MB 480-263806/1-A

Matrix: Solid

Analysis Batch: 263984

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 263806

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.23	0.044	mg/Kg		09/16/15 08:17	09/16/15 19:26	1
PCB-1221	ND		0.23	0.044	mg/Kg		09/16/15 08:17	09/16/15 19:26	1
PCB-1232	ND		0.23	0.044	mg/Kg		09/16/15 08:17	09/16/15 19:26	1
PCB-1242	ND		0.23	0.044	mg/Kg		09/16/15 08:17	09/16/15 19:26	1
PCB-1248	ND		0.23	0.044	mg/Kg		09/16/15 08:17	09/16/15 19:26	1
PCB-1254	ND		0.23	0.11	mg/Kg		09/16/15 08:17	09/16/15 19:26	1

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-87201-1

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

Lab Sample ID: MB 480-263806/1-A

Matrix: Solid

Analysis Batch: 263984

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 263806

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1260	ND		0.23	0.11	mg/Kg		09/16/15 08:17	09/16/15 19:26	1
PCB-1262	ND		0.23	0.11	mg/Kg		09/16/15 08:17	09/16/15 19:26	1
PCB-1268	ND		0.23	0.11	mg/Kg		09/16/15 08:17	09/16/15 19:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	103		60 - 154	09/16/15 08:17	09/16/15 19:26	1
DCB Decachlorobiphenyl	104		65 - 174	09/16/15 08:17	09/16/15 19:26	1

Lab Sample ID: LCS 480-263806/2-A

Matrix: Solid

Analysis Batch: 263984

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 263806

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
PCB-1016	2.30	2.74		mg/Kg		119	51 - 185
PCB-1260	2.30	3.09		mg/Kg		134	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	125		60 - 154
DCB Decachlorobiphenyl	122		65 - 174

Lab Sample ID: 480-87201-17 MS

Matrix: Solid

Analysis Batch: 263984

Client Sample ID: CSB-10

Prep Type: Total/NA

Prep Batch: 263806

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
PCB-1016	ND		2.98	3.34		mg/Kg	☼	112	50 - 177
PCB-1260	ND		2.98	3.71		mg/Kg	☼	125	33 - 200

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene	119		60 - 154
DCB Decachlorobiphenyl	117		65 - 174

Lab Sample ID: 480-87201-17 MSD

Matrix: Solid

Analysis Batch: 263984

Client Sample ID: CSB-10

Prep Type: Total/NA

Prep Batch: 263806

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
PCB-1016	ND		3.35	3.91		mg/Kg	☼	117	50 - 177	15	50
PCB-1260	ND		3.35	4.28		mg/Kg	☼	128	33 - 200	14	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Tetrachloro-m-xylene	116		60 - 154
DCB Decachlorobiphenyl	115		65 - 174

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-1

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

Lab Sample ID: MB 480-264056/1-A

Matrix: Solid

Analysis Batch: 264131

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 264056

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.22	0.043	mg/Kg		09/17/15 07:56	09/17/15 16:50	1
PCB-1221	ND		0.22	0.043	mg/Kg		09/17/15 07:56	09/17/15 16:50	1
PCB-1232	ND		0.22	0.043	mg/Kg		09/17/15 07:56	09/17/15 16:50	1
PCB-1242	ND		0.22	0.043	mg/Kg		09/17/15 07:56	09/17/15 16:50	1
PCB-1248	ND		0.22	0.043	mg/Kg		09/17/15 07:56	09/17/15 16:50	1
PCB-1254	ND		0.22	0.10	mg/Kg		09/17/15 07:56	09/17/15 16:50	1
PCB-1260	ND		0.22	0.10	mg/Kg		09/17/15 07:56	09/17/15 16:50	1
PCB-1262	ND		0.22	0.10	mg/Kg		09/17/15 07:56	09/17/15 16:50	1
PCB-1268	ND		0.22	0.10	mg/Kg		09/17/15 07:56	09/17/15 16:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	104		60 - 154	09/17/15 07:56	09/17/15 16:50	1
DCB Decachlorobiphenyl	104		65 - 174	09/17/15 07:56	09/17/15 16:50	1

Lab Sample ID: LCS 480-264056/2-A

Matrix: Solid

Analysis Batch: 264131

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 264056

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
PCB-1016	1.79	2.02		mg/Kg		113	51 - 185
PCB-1260	1.79	2.28		mg/Kg		127	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	120		60 - 154
DCB Decachlorobiphenyl	115		65 - 174

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

Lab Sample ID: 480-87201-9 DU

Matrix: Solid

Analysis Batch: 264131

Client Sample ID: CSW-52

Prep Type: Total/NA

Prep Batch: 264056

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
PCB-1016 - RE	ND		ND		mg/Kg	⊛	NC	50
PCB-1221 - RE	ND		ND		mg/Kg	⊛	NC	
PCB-1232 - RE	ND		ND		mg/Kg	⊛	NC	
PCB-1242 - RE	ND		ND		mg/Kg	⊛	NC	
PCB-1248 - RE	1.7		1.65		mg/Kg	⊛	3	
PCB-1254 - RE	ND		ND		mg/Kg	⊛	NC	
PCB-1260 - RE	ND		ND		mg/Kg	⊛	NC	50
PCB-1262 - RE	ND		ND		mg/Kg	⊛	NC	
PCB-1268 - RE	ND		ND		mg/Kg	⊛	NC	

Surrogate	DU %Recovery	DU Qualifier	Limits
Tetrachloro-m-xylene - RE	93		60 - 154
DCB Decachlorobiphenyl - RE	82		65 - 174

TestAmerica Buffalo

# QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-1

## GC Semi VOA

### Prep Batch: 263691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87201-20	ERB-4	Total/NA	Water	3510C	
LCS 480-263691/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-263691/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 480-263691/1-A	Method Blank	Total/NA	Water	3510C	

### Prep Batch: 263806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87201-1	CSW-44	Total/NA	Solid	3550C	
480-87201-2	CSW-45	Total/NA	Solid	3550C	
480-87201-3	CSW-46	Total/NA	Solid	3550C	
480-87201-4	CSW-47	Total/NA	Solid	3550C	
480-87201-5	CSW-48	Total/NA	Solid	3550C	
480-87201-6	CSW-49	Total/NA	Solid	3550C	
480-87201-7	CSW-50	Total/NA	Solid	3550C	
480-87201-8	CSW-51	Total/NA	Solid	3550C	
480-87201-10	CSW-53	Total/NA	Solid	3550C	
480-87201-11	CSW-54	Total/NA	Solid	3550C	
480-87201-12	CSW-55	Total/NA	Solid	3550C	
480-87201-13	CSW-56	Total/NA	Solid	3550C	
480-87201-14	CSW-57	Total/NA	Solid	3550C	
480-87201-15	CSW-58	Total/NA	Solid	3550C	
480-87201-16	CSW-59	Total/NA	Solid	3550C	
480-87201-17	CSB-10	Total/NA	Solid	3550C	
480-87201-17 MS	CSB-10	Total/NA	Solid	3550C	
480-87201-17 MSD	CSB-10	Total/NA	Solid	3550C	
480-87201-18	CSB-11	Total/NA	Solid	3550C	
480-87201-19	CSB-12	Total/NA	Solid	3550C	
LCS 480-263806/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 480-263806/1-A	Method Blank	Total/NA	Solid	3550C	

### Analysis Batch: 263878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87201-20	ERB-4	Total/NA	Water	8082A	263691
LCS 480-263691/2-A	Lab Control Sample	Total/NA	Water	8082A	263691
LCSD 480-263691/3-A	Lab Control Sample Dup	Total/NA	Water	8082A	263691
MB 480-263691/1-A	Method Blank	Total/NA	Water	8082A	263691

### Analysis Batch: 263984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87201-1	CSW-44	Total/NA	Solid	8082A	263806
480-87201-2	CSW-45	Total/NA	Solid	8082A	263806
480-87201-3	CSW-46	Total/NA	Solid	8082A	263806
480-87201-4	CSW-47	Total/NA	Solid	8082A	263806
480-87201-5	CSW-48	Total/NA	Solid	8082A	263806
480-87201-6	CSW-49	Total/NA	Solid	8082A	263806
480-87201-7	CSW-50	Total/NA	Solid	8082A	263806
480-87201-8	CSW-51	Total/NA	Solid	8082A	263806
480-87201-10	CSW-53	Total/NA	Solid	8082A	263806
480-87201-11	CSW-54	Total/NA	Solid	8082A	263806
480-87201-12	CSW-55	Total/NA	Solid	8082A	263806
480-87201-13	CSW-56	Total/NA	Solid	8082A	263806

TestAmerica Buffalo

# QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-87201-1

## GC Semi VOA (Continued)

### Analysis Batch: 263984 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87201-14	CSW-57	Total/NA	Solid	8082A	263806
480-87201-15	CSW-58	Total/NA	Solid	8082A	263806
480-87201-16	CSW-59	Total/NA	Solid	8082A	263806
480-87201-17	CSB-10	Total/NA	Solid	8082A	263806
480-87201-17 MS	CSB-10	Total/NA	Solid	8082A	263806
480-87201-17 MSD	CSB-10	Total/NA	Solid	8082A	263806
480-87201-18	CSB-11	Total/NA	Solid	8082A	263806
480-87201-19	CSB-12	Total/NA	Solid	8082A	263806
LCS 480-263806/2-A	Lab Control Sample	Total/NA	Solid	8082A	263806
MB 480-263806/1-A	Method Blank	Total/NA	Solid	8082A	263806

### Prep Batch: 264056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87201-9 - RE	CSW-52	Total/NA	Solid	3550C	
480-87201-9 DU - RE	CSW-52	Total/NA	Solid	3550C	
LCS 480-264056/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 480-264056/1-A	Method Blank	Total/NA	Solid	3550C	

### Analysis Batch: 264131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87201-9 - RE	CSW-52	Total/NA	Solid	8082A	264056
480-87201-9 DU - RE	CSW-52	Total/NA	Solid	8082A	264056
LCS 480-264056/2-A	Lab Control Sample	Total/NA	Solid	8082A	264056
MB 480-264056/1-A	Method Blank	Total/NA	Solid	8082A	264056

## General Chemistry

### Analysis Batch: 263547

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87201-1	CSW-44	Total/NA	Solid	Moisture	
480-87201-2	CSW-45	Total/NA	Solid	Moisture	
480-87201-3	CSW-46	Total/NA	Solid	Moisture	
480-87201-4	CSW-47	Total/NA	Solid	Moisture	
480-87201-5	CSW-48	Total/NA	Solid	Moisture	
480-87201-6	CSW-49	Total/NA	Solid	Moisture	
480-87201-7	CSW-50	Total/NA	Solid	Moisture	
480-87201-8	CSW-51	Total/NA	Solid	Moisture	
480-87201-9	CSW-52	Total/NA	Solid	Moisture	
480-87201-9 DU	CSW-52	Total/NA	Solid	Moisture	
480-87201-10	CSW-53	Total/NA	Solid	Moisture	
480-87201-11	CSW-54	Total/NA	Solid	Moisture	
480-87201-12	CSW-55	Total/NA	Solid	Moisture	
480-87201-13	CSW-56	Total/NA	Solid	Moisture	
480-87201-14	CSW-57	Total/NA	Solid	Moisture	
480-87201-15	CSW-58	Total/NA	Solid	Moisture	
480-87201-16	CSW-59	Total/NA	Solid	Moisture	
480-87201-17	CSB-10	Total/NA	Solid	Moisture	
480-87201-17 MS	CSB-10	Total/NA	Solid	Moisture	
480-87201-17 MSD	CSB-10	Total/NA	Solid	Moisture	
480-87201-18	CSB-11	Total/NA	Solid	Moisture	

TestAmerica Buffalo

## QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-87201-1

### General Chemistry (Continued)

#### Analysis Batch: 263547 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87201-19	CSB-12	Total/NA	Solid	Moisture	

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-1

**Client Sample ID: CSW-44**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-1**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	263547	09/15/15 05:21	CSW	TAL BUF

**Client Sample ID: CSW-44**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-1**

**Matrix: Solid**

**Percent Solids: 83.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			263806	09/16/15 08:17	TRG	TAL BUF
Total/NA	Analysis	8082A		1	263984	09/16/15 20:46	KS	TAL BUF

**Client Sample ID: CSW-45**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-2**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	263547	09/15/15 05:21	CSW	TAL BUF

**Client Sample ID: CSW-45**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-2**

**Matrix: Solid**

**Percent Solids: 86.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			263806	09/16/15 08:17	TRG	TAL BUF
Total/NA	Analysis	8082A		1	263984	09/16/15 21:02	KS	TAL BUF

**Client Sample ID: CSW-46**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-3**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	263547	09/15/15 05:21	CSW	TAL BUF

**Client Sample ID: CSW-46**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-3**

**Matrix: Solid**

**Percent Solids: 78.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			263806	09/16/15 08:17	TRG	TAL BUF
Total/NA	Analysis	8082A		1	263984	09/16/15 21:17	KS	TAL BUF

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-1

**Client Sample ID: CSW-47**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-4**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	263547	09/15/15 05:21	CSW	TAL BUF

**Client Sample ID: CSW-47**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-4**

**Matrix: Solid**

**Percent Solids: 77.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			263806	09/16/15 08:17	TRG	TAL BUF
Total/NA	Analysis	8082A		1	263984	09/16/15 21:34	KS	TAL BUF

**Client Sample ID: CSW-48**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-5**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	263547	09/15/15 05:21	CSW	TAL BUF

**Client Sample ID: CSW-48**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-5**

**Matrix: Solid**

**Percent Solids: 76.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			263806	09/16/15 08:17	TRG	TAL BUF
Total/NA	Analysis	8082A		1	263984	09/16/15 21:49	KS	TAL BUF

**Client Sample ID: CSW-49**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-6**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	263547	09/15/15 05:21	CSW	TAL BUF

**Client Sample ID: CSW-49**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-6**

**Matrix: Solid**

**Percent Solids: 93.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			263806	09/16/15 08:17	TRG	TAL BUF
Total/NA	Analysis	8082A		1	263984	09/16/15 22:37	KS	TAL BUF

TestAmerica Buffalo



# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-1

**Client Sample ID: CSW-50**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-7**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	263547	09/15/15 05:21	CSW	TAL BUF

**Client Sample ID: CSW-50**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-7**

**Matrix: Solid**

**Percent Solids: 85.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			263806	09/16/15 08:17	TRG	TAL BUF
Total/NA	Analysis	8082A		10	263984	09/16/15 22:53	KS	TAL BUF

**Client Sample ID: CSW-51**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-8**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	263547	09/15/15 05:21	CSW	TAL BUF

**Client Sample ID: CSW-51**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-8**

**Matrix: Solid**

**Percent Solids: 82.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			263806	09/16/15 08:17	TRG	TAL BUF
Total/NA	Analysis	8082A		1	263984	09/16/15 23:09	KS	TAL BUF

**Client Sample ID: CSW-52**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-9**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	263547	09/15/15 05:21	CSW	TAL BUF

**Client Sample ID: CSW-52**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-9**

**Matrix: Solid**

**Percent Solids: 78.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C	RE		264056	09/17/15 12:18	RMZ	TAL BUF
Total/NA	Analysis	8082A	RE	1	264131	09/17/15 18:10	KS	TAL BUF

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-1

**Client Sample ID: CSW-53**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-10**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	263547	09/15/15 05:21	CSW	TAL BUF

**Client Sample ID: CSW-53**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-10**

**Matrix: Solid**

**Percent Solids: 89.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			263806	09/16/15 08:17	TRG	TAL BUF
Total/NA	Analysis	8082A		1	263984	09/16/15 23:57	KS	TAL BUF

**Client Sample ID: CSW-54**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-11**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	263547	09/15/15 05:21	CSW	TAL BUF

**Client Sample ID: CSW-54**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-11**

**Matrix: Solid**

**Percent Solids: 90.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			263806	09/16/15 08:17	TRG	TAL BUF
Total/NA	Analysis	8082A		2	263984	09/17/15 00:13	KS	TAL BUF

**Client Sample ID: CSW-55**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-12**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	263547	09/15/15 05:21	CSW	TAL BUF

**Client Sample ID: CSW-55**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-12**

**Matrix: Solid**

**Percent Solids: 79.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			263806	09/16/15 08:17	TRG	TAL BUF
Total/NA	Analysis	8082A		1	263984	09/17/15 00:29	KS	TAL BUF

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-1

**Client Sample ID: CSW-56**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-13**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	263547	09/15/15 05:21	CSW	TAL BUF

**Client Sample ID: CSW-56**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-13**

**Matrix: Solid**

**Percent Solids: 85.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			263806	09/16/15 08:17	TRG	TAL BUF
Total/NA	Analysis	8082A		1	263984	09/17/15 00:45	KS	TAL BUF

**Client Sample ID: CSW-57**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-14**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	263547	09/15/15 05:21	CSW	TAL BUF

**Client Sample ID: CSW-57**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-14**

**Matrix: Solid**

**Percent Solids: 89.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			263806	09/16/15 08:17	TRG	TAL BUF
Total/NA	Analysis	8082A		1	263984	09/17/15 01:00	KS	TAL BUF

**Client Sample ID: CSW-58**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-15**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	263547	09/15/15 05:21	CSW	TAL BUF

**Client Sample ID: CSW-58**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-15**

**Matrix: Solid**

**Percent Solids: 86.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			263806	09/16/15 08:17	TRG	TAL BUF
Total/NA	Analysis	8082A		2	263984	09/17/15 01:48	KS	TAL BUF

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-1

**Client Sample ID: CSW-59**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-16**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	263547	09/15/15 05:21	CSW	TAL BUF

**Client Sample ID: CSW-59**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-16**

**Matrix: Solid**

**Percent Solids: 87.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			263806	09/16/15 08:17	TRG	TAL BUF
Total/NA	Analysis	8082A		1	263984	09/17/15 02:04	KS	TAL BUF

**Client Sample ID: CSB-10**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-17**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	263547	09/15/15 05:21	CSW	TAL BUF

**Client Sample ID: CSB-10**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-17**

**Matrix: Solid**

**Percent Solids: 74.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			263806	09/16/15 08:17	TRG	TAL BUF
Total/NA	Analysis	8082A		1	263984	09/16/15 20:30	KS	TAL BUF

**Client Sample ID: CSB-11**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-18**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	263547	09/15/15 05:21	CSW	TAL BUF

**Client Sample ID: CSB-11**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-18**

**Matrix: Solid**

**Percent Solids: 91.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			263806	09/16/15 08:17	TRG	TAL BUF
Total/NA	Analysis	8082A		1	263984	09/17/15 02:20	KS	TAL BUF

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-87201-1

**Client Sample ID: CSB-12**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-19**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	263547	09/15/15 05:21	CSW	TAL BUF

**Client Sample ID: CSB-12**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-19**

**Matrix: Solid**

**Percent Solids: 89.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			263806	09/16/15 08:21	TRG	TAL BUF
Total/NA	Analysis	8082A		1	263984	09/17/15 02:36	KS	TAL BUF

**Client Sample ID: ERB-4**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-20**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			263691	09/15/15 14:07	CPH	TAL BUF
Total/NA	Analysis	8082A		1	263878	09/16/15 17:03	KS	TAL BUF

## Laboratory References:

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

# Certification Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-1

## 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	03-31-16

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

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

## Method Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-1

Method	Method Description	Protocol	Laboratory
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	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

# Sample Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-87201-1	CSW-44	Solid	09/14/15 00:00	09/14/15 17:30
480-87201-2	CSW-45	Solid	09/14/15 00:00	09/14/15 17:30
480-87201-3	CSW-46	Solid	09/14/15 00:00	09/14/15 17:30
480-87201-4	CSW-47	Solid	09/14/15 00:00	09/14/15 17:30
480-87201-5	CSW-48	Solid	09/14/15 00:00	09/14/15 17:30
480-87201-6	CSW-49	Solid	09/14/15 00:00	09/14/15 17:30
480-87201-7	CSW-50	Solid	09/14/15 00:00	09/14/15 17:30
480-87201-8	CSW-51	Solid	09/14/15 00:00	09/14/15 17:30
480-87201-9	CSW-52	Solid	09/14/15 00:00	09/14/15 17:30
480-87201-10	CSW-53	Solid	09/14/15 00:00	09/14/15 17:30
480-87201-11	CSW-54	Solid	09/14/15 00:00	09/14/15 17:30
480-87201-12	CSW-55	Solid	09/14/15 00:00	09/14/15 17:30
480-87201-13	CSW-56	Solid	09/14/15 00:00	09/14/15 17:30
480-87201-14	CSW-57	Solid	09/14/15 00:00	09/14/15 17:30
480-87201-15	CSW-58	Solid	09/14/15 00:00	09/14/15 17:30
480-87201-16	CSW-59	Solid	09/14/15 00:00	09/14/15 17:30
480-87201-17	CSB-10	Solid	09/14/15 00:00	09/14/15 17:30
480-87201-18	CSB-11	Solid	09/14/15 00:00	09/14/15 17:30
480-87201-19	CSB-12	Solid	09/14/15 00:00	09/14/15 17:30
480-87201-20	ERB-4	Water	09/14/15 00:00	09/14/15 17:30




## Chain of Custody Record

TAL-4124 (1007)

Temperature on Receipt \_\_\_\_\_

Drinking Water? Yes ☐ No ☒

Client <b>Iyer Environmental Group</b>	Project Manager <b>Dharma Iyer</b>	Date <b>Sep 14, 2015</b>	Chain of Custody Number <b>264472</b>
Address <b>44 Rolling Hills Dr</b>	Telephone Number (Area Code)/Fax Number <b>(716) 662-4157</b>	Lab Number	Page <b>1</b> of <b>2</b>
City <b>Orchard Park</b>	State <b>NY</b>	Zip Code <b>14127</b>	
Project Name and Location (State) <b>132 Dingers St (NY)</b>	Site Contact <b>R. Allen</b>	Lab Contact <b>M. Deyo</b>	
Contract/Purchase Order/Quote No.	Carrier/Waybill Number		

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives				Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt		
			Air	Aqueous	Sed	Soil	Unpres.	H2SO4	HNO3	HCl			NaOH	ZnAc/NaOH
CSW-44	Sep 14, 2015					✓			✓				 480-87201 Chain of Custody	Cat B
CSW-45						✓			✓					
CSW-46						✓			✓					
CSW-47						✓			✓					
CSW-48						✓			✓					
CSW-49						✓			✓					
CSW-50						✓			✓					
CSW-51						✓			✓					
CSW-52						✓			✓					
CSW-53						✓			✓					
CSW-54						✓			✓			Field Dyp		
CSW-55						✓			✓					

Possible Hazard Identification		Sample Disposal	
<input checked="" type="checkbox"/> Non-Hazard	<input type="checkbox"/> Flammable	<input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Poison B
Turn Around Time Required		Return To Client	
<input type="checkbox"/> 24 Hours	<input type="checkbox"/> 48 Hours	<input checked="" type="checkbox"/> 7 Days	<input type="checkbox"/> 14 Days
1. Relinquished By <b>Richard C Allen Jr</b>		QC Requirements (Specify)	
Date <b>9/14/15</b>	Time	1. Received By <b>Durackow TA</b>	
Date	Time	2. Received By	
Date	Time	3. Received By	

Comments  
**Temp 21.7 #110 ICE**



## Login Sample Receipt Checklist

Client: Iyer Environmental Group, LLC

Job Number: 480-87201-1

**Login Number: 87201**

**List Source: TestAmerica Buffalo**

**List Number: 1**

**Creator: Williams, Christopher S**

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.	False	Sample times not listed
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.	False	Sample times not listed on labels
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	False	Additional containers for MS/MSD not provided
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
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	IYER
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	

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-87201-2

Client Project/Site: 132 Dingens

Revision: 1

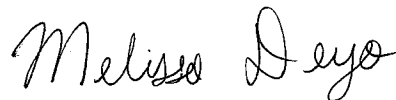
For:

Iyer Environmental Group, LLC

44 Rolling Hills Drive

Orchard Park, New York 14127

Attn: Dr. Dharmarajan R Iyer



Authorized for release by:

9/29/2015 1:18:18 PM

Melissa Deyo, Project Manager I

(716)504-9874

[melissa.deyo@testamericainc.com](mailto:melissa.deyo@testamericainc.com)

### LINKS

Review your project  
results through

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*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.*

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## Definitions/Glossary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-2

### Qualifiers

#### 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.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
X	Surrogate is outside control limits

#### Metals

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)

# Case Narrative

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-2

**Job ID: 480-87201-2**

**Laboratory: TestAmerica Buffalo**

## Narrative

### Job Narrative 480-87201-2

#### Revision I

This report was revised to add Total Lead to the following sample: CSW-48 (480-87201-5). and to add SVOC analysis to all the samples.

#### Receipt

The samples were received on 9/14/2015 5:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 21.7° C.

#### Receipt Exceptions

Sample times not listed on COC or labels. Entered a time of 0000 for login.

#### GC/MS Semi VOA

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-265604 recovered above the upper control limit for 2,2'-oxybis[1-chloropropane]. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: CSW-44 (480-87201-1), CSW-45 (480-87201-2), CSW-46 (480-87201-3), CSW-47 (480-87201-4), CSW-48 (480-87201-5), CSB-10 (480-87201-17), CSB-10 (480-87201-17[MS]) and CSB-10 (480-87201-17[MSD]).

Method(s) 8270D: The following samples was diluted due to the nature of the sample matrix: CSW-44 (480-87201-1), CSW-45 (480-87201-2), CSW-46 (480-87201-3), CSW-47 (480-87201-4), CSW-48 (480-87201-5), CSB-10 (480-87201-17), CSB-10 (480-87201-17[MS]) and CSB-10 (480-87201-17[MSD]). As such, surrogate and spike recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

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

#### Metals

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

#### Organic Prep

Method(s) 3550C: Elevated reporting limits are provided for the following samples due to insufficient sample provided for preparation: CSB-10 (480-87201-17[MS]) and CSB-10 (480-87201-17[MSD]).

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



# Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-2

## Client Sample ID: CSW-44

## Lab Sample ID: 480-87201-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	2200	J	4000	980	ug/Kg	20	✱	8270D	Total/NA
Benzo[a]anthracene	9800		4000	400	ug/Kg	20	✱	8270D	Total/NA
Benzo[a]pyrene	7600		4000	580	ug/Kg	20	✱	8270D	Total/NA
Benzo[b]fluoranthene	11000		4000	630	ug/Kg	20	✱	8270D	Total/NA
Benzo[g,h,i]perylene	6000		4000	420	ug/Kg	20	✱	8270D	Total/NA
Benzo[k]fluoranthene	4100		4000	510	ug/Kg	20	✱	8270D	Total/NA
Carbazole	860	J	4000	470	ug/Kg	20	✱	8270D	Total/NA
Chrysene	10000		4000	890	ug/Kg	20	✱	8270D	Total/NA
Fluoranthene	20000		4000	420	ug/Kg	20	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	5200		4000	490	ug/Kg	20	✱	8270D	Total/NA
Phenanthrene	11000		4000	580	ug/Kg	20	✱	8270D	Total/NA
Pyrene	17000		4000	470	ug/Kg	20	✱	8270D	Total/NA
Lead	5200		1.2	0.28	mg/Kg	1	✱	6010C	Total/NA

## Client Sample ID: CSW-45

## Lab Sample ID: 480-87201-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	740	J	3800	560	ug/Kg	20	✱	8270D	Total/NA
Anthracene	1800	J	3800	940	ug/Kg	20	✱	8270D	Total/NA
Benzo[a]anthracene	5800		3800	380	ug/Kg	20	✱	8270D	Total/NA
Benzo[a]pyrene	4900		3800	560	ug/Kg	20	✱	8270D	Total/NA
Benzo[b]fluoranthene	5800		3800	610	ug/Kg	20	✱	8270D	Total/NA
Benzo[g,h,i]perylene	4000		3800	400	ug/Kg	20	✱	8270D	Total/NA
Benzo[k]fluoranthene	3200	J	3800	490	ug/Kg	20	✱	8270D	Total/NA
Carbazole	820	J	3800	450	ug/Kg	20	✱	8270D	Total/NA
Chrysene	5900		3800	850	ug/Kg	20	✱	8270D	Total/NA
Fluoranthene	12000		3800	400	ug/Kg	20	✱	8270D	Total/NA
Fluorene	870	J	3800	450	ug/Kg	20	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	3400	J	3800	470	ug/Kg	20	✱	8270D	Total/NA
Phenanthrene	7600		3800	560	ug/Kg	20	✱	8270D	Total/NA
Pyrene	9600		3800	450	ug/Kg	20	✱	8270D	Total/NA
Lead	1080		1.2	0.29	mg/Kg	1	✱	6010C	Total/NA

## Client Sample ID: CSW-46

## Lab Sample ID: 480-87201-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	690	J	4300	630	ug/Kg	20	✱	8270D	Total/NA
Anthracene	1800	J	4300	1100	ug/Kg	20	✱	8270D	Total/NA
Benzo[a]anthracene	4100	J	4300	430	ug/Kg	20	✱	8270D	Total/NA
Benzo[a]pyrene	3300	J	4300	630	ug/Kg	20	✱	8270D	Total/NA
Benzo[b]fluoranthene	3700	J	4300	680	ug/Kg	20	✱	8270D	Total/NA
Benzo[g,h,i]perylene	2800	J	4300	450	ug/Kg	20	✱	8270D	Total/NA
Benzo[k]fluoranthene	2000	J	4300	550	ug/Kg	20	✱	8270D	Total/NA
Carbazole	780	J	4300	500	ug/Kg	20	✱	8270D	Total/NA
Chrysene	4100	J	4300	950	ug/Kg	20	✱	8270D	Total/NA
Fluoranthene	11000		4300	450	ug/Kg	20	✱	8270D	Total/NA
Fluorene	1000	J	4300	500	ug/Kg	20	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	2200	J	4300	530	ug/Kg	20	✱	8270D	Total/NA
Phenanthrene	8500		4300	630	ug/Kg	20	✱	8270D	Total/NA
Pyrene	8100		4300	500	ug/Kg	20	✱	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo



# Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-2

## Client Sample ID: CSW-46 (Continued)

## Lab Sample ID: 480-87201-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1750		1.2	0.30	mg/Kg	1	☼	6010C	Total/NA

## Client Sample ID: CSW-47

## Lab Sample ID: 480-87201-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	1400	J	4300	1100	ug/Kg	20	☼	8270D	Total/NA
Benzo[a]anthracene	4600		4300	430	ug/Kg	20	☼	8270D	Total/NA
Benzo[a]pyrene	3500	J	4300	640	ug/Kg	20	☼	8270D	Total/NA
Benzo[b]fluoranthene	4700		4300	690	ug/Kg	20	☼	8270D	Total/NA
Benzo[g,h,i]perylene	2800	J	4300	460	ug/Kg	20	☼	8270D	Total/NA
Benzo[k]fluoranthene	1800	J	4300	560	ug/Kg	20	☼	8270D	Total/NA
Carbazole	670	J	4300	510	ug/Kg	20	☼	8270D	Total/NA
Chrysene	4100	J	4300	970	ug/Kg	20	☼	8270D	Total/NA
Fluoranthene	9300		4300	460	ug/Kg	20	☼	8270D	Total/NA
Fluorene	640	J	4300	510	ug/Kg	20	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	2200	J	4300	530	ug/Kg	20	☼	8270D	Total/NA
Phenanthrene	6200		4300	640	ug/Kg	20	☼	8270D	Total/NA
Pyrene	6800		4300	510	ug/Kg	20	☼	8270D	Total/NA
Lead	989		1.3	0.30	mg/Kg	1	☼	6010C	Total/NA

## Client Sample ID: CSW-48

## Lab Sample ID: 480-87201-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	2000	J	4300	640	ug/Kg	20	☼	8270D	Total/NA
Acenaphthylene	1300	J	4300	560	ug/Kg	20	☼	8270D	Total/NA
Anthracene	5100		4300	1100	ug/Kg	20	☼	8270D	Total/NA
Benzo[a]anthracene	19000		4300	430	ug/Kg	20	☼	8270D	Total/NA
Benzo[a]pyrene	18000		4300	640	ug/Kg	20	☼	8270D	Total/NA
Benzo[b]fluoranthene	23000		4300	690	ug/Kg	20	☼	8270D	Total/NA
Benzo[g,h,i]perylene	9400		4300	460	ug/Kg	20	☼	8270D	Total/NA
Benzo[k]fluoranthene	10000		4300	560	ug/Kg	20	☼	8270D	Total/NA
Carbazole	3400	J	4300	510	ug/Kg	20	☼	8270D	Total/NA
Chrysene	20000		4300	970	ug/Kg	20	☼	8270D	Total/NA
Dibenz(a,h)anthracene	3100	J	4300	770	ug/Kg	20	☼	8270D	Total/NA
Dibenzofuran	1200	J	4300	510	ug/Kg	20	☼	8270D	Total/NA
Fluoranthene	38000		4300	460	ug/Kg	20	☼	8270D	Total/NA
Fluorene	2200	J	4300	510	ug/Kg	20	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	8100		4300	540	ug/Kg	20	☼	8270D	Total/NA
Naphthalene	1100	J	4300	560	ug/Kg	20	☼	8270D	Total/NA
Phenanthrene	25000		4300	640	ug/Kg	20	☼	8270D	Total/NA
Pyrene	31000		4300	510	ug/Kg	20	☼	8270D	Total/NA
Lead	1800		1.4	0.33	mg/Kg	1	☼	6010C	Total/NA

## Client Sample ID: CSB-10

## Lab Sample ID: 480-87201-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	960	J	4600	670	ug/Kg	20	☼	8270D	Total/NA
Anthracene	2400	J	4600	1100	ug/Kg	20	☼	8270D	Total/NA
Benzo[a]anthracene	5800	F1	4600	460	ug/Kg	20	☼	8270D	Total/NA
Benzo[a]pyrene	4900	F1	4600	670	ug/Kg	20	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

## Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-2

Client Sample ID: CSB-10 (Continued)

Lab Sample ID: 480-87201-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzo[b]fluoranthene	6700	F1	4600	730	ug/Kg	20		✱	8270D	Total/NA
Benzo[g,h,i]perylene	4500	J	4600	480	ug/Kg	20		✱	8270D	Total/NA
Benzo[k]fluoranthene	2300	J	4600	590	ug/Kg	20		✱	8270D	Total/NA
Carbazole	1300	J	4600	540	ug/Kg	20		✱	8270D	Total/NA
Chrysene	5900	F2 F1	4600	1000	ug/Kg	20		✱	8270D	Total/NA
Dibenzofuran	630	J	4600	540	ug/Kg	20		✱	8270D	Total/NA
Fluoranthene	13000	F2	4600	480	ug/Kg	20		✱	8270D	Total/NA
Fluorene	1100	J	4600	540	ug/Kg	20		✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	3600	J	4600	560	ug/Kg	20		✱	8270D	Total/NA
Phenanthrene	12000	F2	4600	670	ug/Kg	20		✱	8270D	Total/NA
Pyrene	10000	F1	4600	540	ug/Kg	20		✱	8270D	Total/NA
Lead	3040	F2	1.3	0.32	mg/Kg	1		✱	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-2

**Client Sample ID: CSW-44**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-1**

**Matrix: Solid**

**Percent Solids: 83.8**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		4000	580	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
bis (2-chloroisopropyl) ether	ND		4000	790	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
2,4,5-Trichlorophenol	ND		4000	1100	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
2,4,6-Trichlorophenol	ND		4000	790	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
2,4-Dichlorophenol	ND		4000	420	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
2,4-Dimethylphenol	ND		4000	960	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
2,4-Dinitrophenol	ND		39000	18000	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
2,4-Dinitrotoluene	ND		4000	820	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
2,6-Dinitrotoluene	ND		4000	470	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
2-Chloronaphthalene	ND		4000	650	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
2-Chlorophenol	ND		4000	720	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
2-Methylphenol	ND		4000	470	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
2-Methylnaphthalene	ND		4000	790	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
2-Nitroaniline	ND		7700	580	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
2-Nitrophenol	ND		4000	1100	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
3,3'-Dichlorobenzidine	ND		7700	4700	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
3-Nitroaniline	ND		7700	1100	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
4,6-Dinitro-2-methylphenol	ND		7700	4000	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
4-Bromophenyl phenyl ether	ND		4000	560	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
4-Chloro-3-methylphenol	ND		4000	980	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
4-Chloroaniline	ND		4000	980	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
4-Chlorophenyl phenyl ether	ND		4000	490	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
4-Methylphenol	ND		7700	470	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
4-Nitroaniline	ND		7700	2100	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
4-Nitrophenol	ND		7700	2800	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
Acenaphthene	ND		4000	580	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
Acenaphthylene	ND		4000	510	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
Acetophenone	ND		4000	540	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
<b>Anthracene</b>	<b>2200</b>	<b>J</b>	4000	980	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
Atrazine	ND		4000	1400	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
Benzaldehyde	ND		4000	3200	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
<b>Benzo[a]anthracene</b>	<b>9800</b>		4000	400	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
<b>Benzo[a]pyrene</b>	<b>7600</b>		4000	580	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
<b>Benzo[b]fluoranthene</b>	<b>11000</b>		4000	630	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
<b>Benzo[g,h,i]perylene</b>	<b>6000</b>		4000	420	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
<b>Benzo[k]fluoranthene</b>	<b>4100</b>		4000	510	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
Bis(2-chloroethoxy)methane	ND		4000	840	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
Bis(2-chloroethyl)ether	ND		4000	510	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
Bis(2-ethylhexyl) phthalate	ND		4000	1400	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
Butyl benzyl phthalate	ND		4000	650	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
Caprolactam	ND		4000	1200	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
<b>Carbazole</b>	<b>860</b>	<b>J</b>	4000	470	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
<b>Chrysene</b>	<b>10000</b>		4000	890	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
Dibenz(a,h)anthracene	ND		4000	700	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
Di-n-butyl phthalate	ND		4000	680	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
Di-n-octyl phthalate	ND		4000	470	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
Dibenzofuran	ND		4000	470	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
Diethyl phthalate	ND		4000	510	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
Dimethyl phthalate	ND		4000	470	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-2

**Client Sample ID: CSW-44**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-1**

**Matrix: Solid**

**Percent Solids: 83.8**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	20000		4000	420	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
Fluorene	ND		4000	470	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
Hexachlorobenzene	ND		4000	540	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
Hexachlorobutadiene	ND		4000	580	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
Hexachlorocyclopentadiene	ND		4000	540	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
Hexachloroethane	ND		4000	510	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
Indeno[1,2,3-cd]pyrene	5200		4000	490	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
Isophorone	ND		4000	840	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
N-Nitrosodi-n-propylamine	ND		4000	680	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
N-Nitrosodiphenylamine	ND		4000	3200	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
Naphthalene	ND		4000	510	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
Nitrobenzene	ND		4000	440	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
Pentachlorophenol	ND		7700	4000	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
Phenanthrene	11000		4000	580	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
Phenol	ND		4000	610	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20
Pyrene	17000		4000	470	ug/Kg	☼	09/25/15 13:06	09/28/15 15:44	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	66		34 - 132	09/25/15 13:06	09/28/15 15:44	20
Phenol-d5 (Surr)	69		11 - 120	09/25/15 13:06	09/28/15 15:44	20
p-Terphenyl-d14 (Surr)	78		65 - 153	09/25/15 13:06	09/28/15 15:44	20
2,4,6-Tribromophenol (Surr)	115		39 - 146	09/25/15 13:06	09/28/15 15:44	20
2-Fluorobiphenyl	67		37 - 120	09/25/15 13:06	09/28/15 15:44	20
2-Fluorophenol (Surr)	70		18 - 120	09/25/15 13:06	09/28/15 15:44	20

## Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5200		1.2	0.28	mg/Kg	☼	09/21/15 13:25	09/22/15 14:34	1

**Client Sample ID: CSW-45**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-2**

**Matrix: Solid**

**Percent Solids: 86.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		3800	560	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
bis (2-chloroisopropyl) ether	ND		3800	760	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
2,4,5-Trichlorophenol	ND		3800	1000	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
2,4,6-Trichlorophenol	ND		3800	760	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
2,4-Dichlorophenol	ND		3800	400	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
2,4-Dimethylphenol	ND		3800	920	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
2,4-Dinitrophenol	ND		37000	18000	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
2,4-Dinitrotoluene	ND		3800	790	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
2,6-Dinitrotoluene	ND		3800	450	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
2-Chloronaphthalene	ND		3800	630	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
2-Chlorophenol	ND		3800	700	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
2-Methylphenol	ND		3800	450	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
2-Methylnaphthalene	ND		3800	760	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
2-Nitroaniline	ND		7400	560	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
2-Nitrophenol	ND		3800	1100	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-2

**Client Sample ID: CSW-45**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-2**

**Matrix: Solid**

**Percent Solids: 86.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	ND		7400	4500	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
3-Nitroaniline	ND		7400	1100	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
4,6-Dinitro-2-methylphenol	ND		7400	3800	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
4-Bromophenyl phenyl ether	ND		3800	540	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
4-Chloro-3-methylphenol	ND		3800	940	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
4-Chloroaniline	ND		3800	940	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
4-Chlorophenyl phenyl ether	ND		3800	470	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
4-Methylphenol	ND		7400	450	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
4-Nitroaniline	ND		7400	2000	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
4-Nitrophenol	ND		7400	2700	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
<b>Acenaphthene</b>	<b>740</b>	<b>J</b>	3800	560	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
Acenaphthylene	ND		3800	490	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
Acetophenone	ND		3800	520	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
<b>Anthracene</b>	<b>1800</b>	<b>J</b>	3800	940	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
Atrazine	ND		3800	1300	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
Benzaldehyde	ND		3800	3000	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
<b>Benzo[a]anthracene</b>	<b>5800</b>		3800	380	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
<b>Benzo[a]pyrene</b>	<b>4900</b>		3800	560	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
<b>Benzo[b]fluoranthene</b>	<b>5800</b>		3800	610	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
<b>Benzo[g,h,i]perylene</b>	<b>4000</b>		3800	400	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
<b>Benzo[k]fluoranthene</b>	<b>3200</b>	<b>J</b>	3800	490	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
Bis(2-chloroethoxy)methane	ND		3800	810	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
Bis(2-chloroethyl)ether	ND		3800	490	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
Bis(2-ethylhexyl) phthalate	ND		3800	1300	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
Butyl benzyl phthalate	ND		3800	630	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
Caprolactam	ND		3800	1100	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
<b>Carbazole</b>	<b>820</b>	<b>J</b>	3800	450	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
<b>Chrysene</b>	<b>5900</b>		3800	850	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
Dibenz(a,h)anthracene	ND		3800	670	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
Di-n-butyl phthalate	ND		3800	650	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
Di-n-octyl phthalate	ND		3800	450	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
Dibenzofuran	ND		3800	450	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
Diethyl phthalate	ND		3800	490	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
Dimethyl phthalate	ND		3800	450	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
<b>Fluoranthene</b>	<b>12000</b>		3800	400	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
<b>Fluorene</b>	<b>870</b>	<b>J</b>	3800	450	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
Hexachlorobenzene	ND		3800	520	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
Hexachlorobutadiene	ND		3800	560	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
Hexachlorocyclopentadiene	ND		3800	520	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
Hexachloroethane	ND		3800	490	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
<b>Indeno[1,2,3-cd]pyrene</b>	<b>3400</b>	<b>J</b>	3800	470	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
Isophorone	ND		3800	810	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
N-Nitrosodi-n-propylamine	ND		3800	650	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
N-Nitrosodiphenylamine	ND		3800	3100	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
Naphthalene	ND		3800	490	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
Nitrobenzene	ND		3800	430	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
Pentachlorophenol	ND		7400	3800	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
<b>Phenanthrene</b>	<b>7600</b>		3800	560	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
Phenol	ND		3800	580	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-2

**Client Sample ID: CSW-45**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-2**

**Matrix: Solid**

**Percent Solids: 86.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	9600		3800	450	ug/Kg	☼	09/25/15 13:06	09/28/15 16:10	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	66		34 - 132				09/25/15 13:06	09/28/15 16:10	20
Phenol-d5 (Surr)	77		11 - 120				09/25/15 13:06	09/28/15 16:10	20
p-Terphenyl-d14 (Surr)	94		65 - 153				09/25/15 13:06	09/28/15 16:10	20
2,4,6-Tribromophenol (Surr)	114		39 - 146				09/25/15 13:06	09/28/15 16:10	20
2-Fluorobiphenyl	91		37 - 120				09/25/15 13:06	09/28/15 16:10	20
2-Fluorophenol (Surr)	82		18 - 120				09/25/15 13:06	09/28/15 16:10	20

## Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1080		1.2	0.29	mg/Kg	☼	09/21/15 13:25	09/22/15 14:38	1

**Client Sample ID: CSW-46**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-3**

**Matrix: Solid**

**Percent Solids: 78.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		4300	630	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
bis (2-chloroisopropyl) ether	ND		4300	850	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
2,4,5-Trichlorophenol	ND		4300	1200	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
2,4,6-Trichlorophenol	ND		4300	850	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
2,4-Dichlorophenol	ND		4300	450	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
2,4-Dimethylphenol	ND		4300	1000	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
2,4-Dinitrophenol	ND		42000	20000	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
2,4-Dinitrotoluene	ND		4300	880	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
2,6-Dinitrotoluene	ND		4300	500	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
2-Chloronaphthalene	ND		4300	700	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
2-Chlorophenol	ND		4300	780	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
2-Methylphenol	ND		4300	500	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
2-Methylnaphthalene	ND		4300	850	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
2-Nitroaniline	ND		8300	630	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
2-Nitrophenol	ND		4300	1200	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
3,3'-Dichlorobenzidine	ND		8300	5000	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
3-Nitroaniline	ND		8300	1200	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
4,6-Dinitro-2-methylphenol	ND		8300	4300	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
4-Bromophenyl phenyl ether	ND		4300	600	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
4-Chloro-3-methylphenol	ND		4300	1100	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
4-Chloroaniline	ND		4300	1100	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
4-Chlorophenyl phenyl ether	ND		4300	530	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
4-Methylphenol	ND		8300	500	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
4-Nitroaniline	ND		8300	2200	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
4-Nitrophenol	ND		8300	3000	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
Acenaphthene	690 J		4300	630	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
Acenaphthylene	ND		4300	550	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
Acetophenone	ND		4300	580	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
Anthracene	1800 J		4300	1100	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
Atrazine	ND		4300	1500	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20

TestAmerica Buffalo



# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-2

**Client Sample ID: CSW-46**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-3**

**Matrix: Solid**

**Percent Solids: 78.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND		4300	3400	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
Benzo[a]anthracene	4100	J	4300	430	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
Benzo[a]pyrene	3300	J	4300	630	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
Benzo[b]fluoranthene	3700	J	4300	680	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
Benzo[g,h,i]perylene	2800	J	4300	450	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
Benzo[k]fluoranthene	2000	J	4300	550	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
Bis(2-chloroethoxy)methane	ND		4300	900	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
Bis(2-chloroethyl)ether	ND		4300	550	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
Bis(2-ethylhexyl) phthalate	ND		4300	1500	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
Butyl benzyl phthalate	ND		4300	700	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
Caprolactam	ND		4300	1300	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
Carbazole	780	J	4300	500	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
Chrysene	4100	J	4300	950	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
Dibenz(a,h)anthracene	ND		4300	750	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
Di-n-butyl phthalate	ND		4300	730	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
Di-n-octyl phthalate	ND		4300	500	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
Dibenzofuran	ND		4300	500	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
Diethyl phthalate	ND		4300	550	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
Dimethyl phthalate	ND		4300	500	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
Fluoranthene	11000		4300	450	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
Fluorene	1000	J	4300	500	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
Hexachlorobenzene	ND		4300	580	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
Hexachlorobutadiene	ND		4300	630	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
Hexachlorocyclopentadiene	ND		4300	580	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
Hexachloroethane	ND		4300	550	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
Indeno[1,2,3-cd]pyrene	2200	J	4300	530	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
Isophorone	ND		4300	900	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
N-Nitrosodi-n-propylamine	ND		4300	730	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
N-Nitrosodiphenylamine	ND		4300	3500	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
Naphthalene	ND		4300	550	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
Nitrobenzene	ND		4300	480	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
Pentachlorophenol	ND		8300	4300	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
Phenanthrene	8500		4300	630	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
Phenol	ND		4300	650	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20
Pyrene	8100		4300	500	ug/Kg	☼	09/25/15 13:06	09/28/15 16:36	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	55		34 - 132	09/25/15 13:06	09/28/15 16:36	20
Phenol-d5 (Surr)	60		11 - 120	09/25/15 13:06	09/28/15 16:36	20
p-Terphenyl-d14 (Surr)	60	X	65 - 153	09/25/15 13:06	09/28/15 16:36	20
2,4,6-Tribromophenol (Surr)	94		39 - 146	09/25/15 13:06	09/28/15 16:36	20
2-Fluorobiphenyl	62		37 - 120	09/25/15 13:06	09/28/15 16:36	20
2-Fluorophenol (Surr)	59		18 - 120	09/25/15 13:06	09/28/15 16:36	20

## Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1750		1.2	0.30	mg/Kg	☼	09/21/15 13:25	09/22/15 14:41	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-2

**Client Sample ID: CSW-47**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-4**

**Matrix: Solid**

**Percent Solids: 77.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		4300	640	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
bis (2-chloroisopropyl) ether	ND		4300	870	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
2,4,5-Trichlorophenol	ND		4300	1200	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
2,4,6-Trichlorophenol	ND		4300	870	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
2,4-Dichlorophenol	ND		4300	460	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
2,4-Dimethylphenol	ND		4300	1000	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
2,4-Dinitrophenol	ND		42000	20000	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
2,4-Dinitrotoluene	ND		4300	890	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
2,6-Dinitrotoluene	ND		4300	510	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
2-Chloronaphthalene	ND		4300	710	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
2-Chlorophenol	ND		4300	790	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
2-Methylphenol	ND		4300	510	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
2-Methylnaphthalene	ND		4300	870	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
2-Nitroaniline	ND		8400	640	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
2-Nitrophenol	ND		4300	1200	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
3,3'-Dichlorobenzidine	ND		8400	5100	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
3-Nitroaniline	ND		8400	1200	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
4,6-Dinitro-2-methylphenol	ND		8400	4300	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
4-Bromophenyl phenyl ether	ND		4300	610	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
4-Chloro-3-methylphenol	ND		4300	1100	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
4-Chloroaniline	ND		4300	1100	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
4-Chlorophenyl phenyl ether	ND		4300	530	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
4-Methylphenol	ND		8400	510	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
4-Nitroaniline	ND		8400	2300	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
4-Nitrophenol	ND		8400	3000	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
Acenaphthene	ND		4300	640	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
Acenaphthylene	ND		4300	560	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
Acetophenone	ND		4300	590	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
<b>Anthracene</b>	<b>1400</b>	<b>J</b>	4300	1100	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
Atrazine	ND		4300	1500	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
Benzaldehyde	ND		4300	3400	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
<b>Benzo[a]anthracene</b>	<b>4600</b>		4300	430	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
<b>Benzo[a]pyrene</b>	<b>3500</b>	<b>J</b>	4300	640	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
<b>Benzo[b]fluoranthene</b>	<b>4700</b>		4300	690	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
<b>Benzo[g,h,i]perylene</b>	<b>2800</b>	<b>J</b>	4300	460	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
<b>Benzo[k]fluoranthene</b>	<b>1800</b>	<b>J</b>	4300	560	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
Bis(2-chloroethoxy)methane	ND		4300	920	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
Bis(2-chloroethyl)ether	ND		4300	560	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
Bis(2-ethylhexyl) phthalate	ND		4300	1500	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
Butyl benzyl phthalate	ND		4300	710	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
Caprolactam	ND		4300	1300	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
<b>Carbazole</b>	<b>670</b>	<b>J</b>	4300	510	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
<b>Chrysene</b>	<b>4100</b>	<b>J</b>	4300	970	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
Dibenz(a,h)anthracene	ND		4300	760	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
Di-n-butyl phthalate	ND		4300	740	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
Di-n-octyl phthalate	ND		4300	510	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
Dibenzofuran	ND		4300	510	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
Diethyl phthalate	ND		4300	560	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
Dimethyl phthalate	ND		4300	510	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20

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# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-2

**Client Sample ID: CSW-47**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-4**

**Matrix: Solid**

**Percent Solids: 77.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	9300		4300	460	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
Fluorene	640	J	4300	510	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
Hexachlorobenzene	ND		4300	590	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
Hexachlorobutadiene	ND		4300	640	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
Hexachlorocyclopentadiene	ND		4300	590	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
Hexachloroethane	ND		4300	560	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
Indeno[1,2,3-cd]pyrene	2200	J	4300	530	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
Isophorone	ND		4300	920	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
N-Nitrosodi-n-propylamine	ND		4300	740	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
N-Nitrosodiphenylamine	ND		4300	3500	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
Naphthalene	ND		4300	560	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
Nitrobenzene	ND		4300	480	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
Pentachlorophenol	ND		8400	4300	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
Phenanthrene	6200		4300	640	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
Phenol	ND		4300	660	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20
Pyrene	6800		4300	510	ug/Kg	☼	09/25/15 13:08	09/28/15 17:02	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	79		34 - 132	09/25/15 13:08	09/28/15 17:02	20
Phenol-d5 (Surr)	71		11 - 120	09/25/15 13:08	09/28/15 17:02	20
p-Terphenyl-d14 (Surr)	82		65 - 153	09/25/15 13:08	09/28/15 17:02	20
2,4,6-Tribromophenol (Surr)	121		39 - 146	09/25/15 13:08	09/28/15 17:02	20
2-Fluorobiphenyl	87		37 - 120	09/25/15 13:08	09/28/15 17:02	20
2-Fluorophenol (Surr)	73		18 - 120	09/25/15 13:08	09/28/15 17:02	20

## Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	989		1.3	0.30	mg/Kg	☼	09/21/15 13:25	09/22/15 14:44	1

**Client Sample ID: CSW-48**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-5**

**Matrix: Solid**

**Percent Solids: 76.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		4300	640	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
bis (2-chloroisopropyl) ether	ND		4300	870	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
2,4,5-Trichlorophenol	ND		4300	1200	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
2,4,6-Trichlorophenol	ND		4300	870	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
2,4-Dichlorophenol	ND		4300	460	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
2,4-Dimethylphenol	ND		4300	1000	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
2,4-Dinitrophenol	ND		42000	20000	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
2,4-Dinitrotoluene	ND		4300	890	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
2,6-Dinitrotoluene	ND		4300	510	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
2-Chloronaphthalene	ND		4300	710	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
2-Chlorophenol	ND		4300	790	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
2-Methylphenol	ND		4300	510	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
2-Methylnaphthalene	ND		4300	870	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
2-Nitroaniline	ND		8400	640	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
2-Nitrophenol	ND		4300	1200	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-2

**Client Sample ID: CSW-48**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-5**

**Matrix: Solid**

**Percent Solids: 76.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	ND		8400	5100	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
3-Nitroaniline	ND		8400	1200	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
4,6-Dinitro-2-methylphenol	ND		8400	4300	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
4-Bromophenyl phenyl ether	ND		4300	610	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
4-Chloro-3-methylphenol	ND		4300	1100	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
4-Chloroaniline	ND		4300	1100	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
4-Chlorophenyl phenyl ether	ND		4300	540	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
4-Methylphenol	ND		8400	510	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
4-Nitroaniline	ND		8400	2300	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
4-Nitrophenol	ND		8400	3000	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
<b>Acenaphthene</b>	<b>2000</b>	<b>J</b>	4300	640	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
<b>Acenaphthylene</b>	<b>1300</b>	<b>J</b>	4300	560	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
Acetophenone	ND		4300	590	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
<b>Anthracene</b>	<b>5100</b>		4300	1100	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
Atrazine	ND		4300	1500	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
Benzaldehyde	ND		4300	3400	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
<b>Benzo[a]anthracene</b>	<b>19000</b>		4300	430	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
<b>Benzo[a]pyrene</b>	<b>18000</b>		4300	640	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
<b>Benzo[b]fluoranthene</b>	<b>23000</b>		4300	690	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
<b>Benzo[g,h,i]perylene</b>	<b>9400</b>		4300	460	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
<b>Benzo[k]fluoranthene</b>	<b>10000</b>		4300	560	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
Bis(2-chloroethoxy)methane	ND		4300	920	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
Bis(2-chloroethyl)ether	ND		4300	560	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
Bis(2-ethylhexyl) phthalate	ND		4300	1500	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
Butyl benzyl phthalate	ND		4300	710	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
Caprolactam	ND		4300	1300	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
<b>Carbazole</b>	<b>3400</b>	<b>J</b>	4300	510	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
<b>Chrysene</b>	<b>20000</b>		4300	970	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
<b>Dibenz(a,h)anthracene</b>	<b>3100</b>	<b>J</b>	4300	770	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
Di-n-butyl phthalate	ND		4300	740	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
Di-n-octyl phthalate	ND		4300	510	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
<b>Dibenzofuran</b>	<b>1200</b>	<b>J</b>	4300	510	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
Diethyl phthalate	ND		4300	560	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
Dimethyl phthalate	ND		4300	510	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
<b>Fluoranthene</b>	<b>38000</b>		4300	460	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
<b>Fluorene</b>	<b>2200</b>	<b>J</b>	4300	510	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
Hexachlorobenzene	ND		4300	590	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
Hexachlorobutadiene	ND		4300	640	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
Hexachlorocyclopentadiene	ND		4300	590	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
Hexachloroethane	ND		4300	560	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
<b>Indeno[1,2,3-cd]pyrene</b>	<b>8100</b>		4300	540	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
Isophorone	ND		4300	920	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
N-Nitrosodi-n-propylamine	ND		4300	740	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
N-Nitrosodiphenylamine	ND		4300	3500	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
<b>Naphthalene</b>	<b>1100</b>	<b>J</b>	4300	560	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
Nitrobenzene	ND		4300	490	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
Pentachlorophenol	ND		8400	4300	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
<b>Phenanthrene</b>	<b>25000</b>		4300	640	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
Phenol	ND		4300	660	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-2

**Client Sample ID: CSW-48**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-5**

**Matrix: Solid**

**Percent Solids: 76.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	31000		4300	510	ug/Kg	☼	09/25/15 13:08	09/28/15 17:29	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	52		34 - 132				09/25/15 13:08	09/28/15 17:29	20
Phenol-d5 (Surr)	42		11 - 120				09/25/15 13:08	09/28/15 17:29	20
p-Terphenyl-d14 (Surr)	42	X	65 - 153				09/25/15 13:08	09/28/15 17:29	20
2,4,6-Tribromophenol (Surr)	94		39 - 146				09/25/15 13:08	09/28/15 17:29	20
2-Fluorobiphenyl	44		37 - 120				09/25/15 13:08	09/28/15 17:29	20
2-Fluorophenol (Surr)	42		18 - 120				09/25/15 13:08	09/28/15 17:29	20

## Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1800		1.4	0.33	mg/Kg	☼	09/23/15 10:40	09/24/15 11:34	1

**Client Sample ID: CSB-10**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-17**

**Matrix: Solid**

**Percent Solids: 74.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		4600	670	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
bis (2-chloroisopropyl) ether	ND		4600	910	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
2,4,5-Trichlorophenol	ND		4600	1200	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
2,4,6-Trichlorophenol	ND	F2 F1	4600	910	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
2,4-Dichlorophenol	ND		4600	480	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
2,4-Dimethylphenol	ND		4600	1100	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
2,4-Dinitrophenol	ND		45000	21000	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
2,4-Dinitrotoluene	ND		4600	940	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
2,6-Dinitrotoluene	ND	F2 F1	4600	540	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
2-Chloronaphthalene	ND		4600	750	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
2-Chlorophenol	ND	F2	4600	830	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
2-Methylphenol	ND		4600	540	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
2-Methylnaphthalene	ND		4600	910	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
2-Nitroaniline	ND	F2	8900	670	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
2-Nitrophenol	ND		4600	1300	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
3,3'-Dichlorobenzidine	ND		8900	5400	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
3-Nitroaniline	ND		8900	1300	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
4,6-Dinitro-2-methylphenol	ND		8900	4600	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
4-Bromophenyl phenyl ether	ND	F2	4600	650	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
4-Chloro-3-methylphenol	ND		4600	1100	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
4-Chloroaniline	ND		4600	1100	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
4-Chlorophenyl phenyl ether	ND	F2	4600	560	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
4-Methylphenol	ND		8900	540	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
4-Nitroaniline	ND		8900	2400	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
4-Nitrophenol	ND		8900	3200	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
Acenaphthene	960	J	4600	670	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
Acenaphthylene	ND		4600	590	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
Acetophenone	ND	F2	4600	620	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
Anthracene	2400	J	4600	1100	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
Atrazine	ND		4600	1600	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-2

**Client Sample ID: CSB-10**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-17**

**Matrix: Solid**

**Percent Solids: 74.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND	F1	4600	3600	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
<b>Benzo[a]anthracene</b>	<b>5800</b>	<b>F1</b>	4600	460	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
<b>Benzo[a]pyrene</b>	<b>4900</b>	<b>F1</b>	4600	670	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
<b>Benzo[b]fluoranthene</b>	<b>6700</b>	<b>F1</b>	4600	730	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
<b>Benzo[g,h,i]perylene</b>	<b>4500</b>	<b>J</b>	4600	480	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
<b>Benzo[k]fluoranthene</b>	<b>2300</b>	<b>J</b>	4600	590	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
Bis(2-chloroethoxy)methane	ND		4600	970	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
Bis(2-chloroethyl)ether	ND		4600	590	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
Bis(2-ethylhexyl) phthalate	ND		4600	1600	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
Butyl benzyl phthalate	ND		4600	750	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
Caprolactam	ND		4600	1400	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
<b>Carbazole</b>	<b>1300</b>	<b>J</b>	4600	540	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
<b>Chrysene</b>	<b>5900</b>	<b>F2 F1</b>	4600	1000	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
Dibenz(a,h)anthracene	ND		4600	810	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
Di-n-butyl phthalate	ND		4600	780	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
Di-n-octyl phthalate	ND		4600	540	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
<b>Dibenzofuran</b>	<b>630</b>	<b>J</b>	4600	540	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
Diethyl phthalate	ND		4600	590	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
Dimethyl phthalate	ND		4600	540	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
<b>Fluoranthene</b>	<b>13000</b>	<b>F2</b>	4600	480	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
<b>Fluorene</b>	<b>1100</b>	<b>J</b>	4600	540	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
Hexachlorobenzene	ND	F2	4600	620	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
Hexachlorobutadiene	ND		4600	670	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
Hexachlorocyclopentadiene	ND		4600	620	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
Hexachloroethane	ND		4600	590	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
<b>Indeno[1,2,3-cd]pyrene</b>	<b>3600</b>	<b>J</b>	4600	560	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
Isophorone	ND		4600	970	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
N-Nitrosodi-n-propylamine	ND		4600	780	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
N-Nitrosodiphenylamine	ND	F1	4600	3700	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
Naphthalene	ND		4600	590	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
Nitrobenzene	ND		4600	510	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
Pentachlorophenol	ND		8900	4600	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
<b>Phenanthrene</b>	<b>12000</b>	<b>F2</b>	4600	670	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
Phenol	ND		4600	700	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20
<b>Pyrene</b>	<b>10000</b>	<b>F1</b>	4600	540	ug/Kg	☼	09/25/15 13:06	09/28/15 15:17	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	76		34 - 132	09/25/15 13:06	09/28/15 15:17	20
Phenol-d5 (Surr)	80		11 - 120	09/25/15 13:06	09/28/15 15:17	20
p-Terphenyl-d14 (Surr)	86		65 - 153	09/25/15 13:06	09/28/15 15:17	20
2,4,6-Tribromophenol (Surr)	117		39 - 146	09/25/15 13:06	09/28/15 15:17	20
2-Fluorobiphenyl	79		37 - 120	09/25/15 13:06	09/28/15 15:17	20
2-Fluorophenol (Surr)	85		18 - 120	09/25/15 13:06	09/28/15 15:17	20

## Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Lead</b>	<b>3040</b>	<b>F2</b>	1.3	0.32	mg/Kg	☼	09/21/15 13:25	09/22/15 14:58	1

TestAmerica Buffalo

# Surrogate Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-2

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		NBZ (34-132)	PHL (11-120)	TPH (65-153)	TBP (39-146)	FBP (37-120)	2FP (18-120)
480-87201-1	CSW-44	66	69	78	115	67	70
480-87201-2	CSW-45	66	77	94	114	91	82
480-87201-3	CSW-46	55	60	60 X	94	62	59
480-87201-4	CSW-47	79	71	82	121	87	73
480-87201-5	CSW-48	52	42	42 X	94	44	42
480-87201-17	CSB-10	76	80	86	117	79	85
480-87201-17 MS	CSB-10	78	68	94	117	77	66
480-87201-17 MSD	CSB-10	75	81	88	131	86	82
LCS 480-265552/2-A	Lab Control Sample	74	80	95	84	80	74
MB 480-265552/1-A	Method Blank	76	81	96	76	80	81

### Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)  
PHL = Phenol-d5 (Surr)  
TPH = p-Terphenyl-d14 (Surr)  
TBP = 2,4,6-Tribromophenol (Surr)  
FBP = 2-Fluorobiphenyl  
2FP = 2-Fluorophenol (Surr)

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-2

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

Lab Sample ID: MB 480-265552/1-A

Matrix: Solid

Analysis Batch: 265604

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 265552

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		170	25	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
bis (2-chloroisopropyl) ether	ND		170	34	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
2,4,5-Trichlorophenol	ND		170	46	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
2,4,6-Trichlorophenol	ND		170	34	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
2,4-Dichlorophenol	ND		170	18	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
2,4-Dimethylphenol	ND		170	41	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
2,4-Dinitrophenol	ND		1600	780	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
2,4-Dinitrotoluene	ND		170	35	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
2,6-Dinitrotoluene	ND		170	20	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
2-Chloronaphthalene	ND		170	28	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
2-Chlorophenol	ND		170	31	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
2-Methylphenol	ND		170	20	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
2-Methylnaphthalene	ND		170	34	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
2-Nitroaniline	ND		330	25	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
2-Nitrophenol	ND		170	48	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
3,3'-Dichlorobenzidine	ND		330	200	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
3-Nitroaniline	ND		330	47	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
4,6-Dinitro-2-methylphenol	ND		330	170	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
4-Bromophenyl phenyl ether	ND		170	24	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
4-Chloro-3-methylphenol	ND		170	42	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
4-Chloroaniline	ND		170	42	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
4-Chlorophenyl phenyl ether	ND		170	21	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
4-Methylphenol	ND		330	20	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
4-Nitroaniline	ND		330	88	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
4-Nitrophenol	ND		330	120	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
Acenaphthene	ND		170	25	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
Acenaphthylene	ND		170	22	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
Acetophenone	ND		170	23	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
Anthracene	ND		170	42	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
Atrazine	ND		170	58	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
Benzaldehyde	ND		170	130	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
Benzo[a]anthracene	ND		170	17	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
Benzo[a]pyrene	ND		170	25	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
Benzo[b]fluoranthene	ND		170	27	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
Benzo[g,h,i]perylene	ND		170	18	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
Benzo[k]fluoranthene	ND		170	22	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
Bis(2-chloroethoxy)methane	ND		170	36	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
Bis(2-chloroethyl)ether	ND		170	22	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
Bis(2-ethylhexyl) phthalate	ND		170	57	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
Butyl benzyl phthalate	ND		170	28	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
Caprolactam	ND		170	51	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
Carbazole	ND		170	20	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
Chrysene	ND		170	38	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
Dibenz(a,h)anthracene	ND		170	30	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
Di-n-butyl phthalate	ND		170	29	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
Di-n-octyl phthalate	ND		170	20	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
Dibenzofuran	ND		170	20	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
Diethyl phthalate	ND		170	22	ug/Kg		09/25/15 13:06	09/28/15 13:31	1

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# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-87201-2

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

Lab Sample ID: MB 480-265552/1-A

Matrix: Solid

Analysis Batch: 265604

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 265552

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	ND		170	20	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
Fluoranthene	ND		170	18	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
Fluorene	ND		170	20	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
Hexachlorobenzene	ND		170	23	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
Hexachlorobutadiene	ND		170	25	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
Hexachlorocyclopentadiene	ND		170	23	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
Hexachloroethane	ND		170	22	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
Indeno[1,2,3-cd]pyrene	ND		170	21	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
Isophorone	ND		170	36	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
N-Nitrosodi-n-propylamine	ND		170	29	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
N-Nitrosodiphenylamine	ND		170	140	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
Naphthalene	ND		170	22	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
Nitrobenzene	ND		170	19	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
Pentachlorophenol	ND		330	170	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
Phenanthrene	ND		170	25	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
Phenol	ND		170	26	ug/Kg		09/25/15 13:06	09/28/15 13:31	1
Pyrene	ND		170	20	ug/Kg		09/25/15 13:06	09/28/15 13:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	76		34 - 132	09/25/15 13:06	09/28/15 13:31	1
Phenol-d5 (Surr)	81		11 - 120	09/25/15 13:06	09/28/15 13:31	1
p-Terphenyl-d14 (Surr)	96		65 - 153	09/25/15 13:06	09/28/15 13:31	1
2,4,6-Tribromophenol (Surr)	76		39 - 146	09/25/15 13:06	09/28/15 13:31	1
2-Fluorobiphenyl	80		37 - 120	09/25/15 13:06	09/28/15 13:31	1
2-Fluorophenol (Surr)	81		18 - 120	09/25/15 13:06	09/28/15 13:31	1

Lab Sample ID: LCS 480-265552/2-A

Matrix: Solid

Analysis Batch: 265604

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 265552

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
2,4-Dinitrotoluene	1650	1390		ug/Kg		85	55 - 125
2-Chlorophenol	1650	1290		ug/Kg		78	38 - 120
4-Chloro-3-methylphenol	1650	1490		ug/Kg		91	49 - 125
4-Nitrophenol	3290	2690		ug/Kg		82	43 - 137
Acenaphthene	1650	1310		ug/Kg		79	53 - 120
Atrazine	3290	2900		ug/Kg		88	60 - 164
Bis(2-ethylhexyl) phthalate	1650	1440		ug/Kg		88	61 - 133
Fluorene	1650	1360		ug/Kg		83	63 - 126
Hexachloroethane	1650	1190		ug/Kg		72	41 - 120
N-Nitrosodi-n-propylamine	1650	1310		ug/Kg		79	46 - 120
Pentachlorophenol	3290	2550		ug/Kg		77	33 - 136
Phenol	1650	1320		ug/Kg		80	36 - 120
Pyrene	1650	1450		ug/Kg		88	51 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	74		34 - 132

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-2

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

Lab Sample ID: LCS 480-265552/2-A

Matrix: Solid

Analysis Batch: 265604

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 265552

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Phenol-d5 (Surr)	80		11 - 120
p-Terphenyl-d14 (Surr)	95		65 - 153
2,4,6-Tribromophenol (Surr)	84		39 - 146
2-Fluorobiphenyl	80		37 - 120
2-Fluorophenol (Surr)	74		18 - 120

Lab Sample ID: 480-87201-17 MS

Matrix: Solid

Analysis Batch: 265604

Client Sample ID: CSB-10

Prep Type: Total/NA

Prep Batch: 265552

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
2,4-Dinitrotoluene	ND		2850	2680	J	ug/Kg	☼	94	55 - 125
2-Chlorophenol	ND	F2	2850	1820	J	ug/Kg	☼	64	38 - 120
4-Chloro-3-methylphenol	ND		2850	1920	J	ug/Kg	☼	67	49 - 125
4-Nitrophenol	ND		5700	5930	J	ug/Kg	☼	104	43 - 137
Acenaphthene	960	J	2850	3340	J	ug/Kg	☼	83	53 - 120
Atrazine	ND		5700	4600	J	ug/Kg	☼	81	60 - 164
Bis(2-ethylhexyl) phthalate	ND		2850	2520	J	ug/Kg	☼	88	61 - 133
Fluorene	1100	J	2850	3370	J	ug/Kg	☼	80	63 - 126
Hexachloroethane	ND		2850	2370	J	ug/Kg	☼	83	41 - 120
N-Nitrosodi-n-propylamine	ND		2850	2700	J	ug/Kg	☼	95	46 - 120
Pentachlorophenol	ND		5700	8260	J	ug/Kg	☼	NC	33 - 136
Phenol	ND		2850	2080	J	ug/Kg	☼	73	36 - 120
Pyrene	10000	F1	2850	12100		ug/Kg	☼	76	51 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
Nitrobenzene-d5 (Surr)	78		34 - 132
Phenol-d5 (Surr)	68		11 - 120
p-Terphenyl-d14 (Surr)	94		65 - 153
2,4,6-Tribromophenol (Surr)	117		39 - 146
2-Fluorobiphenyl	77		37 - 120
2-Fluorophenol (Surr)	66		18 - 120

Lab Sample ID: 480-87201-17 MSD

Matrix: Solid

Analysis Batch: 265604

Client Sample ID: CSB-10

Prep Type: Total/NA

Prep Batch: 265552

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
2,4-Dinitrotoluene	ND		2810	2420	J	ug/Kg	☼	86	55 - 125	10	20
2-Chlorophenol	ND	F2	2810	2400	J F2	ug/Kg	☼	86	38 - 120	27	25
4-Chloro-3-methylphenol	ND		2810	2190	J	ug/Kg	☼	78	49 - 125	13	27
4-Nitrophenol	ND		5610	6050	J	ug/Kg	☼	108	43 - 137	2	25
Acenaphthene	960	J	2810	3070	J	ug/Kg	☼	75	53 - 120	8	35
Atrazine	ND		5610	5300	J	ug/Kg	☼	94	60 - 164	14	20
Bis(2-ethylhexyl) phthalate	ND		2810	2410	J	ug/Kg	☼	86	61 - 133	5	15
Fluorene	1100	J	2810	3300	J	ug/Kg	☼	79	63 - 126	2	15
Hexachloroethane	ND		2810	2380	J	ug/Kg	☼	85	41 - 120	1	46
N-Nitrosodi-n-propylamine	ND		2810	2650	J	ug/Kg	☼	94	46 - 120	2	31

TestAmerica Buffalo



# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-2

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

Lab Sample ID: 480-87201-17 MSD

Matrix: Solid

Analysis Batch: 265604

Client Sample ID: CSB-10

Prep Type: Total/NA

Prep Batch: 265552

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Pentachlorophenol	ND		5610	8200	J	ug/Kg	☼	NC	33 - 136	1	35
Phenol	ND		2810	2230	J	ug/Kg	☼	79	36 - 120	7	35
Pyrene	10000	F1	2810	9360	F1	ug/Kg	☼	-22	51 - 133	26	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Nitrobenzene-d5 (Surr)	75		34 - 132
Phenol-d5 (Surr)	81		11 - 120
p-Terphenyl-d14 (Surr)	88		65 - 153
2,4,6-Tribromophenol (Surr)	131		39 - 146
2-Fluorobiphenyl	86		37 - 120
2-Fluorophenol (Surr)	82		18 - 120

## Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-264694/1-A

Matrix: Solid

Analysis Batch: 265030

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 264694

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.0	0.24	mg/Kg		09/21/15 13:25	09/22/15 13:48	1

Lab Sample ID: LCSSRM 480-264694/2-A

Matrix: Solid

Analysis Batch: 265030

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 264694

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	90.1	89.65		mg/Kg		99.5	70.1 - 129.9

Lab Sample ID: 480-87201-17 MS

Matrix: Solid

Analysis Batch: 265030

Client Sample ID: CSB-10

Prep Type: Total/NA

Prep Batch: 264694

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	3040	F2	56.9	3750	4	mg/Kg	☼	1247	75 - 125

Lab Sample ID: 480-87201-17 MSD

Matrix: Solid

Analysis Batch: 265030

Client Sample ID: CSB-10

Prep Type: Total/NA

Prep Batch: 264694

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	3040	F2	50.8	2133	4 F2	mg/Kg	☼	-1787	75 - 125	55	20

Lab Sample ID: MB 480-265052/1-A

Matrix: Solid

Analysis Batch: 265346

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 265052

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.98	0.24	mg/Kg		09/23/15 10:40	09/24/15 09:44	1

TestAmerica Buffalo

## QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-2

Lab Sample ID: LCSSRM 480-265052/2-A  
Matrix: Solid  
Analysis Batch: 265346

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 265052

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	90.1	92.98		mg/Kg		103.2	70.1 - 129. 9

# QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-2

## GC/MS Semi VOA

### Prep Batch: 265552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87201-1	CSW-44	Total/NA	Solid	3550C	
480-87201-2	CSW-45	Total/NA	Solid	3550C	
480-87201-3	CSW-46	Total/NA	Solid	3550C	
480-87201-4	CSW-47	Total/NA	Solid	3550C	
480-87201-5	CSW-48	Total/NA	Solid	3550C	
480-87201-17	CSB-10	Total/NA	Solid	3550C	
480-87201-17 MS	CSB-10	Total/NA	Solid	3550C	
480-87201-17 MSD	CSB-10	Total/NA	Solid	3550C	
LCS 480-265552/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 480-265552/1-A	Method Blank	Total/NA	Solid	3550C	

### Analysis Batch: 265604

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87201-1	CSW-44	Total/NA	Solid	8270D	265552
480-87201-2	CSW-45	Total/NA	Solid	8270D	265552
480-87201-3	CSW-46	Total/NA	Solid	8270D	265552
480-87201-4	CSW-47	Total/NA	Solid	8270D	265552
480-87201-5	CSW-48	Total/NA	Solid	8270D	265552
480-87201-17	CSB-10	Total/NA	Solid	8270D	265552
480-87201-17 MS	CSB-10	Total/NA	Solid	8270D	265552
480-87201-17 MSD	CSB-10	Total/NA	Solid	8270D	265552
LCS 480-265552/2-A	Lab Control Sample	Total/NA	Solid	8270D	265552
MB 480-265552/1-A	Method Blank	Total/NA	Solid	8270D	265552

## Metals

### Prep Batch: 264694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87201-1	CSW-44	Total/NA	Solid	3050B	
480-87201-2	CSW-45	Total/NA	Solid	3050B	
480-87201-3	CSW-46	Total/NA	Solid	3050B	
480-87201-4	CSW-47	Total/NA	Solid	3050B	
480-87201-17	CSB-10	Total/NA	Solid	3050B	
480-87201-17 MS	CSB-10	Total/NA	Solid	3050B	
480-87201-17 MSD	CSB-10	Total/NA	Solid	3050B	
LCSSRM 480-264694/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 480-264694/1-A	Method Blank	Total/NA	Solid	3050B	

### Analysis Batch: 265030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87201-1	CSW-44	Total/NA	Solid	6010C	264694
480-87201-2	CSW-45	Total/NA	Solid	6010C	264694
480-87201-3	CSW-46	Total/NA	Solid	6010C	264694
480-87201-4	CSW-47	Total/NA	Solid	6010C	264694
480-87201-17	CSB-10	Total/NA	Solid	6010C	264694
480-87201-17 MS	CSB-10	Total/NA	Solid	6010C	264694
480-87201-17 MSD	CSB-10	Total/NA	Solid	6010C	264694
LCSSRM 480-264694/2-A	Lab Control Sample	Total/NA	Solid	6010C	264694
MB 480-264694/1-A	Method Blank	Total/NA	Solid	6010C	264694

TestAmerica Buffalo

## QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-2

### Metals (Continued)

#### Prep Batch: 265052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87201-5	CSW-48	Total/NA	Solid	3050B	
LCSSRM 480-265052/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 480-265052/1-A	Method Blank	Total/NA	Solid	3050B	

#### Analysis Batch: 265346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87201-5	CSW-48	Total/NA	Solid	6010C	265052
LCSSRM 480-265052/2-A	Lab Control Sample	Total/NA	Solid	6010C	265052
MB 480-265052/1-A	Method Blank	Total/NA	Solid	6010C	265052

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-87201-2

**Client Sample ID: CSW-44**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-1**

**Matrix: Solid**

**Percent Solids: 83.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			265552	09/25/15 13:06	TRG	TAL BUF
Total/NA	Analysis	8270D		20	265604	09/28/15 15:44	DMR	TAL BUF
Total/NA	Prep	3050B			264694	09/21/15 13:25	CMM	TAL BUF
Total/NA	Analysis	6010C		1	265030	09/22/15 14:34	LMH	TAL BUF

**Client Sample ID: CSW-45**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-2**

**Matrix: Solid**

**Percent Solids: 86.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			265552	09/25/15 13:06	TRG	TAL BUF
Total/NA	Analysis	8270D		20	265604	09/28/15 16:10	DMR	TAL BUF
Total/NA	Prep	3050B			264694	09/21/15 13:25	CMM	TAL BUF
Total/NA	Analysis	6010C		1	265030	09/22/15 14:38	LMH	TAL BUF

**Client Sample ID: CSW-46**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-3**

**Matrix: Solid**

**Percent Solids: 78.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			265552	09/25/15 13:06	TRG	TAL BUF
Total/NA	Analysis	8270D		20	265604	09/28/15 16:36	DMR	TAL BUF
Total/NA	Prep	3050B			264694	09/21/15 13:25	CMM	TAL BUF
Total/NA	Analysis	6010C		1	265030	09/22/15 14:41	LMH	TAL BUF

**Client Sample ID: CSW-47**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-4**

**Matrix: Solid**

**Percent Solids: 77.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			265552	09/25/15 13:08	TRG	TAL BUF
Total/NA	Analysis	8270D		20	265604	09/28/15 17:02	DMR	TAL BUF
Total/NA	Prep	3050B			264694	09/21/15 13:25	CMM	TAL BUF
Total/NA	Analysis	6010C		1	265030	09/22/15 14:44	LMH	TAL BUF

**Client Sample ID: CSW-48**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-5**

**Matrix: Solid**

**Percent Solids: 76.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			265552	09/25/15 13:08	TRG	TAL BUF
Total/NA	Analysis	8270D		20	265604	09/28/15 17:29	DMR	TAL BUF
Total/NA	Prep	3050B			265052	09/23/15 10:40	CMM	TAL BUF

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-87201-2

**Client Sample ID: CSW-48**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-5**

**Matrix: Solid**

**Percent Solids: 76.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010C		1	265346	09/24/15 11:34	JRK	TAL BUF

**Client Sample ID: CSB-10**

**Date Collected: 09/14/15 00:00**

**Date Received: 09/14/15 17:30**

**Lab Sample ID: 480-87201-17**

**Matrix: Solid**

**Percent Solids: 74.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			265552	09/25/15 13:06	TRG	TAL BUF
Total/NA	Analysis	8270D		20	265604	09/28/15 15:17	DMR	TAL BUF
Total/NA	Prep	3050B			264694	09/21/15 13:25	CMM	TAL BUF
Total/NA	Analysis	6010C		1	265030	09/22/15 14:58	LMH	TAL BUF

## Laboratory References:

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

# Certification Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-2

## 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	03-31-16
Analysis Method	Prep Method	Matrix	Analyte	

## Method Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-2

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF

### Protocol References:

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



## Sample Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87201-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-87201-1	CSW-44	Solid	09/14/15 00:00	09/14/15 17:30
480-87201-2	CSW-45	Solid	09/14/15 00:00	09/14/15 17:30
480-87201-3	CSW-46	Solid	09/14/15 00:00	09/14/15 17:30
480-87201-4	CSW-47	Solid	09/14/15 00:00	09/14/15 17:30
480-87201-5	CSW-48	Solid	09/14/15 00:00	09/14/15 17:30
480-87201-17	CSB-10	Solid	09/14/15 00:00	09/14/15 17:30

## Chain of Custody Record

TAL-4124 (1007)

Temperature on Receipt \_\_\_\_\_

Drinking Water? Yes ☐ No ☒

Client <b>Iyer Environmental Group</b>		Project Manager <b>Dharma Iyer</b>		Date <b>Sep 14, 2015</b>		Chain of Custody Number <b>264472</b>	
Address <b>44 Rolling Hills Dr</b>		Telephone Number (Area Code)/Fax Number <b>(716) 662-4157</b>		Lab Number		Page <b>1</b> of <b>2</b>	
City <b>Orchard Park</b>		State <b>NY</b>		Zip Code <b>14127</b>		Analysis (Attach list if more space is needed)	
Project Name and Location (State) <b>132 Dingers St (NY)</b>		Site Contact <b>R. Allen</b>		Lab Contact <b>M. Deyo</b>		Special Instructions/ Conditions of Receipt <b>Cat B</b>	
Contract/Purchase Order/Quote No.		Carrier/Waybill Number		480-87201 Chain of Custody			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives				Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	
			Air	Aqueous	Sed	Soil	NaOH	HCl	HNO3	H2SO4							
CSW-44	Sep 14, 2015				✓					✓							
CSW-45					✓					✓							
CSW-46					✓					✓							
CSW-47					✓					✓							
CSW-48					✓					✓							
CSW-49					✓					✓							
CSW-50					✓					✓							
CSW-51					✓					✓							
CSW-52					✓					✓							
CSW-53					✓					✓							
CSW-54					✓					✓							
CSW-55					✓					✓							

Field Dyp

Possible Hazard Identification		Sample Disposal	
<input checked="" type="checkbox"/> Non-Hazard	<input type="checkbox"/> Flammable	<input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Poison B
<input type="checkbox"/> 24 Hours	<input type="checkbox"/> 48 Hours	<input checked="" type="checkbox"/> 7 Days	<input type="checkbox"/> 14 Days
Turn Around Time Required		Return To Client	
<input type="checkbox"/> 24 Hours		<input type="checkbox"/> Unknown	
1. Relinquished By		QC Requirements (Specify)	
Richard C Allen Jr		Disposal By Lab <input type="checkbox"/> Archive For _____ Months	
2. Relinquished By		(A fee may be assessed if samples are retained longer than 1 month)	
Date		Date	
9/14/15		Daukhov TA	
Time		Time	
1730		Date	
3. Relinquished By		Date	
Date		Date	
Time		Time	
Comments		Temp 21.7 HI POICE	

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## Chain of Custody Record

Temperature on Receipt \_\_\_\_\_  
Drinking Water? Yes ☐ No ☒

TAL-4124 (1007)

Client: **Iyer Environmental Group**  
Address: **44 Rolling Hills Dr**  
City: **Orchard Park** State: **NY** Zip Code: **14127**  
Project Name and Location (State): **132 Dingers St (NY)**  
Contract/Purchase Order/Quote No. \_\_\_\_\_

Project Manager: **Dharma Iyer**  
Telephone Number (Area Code)/Fax Number: **(716) 662-4157**  
Site Contact: **R. Allen** Lab Contact: **M. Deyo**  
Carrier/Waybill Number: \_\_\_\_\_

Date: **Sep 14, 2015**  
Chain of Custody Number: **264473**  
Page **2** of **2**

Special Instructions/  
Conditions of Receipt

Cat B

MS/MSD

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives					Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt
			Air	Aqueous	Sed	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	
CSW-56	Sep 14, 2015					✓	✓						Total PCBs
CSW-57						✓	✓						
CSW-58						✓	✓						
CSW-59						✓	✓						
CSB-10						✓	✓						
CSB-11						✓	✓						MS/MSD
CSB-12						✓	✓						
ERB-4				✓			✓						

Possible Hazard Identification  
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Return To Client ☒ Disposal By Lab ☐ Archive For \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

QC Requirements (Specify)

Turn Around Time Required  
☐ 24 Hours ☐ 48 Hours ☒ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other \_\_\_\_\_

1. Relinquished By: **Richard C Allen Jr** Date: **9/14/15** Time: **1730**  
2. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
3. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Comments: **Temp 21.7 no IDP**

# 

Client: Iyer Environmental Group, LLC

Job Number: 480-87201-2

**Login Number: 87201**

**List Source: TestAmerica Buffalo**

**List Number: 1**

**Creator: Williams, Christopher S**

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.	False	Sample times not listed
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.	False	Sample times not listed on labels
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	False	Additional containers for MS/MSD not provided
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
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	IYER
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	

# 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: 480-87473-1

Client Project/Site: 132 Dingens

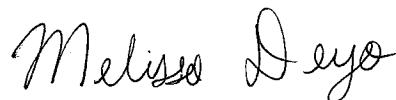
For:

Iyer Environmental Group, LLC

44 Rolling Hills Drive

Orchard Park, New York 14127

Attn: Dr. Dharmarajan R Iyer



Authorized for release by:

9/22/2015 4:30:29 PM

Melissa Deyo, Project Manager I

(716)504-9874

[melissa.deyo@testamericainc.com](mailto:melissa.deyo@testamericainc.com)

### LINKS

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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.

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## Definitions/Glossary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87473-1

### Qualifiers

#### Metals

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

### 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
CFL	Contains Free Liquid
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)

## Case Narrative

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87473-1

**Job ID: 480-87473-1**

**Laboratory: TestAmerica Buffalo**

### Narrative

#### Job Narrative 480-87473-1

#### Receipt

The samples were received on 9/17/2015 5:40 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 19.1° C.

#### Receipt Exceptions

No times of collection were provided, time of 00:00 was used for login.

#### Metals

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



## Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87473-1

### Client Sample ID: CSB-5-4

### Lab Sample ID: 480-87473-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1060		1.9	0.46	mg/Kg	1	☼	6010C	Total/NA

### Client Sample ID: CSB-3-3

### Lab Sample ID: 480-87473-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	34.6		1.3	0.32	mg/Kg	1	☼	6010C	Total/NA

### Client Sample ID: CSW-21-4

### Lab Sample ID: 480-87473-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	111		3.0	0.60	mg/Kg	1	☼	6010C	Total/NA
Hg	3.3	F2	0.15	0.060	mg/Kg	5	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87473-1

## Client Sample ID: CSB-5-4

Date Collected: 09/17/15 00:00

Date Received: 09/17/15 17:40

## Lab Sample ID: 480-87473-1

Matrix: Solid

Percent Solids: 53.8

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1060		1.9	0.46	mg/Kg	☼	09/18/15 13:00	09/21/15 13:36	1

## Client Sample ID: CSB-3-3

Date Collected: 09/17/15 00:00

Date Received: 09/17/15 17:40

## Lab Sample ID: 480-87473-2

Matrix: Solid

Percent Solids: 75.2

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	34.6		1.3	0.32	mg/Kg	☼	09/18/15 13:00	09/21/15 13:39	1

## Client Sample ID: CSW-21-4

Date Collected: 09/17/15 00:00

Date Received: 09/17/15 17:40

## Lab Sample ID: 480-87473-3

Matrix: Solid

Percent Solids: 67.8

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	111		3.0	0.60	mg/Kg	☼	09/18/15 13:00	09/21/15 13:42	1

### Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	3.3	F2	0.15	0.060	mg/Kg	☼	09/21/15 09:32	09/21/15 14:01	5

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87473-1

## Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-264376/1-A  
Matrix: Solid  
Analysis Batch: 264734

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 264376

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.0	0.24	mg/Kg		09/18/15 13:00	09/21/15 12:38	1
Arsenic	ND		2.0	0.41	mg/Kg		09/18/15 13:00	09/21/15 12:38	1

Lab Sample ID: LCSSRM 480-264376/2-A  
Matrix: Solid  
Analysis Batch: 264734

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 264376

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	90.1	80.96		mg/Kg		89.9	70.1 - 129.9
Arsenic	113	92.91		mg/Kg		82.2	69.7 - 142.5

## Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-264646/1-A  
Matrix: Solid  
Analysis Batch: 264737

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 264646

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.020	0.0080	mg/Kg		09/21/15 09:32	09/21/15 13:41	1

Lab Sample ID: LCSSRM 480-264646/2-A  
Matrix: Solid  
Analysis Batch: 264737

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 264646

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Hg	8.37	9.66		mg/Kg		115.5	51.3 - 148.1

Lab Sample ID: 480-87473-3 MS  
Matrix: Solid  
Analysis Batch: 264737

Client Sample ID: CSW-21-4  
Prep Type: Total/NA  
Prep Batch: 264646

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Hg	3.3	F2	0.469	4.83	4	mg/Kg	✱	325	80 - 120

Lab Sample ID: 480-87473-3 MSD  
Matrix: Solid  
Analysis Batch: 264737

Client Sample ID: CSW-21-4  
Prep Type: Total/NA  
Prep Batch: 264646

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hg	3.3	F2	0.500	6.25	4 F2	mg/Kg	✱	589	80 - 120	26	20

TestAmerica Buffalo

# QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-87473-1

## Metals

### Prep Batch: 264376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87473-1	CSB-5-4	Total/NA	Solid	3050B	
480-87473-2	CSB-3-3	Total/NA	Solid	3050B	
480-87473-3	CSW-21-4	Total/NA	Solid	3050B	
LCSSRM 480-264376/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 480-264376/1-A	Method Blank	Total/NA	Solid	3050B	

### Prep Batch: 264646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87473-3	CSW-21-4	Total/NA	Solid	7471B	
480-87473-3 MS	CSW-21-4	Total/NA	Solid	7471B	
480-87473-3 MSD	CSW-21-4	Total/NA	Solid	7471B	
LCSSRM 480-264646/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 480-264646/1-A	Method Blank	Total/NA	Solid	7471B	

### Analysis Batch: 264734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87473-1	CSB-5-4	Total/NA	Solid	6010C	264376
480-87473-2	CSB-3-3	Total/NA	Solid	6010C	264376
480-87473-3	CSW-21-4	Total/NA	Solid	6010C	264376
LCSSRM 480-264376/2-A	Lab Control Sample	Total/NA	Solid	6010C	264376
MB 480-264376/1-A	Method Blank	Total/NA	Solid	6010C	264376

### Analysis Batch: 264737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87473-3	CSW-21-4	Total/NA	Solid	7471B	264646
480-87473-3 MS	CSW-21-4	Total/NA	Solid	7471B	264646
480-87473-3 MSD	CSW-21-4	Total/NA	Solid	7471B	264646
LCSSRM 480-264646/2-A	Lab Control Sample	Total/NA	Solid	7471B	264646
MB 480-264646/1-A	Method Blank	Total/NA	Solid	7471B	264646

## General Chemistry

### Analysis Batch: 264231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87473-1	CSB-5-4	Total/NA	Solid	Moisture	
480-87473-2	CSB-3-3	Total/NA	Solid	Moisture	
480-87473-3	CSW-21-4	Total/NA	Solid	Moisture	

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87473-1

**Client Sample ID: CSB-5-4**

**Date Collected: 09/17/15 00:00**

**Date Received: 09/17/15 17:40**

**Lab Sample ID: 480-87473-1**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	264231	09/17/15 22:22	CMK	TAL BUF

**Client Sample ID: CSB-5-4**

**Date Collected: 09/17/15 00:00**

**Date Received: 09/17/15 17:40**

**Lab Sample ID: 480-87473-1**

**Matrix: Solid**

**Percent Solids: 53.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			264376	09/18/15 13:00	CMM	TAL BUF
Total/NA	Analysis	6010C		1	264734	09/21/15 13:36	TRB	TAL BUF

**Client Sample ID: CSB-3-3**

**Date Collected: 09/17/15 00:00**

**Date Received: 09/17/15 17:40**

**Lab Sample ID: 480-87473-2**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	264231	09/17/15 22:22	CMK	TAL BUF

**Client Sample ID: CSB-3-3**

**Date Collected: 09/17/15 00:00**

**Date Received: 09/17/15 17:40**

**Lab Sample ID: 480-87473-2**

**Matrix: Solid**

**Percent Solids: 75.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			264376	09/18/15 13:00	CMM	TAL BUF
Total/NA	Analysis	6010C		1	264734	09/21/15 13:39	TRB	TAL BUF

**Client Sample ID: CSW-21-4**

**Date Collected: 09/17/15 00:00**

**Date Received: 09/17/15 17:40**

**Lab Sample ID: 480-87473-3**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	264231	09/17/15 22:22	CMK	TAL BUF

**Client Sample ID: CSW-21-4**

**Date Collected: 09/17/15 00:00**

**Date Received: 09/17/15 17:40**

**Lab Sample ID: 480-87473-3**

**Matrix: Solid**

**Percent Solids: 67.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			264376	09/18/15 13:00	CMM	TAL BUF
Total/NA	Analysis	6010C		1	264734	09/21/15 13:42	TRB	TAL BUF
Total/NA	Prep	7471B			264646	09/21/15 09:32	TAS	TAL BUF
Total/NA	Analysis	7471B		5	264737	09/21/15 14:01	TAS	TAL BUF

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87473-1

**Laboratory References:**

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

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# Certification Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87473-1

## 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	03-31-16

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

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

## Method Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87473-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL BUF
7471B	Mercury (CVAA)	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



## Sample Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87473-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-87473-1	CSB-5-4	Solid	09/17/15 00:00	09/17/15 17:40
480-87473-2	CSB-3-3	Solid	09/17/15 00:00	09/17/15 17:40
480-87473-3	CSW-21-4	Solid	09/17/15 00:00	09/17/15 17:40



## Login Sample Receipt Checklist

Client: Iyer Environmental Group, LLC

Job Number: 480-87473-1

**Login Number: 87473**

**List Number: 1**

**Creator: Kolb, Chris M**

**List Source: TestAmerica Buffalo**

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.	False	
Cooler Temperature is acceptable.	True	Yes: Received same day of collection
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.	False	Refer to job narrative for details
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.	False	Refer to job narrative for details
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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
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	iyer env.
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-87473-2

Client Project/Site: 132 Dingens

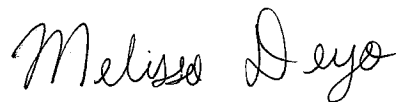
For:

Iyer Environmental Group, LLC

44 Rolling Hills Drive

Orchard Park, New York 14127

Attn: Dr. Dharmarajan R Iyer



Authorized for release by:

9/30/2015 8:38:46 AM

Melissa Deyo, Project Manager I

(716)504-9874

[melissa.deyo@testamericainc.com](mailto:melissa.deyo@testamericainc.com)

### LINKS

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*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.*

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## Definitions/Glossary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87473-2

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)

## Case Narrative

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87473-2

**Job ID: 480-87473-2**

**Laboratory: TestAmerica Buffalo**

### Narrative

#### Job Narrative 480-87473-2

#### Receipt

The samples were received on 9/17/2015 5:40 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 19.1° C.

#### Receipt Exceptions

No times of collection were provided, time of 00:00 was used for login.

#### Metals

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

## Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87473-2

**Client Sample ID: CSB-5-4**

**Lab Sample ID: 480-87473-1**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	84.2		3.9	0.77	mg/Kg	1	☼	6010C	Total/NA
Mercury	4.1		0.18	0.074	mg/Kg	5	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo



# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87473-2

**Client Sample ID: CSB-5-4**

**Date Collected: 09/17/15 00:00**

**Date Received: 09/17/15 17:40**

**Lab Sample ID: 480-87473-1**

**Matrix: Solid**

**Percent Solids: 53.8**

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	84.2		3.9	0.77	mg/Kg	☼	09/18/15 13:00	09/21/15 13:36	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	4.1		0.18	0.074	mg/Kg	☼	09/29/15 11:25	09/29/15 13:40	5

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-87473-2

## Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-264376/1-A  
Matrix: Solid  
Analysis Batch: 264734

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 264376

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.0	0.41	mg/Kg	-	09/18/15 13:00	09/21/15 12:38	1

Lab Sample ID: LCSSRM 480-264376/2-A  
Matrix: Solid  
Analysis Batch: 264734

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 264376

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	113	92.91		mg/Kg	-	82.2	69.7 - 142. 5

## Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-265961/1-A  
Matrix: Solid  
Analysis Batch: 266060

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 265961

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.0081	mg/Kg	-	09/29/15 11:25	09/29/15 13:24	1

Lab Sample ID: LCSSRM 480-265961/2-A  
Matrix: Solid  
Analysis Batch: 266060

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 265961

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	8.37	9.77		mg/Kg	-	116.7	51.3 - 148. 1

## QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-87473-2

### Metals

#### Prep Batch: 264376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87473-1	CSB-5-4	Total/NA	Solid	3050B	
LCSSRM 480-264376/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 480-264376/1-A	Method Blank	Total/NA	Solid	3050B	

#### Analysis Batch: 264734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87473-1	CSB-5-4	Total/NA	Solid	6010C	264376
LCSSRM 480-264376/2-A	Lab Control Sample	Total/NA	Solid	6010C	264376
MB 480-264376/1-A	Method Blank	Total/NA	Solid	6010C	264376

#### Prep Batch: 265961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87473-1	CSB-5-4	Total/NA	Solid	7471B	
LCSSRM 480-265961/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 480-265961/1-A	Method Blank	Total/NA	Solid	7471B	

#### Analysis Batch: 266060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87473-1	CSB-5-4	Total/NA	Solid	7471B	265961
LCSSRM 480-265961/2-A	Lab Control Sample	Total/NA	Solid	7471B	265961
MB 480-265961/1-A	Method Blank	Total/NA	Solid	7471B	265961

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87473-2

**Client Sample ID: CSB-5-4**

**Date Collected: 09/17/15 00:00**

**Date Received: 09/17/15 17:40**

**Lab Sample ID: 480-87473-1**

**Matrix: Solid**

**Percent Solids: 53.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			264376	09/18/15 13:00	CMM	TAL BUF
Total/NA	Analysis	6010C		1	264734	09/21/15 13:36	TRB	TAL BUF
Total/NA	Prep	7471B			265961	09/29/15 11:25	TAS	TAL BUF
Total/NA	Analysis	7471B		5	266060	09/29/15 13:40	TAS	TAL BUF

## Laboratory References:

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

# Certification Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87473-2

## 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	03-31-16
Analysis Method	Prep Method	Matrix	Analyte	

## Method Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87473-2

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL BUF
7471B	Mercury (CVAA)	SW846	TAL BUF

### Protocol References:

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

## Sample Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87473-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-87473-1	CSB-5-4	Solid	09/17/15 00:00	09/17/15 17:40

1

2

3

4

5

6

7

8

9

10

11

12

13

14

## Chain of Custody Record

## THE LEADER IN ENVIRONMENTAL TESTING

Drinking Water? Yes ☐ No ☒

Client	Iyer Environmental Group	Project Manager	Dharma Iyer	Date	Sep 17, 2015	Chain of Custody Number	264477
Address	44 Rolling Hills Dr	Telephone Number (Area Code)/Fax Number	(716) 662-4157	Lab Number		Page	1 of 1


City	State	Zip Code	Site Contact	Lab Contact	Analysis (Attach list if more space is needed)				
Orchard Park	NY	14127	R. Allen	M. Deyo					
Protect Name and Location (State)					Carrier/Waybill Number				

<i>Project Name and Location (State)</i>	<i>Carrier/Waybill Number</i>	<i>Special Instructions/ Conditions of Receipt</i>
132 Dingers St (NY)	P6 A9 TH	
<i>Contract/Purchase Order/Quote No.</i>	<i>Containers &amp;</i>	

Special Instructions/  
Conditions of Receipt

*Sample I.D. No. and Description*  
*(Containers for each sample may be combined on one line)*

Cat B

[illegible]

480-87473 Chain of Custody

480-87473 Chain of Custody

Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown		Sample Disposal <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months		(A fee may be assessed if samples are retained longer than 1 month)
---	--	--	--	---

	<i>QC Requirements (Specify)</i>

<input type="checkbox"/> 24 Hours	<input type="checkbox"/> 48 Hours	<input checked="" type="checkbox"/> 7 Days	<input type="checkbox"/> 14 Days	<input type="checkbox"/> 21 Days	<input type="checkbox"/> Other _____
<p>1. Relinquished By <u>Robert C Allen Jr</u> Date <u>9/17/15</u> Time <u>1740</u></p> <p>2. Relinquished By _____ Date _____ Time _____</p> <p>3. Relinquished By _____ Date _____ Time _____</p>					

Comments
Temp 19.1 No Ice #1

**DISTRIBUTION:** WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy



## Login Sample Receipt Checklist

Client: Iyer Environmental Group, LLC

Job Number: 480-87473-2

**Login Number: 87473**

**List Number: 1**

**Creator: Kolb, Chris M**

**List Source: TestAmerica Buffalo**

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.	False	
Cooler Temperature is acceptable.	True	Yes: Received same day of collection
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.	False	Refer to job narrative for details
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.	False	Refer to job narrative for details
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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
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	iyer env.
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-87872-1

Client Project/Site: 132 Dingens

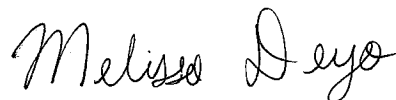
For:

Iyer Environmental Group, LLC

44 Rolling Hills Drive

Orchard Park, New York 14127

Attn: Dr. Dharmarajan R Iyer



Authorized for release by:

9/29/2015 11:24:14 AM

Melissa Deyo, Project Manager I

(716)504-9874

[melissa.deyo@testamericainc.com](mailto:melissa.deyo@testamericainc.com)

### LINKS

Review your project  
results through

**TotalAccess**

Have a Question?



Visit us at:

[www.testamericainc.com](http://www.testamericainc.com)

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*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.*

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## Definitions/Glossary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87872-1

### Qualifiers

#### 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.

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)

## Case Narrative

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-87872-1

**Job ID: 480-87872-1**

**Laboratory: TestAmerica Buffalo**

### Narrative

#### Job Narrative 480-87872-1

#### Receipt

The samples were received on 9/24/2015 1:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 25.3° C.

#### GC Semi VOA

Method(s) 8082A: The following sample was diluted due to the abundance of target analytes: CSB-13 (480-87872-1). Elevated reporting limits (RLs) are provided.

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

#### Organic Prep

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

# Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-87872-1

## Client Sample ID: CSB-13

## Lab Sample ID: 480-87872-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1254	6.6		0.53	0.25	mg/Kg	2		✖	8082A	Total/NA
PCB-1260	3.4		0.53	0.25	mg/Kg	2		✖	8082A	Total/NA

## Client Sample ID: CSB-14

## Lab Sample ID: 480-87872-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1254	0.90		0.20	0.093	mg/Kg	1		✖	8082A	Total/NA
PCB-1260	0.53		0.20	0.093	mg/Kg	1		✖	8082A	Total/NA

## Client Sample ID: CSB-15

## Lab Sample ID: 480-87872-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1254	0.58		0.25	0.12	mg/Kg	1		✖	8082A	Total/NA
PCB-1260	0.62		0.25	0.12	mg/Kg	1		✖	8082A	Total/NA

## Client Sample ID: CSB-16

## Lab Sample ID: 480-87872-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1254	0.90		0.25	0.12	mg/Kg	1		✖	8082A	Total/NA
PCB-1260	0.19	J	0.25	0.12	mg/Kg	1		✖	8082A	Total/NA

## Client Sample ID: CSW-50-2

## Lab Sample ID: 480-87872-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1248	1.3		0.24	0.048	mg/Kg	1		✖	8082A	Total/NA

## Client Sample ID: CSW-53-2

## Lab Sample ID: 480-87872-6

No Detections.

## Client Sample ID: CSW-52-2

## Lab Sample ID: 480-87872-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1248	1.1		0.31	0.061	mg/Kg	1		✖	8082A	Total/NA

## Client Sample ID: CSW-51-2A

## Lab Sample ID: 480-87872-8

No Detections.

## Client Sample ID: CSW-51-2B

## Lab Sample ID: 480-87872-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1248	1.2		0.26	0.050	mg/Kg	1		✖	8082A	Total/NA
PCB-1254	0.57		0.26	0.12	mg/Kg	1		✖	8082A	Total/NA

## Client Sample ID: CSW-60

## Lab Sample ID: 480-87872-10

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87872-1

**Client Sample ID: CSB-13**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87872-1**

**Matrix: Solid**

**Percent Solids: 92.8**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.53	0.10	mg/Kg	☼	09/25/15 08:45	09/25/15 18:36	2
PCB-1221	ND		0.53	0.10	mg/Kg	☼	09/25/15 08:45	09/25/15 18:36	2
PCB-1232	ND		0.53	0.10	mg/Kg	☼	09/25/15 08:45	09/25/15 18:36	2
PCB-1242	ND		0.53	0.10	mg/Kg	☼	09/25/15 08:45	09/25/15 18:36	2
PCB-1248	ND		0.53	0.10	mg/Kg	☼	09/25/15 08:45	09/25/15 18:36	2
PCB-1254	6.6		0.53	0.25	mg/Kg	☼	09/25/15 08:45	09/25/15 18:36	2
PCB-1260	3.4		0.53	0.25	mg/Kg	☼	09/25/15 08:45	09/25/15 18:36	2
PCB-1262	ND		0.53	0.25	mg/Kg	☼	09/25/15 08:45	09/25/15 18:36	2
PCB-1268	ND		0.53	0.25	mg/Kg	☼	09/25/15 08:45	09/25/15 18:36	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	89		60 - 154				09/25/15 08:45	09/25/15 18:36	2
DCB Decachlorobiphenyl	140		65 - 174				09/25/15 08:45	09/25/15 18:36	2

**Client Sample ID: CSB-14**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87872-2**

**Matrix: Solid**

**Percent Solids: 97.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.20	0.039	mg/Kg	☼	09/25/15 08:45	09/25/15 18:52	1
PCB-1221	ND		0.20	0.039	mg/Kg	☼	09/25/15 08:45	09/25/15 18:52	1
PCB-1232	ND		0.20	0.039	mg/Kg	☼	09/25/15 08:45	09/25/15 18:52	1
PCB-1242	ND		0.20	0.039	mg/Kg	☼	09/25/15 08:45	09/25/15 18:52	1
PCB-1248	ND		0.20	0.039	mg/Kg	☼	09/25/15 08:45	09/25/15 18:52	1
PCB-1254	0.90		0.20	0.093	mg/Kg	☼	09/25/15 08:45	09/25/15 18:52	1
PCB-1260	0.53		0.20	0.093	mg/Kg	☼	09/25/15 08:45	09/25/15 18:52	1
PCB-1262	ND		0.20	0.093	mg/Kg	☼	09/25/15 08:45	09/25/15 18:52	1
PCB-1268	ND		0.20	0.093	mg/Kg	☼	09/25/15 08:45	09/25/15 18:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	80		60 - 154				09/25/15 08:45	09/25/15 18:52	1
DCB Decachlorobiphenyl	99		65 - 174				09/25/15 08:45	09/25/15 18:52	1

**Client Sample ID: CSB-15**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87872-3**

**Matrix: Solid**

**Percent Solids: 90.6**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.049	mg/Kg	☼	09/25/15 08:45	09/25/15 19:08	1
PCB-1221	ND		0.25	0.049	mg/Kg	☼	09/25/15 08:45	09/25/15 19:08	1
PCB-1232	ND		0.25	0.049	mg/Kg	☼	09/25/15 08:45	09/25/15 19:08	1
PCB-1242	ND		0.25	0.049	mg/Kg	☼	09/25/15 08:45	09/25/15 19:08	1
PCB-1248	ND		0.25	0.049	mg/Kg	☼	09/25/15 08:45	09/25/15 19:08	1
PCB-1254	0.58		0.25	0.12	mg/Kg	☼	09/25/15 08:45	09/25/15 19:08	1
PCB-1260	0.62		0.25	0.12	mg/Kg	☼	09/25/15 08:45	09/25/15 19:08	1
PCB-1262	ND		0.25	0.12	mg/Kg	☼	09/25/15 08:45	09/25/15 19:08	1
PCB-1268	ND		0.25	0.12	mg/Kg	☼	09/25/15 08:45	09/25/15 19:08	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87872-1

## Client Sample ID: CSB-15

Date Collected: 09/24/15 00:00

Date Received: 09/24/15 13:50

## Lab Sample ID: 480-87872-3

Matrix: Solid

Percent Solids: 90.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	94		60 - 154	09/25/15 08:45	09/25/15 19:08	1
DCB Decachlorobiphenyl	108		65 - 174	09/25/15 08:45	09/25/15 19:08	1

## Client Sample ID: CSB-16

Date Collected: 09/24/15 00:00

Date Received: 09/24/15 13:50

## Lab Sample ID: 480-87872-4

Matrix: Solid

Percent Solids: 85.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.049	mg/Kg	☼	09/25/15 08:45	09/25/15 18:20	1
PCB-1221	ND		0.25	0.049	mg/Kg	☼	09/25/15 08:45	09/25/15 18:20	1
PCB-1232	ND		0.25	0.049	mg/Kg	☼	09/25/15 08:45	09/25/15 18:20	1
PCB-1242	ND		0.25	0.049	mg/Kg	☼	09/25/15 08:45	09/25/15 18:20	1
PCB-1248	ND		0.25	0.049	mg/Kg	☼	09/25/15 08:45	09/25/15 18:20	1
PCB-1254	0.90		0.25	0.12	mg/Kg	☼	09/25/15 08:45	09/25/15 18:20	1
PCB-1260	0.19	J	0.25	0.12	mg/Kg	☼	09/25/15 08:45	09/25/15 18:20	1
PCB-1262	ND		0.25	0.12	mg/Kg	☼	09/25/15 08:45	09/25/15 18:20	1
PCB-1268	ND		0.25	0.12	mg/Kg	☼	09/25/15 08:45	09/25/15 18:20	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
Tetrachloro-m-xylene	88		60 - 154	09/25/15 08:45	09/25/15 18:20	1			
DCB Decachlorobiphenyl	87		65 - 174	09/25/15 08:45	09/25/15 18:20	1			

## Client Sample ID: CSW-50-2

Date Collected: 09/24/15 00:00

Date Received: 09/24/15 13:50

## Lab Sample ID: 480-87872-5

Matrix: Solid

Percent Solids: 87.7

### 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	☼	09/25/15 08:45	09/25/15 19:24	1
PCB-1221	ND		0.24	0.048	mg/Kg	☼	09/25/15 08:45	09/25/15 19:24	1
PCB-1232	ND		0.24	0.048	mg/Kg	☼	09/25/15 08:45	09/25/15 19:24	1
PCB-1242	ND		0.24	0.048	mg/Kg	☼	09/25/15 08:45	09/25/15 19:24	1
PCB-1248	1.3		0.24	0.048	mg/Kg	☼	09/25/15 08:45	09/25/15 19:24	1
PCB-1254	ND		0.24	0.11	mg/Kg	☼	09/25/15 08:45	09/25/15 19:24	1
PCB-1260	ND		0.24	0.11	mg/Kg	☼	09/25/15 08:45	09/25/15 19:24	1
PCB-1262	ND		0.24	0.11	mg/Kg	☼	09/25/15 08:45	09/25/15 19:24	1
PCB-1268	ND		0.24	0.11	mg/Kg	☼	09/25/15 08:45	09/25/15 19:24	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
Tetrachloro-m-xylene	94		60 - 154	09/25/15 08:45	09/25/15 19:24	1			
DCB Decachlorobiphenyl	102		65 - 174	09/25/15 08:45	09/25/15 19:24	1			

## Client Sample ID: CSW-53-2

Date Collected: 09/24/15 00:00

Date Received: 09/24/15 13:50

## Lab Sample ID: 480-87872-6

Matrix: Solid

Percent Solids: 92.9

### 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	☼	09/25/15 08:45	09/25/15 19:40	1
PCB-1221	ND		0.24	0.048	mg/Kg	☼	09/25/15 08:45	09/25/15 19:40	1

TestAmerica Buffalo



# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87872-1

**Client Sample ID: CSW-53-2**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87872-6**

**Matrix: Solid**

**Percent Solids: 92.9**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	ND		0.24	0.048	mg/Kg	☼	09/25/15 08:45	09/25/15 19:40	1
PCB-1242	ND		0.24	0.048	mg/Kg	☼	09/25/15 08:45	09/25/15 19:40	1
PCB-1248	ND		0.24	0.048	mg/Kg	☼	09/25/15 08:45	09/25/15 19:40	1
PCB-1254	ND		0.24	0.11	mg/Kg	☼	09/25/15 08:45	09/25/15 19:40	1
PCB-1260	ND		0.24	0.11	mg/Kg	☼	09/25/15 08:45	09/25/15 19:40	1
PCB-1262	ND		0.24	0.11	mg/Kg	☼	09/25/15 08:45	09/25/15 19:40	1
PCB-1268	ND		0.24	0.11	mg/Kg	☼	09/25/15 08:45	09/25/15 19:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	95		60 - 154	09/25/15 08:45	09/25/15 19:40	1
DCB Decachlorobiphenyl	103		65 - 174	09/25/15 08:45	09/25/15 19:40	1

**Client Sample ID: CSW-52-2**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87872-7**

**Matrix: Solid**

**Percent Solids: 76.0**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.31	0.061	mg/Kg	☼	09/25/15 08:45	09/25/15 20:27	1
PCB-1221	ND		0.31	0.061	mg/Kg	☼	09/25/15 08:45	09/25/15 20:27	1
PCB-1232	ND		0.31	0.061	mg/Kg	☼	09/25/15 08:45	09/25/15 20:27	1
PCB-1242	ND		0.31	0.061	mg/Kg	☼	09/25/15 08:45	09/25/15 20:27	1
PCB-1248	1.1		0.31	0.061	mg/Kg	☼	09/25/15 08:45	09/25/15 20:27	1
PCB-1254	ND		0.31	0.15	mg/Kg	☼	09/25/15 08:45	09/25/15 20:27	1
PCB-1260	ND		0.31	0.15	mg/Kg	☼	09/25/15 08:45	09/25/15 20:27	1
PCB-1262	ND		0.31	0.15	mg/Kg	☼	09/25/15 08:45	09/25/15 20:27	1
PCB-1268	ND		0.31	0.15	mg/Kg	☼	09/25/15 08:45	09/25/15 20:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	92		60 - 154	09/25/15 08:45	09/25/15 20:27	1
DCB Decachlorobiphenyl	92		65 - 174	09/25/15 08:45	09/25/15 20:27	1

**Client Sample ID: CSW-51-2A**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87872-8**

**Matrix: Solid**

**Percent Solids: 77.1**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.30	0.059	mg/Kg	☼	09/25/15 08:45	09/25/15 20:43	1
PCB-1221	ND		0.30	0.059	mg/Kg	☼	09/25/15 08:45	09/25/15 20:43	1
PCB-1232	ND		0.30	0.059	mg/Kg	☼	09/25/15 08:45	09/25/15 20:43	1
PCB-1242	ND		0.30	0.059	mg/Kg	☼	09/25/15 08:45	09/25/15 20:43	1
PCB-1248	ND		0.30	0.059	mg/Kg	☼	09/25/15 08:45	09/25/15 20:43	1
PCB-1254	ND		0.30	0.14	mg/Kg	☼	09/25/15 08:45	09/25/15 20:43	1
PCB-1260	ND		0.30	0.14	mg/Kg	☼	09/25/15 08:45	09/25/15 20:43	1
PCB-1262	ND		0.30	0.14	mg/Kg	☼	09/25/15 08:45	09/25/15 20:43	1
PCB-1268	ND		0.30	0.14	mg/Kg	☼	09/25/15 08:45	09/25/15 20:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	98		60 - 154	09/25/15 08:45	09/25/15 20:43	1
DCB Decachlorobiphenyl	93		65 - 174	09/25/15 08:45	09/25/15 20:43	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87872-1

**Client Sample ID: CSW-51-2B**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87872-9**

**Matrix: Solid**

**Percent Solids: 82.1**

## 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	☼	09/25/15 08:45	09/25/15 21:14	1
PCB-1221	ND		0.26	0.050	mg/Kg	☼	09/25/15 08:45	09/25/15 21:14	1
PCB-1232	ND		0.26	0.050	mg/Kg	☼	09/25/15 08:45	09/25/15 21:14	1
PCB-1242	ND		0.26	0.050	mg/Kg	☼	09/25/15 08:45	09/25/15 21:14	1
PCB-1248	1.2		0.26	0.050	mg/Kg	☼	09/25/15 08:45	09/25/15 21:14	1
PCB-1254	0.57		0.26	0.12	mg/Kg	☼	09/25/15 08:45	09/25/15 21:14	1
PCB-1260	ND		0.26	0.12	mg/Kg	☼	09/25/15 08:45	09/25/15 21:14	1
PCB-1262	ND		0.26	0.12	mg/Kg	☼	09/25/15 08:45	09/25/15 21:14	1
PCB-1268	ND		0.26	0.12	mg/Kg	☼	09/25/15 08:45	09/25/15 21:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	94		60 - 154				09/25/15 08:45	09/25/15 21:14	1
DCB Decachlorobiphenyl	95		65 - 174				09/25/15 08:45	09/25/15 21:14	1

**Client Sample ID: CSW-60**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87872-10**

**Matrix: Solid**

**Percent Solids: 91.1**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.049	mg/Kg	☼	09/25/15 08:46	09/25/15 21:30	1
PCB-1221	ND		0.25	0.049	mg/Kg	☼	09/25/15 08:46	09/25/15 21:30	1
PCB-1232	ND		0.25	0.049	mg/Kg	☼	09/25/15 08:46	09/25/15 21:30	1
PCB-1242	ND		0.25	0.049	mg/Kg	☼	09/25/15 08:46	09/25/15 21:30	1
PCB-1248	ND		0.25	0.049	mg/Kg	☼	09/25/15 08:46	09/25/15 21:30	1
PCB-1254	ND		0.25	0.12	mg/Kg	☼	09/25/15 08:46	09/25/15 21:30	1
PCB-1260	ND		0.25	0.12	mg/Kg	☼	09/25/15 08:46	09/25/15 21:30	1
PCB-1262	ND		0.25	0.12	mg/Kg	☼	09/25/15 08:46	09/25/15 21:30	1
PCB-1268	ND		0.25	0.12	mg/Kg	☼	09/25/15 08:46	09/25/15 21:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	99		60 - 154				09/25/15 08:46	09/25/15 21:30	1
DCB Decachlorobiphenyl	101		65 - 174				09/25/15 08:46	09/25/15 21:30	1

TestAmerica Buffalo

# Surrogate Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87872-1

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	TCX2 (60-154)	DCB2 (65-174)
480-87872-1	CSB-13	89	140
480-87872-2	CSB-14	80	99
480-87872-3	CSB-15	94	108
480-87872-4	CSB-16	88	87
480-87872-4 MS	CSB-16	107	127
480-87872-4 MSD	CSB-16	87	108
480-87872-5	CSW-50-2	94	102
480-87872-6	CSW-53-2	95	103
480-87872-7	CSW-52-2	92	92
480-87872-8	CSW-51-2A	98	93
480-87872-8 DU	CSW-51-2A	94	91
480-87872-9	CSW-51-2B	94	95
480-87872-10	CSW-60	99	101
LCS 480-265493/2-A	Lab Control Sample	110	115
MB 480-265493/1-A	Method Blank	102	101

### Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87872-1

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

Lab Sample ID: MB 480-265493/1-A

Matrix: Solid

Analysis Batch: 265611

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 265493

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.17	0.033	mg/Kg		09/25/15 08:45	09/25/15 17:19	1
PCB-1221	ND		0.17	0.033	mg/Kg		09/25/15 08:45	09/25/15 17:19	1
PCB-1232	ND		0.17	0.033	mg/Kg		09/25/15 08:45	09/25/15 17:19	1
PCB-1242	ND		0.17	0.033	mg/Kg		09/25/15 08:45	09/25/15 17:19	1
PCB-1248	ND		0.17	0.033	mg/Kg		09/25/15 08:45	09/25/15 17:19	1
PCB-1254	ND		0.17	0.080	mg/Kg		09/25/15 08:45	09/25/15 17:19	1
PCB-1260	ND		0.17	0.080	mg/Kg		09/25/15 08:45	09/25/15 17:19	1
PCB-1262	ND		0.17	0.080	mg/Kg		09/25/15 08:45	09/25/15 17:19	1
PCB-1268	ND		0.17	0.080	mg/Kg		09/25/15 08:45	09/25/15 17:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	102		60 - 154	09/25/15 08:45	09/25/15 17:19	1
DCB Decachlorobiphenyl	101		65 - 174	09/25/15 08:45	09/25/15 17:19	1

Lab Sample ID: LCS 480-265493/2-A

Matrix: Solid

Analysis Batch: 265611

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 265493

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
PCB-1016	1.73	2.02		mg/Kg		117	51 - 185
PCB-1260	1.73	2.08		mg/Kg		120	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	110		60 - 154
DCB Decachlorobiphenyl	115		65 - 174

Lab Sample ID: 480-87872-4 MS

Matrix: Solid

Analysis Batch: 265611

Client Sample ID: CSB-16

Prep Type: Total/NA

Prep Batch: 265493

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
PCB-1016	ND		2.39	3.31		mg/Kg	☼	139	50 - 177
PCB-1260	0.19	J	2.39	3.40		mg/Kg	☼	135	33 - 200

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene	107		60 - 154
DCB Decachlorobiphenyl	127		65 - 174

Lab Sample ID: 480-87872-4 MSD

Matrix: Solid

Analysis Batch: 265611

Client Sample ID: CSB-16

Prep Type: Total/NA

Prep Batch: 265493

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
PCB-1016	ND		2.54	2.72		mg/Kg	☼	107	50 - 177	20	50
PCB-1260	0.19	J	2.54	2.60		mg/Kg	☼	95	33 - 200	27	50

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-87872-1

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

Lab Sample ID: 480-87872-4 MSD  
Matrix: Solid  
Analysis Batch: 265611

Client Sample ID: CSB-16  
Prep Type: Total/NA  
Prep Batch: 265493

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
Tetrachloro-m-xylene	87		60 - 154
DCB Decachlorobiphenyl	108		65 - 174

Lab Sample ID: 480-87872-8 DU  
Matrix: Solid  
Analysis Batch: 265611

Client Sample ID: CSW-51-2A  
Prep Type: Total/NA  
Prep Batch: 265493

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
PCB-1016	ND		ND		mg/Kg	☼	NC	50
PCB-1221	ND		ND		mg/Kg	☼	NC	
PCB-1232	ND		ND		mg/Kg	☼	NC	
PCB-1242	ND		ND		mg/Kg	☼	NC	
PCB-1248	ND		ND		mg/Kg	☼	NC	
PCB-1254	ND		ND		mg/Kg	☼	NC	
PCB-1260	ND		ND		mg/Kg	☼	NC	50
PCB-1262	ND		ND		mg/Kg	☼	NC	
PCB-1268	ND		ND		mg/Kg	☼	NC	

	DU	DU	
Surrogate	%Recovery	Qualifier	Limits
Tetrachloro-m-xylene	94		60 - 154
DCB Decachlorobiphenyl	91		65 - 174

# QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87872-1

## GC Semi VOA

### Prep Batch: 265493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87872-1	CSB-13	Total/NA	Solid	3550C	
480-87872-2	CSB-14	Total/NA	Solid	3550C	
480-87872-3	CSB-15	Total/NA	Solid	3550C	
480-87872-4	CSB-16	Total/NA	Solid	3550C	
480-87872-4 MS	CSB-16	Total/NA	Solid	3550C	
480-87872-4 MSD	CSB-16	Total/NA	Solid	3550C	
480-87872-5	CSW-50-2	Total/NA	Solid	3550C	
480-87872-6	CSW-53-2	Total/NA	Solid	3550C	
480-87872-7	CSW-52-2	Total/NA	Solid	3550C	
480-87872-8	CSW-51-2A	Total/NA	Solid	3550C	
480-87872-8 DU	CSW-51-2A	Total/NA	Solid	3550C	
480-87872-9	CSW-51-2B	Total/NA	Solid	3550C	
480-87872-10	CSW-60	Total/NA	Solid	3550C	
LCS 480-265493/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 480-265493/1-A	Method Blank	Total/NA	Solid	3550C	

### Analysis Batch: 265611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87872-1	CSB-13	Total/NA	Solid	8082A	265493
480-87872-2	CSB-14	Total/NA	Solid	8082A	265493
480-87872-3	CSB-15	Total/NA	Solid	8082A	265493
480-87872-4	CSB-16	Total/NA	Solid	8082A	265493
480-87872-4 MS	CSB-16	Total/NA	Solid	8082A	265493
480-87872-4 MSD	CSB-16	Total/NA	Solid	8082A	265493
480-87872-5	CSW-50-2	Total/NA	Solid	8082A	265493
480-87872-6	CSW-53-2	Total/NA	Solid	8082A	265493
480-87872-7	CSW-52-2	Total/NA	Solid	8082A	265493
480-87872-8	CSW-51-2A	Total/NA	Solid	8082A	265493
480-87872-8 DU	CSW-51-2A	Total/NA	Solid	8082A	265493
480-87872-9	CSW-51-2B	Total/NA	Solid	8082A	265493
480-87872-10	CSW-60	Total/NA	Solid	8082A	265493
LCS 480-265493/2-A	Lab Control Sample	Total/NA	Solid	8082A	265493
MB 480-265493/1-A	Method Blank	Total/NA	Solid	8082A	265493

## General Chemistry

### Analysis Batch: 265421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87872-1	CSB-13	Total/NA	Solid	Moisture	
480-87872-2	CSB-14	Total/NA	Solid	Moisture	
480-87872-3	CSB-15	Total/NA	Solid	Moisture	
480-87872-4	CSB-16	Total/NA	Solid	Moisture	
480-87872-4 MS	CSB-16	Total/NA	Solid	Moisture	
480-87872-4 MSD	CSB-16	Total/NA	Solid	Moisture	
480-87872-5	CSW-50-2	Total/NA	Solid	Moisture	
480-87872-6	CSW-53-2	Total/NA	Solid	Moisture	
480-87872-7	CSW-52-2	Total/NA	Solid	Moisture	
480-87872-8	CSW-51-2A	Total/NA	Solid	Moisture	
480-87872-8 DU	CSW-51-2A	Total/NA	Solid	Moisture	
480-87872-9	CSW-51-2B	Total/NA	Solid	Moisture	

TestAmerica Buffalo

## QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-87872-1

### General Chemistry (Continued)

#### Analysis Batch: 265421 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87872-10	CSW-60	Total/NA	Solid	Moisture	

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87872-1

**Client Sample ID: CSB-13**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87872-1**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	265421	09/24/15 19:58	CMK	TAL BUF

**Client Sample ID: CSB-13**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87872-1**

**Matrix: Solid**

**Percent Solids: 92.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			265493	09/25/15 08:45	CAM	TAL BUF
Total/NA	Analysis	8082A		2	265611	09/25/15 18:36	KS	TAL BUF

**Client Sample ID: CSB-14**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87872-2**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	265421	09/24/15 19:58	CMK	TAL BUF

**Client Sample ID: CSB-14**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87872-2**

**Matrix: Solid**

**Percent Solids: 97.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			265493	09/25/15 08:45	CAM	TAL BUF
Total/NA	Analysis	8082A		1	265611	09/25/15 18:52	KS	TAL BUF

**Client Sample ID: CSB-15**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87872-3**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	265421	09/24/15 19:58	CMK	TAL BUF

**Client Sample ID: CSB-15**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87872-3**

**Matrix: Solid**

**Percent Solids: 90.6**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			265493	09/25/15 08:45	CAM	TAL BUF
Total/NA	Analysis	8082A		1	265611	09/25/15 19:08	KS	TAL BUF

TestAmerica Buffalo



# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87872-1

**Client Sample ID: CSB-16**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87872-4**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	265421	09/24/15 19:58	CMK	TAL BUF

**Client Sample ID: CSB-16**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87872-4**

**Matrix: Solid**

**Percent Solids: 85.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			265493	09/25/15 08:45	CAM	TAL BUF
Total/NA	Analysis	8082A		1	265611	09/25/15 18:20	KS	TAL BUF

**Client Sample ID: CSW-50-2**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87872-5**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	265421	09/24/15 19:58	CMK	TAL BUF

**Client Sample ID: CSW-50-2**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87872-5**

**Matrix: Solid**

**Percent Solids: 87.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			265493	09/25/15 08:45	CAM	TAL BUF
Total/NA	Analysis	8082A		1	265611	09/25/15 19:24	KS	TAL BUF

**Client Sample ID: CSW-53-2**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87872-6**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	265421	09/24/15 19:58	CMK	TAL BUF

**Client Sample ID: CSW-53-2**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87872-6**

**Matrix: Solid**

**Percent Solids: 92.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			265493	09/25/15 08:45	CAM	TAL BUF
Total/NA	Analysis	8082A		1	265611	09/25/15 19:40	KS	TAL BUF

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87872-1

**Client Sample ID: CSW-52-2**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87872-7**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	265421	09/24/15 19:58	CMK	TAL BUF

**Client Sample ID: CSW-52-2**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87872-7**

**Matrix: Solid**

**Percent Solids: 76.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			265493	09/25/15 08:45	CAM	TAL BUF
Total/NA	Analysis	8082A		1	265611	09/25/15 20:27	KS	TAL BUF

**Client Sample ID: CSW-51-2A**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87872-8**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	265421	09/24/15 19:58	CMK	TAL BUF

**Client Sample ID: CSW-51-2A**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87872-8**

**Matrix: Solid**

**Percent Solids: 77.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			265493	09/25/15 08:45	CAM	TAL BUF
Total/NA	Analysis	8082A		1	265611	09/25/15 20:43	KS	TAL BUF

**Client Sample ID: CSW-51-2B**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87872-9**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	265421	09/24/15 19:58	CMK	TAL BUF

**Client Sample ID: CSW-51-2B**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87872-9**

**Matrix: Solid**

**Percent Solids: 82.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			265493	09/25/15 08:45	CAM	TAL BUF
Total/NA	Analysis	8082A		1	265611	09/25/15 21:14	KS	TAL BUF

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-87872-1

**Client Sample ID: CSW-60**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87872-10**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	265421	09/24/15 19:58	CMK	TAL BUF

**Client Sample ID: CSW-60**

**Date Collected: 09/24/15 00:00**

**Date Received: 09/24/15 13:50**

**Lab Sample ID: 480-87872-10**

**Matrix: Solid**

**Percent Solids: 91.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			265493	09/25/15 08:46	CAM	TAL BUF
Total/NA	Analysis	8082A		1	265611	09/25/15 21:30	KS	TAL BUF

## Laboratory References:

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

# Certification Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87872-1

## 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	03-31-16

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

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

## Method Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87872-1

Method	Method Description	Protocol	Laboratory
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	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

# Sample Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-87872-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-87872-1	CSB-13	Solid	09/24/15 00:00	09/24/15 13:50
480-87872-2	CSB-14	Solid	09/24/15 00:00	09/24/15 13:50
480-87872-3	CSB-15	Solid	09/24/15 00:00	09/24/15 13:50
480-87872-4	CSB-16	Solid	09/24/15 00:00	09/24/15 13:50
480-87872-5	CSW-50-2	Solid	09/24/15 00:00	09/24/15 13:50
480-87872-6	CSW-53-2	Solid	09/24/15 00:00	09/24/15 13:50
480-87872-7	CSW-52-2	Solid	09/24/15 00:00	09/24/15 13:50
480-87872-8	CSW-51-2A	Solid	09/24/15 00:00	09/24/15 13:50
480-87872-9	CSW-51-2B	Solid	09/24/15 00:00	09/24/15 13:50
480-87872-10	CSW-60	Solid	09/24/15 00:00	09/24/15 13:50

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt \_\_\_\_\_

Drinking Water? Yes ☐ No ☒

## Chain of Custody Record


TAL-4124 (1007)

Client <b>Iyer Environmental Group</b>		Project Manager <b>Dharma Iyer</b>		Date <b>5 Sep 24, 2015</b>		Chain of Custody Number <b>264469</b>	
Address <b>44 Rolling Hills Dr</b>		Telephone Number (Area Code)/Fax Number <b>(716) 662-4157</b>		Lab Number		Page <b>1</b> of <b>1</b>	
City <b>Orchard Park</b>		State <b>NY</b>		Zip Code <b>14127</b>			
Project Name and Location (State) <b>132 Dindens St (NY)</b>		Site Contact <b>R. Allen</b>		Lab Contact <b>M. Deyo</b>			
Contract/Purchase Order/Quote No.		Carrier/Waybill Number		Analysis (Attach list if more space is needed)		Special Instructions/ Conditions of Receipt <b>CATEGORY B</b>	

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives				Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc	
			Air	Aqueous	Soil	Sed	Soil	Sed	Soil	Sed							
CSB-13	9/24/15				✓												
CSB-14					✓												
CSB-15					✓												
CSB-16					✓												
CSW-50-2					✓												
CSW-53-2					✓												
CSW-52-2					✓												
CSW-51-2A					✓												
CSW-51-2B					✓												
CSW-60					✓												

MS/MSD

Field Dup



480-87872 Chain of Custody

Possible Hazard Identification		Sample Disposal	
<input checked="" type="checkbox"/> Non-Hazard	<input type="checkbox"/> Flammable	<input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Poison B
<input type="checkbox"/> 24 Hours	<input type="checkbox"/> 48 Hours	<input checked="" type="checkbox"/> 7 Days	<input type="checkbox"/> 14 Days
<input type="checkbox"/> 21 Days	<input type="checkbox"/> Other		

QC Requirements (Specify)

Disposal By Lab ☐ Archive For \_\_\_\_\_ Months \_\_\_\_\_ Longer than 1 month

Turn Around Time Required

1. Relinquished By **Richard C Allen Jr** Date **9/24/15** Time \_\_\_\_\_

2. Relinquished By \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

3. Relinquished By \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Comments  
**Temp 25.3 no ice #1**

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

## Login Sample Receipt Checklist

Client: Iyer Environmental Group, LLC

Job Number: 480-87872-1

**Login Number: 87872**

**List Source: TestAmerica Buffalo**

**List Number: 1**

**Creator: Kolb, Chris M**

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.	False	
Cooler Temperature is acceptable.	True	Yes: Received same day of collection
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.	False	Refer to job narrative for details
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.	False	Refer to job narrative for details
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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
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	iyer env.
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	



## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-88825-1

Client Project/Site: 132 Dingens

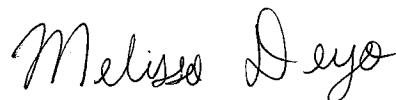
For:

Iyer Environmental Group, LLC

44 Rolling Hills Drive

Orchard Park, New York 14127

Attn: Dr. Dharmarajan R Iyer



Authorized for release by:

10/15/2015 9:22:51 AM

Melissa Deyo, Project Manager I

(716)504-9874

[melissa.deyo@testamericainc.com](mailto:melissa.deyo@testamericainc.com)

### LINKS

Review your project  
results through

TotalAccess

Have a Question?



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[www.testamericainc.com](http://www.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.

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## Definitions/Glossary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-88825-1

### Qualifiers

#### 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.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)

## Case Narrative

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-88825-1

**Job ID: 480-88825-1**

**Laboratory: TestAmerica Buffalo**

### Narrative

#### Job Narrative 480-88825-1

### Receipt

The samples were received on 10/9/2015 1:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 17.5° C.

### Metals

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

## Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-88825-1

### Client Sample ID: CSW-21-5

### Lab Sample ID: 480-88825-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	53.8		2.7	0.54	mg/Kg	1		☼	6010C	Total/NA
Mercury	1.6		0.13	0.055	mg/Kg	5		☼	7471B	Total/NA

### Client Sample ID: CSB-5-5

### Lab Sample ID: 480-88825-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	6.7		2.5	0.50	mg/Kg	1		☼	6010C	Total/NA
Mercury	0.022	J	0.026	0.010	mg/Kg	1		☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-88825-1

## Client Sample ID: CSW-21-5

Date Collected: 10/09/15 00:00

Date Received: 10/09/15 13:50

## Lab Sample ID: 480-88825-1

Matrix: Solid

Percent Solids: 73.8

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	53.8		2.7	0.54	mg/Kg	☼	10/12/15 09:31	10/13/15 01:49	1

### Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	1.6		0.13	0.055	mg/Kg	☼	10/12/15 10:05	10/12/15 14:26	5

## Client Sample ID: CSB-5-5

Date Collected: 10/09/15 00:00

Date Received: 10/09/15 13:50

## Lab Sample ID: 480-88825-2

Matrix: Solid

Percent Solids: 75.7

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.7		2.5	0.50	mg/Kg	☼	10/12/15 09:31	10/13/15 01:52	1

### Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022	J	0.026	0.010	mg/Kg	☼	10/12/15 10:05	10/12/15 12:47	1

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-88825-1

## Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-268057/1-A  
Matrix: Solid  
Analysis Batch: 268388

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 268057

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.0	0.39	mg/Kg	-	10/12/15 09:31	10/13/15 01:43	1

Lab Sample ID: LCSSRM 480-268057/2-A  
Matrix: Solid  
Analysis Batch: 268388

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 268057

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	113	100.0		mg/Kg	-	88.5	69.7 - 142. 5

## Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-268071/1-A  
Matrix: Solid  
Analysis Batch: 268278

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 268071

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.021	0.0083	mg/Kg	-	10/12/15 10:05	10/12/15 12:41	1

Lab Sample ID: LCSSRM 480-268071/2-A  
Matrix: Solid  
Analysis Batch: 268278

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 268071

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	8.37	9.87		mg/Kg	-	118.0	51.3 - 148. 1

# QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-88825-1

## Metals

### Prep Batch: 268057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88825-1	CSW-21-5	Total/NA	Solid	3050B	
480-88825-2	CSB-5-5	Total/NA	Solid	3050B	
LCSSRM 480-268057/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 480-268057/1-A	Method Blank	Total/NA	Solid	3050B	

### Prep Batch: 268071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88825-1	CSW-21-5	Total/NA	Solid	7471B	
480-88825-2	CSB-5-5	Total/NA	Solid	7471B	
LCSSRM 480-268071/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 480-268071/1-A	Method Blank	Total/NA	Solid	7471B	

### Analysis Batch: 268278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88825-1	CSW-21-5	Total/NA	Solid	7471B	268071
480-88825-2	CSB-5-5	Total/NA	Solid	7471B	268071
LCSSRM 480-268071/2-A	Lab Control Sample	Total/NA	Solid	7471B	268071
MB 480-268071/1-A	Method Blank	Total/NA	Solid	7471B	268071

### Analysis Batch: 268388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88825-1	CSW-21-5	Total/NA	Solid	6010C	268057
480-88825-2	CSB-5-5	Total/NA	Solid	6010C	268057
LCSSRM 480-268057/2-A	Lab Control Sample	Total/NA	Solid	6010C	268057
MB 480-268057/1-A	Method Blank	Total/NA	Solid	6010C	268057

## General Chemistry

### Analysis Batch: 268040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88825-1	CSW-21-5	Total/NA	Solid	Moisture	

### Analysis Batch: 268361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88825-2	CSB-5-5	Total/NA	Solid	Moisture	



# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-88825-1

**Client Sample ID: CSW-21-5**

**Date Collected: 10/09/15 00:00**

**Date Received: 10/09/15 13:50**

**Lab Sample ID: 480-88825-1**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	268040	10/09/15 23:05	CMK	TAL BUF

**Client Sample ID: CSW-21-5**

**Date Collected: 10/09/15 00:00**

**Date Received: 10/09/15 13:50**

**Lab Sample ID: 480-88825-1**

**Matrix: Solid**

**Percent Solids: 73.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			268057	10/12/15 09:31	CMM	TAL BUF
Total/NA	Analysis	6010C		1	268388	10/13/15 01:49	SLB	TAL BUF
Total/NA	Prep	7471B			268071	10/12/15 10:05	TAS	TAL BUF
Total/NA	Analysis	7471B		5	268278	10/12/15 14:26	TAS	TAL BUF

**Client Sample ID: CSB-5-5**

**Date Collected: 10/09/15 00:00**

**Date Received: 10/09/15 13:50**

**Lab Sample ID: 480-88825-2**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	268361	10/13/15 07:05	CSW	TAL BUF

**Client Sample ID: CSB-5-5**

**Date Collected: 10/09/15 00:00**

**Date Received: 10/09/15 13:50**

**Lab Sample ID: 480-88825-2**

**Matrix: Solid**

**Percent Solids: 75.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			268057	10/12/15 09:31	CMM	TAL BUF
Total/NA	Analysis	6010C		1	268388	10/13/15 01:52	SLB	TAL BUF
Total/NA	Prep	7471B			268071	10/12/15 10:05	TAS	TAL BUF
Total/NA	Analysis	7471B		1	268278	10/12/15 12:47	TAS	TAL BUF

## Laboratory References:

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

# Certification Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-88825-1

## 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	03-31-16

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

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

## Method Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-88825-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL BUF
7471B	Mercury (CVAA)	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

## Sample Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-88825-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-88825-1	CSW-21-5	Solid	10/09/15 00:00	10/09/15 13:50
480-88825-2	CSB-5-5	Solid	10/09/15 00:00	10/09/15 13:50

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## Login Sample Receipt Checklist

Client: Iyer Environmental Group, LLC

Job Number: 480-88825-1

Login Number: 88825

List Number: 1

Creator: Wallace, Cameron

List Source: TestAmerica Buffalo

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.	False	
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	True	
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.	N/A	
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	IYER
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-89114-1

Client Project/Site: 132 Dingens

Revision: 1

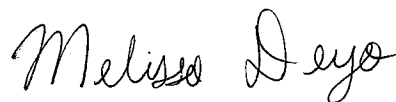
For:

Iyer Environmental Group, LLC

44 Rolling Hills Drive

Orchard Park, New York 14127

Attn: Dr. Dharmarajan R Iyer



Authorized for release by:

6/14/2016 9:29:36 AM

Melissa Deyo, Project Manager I

(716)504-9874

[melissa.deyo@testamericainc.com](mailto:melissa.deyo@testamericainc.com)

### LINKS

Review your project  
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[www.testamericainc.com](http://www.testamericainc.com)

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*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.*

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## Definitions/Glossary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89114-1

### Qualifiers

#### 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

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)

## Case Narrative

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89114-1

**Job ID: 480-89114-1**

**Laboratory: TestAmerica Buffalo**

### Narrative

#### Job Narrative 480-89114-1

#### Receipt

The samples were received on 10/14/2015 6:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 13.6° C.

#### Receipt Exceptions

no times of collection were provided. Time of 00:00 was used for sample login.

#### GC Semi VOA

Method(s) 8082A: Decachlorobiphenyl surrogate recovery for the following sample was outside control limits: CSW-64 (480-89114-11). Matrix interference is suspected and Tetrachloro-m-xylene surrogate recovery was within control limits; therefore, re-extraction and re-analysis were not performed.

Method(s) 8082A: The following sample required a dilution due to the matrix effects and is reported as elevated non-detections for all target analytes (Aroclors) ; CSW-62 (480-89114-9). The reported values represent the lowest limit that can be ascertained given the sample composition.

Method(s) 8082A: The following samples were diluted due to the nature of the sample matrix: CSB-15-2 (480-89114-5), CSW-63 (480-89114-10) and CSW-66 (480-89114-13). Elevated reporting limits (RLs) are provided.

Method(s) 8082A: The following sample appears to contain polychlorinated biphenyls (PCBs); however, due to the presence of unknown patterns, the PCBs in the sample do not closely match any of the laboratory's Aroclor standards used for instrument calibration: CSW-62 (480-89114-9). The sample was attempted to be quantified and reported as PCB-1254, though due to the poor match with the Aroclor standard, qualitative and quantitative uncertainty the final result was below the method detection limit and reported as non-detect.

Method(s) 8082A: All primary data is reported from the ZB-5 column.

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

#### Organic Prep

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

# Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89114-1

## Client Sample ID: CSB-12-2

Lab Sample ID: 480-89114-1

No Detections.

## Client Sample ID: CSB-13-2

Lab Sample ID: 480-89114-2

No Detections.

## Client Sample ID: CSB-14-2

Lab Sample ID: 480-89114-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1260	0.34		0.28	0.13	mg/Kg	1	☼	8082A	Total/NA

## Client Sample ID: CSB-17

Lab Sample ID: 480-89114-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	0.30		0.27	0.053	mg/Kg	1	☼	8082A	Total/NA

## Client Sample ID: CSB-15-2

Lab Sample ID: 480-89114-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	0.86	J	1.3	0.60	mg/Kg	5	☼	8082A	Total/NA
PCB-1260	0.60	J	1.3	0.60	mg/Kg	5	☼	8082A	Total/NA

## Client Sample ID: CSW-51-3B

Lab Sample ID: 480-89114-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	0.81		0.21	0.042	mg/Kg	1	☼	8082A	Total/NA
PCB-1254	0.34		0.21	0.10	mg/Kg	1	☼	8082A	Total/NA

## Client Sample ID: CSW-55-2

Lab Sample ID: 480-89114-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	2.2		0.29	0.14	mg/Kg	1	☼	8082A	Total/NA
PCB-1260	0.97		0.29	0.14	mg/Kg	1	☼	8082A	Total/NA

## Client Sample ID: CSW-61

Lab Sample ID: 480-89114-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	1.9		0.21	0.097	mg/Kg	1	☼	8082A	Total/NA
PCB-1260	0.78		0.21	0.097	mg/Kg	1	☼	8082A	Total/NA

## Client Sample ID: CSW-62

Lab Sample ID: 480-89114-9

No Detections.

## Client Sample ID: CSW-63

Lab Sample ID: 480-89114-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1242	18		5.7	1.1	mg/Kg	20	☼	8082A	Total/NA
PCB-1254	5.1	J	5.7	2.7	mg/Kg	20	☼	8082A	Total/NA

## Client Sample ID: CSW-64

Lab Sample ID: 480-89114-11

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

## Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-89114-1

### Client Sample ID: CSW-64 (Continued)

### Lab Sample ID: 480-89114-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1248	0.78		0.26	0.052	mg/Kg	1		✱	8082A	Total/NA
PCB-1254	1.2		0.26	0.12	mg/Kg	1		✱	8082A	Total/NA
PCB-1260	0.61		0.26	0.12	mg/Kg	1		✱	8082A	Total/NA

### Client Sample ID: CSW-65

### Lab Sample ID: 480-89114-12

No Detections.

### Client Sample ID: CSW-66

### Lab Sample ID: 480-89114-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1248	0.55	J	1.1	0.21	mg/Kg	5		✱	8082A	Total/NA
PCB-1254	0.94	J	1.1	0.50	mg/Kg	5		✱	8082A	Total/NA
PCB-1260	0.55	J	1.1	0.50	mg/Kg	5		✱	8082A	Total/NA

### Client Sample ID: CSW-67

### Lab Sample ID: 480-89114-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1254	0.14	J	0.29	0.14	mg/Kg	1		✱	8082A	Total/NA

### Client Sample ID: CSW-68

### Lab Sample ID: 480-89114-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1248	1.4		0.30	0.060	mg/Kg	1		✱	8082A	Total/NA
PCB-1254	0.64		0.30	0.14	mg/Kg	1		✱	8082A	Total/NA

### Client Sample ID: CSW-69

### Lab Sample ID: 480-89114-16

No Detections.

### Client Sample ID: CSW-70

### Lab Sample ID: 480-89114-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1248	0.72		0.27	0.053	mg/Kg	1		✱	8082A	Total/NA
PCB-1254	0.38		0.27	0.13	mg/Kg	1		✱	8082A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89114-1

**Client Sample ID: CSB-12-2**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-1**

**Matrix: Solid**

**Percent Solids: 85.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.27	0.054	mg/Kg	☼	10/15/15 09:26	10/15/15 15:21	1
PCB-1221	ND		0.27	0.054	mg/Kg	☼	10/15/15 09:26	10/15/15 15:21	1
PCB-1232	ND		0.27	0.054	mg/Kg	☼	10/15/15 09:26	10/15/15 15:21	1
PCB-1242	ND		0.27	0.054	mg/Kg	☼	10/15/15 09:26	10/15/15 15:21	1
PCB-1248	ND		0.27	0.054	mg/Kg	☼	10/15/15 09:26	10/15/15 15:21	1
PCB-1254	ND		0.27	0.13	mg/Kg	☼	10/15/15 09:26	10/15/15 15:21	1
PCB-1260	ND		0.27	0.13	mg/Kg	☼	10/15/15 09:26	10/15/15 15:21	1
PCB-1262	ND		0.27	0.13	mg/Kg	☼	10/15/15 09:26	10/15/15 15:21	1
PCB-1268	ND		0.27	0.13	mg/Kg	☼	10/15/15 09:26	10/15/15 15:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	104		60 - 154	10/15/15 09:26	10/15/15 15:21	1
Tetrachloro-m-xylene	112		60 - 154	10/15/15 09:26	10/15/15 15:21	1
DCB Decachlorobiphenyl	107		65 - 174	10/15/15 09:26	10/15/15 15:21	1
DCB Decachlorobiphenyl	141		65 - 174	10/15/15 09:26	10/15/15 15:21	1

**Client Sample ID: CSB-13-2**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-2**

**Matrix: Solid**

**Percent Solids: 85.6**

## 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	☼	10/15/15 09:26	10/15/15 15:37	1
PCB-1221	ND		0.24	0.047	mg/Kg	☼	10/15/15 09:26	10/15/15 15:37	1
PCB-1232	ND		0.24	0.047	mg/Kg	☼	10/15/15 09:26	10/15/15 15:37	1
PCB-1242	ND		0.24	0.047	mg/Kg	☼	10/15/15 09:26	10/15/15 15:37	1
PCB-1248	ND		0.24	0.047	mg/Kg	☼	10/15/15 09:26	10/15/15 15:37	1
PCB-1254	ND		0.24	0.11	mg/Kg	☼	10/15/15 09:26	10/15/15 15:37	1
PCB-1260	ND		0.24	0.11	mg/Kg	☼	10/15/15 09:26	10/15/15 15:37	1
PCB-1262	ND		0.24	0.11	mg/Kg	☼	10/15/15 09:26	10/15/15 15:37	1
PCB-1268	ND		0.24	0.11	mg/Kg	☼	10/15/15 09:26	10/15/15 15:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	101		60 - 154	10/15/15 09:26	10/15/15 15:37	1
Tetrachloro-m-xylene	110		60 - 154	10/15/15 09:26	10/15/15 15:37	1
DCB Decachlorobiphenyl	105		65 - 174	10/15/15 09:26	10/15/15 15:37	1
DCB Decachlorobiphenyl	136		65 - 174	10/15/15 09:26	10/15/15 15:37	1

**Client Sample ID: CSB-14-2**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-3**

**Matrix: Solid**

**Percent Solids: 89.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.28	0.054	mg/Kg	☼	10/15/15 09:26	10/15/15 15:53	1
PCB-1221	ND		0.28	0.054	mg/Kg	☼	10/15/15 09:26	10/15/15 15:53	1
PCB-1232	ND		0.28	0.054	mg/Kg	☼	10/15/15 09:26	10/15/15 15:53	1
PCB-1242	ND		0.28	0.054	mg/Kg	☼	10/15/15 09:26	10/15/15 15:53	1
PCB-1248	ND		0.28	0.054	mg/Kg	☼	10/15/15 09:26	10/15/15 15:53	1
PCB-1254	ND		0.28	0.13	mg/Kg	☼	10/15/15 09:26	10/15/15 15:53	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89114-1

**Client Sample ID: CSB-14-2**

**Lab Sample ID: 480-89114-3**

**Date Collected: 10/14/15 00:00**

**Matrix: Solid**

**Date Received: 10/14/15 18:00**

**Percent Solids: 89.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1260	0.34		0.28	0.13	mg/Kg	☼	10/15/15 09:26	10/15/15 15:53	1
PCB-1262	ND		0.28	0.13	mg/Kg	☼	10/15/15 09:26	10/15/15 15:53	1
PCB-1268	ND		0.28	0.13	mg/Kg	☼	10/15/15 09:26	10/15/15 15:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	94		60 - 154				10/15/15 09:26	10/15/15 15:53	1
Tetrachloro-m-xylene	100		60 - 154				10/15/15 09:26	10/15/15 15:53	1
DCB Decachlorobiphenyl	99		65 - 174				10/15/15 09:26	10/15/15 15:53	1
DCB Decachlorobiphenyl	160		65 - 174				10/15/15 09:26	10/15/15 15:53	1

**Client Sample ID: CSB-17**

**Lab Sample ID: 480-89114-4**

**Date Collected: 10/14/15 00:00**

**Matrix: Solid**

**Date Received: 10/14/15 18:00**

**Percent Solids: 83.0**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.27	0.053	mg/Kg	☼	10/15/15 09:26	10/15/15 16:09	1
PCB-1221	ND		0.27	0.053	mg/Kg	☼	10/15/15 09:26	10/15/15 16:09	1
PCB-1232	ND		0.27	0.053	mg/Kg	☼	10/15/15 09:26	10/15/15 16:09	1
PCB-1242	ND		0.27	0.053	mg/Kg	☼	10/15/15 09:26	10/15/15 16:09	1
PCB-1248	0.30		0.27	0.053	mg/Kg	☼	10/15/15 09:26	10/15/15 16:09	1
PCB-1254	ND		0.27	0.13	mg/Kg	☼	10/15/15 09:26	10/15/15 16:09	1
PCB-1260	ND		0.27	0.13	mg/Kg	☼	10/15/15 09:26	10/15/15 16:09	1
PCB-1262	ND		0.27	0.13	mg/Kg	☼	10/15/15 09:26	10/15/15 16:09	1
PCB-1268	ND		0.27	0.13	mg/Kg	☼	10/15/15 09:26	10/15/15 16:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	95		60 - 154				10/15/15 09:26	10/15/15 16:09	1
Tetrachloro-m-xylene	110		60 - 154				10/15/15 09:26	10/15/15 16:09	1
DCB Decachlorobiphenyl	86		65 - 174				10/15/15 09:26	10/15/15 16:09	1
DCB Decachlorobiphenyl	108		65 - 174				10/15/15 09:26	10/15/15 16:09	1

**Client Sample ID: CSB-15-2**

**Lab Sample ID: 480-89114-5**

**Date Collected: 10/14/15 00:00**

**Matrix: Solid**

**Date Received: 10/14/15 18:00**

**Percent Solids: 83.9**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		1.3	0.25	mg/Kg	☼	10/15/15 09:26	10/15/15 16:25	5
PCB-1221	ND		1.3	0.25	mg/Kg	☼	10/15/15 09:26	10/15/15 16:25	5
PCB-1232	ND		1.3	0.25	mg/Kg	☼	10/15/15 09:26	10/15/15 16:25	5
PCB-1242	ND		1.3	0.25	mg/Kg	☼	10/15/15 09:26	10/15/15 16:25	5
PCB-1248	ND		1.3	0.25	mg/Kg	☼	10/15/15 09:26	10/15/15 16:25	5
PCB-1254	0.86	J	1.3	0.60	mg/Kg	☼	10/15/15 09:26	10/15/15 16:25	5
PCB-1260	0.60	J	1.3	0.60	mg/Kg	☼	10/15/15 09:26	10/15/15 16:25	5
PCB-1262	ND		1.3	0.60	mg/Kg	☼	10/15/15 09:26	10/15/15 16:25	5
PCB-1268	ND		1.3	0.60	mg/Kg	☼	10/15/15 09:26	10/15/15 16:25	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	107		60 - 154				10/15/15 09:26	10/15/15 16:25	5
Tetrachloro-m-xylene	112		60 - 154				10/15/15 09:26	10/15/15 16:25	5

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89114-1

## Client Sample ID: CSB-15-2

Date Collected: 10/14/15 00:00

Date Received: 10/14/15 18:00

## Lab Sample ID: 480-89114-5

Matrix: Solid

Percent Solids: 83.9

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	123		65 - 174	10/15/15 09:26	10/15/15 16:25	5
DCB Decachlorobiphenyl	159		65 - 174	10/15/15 09:26	10/15/15 16:25	5

## Client Sample ID: CSW-51-3B

Date Collected: 10/14/15 00:00

Date Received: 10/14/15 18:00

## Lab Sample ID: 480-89114-6

Matrix: Solid

Percent Solids: 83.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.21	0.042	mg/Kg	☼	10/15/15 09:26	10/15/15 16:41	1
PCB-1221	ND		0.21	0.042	mg/Kg	☼	10/15/15 09:26	10/15/15 16:41	1
PCB-1232	ND		0.21	0.042	mg/Kg	☼	10/15/15 09:26	10/15/15 16:41	1
PCB-1242	ND		0.21	0.042	mg/Kg	☼	10/15/15 09:26	10/15/15 16:41	1
PCB-1248	0.81		0.21	0.042	mg/Kg	☼	10/15/15 09:26	10/15/15 16:41	1
PCB-1254	0.34		0.21	0.10	mg/Kg	☼	10/15/15 09:26	10/15/15 16:41	1
PCB-1260	ND		0.21	0.10	mg/Kg	☼	10/15/15 09:26	10/15/15 16:41	1
PCB-1262	ND		0.21	0.10	mg/Kg	☼	10/15/15 09:26	10/15/15 16:41	1
PCB-1268	ND		0.21	0.10	mg/Kg	☼	10/15/15 09:26	10/15/15 16:41	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
Tetrachloro-m-xylene	93		60 - 154	10/15/15 09:26	10/15/15 16:41	1			
Tetrachloro-m-xylene	99		60 - 154	10/15/15 09:26	10/15/15 16:41	1			
DCB Decachlorobiphenyl	84		65 - 174	10/15/15 09:26	10/15/15 16:41	1			
DCB Decachlorobiphenyl	106		65 - 174	10/15/15 09:26	10/15/15 16:41	1			

## Client Sample ID: CSW-55-2

Date Collected: 10/14/15 00:00

Date Received: 10/14/15 18:00

## Lab Sample ID: 480-89114-7

Matrix: Solid

Percent Solids: 82.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.29	0.057	mg/Kg	☼	10/15/15 09:26	10/15/15 17:29	1
PCB-1221	ND		0.29	0.057	mg/Kg	☼	10/15/15 09:26	10/15/15 17:29	1
PCB-1232	ND		0.29	0.057	mg/Kg	☼	10/15/15 09:26	10/15/15 17:29	1
PCB-1242	ND		0.29	0.057	mg/Kg	☼	10/15/15 09:26	10/15/15 17:29	1
PCB-1248	ND		0.29	0.057	mg/Kg	☼	10/15/15 09:26	10/15/15 17:29	1
PCB-1254	2.2		0.29	0.14	mg/Kg	☼	10/15/15 09:26	10/15/15 17:29	1
PCB-1260	0.97		0.29	0.14	mg/Kg	☼	10/15/15 09:26	10/15/15 17:29	1
PCB-1262	ND		0.29	0.14	mg/Kg	☼	10/15/15 09:26	10/15/15 17:29	1
PCB-1268	ND		0.29	0.14	mg/Kg	☼	10/15/15 09:26	10/15/15 17:29	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
Tetrachloro-m-xylene	103		60 - 154	10/15/15 09:26	10/15/15 17:29	1			
Tetrachloro-m-xylene	113		60 - 154	10/15/15 09:26	10/15/15 17:29	1			
DCB Decachlorobiphenyl	107		65 - 174	10/15/15 09:26	10/15/15 17:29	1			
DCB Decachlorobiphenyl	136		65 - 174	10/15/15 09:26	10/15/15 17:29	1			

TestAmerica Buffalo



# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89114-1

**Client Sample ID: CSW-61**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-8**

**Matrix: Solid**

**Percent Solids: 85.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.21	0.041	mg/Kg	☼	10/15/15 09:26	10/15/15 17:45	1
PCB-1221	ND		0.21	0.041	mg/Kg	☼	10/15/15 09:26	10/15/15 17:45	1
PCB-1232	ND		0.21	0.041	mg/Kg	☼	10/15/15 09:26	10/15/15 17:45	1
PCB-1242	ND		0.21	0.041	mg/Kg	☼	10/15/15 09:26	10/15/15 17:45	1
PCB-1248	ND		0.21	0.041	mg/Kg	☼	10/15/15 09:26	10/15/15 17:45	1
PCB-1254	1.9		0.21	0.097	mg/Kg	☼	10/15/15 09:26	10/15/15 17:45	1
PCB-1260	0.78		0.21	0.097	mg/Kg	☼	10/15/15 09:26	10/15/15 17:45	1
PCB-1262	ND		0.21	0.097	mg/Kg	☼	10/15/15 09:26	10/15/15 17:45	1
PCB-1268	ND		0.21	0.097	mg/Kg	☼	10/15/15 09:26	10/15/15 17:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	88		60 - 154				10/15/15 09:26	10/15/15 17:45	1
Tetrachloro-m-xylene	96		60 - 154				10/15/15 09:26	10/15/15 17:45	1
DCB Decachlorobiphenyl	164		65 - 174				10/15/15 09:26	10/15/15 17:45	1
DCB Decachlorobiphenyl	75		65 - 174				10/15/15 09:26	10/15/15 17:45	1

**Client Sample ID: CSW-62**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-9**

**Matrix: Solid**

**Percent Solids: 83.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		5.3	1.0	mg/Kg	☼	10/15/15 09:26	10/15/15 18:01	20
PCB-1221	ND		5.3	1.0	mg/Kg	☼	10/15/15 09:26	10/15/15 18:01	20
PCB-1232	ND		5.3	1.0	mg/Kg	☼	10/15/15 09:26	10/15/15 18:01	20
PCB-1242	ND		5.3	1.0	mg/Kg	☼	10/15/15 09:26	10/15/15 18:01	20
PCB-1248	ND		5.3	1.0	mg/Kg	☼	10/15/15 09:26	10/15/15 18:01	20
PCB-1254	ND		5.3	2.5	mg/Kg	☼	10/15/15 09:26	10/15/15 18:01	20
PCB-1260	ND		5.3	2.5	mg/Kg	☼	10/15/15 09:26	10/15/15 18:01	20
PCB-1262	ND		5.3	2.5	mg/Kg	☼	10/15/15 09:26	10/15/15 18:01	20
PCB-1268	ND		5.3	2.5	mg/Kg	☼	10/15/15 09:26	10/15/15 18:01	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	102		60 - 154				10/15/15 09:26	10/15/15 18:01	20
Tetrachloro-m-xylene	115		60 - 154				10/15/15 09:26	10/15/15 18:01	20
DCB Decachlorobiphenyl	119		65 - 174				10/15/15 09:26	10/15/15 18:01	20
DCB Decachlorobiphenyl	177	X	65 - 174				10/15/15 09:26	10/15/15 18:01	20

**Client Sample ID: CSW-63**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-10**

**Matrix: Solid**

**Percent Solids: 78.1**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		5.7	1.1	mg/Kg	☼	10/15/15 09:26	10/15/15 18:17	20
PCB-1221	ND		5.7	1.1	mg/Kg	☼	10/15/15 09:26	10/15/15 18:17	20
PCB-1232	ND		5.7	1.1	mg/Kg	☼	10/15/15 09:26	10/15/15 18:17	20
PCB-1242	18		5.7	1.1	mg/Kg	☼	10/15/15 09:26	10/15/15 18:17	20
PCB-1248	ND		5.7	1.1	mg/Kg	☼	10/15/15 09:26	10/15/15 18:17	20
PCB-1254	5.1	J	5.7	2.7	mg/Kg	☼	10/15/15 09:26	10/15/15 18:17	20

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# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89114-1

**Client Sample ID: CSW-63**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-10**

**Matrix: Solid**

**Percent Solids: 78.1**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1260	ND		5.7	2.7	mg/Kg	☼	10/15/15 09:26	10/15/15 18:17	20
PCB-1262	ND		5.7	2.7	mg/Kg	☼	10/15/15 09:26	10/15/15 18:17	20
PCB-1268	ND		5.7	2.7	mg/Kg	☼	10/15/15 09:26	10/15/15 18:17	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	98		60 - 154				10/15/15 09:26	10/15/15 18:17	20
Tetrachloro-m-xylene	111		60 - 154				10/15/15 09:26	10/15/15 18:17	20
DCB Decachlorobiphenyl	173		65 - 174				10/15/15 09:26	10/15/15 18:17	20
DCB Decachlorobiphenyl	206	X	65 - 174				10/15/15 09:26	10/15/15 18:17	20

**Client Sample ID: CSW-64**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-11**

**Matrix: Solid**

**Percent Solids: 86.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.26	0.052	mg/Kg	☼	10/15/15 09:26	10/15/15 18:33	1
PCB-1221	ND		0.26	0.052	mg/Kg	☼	10/15/15 09:26	10/15/15 18:33	1
PCB-1232	ND		0.26	0.052	mg/Kg	☼	10/15/15 09:26	10/15/15 18:33	1
PCB-1242	ND		0.26	0.052	mg/Kg	☼	10/15/15 09:26	10/15/15 18:33	1
PCB-1248	0.78		0.26	0.052	mg/Kg	☼	10/15/15 09:26	10/15/15 18:33	1
PCB-1254	1.2		0.26	0.12	mg/Kg	☼	10/15/15 09:26	10/15/15 18:33	1
PCB-1260	0.61		0.26	0.12	mg/Kg	☼	10/15/15 09:26	10/15/15 18:33	1
PCB-1262	ND		0.26	0.12	mg/Kg	☼	10/15/15 09:26	10/15/15 18:33	1
PCB-1268	ND		0.26	0.12	mg/Kg	☼	10/15/15 09:26	10/15/15 18:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	104		60 - 154				10/15/15 09:26	10/15/15 18:33	1
Tetrachloro-m-xylene	110		60 - 154				10/15/15 09:26	10/15/15 18:33	1
DCB Decachlorobiphenyl	218	X	65 - 174				10/15/15 09:26	10/15/15 18:33	1
DCB Decachlorobiphenyl	284	X	65 - 174				10/15/15 09:26	10/15/15 18:33	1

**Client Sample ID: CSW-65**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-12**

**Matrix: Solid**

**Percent Solids: 83.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.30	0.058	mg/Kg	☼	10/15/15 09:26	10/15/15 18:48	1
PCB-1221	ND		0.30	0.058	mg/Kg	☼	10/15/15 09:26	10/15/15 18:48	1
PCB-1232	ND		0.30	0.058	mg/Kg	☼	10/15/15 09:26	10/15/15 18:48	1
PCB-1242	ND		0.30	0.058	mg/Kg	☼	10/15/15 09:26	10/15/15 18:48	1
PCB-1248	ND		0.30	0.058	mg/Kg	☼	10/15/15 09:26	10/15/15 18:48	1
PCB-1254	ND		0.30	0.14	mg/Kg	☼	10/15/15 09:26	10/15/15 18:48	1
PCB-1260	ND		0.30	0.14	mg/Kg	☼	10/15/15 09:26	10/15/15 18:48	1
PCB-1262	ND		0.30	0.14	mg/Kg	☼	10/15/15 09:26	10/15/15 18:48	1
PCB-1268	ND		0.30	0.14	mg/Kg	☼	10/15/15 09:26	10/15/15 18:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	104		60 - 154				10/15/15 09:26	10/15/15 18:48	1
Tetrachloro-m-xylene	108		60 - 154				10/15/15 09:26	10/15/15 18:48	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89114-1

## Client Sample ID: CSW-65

Date Collected: 10/14/15 00:00

Date Received: 10/14/15 18:00

## Lab Sample ID: 480-89114-12

Matrix: Solid

Percent Solids: 83.2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	99		65 - 174	10/15/15 09:26	10/15/15 18:48	1
DCB Decachlorobiphenyl	124		65 - 174	10/15/15 09:26	10/15/15 18:48	1

## Client Sample ID: CSW-66

Date Collected: 10/14/15 00:00

Date Received: 10/14/15 18:00

## Lab Sample ID: 480-89114-13

Matrix: Solid

Percent Solids: 89.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		1.1	0.21	mg/Kg	☼	10/15/15 09:26	10/15/15 19:04	5
PCB-1221	ND		1.1	0.21	mg/Kg	☼	10/15/15 09:26	10/15/15 19:04	5
PCB-1232	ND		1.1	0.21	mg/Kg	☼	10/15/15 09:26	10/15/15 19:04	5
PCB-1242	ND		1.1	0.21	mg/Kg	☼	10/15/15 09:26	10/15/15 19:04	5
PCB-1248	0.55	J	1.1	0.21	mg/Kg	☼	10/15/15 09:26	10/15/15 19:04	5
PCB-1254	0.94	J	1.1	0.50	mg/Kg	☼	10/15/15 09:26	10/15/15 19:04	5
PCB-1260	0.55	J	1.1	0.50	mg/Kg	☼	10/15/15 09:26	10/15/15 19:04	5
PCB-1262	ND		1.1	0.50	mg/Kg	☼	10/15/15 09:26	10/15/15 19:04	5
PCB-1268	ND		1.1	0.50	mg/Kg	☼	10/15/15 09:26	10/15/15 19:04	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	108		60 - 154				10/15/15 09:26	10/15/15 19:04	5
Tetrachloro-m-xylene	110		60 - 154				10/15/15 09:26	10/15/15 19:04	5
DCB Decachlorobiphenyl	146		65 - 174				10/15/15 09:26	10/15/15 19:04	5
DCB Decachlorobiphenyl	84		65 - 174				10/15/15 09:26	10/15/15 19:04	5

## Client Sample ID: CSW-67

Date Collected: 10/14/15 00:00

Date Received: 10/14/15 18:00

## Lab Sample ID: 480-89114-14

Matrix: Solid

Percent Solids: 76.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.29	0.058	mg/Kg	☼	10/15/15 09:26	10/15/15 19:20	1
PCB-1221	ND		0.29	0.058	mg/Kg	☼	10/15/15 09:26	10/15/15 19:20	1
PCB-1232	ND		0.29	0.058	mg/Kg	☼	10/15/15 09:26	10/15/15 19:20	1
PCB-1242	ND		0.29	0.058	mg/Kg	☼	10/15/15 09:26	10/15/15 19:20	1
PCB-1248	ND		0.29	0.058	mg/Kg	☼	10/15/15 09:26	10/15/15 19:20	1
PCB-1254	0.14	J	0.29	0.14	mg/Kg	☼	10/15/15 09:26	10/15/15 19:20	1
PCB-1260	ND		0.29	0.14	mg/Kg	☼	10/15/15 09:26	10/15/15 19:20	1
PCB-1262	ND		0.29	0.14	mg/Kg	☼	10/15/15 09:26	10/15/15 19:20	1
PCB-1268	ND		0.29	0.14	mg/Kg	☼	10/15/15 09:26	10/15/15 19:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	103		60 - 154				10/15/15 09:26	10/15/15 19:20	1
Tetrachloro-m-xylene	111		60 - 154				10/15/15 09:26	10/15/15 19:20	1
DCB Decachlorobiphenyl	93		65 - 174				10/15/15 09:26	10/15/15 19:20	1
DCB Decachlorobiphenyl	119		65 - 174				10/15/15 09:26	10/15/15 19:20	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89114-1

**Client Sample ID: CSW-68**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-15**

**Matrix: Solid**

**Percent Solids: 81.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.30	0.060	mg/Kg	☼	10/15/15 09:26	10/15/15 19:36	1
PCB-1221	ND		0.30	0.060	mg/Kg	☼	10/15/15 09:26	10/15/15 19:36	1
PCB-1232	ND		0.30	0.060	mg/Kg	☼	10/15/15 09:26	10/15/15 19:36	1
PCB-1242	ND		0.30	0.060	mg/Kg	☼	10/15/15 09:26	10/15/15 19:36	1
PCB-1248	1.4		0.30	0.060	mg/Kg	☼	10/15/15 09:26	10/15/15 19:36	1
PCB-1254	0.64		0.30	0.14	mg/Kg	☼	10/15/15 09:26	10/15/15 19:36	1
PCB-1260	ND		0.30	0.14	mg/Kg	☼	10/15/15 09:26	10/15/15 19:36	1
PCB-1262	ND		0.30	0.14	mg/Kg	☼	10/15/15 09:26	10/15/15 19:36	1
PCB-1268	ND		0.30	0.14	mg/Kg	☼	10/15/15 09:26	10/15/15 19:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	96		60 - 154				10/15/15 09:26	10/15/15 19:36	1
Tetrachloro-m-xylene	103		60 - 154				10/15/15 09:26	10/15/15 19:36	1
DCB Decachlorobiphenyl	84		65 - 174				10/15/15 09:26	10/15/15 19:36	1
DCB Decachlorobiphenyl	105		65 - 174				10/15/15 09:26	10/15/15 19:36	1

**Client Sample ID: CSW-69**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-16**

**Matrix: Solid**

**Percent Solids: 86.1**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.21	0.042	mg/Kg	☼	10/15/15 09:26	10/15/15 19:52	1
PCB-1221	ND		0.21	0.042	mg/Kg	☼	10/15/15 09:26	10/15/15 19:52	1
PCB-1232	ND		0.21	0.042	mg/Kg	☼	10/15/15 09:26	10/15/15 19:52	1
PCB-1242	ND		0.21	0.042	mg/Kg	☼	10/15/15 09:26	10/15/15 19:52	1
PCB-1248	ND		0.21	0.042	mg/Kg	☼	10/15/15 09:26	10/15/15 19:52	1
PCB-1254	ND		0.21	0.10	mg/Kg	☼	10/15/15 09:26	10/15/15 19:52	1
PCB-1260	ND		0.21	0.10	mg/Kg	☼	10/15/15 09:26	10/15/15 19:52	1
PCB-1262	ND		0.21	0.10	mg/Kg	☼	10/15/15 09:26	10/15/15 19:52	1
PCB-1268	ND		0.21	0.10	mg/Kg	☼	10/15/15 09:26	10/15/15 19:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	101		60 - 154				10/15/15 09:26	10/15/15 19:52	1
Tetrachloro-m-xylene	111		60 - 154				10/15/15 09:26	10/15/15 19:52	1
DCB Decachlorobiphenyl	94		65 - 174				10/15/15 09:26	10/15/15 19:52	1
DCB Decachlorobiphenyl	117		65 - 174				10/15/15 09:26	10/15/15 19:52	1

**Client Sample ID: CSW-70**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-17**

**Matrix: Solid**

**Percent Solids: 81.6**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.27	0.053	mg/Kg	☼	10/15/15 09:26	10/15/15 20:39	1
PCB-1221	ND		0.27	0.053	mg/Kg	☼	10/15/15 09:26	10/15/15 20:39	1
PCB-1232	ND		0.27	0.053	mg/Kg	☼	10/15/15 09:26	10/15/15 20:39	1
PCB-1242	ND		0.27	0.053	mg/Kg	☼	10/15/15 09:26	10/15/15 20:39	1
PCB-1248	0.72		0.27	0.053	mg/Kg	☼	10/15/15 09:26	10/15/15 20:39	1
PCB-1254	0.38		0.27	0.13	mg/Kg	☼	10/15/15 09:26	10/15/15 20:39	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89114-1

**Client Sample ID: CSW-70**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-17**

**Matrix: Solid**

**Percent Solids: 81.6**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1260	ND		0.27	0.13	mg/Kg	☼	10/15/15 09:26	10/15/15 20:39	1
PCB-1262	ND		0.27	0.13	mg/Kg	☼	10/15/15 09:26	10/15/15 20:39	1
PCB-1268	ND		0.27	0.13	mg/Kg	☼	10/15/15 09:26	10/15/15 20:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	100		60 - 154				10/15/15 09:26	10/15/15 20:39	1
Tetrachloro-m-xylene	105		60 - 154				10/15/15 09:26	10/15/15 20:39	1
DCB Decachlorobiphenyl	94		65 - 174				10/15/15 09:26	10/15/15 20:39	1
DCB Decachlorobiphenyl	119		65 - 174				10/15/15 09:26	10/15/15 20:39	1

# Surrogate Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89114-1

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TCX1 (60-154)	TCX2 (60-154)	DCB1 (65-174)	DCB2 (65-174)
480-89114-1	CSB-12-2	104	112	107	141
480-89114-1 MS	CSB-12-2	119	122	118	157
480-89114-1 MSD	CSB-12-2	117	124	118	156
480-89114-2	CSB-13-2	101	110	105	136
480-89114-3	CSB-14-2	94	100	99	160
480-89114-4	CSB-17	95	110	86	108
480-89114-5	CSB-15-2	107	112	123	159
480-89114-6	CSW-51-3B	93	99	84	106
480-89114-7	CSW-55-2	103	113	107	136
480-89114-8	CSW-61	88	96	164	75
480-89114-9	CSW-62	102	115	119	177 X
480-89114-10	CSW-63	98	111	173	206 X
480-89114-11	CSW-64	104	110	218 X	284 X
480-89114-12	CSW-65	104	108	99	124
480-89114-13	CSW-66	108	110	146	84
480-89114-14	CSW-67	103	111	93	119
480-89114-15	CSW-68	96	103	84	105
480-89114-16	CSW-69	101	111	94	117
480-89114-17	CSW-70	100	105	94	119
LCS 480-268942/2-A	Lab Control Sample	120	134	119	159
MB 480-268942/1-A	Method Blank	102	118	105	140

### Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89114-1

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

Lab Sample ID: MB 480-268942/1-A

Matrix: Solid

Analysis Batch: 268999

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 268942

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.23	0.045	mg/Kg		10/15/15 09:26	10/15/15 14:18	1
PCB-1221	ND		0.23	0.045	mg/Kg		10/15/15 09:26	10/15/15 14:18	1
PCB-1232	ND		0.23	0.045	mg/Kg		10/15/15 09:26	10/15/15 14:18	1
PCB-1242	ND		0.23	0.045	mg/Kg		10/15/15 09:26	10/15/15 14:18	1
PCB-1248	ND		0.23	0.045	mg/Kg		10/15/15 09:26	10/15/15 14:18	1
PCB-1254	ND		0.23	0.11	mg/Kg		10/15/15 09:26	10/15/15 14:18	1
PCB-1260	ND		0.23	0.11	mg/Kg		10/15/15 09:26	10/15/15 14:18	1
PCB-1262	ND		0.23	0.11	mg/Kg		10/15/15 09:26	10/15/15 14:18	1
PCB-1268	ND		0.23	0.11	mg/Kg		10/15/15 09:26	10/15/15 14:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	102		60 - 154	10/15/15 09:26	10/15/15 14:18	1
Tetrachloro-m-xylene	118		60 - 154	10/15/15 09:26	10/15/15 14:18	1
DCB Decachlorobiphenyl	105		65 - 174	10/15/15 09:26	10/15/15 14:18	1
DCB Decachlorobiphenyl	140		65 - 174	10/15/15 09:26	10/15/15 14:18	1

Lab Sample ID: LCS 480-268942/2-A

Matrix: Solid

Analysis Batch: 268999

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 268942

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
PCB-1016	1.92	2.15		mg/Kg		112	51 - 185
PCB-1260	1.92	2.35		mg/Kg		123	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	120		60 - 154
Tetrachloro-m-xylene	134		60 - 154
DCB Decachlorobiphenyl	119		65 - 174
DCB Decachlorobiphenyl	159		65 - 174

Lab Sample ID: 480-89114-1 MS

Matrix: Solid

Analysis Batch: 268999

Client Sample ID: CSB-12-2

Prep Type: Total/NA

Prep Batch: 268942

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
PCB-1016	ND		2.42	2.69		mg/Kg	☼	111	50 - 177
PCB-1260	ND		2.42	3.00		mg/Kg	☼	124	33 - 200

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene	119		60 - 154
Tetrachloro-m-xylene	122		60 - 154
DCB Decachlorobiphenyl	118		65 - 174
DCB Decachlorobiphenyl	157		65 - 174

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-89114-1

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

Lab Sample ID: 480-89114-1 MSD

Matrix: Solid

Analysis Batch: 268999

Client Sample ID: CSB-12-2

Prep Type: Total/NA

Prep Batch: 268942

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		2.65	2.91		mg/Kg	✱	110	50 - 177	8	50
PCB-1260	ND		2.65	3.24		mg/Kg	✱	122	33 - 200	8	50
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Tetrachloro-m-xylene	117		60 - 154								
Tetrachloro-m-xylene	124		60 - 154								
DCB Decachlorobiphenyl	118		65 - 174								
DCB Decachlorobiphenyl	156		65 - 174								

# QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89114-1

## GC Semi VOA

### Prep Batch: 268942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89114-1	CSB-12-2	Total/NA	Solid	3550C	
480-89114-1 MS	CSB-12-2	Total/NA	Solid	3550C	
480-89114-1 MSD	CSB-12-2	Total/NA	Solid	3550C	
480-89114-2	CSB-13-2	Total/NA	Solid	3550C	
480-89114-3	CSB-14-2	Total/NA	Solid	3550C	
480-89114-4	CSB-17	Total/NA	Solid	3550C	
480-89114-5	CSB-15-2	Total/NA	Solid	3550C	
480-89114-6	CSW-51-3B	Total/NA	Solid	3550C	
480-89114-7	CSW-55-2	Total/NA	Solid	3550C	
480-89114-8	CSW-61	Total/NA	Solid	3550C	
480-89114-9	CSW-62	Total/NA	Solid	3550C	
480-89114-10	CSW-63	Total/NA	Solid	3550C	
480-89114-11	CSW-64	Total/NA	Solid	3550C	
480-89114-12	CSW-65	Total/NA	Solid	3550C	
480-89114-13	CSW-66	Total/NA	Solid	3550C	
480-89114-14	CSW-67	Total/NA	Solid	3550C	
480-89114-15	CSW-68	Total/NA	Solid	3550C	
480-89114-16	CSW-69	Total/NA	Solid	3550C	
480-89114-17	CSW-70	Total/NA	Solid	3550C	
LCS 480-268942/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 480-268942/1-A	Method Blank	Total/NA	Solid	3550C	

### Analysis Batch: 268999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89114-1	CSB-12-2	Total/NA	Solid	8082A	268942
480-89114-1 MS	CSB-12-2	Total/NA	Solid	8082A	268942
480-89114-1 MSD	CSB-12-2	Total/NA	Solid	8082A	268942
480-89114-2	CSB-13-2	Total/NA	Solid	8082A	268942
480-89114-3	CSB-14-2	Total/NA	Solid	8082A	268942
480-89114-4	CSB-17	Total/NA	Solid	8082A	268942
480-89114-5	CSB-15-2	Total/NA	Solid	8082A	268942
480-89114-6	CSW-51-3B	Total/NA	Solid	8082A	268942
480-89114-7	CSW-55-2	Total/NA	Solid	8082A	268942
480-89114-8	CSW-61	Total/NA	Solid	8082A	268942
480-89114-9	CSW-62	Total/NA	Solid	8082A	268942
480-89114-10	CSW-63	Total/NA	Solid	8082A	268942
480-89114-11	CSW-64	Total/NA	Solid	8082A	268942
480-89114-12	CSW-65	Total/NA	Solid	8082A	268942
480-89114-13	CSW-66	Total/NA	Solid	8082A	268942
480-89114-14	CSW-67	Total/NA	Solid	8082A	268942
480-89114-15	CSW-68	Total/NA	Solid	8082A	268942
480-89114-16	CSW-69	Total/NA	Solid	8082A	268942
480-89114-17	CSW-70	Total/NA	Solid	8082A	268942
LCS 480-268942/2-A	Lab Control Sample	Total/NA	Solid	8082A	268942
MB 480-268942/1-A	Method Blank	Total/NA	Solid	8082A	268942

TestAmerica Buffalo



## QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-89114-1

### General Chemistry

#### Analysis Batch: 268855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89114-1	CSB-12-2	Total/NA	Solid	Moisture	
480-89114-2	CSB-13-2	Total/NA	Solid	Moisture	
480-89114-3	CSB-14-2	Total/NA	Solid	Moisture	
480-89114-4	CSB-17	Total/NA	Solid	Moisture	
480-89114-5	CSB-15-2	Total/NA	Solid	Moisture	
480-89114-6	CSW-51-3B	Total/NA	Solid	Moisture	
480-89114-7	CSW-55-2	Total/NA	Solid	Moisture	
480-89114-8	CSW-61	Total/NA	Solid	Moisture	
480-89114-9	CSW-62	Total/NA	Solid	Moisture	
480-89114-10	CSW-63	Total/NA	Solid	Moisture	
480-89114-11	CSW-64	Total/NA	Solid	Moisture	
480-89114-12	CSW-65	Total/NA	Solid	Moisture	
480-89114-13	CSW-66	Total/NA	Solid	Moisture	
480-89114-14	CSW-67	Total/NA	Solid	Moisture	
480-89114-15	CSW-68	Total/NA	Solid	Moisture	
480-89114-16	CSW-69	Total/NA	Solid	Moisture	
480-89114-17	CSW-70	Total/NA	Solid	Moisture	

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89114-1

**Client Sample ID: CSB-12-2**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-1**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	268855	10/14/15 22:10	CMK	TAL BUF

**Client Sample ID: CSB-12-2**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-1**

**Matrix: Solid**

**Percent Solids: 85.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			268942	10/15/15 09:26	TRG	TAL BUF
Total/NA	Analysis	8082A		1	268999	10/15/15 15:21	KS	TAL BUF

**Client Sample ID: CSB-13-2**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-2**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	268855	10/14/15 22:10	CMK	TAL BUF

**Client Sample ID: CSB-13-2**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-2**

**Matrix: Solid**

**Percent Solids: 85.6**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			268942	10/15/15 09:26	TRG	TAL BUF
Total/NA	Analysis	8082A		1	268999	10/15/15 15:37	KS	TAL BUF

**Client Sample ID: CSB-14-2**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-3**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	268855	10/14/15 22:10	CMK	TAL BUF

**Client Sample ID: CSB-14-2**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-3**

**Matrix: Solid**

**Percent Solids: 89.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			268942	10/15/15 09:26	TRG	TAL BUF
Total/NA	Analysis	8082A		1	268999	10/15/15 15:53	KS	TAL BUF

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89114-1

**Client Sample ID: CSB-17**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-4**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	268855	10/14/15 22:10	CMK	TAL BUF

**Client Sample ID: CSB-17**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-4**

**Matrix: Solid**

**Percent Solids: 83.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			268942	10/15/15 09:26	TRG	TAL BUF
Total/NA	Analysis	8082A		1	268999	10/15/15 16:09	KS	TAL BUF

**Client Sample ID: CSB-15-2**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-5**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	268855	10/14/15 22:10	CMK	TAL BUF

**Client Sample ID: CSB-15-2**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-5**

**Matrix: Solid**

**Percent Solids: 83.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			268942	10/15/15 09:26	TRG	TAL BUF
Total/NA	Analysis	8082A		5	268999	10/15/15 16:25	KS	TAL BUF

**Client Sample ID: CSW-51-3B**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-6**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	268855	10/14/15 22:10	CMK	TAL BUF

**Client Sample ID: CSW-51-3B**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-6**

**Matrix: Solid**

**Percent Solids: 83.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			268942	10/15/15 09:26	TRG	TAL BUF
Total/NA	Analysis	8082A		1	268999	10/15/15 16:41	KS	TAL BUF

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89114-1

**Client Sample ID: CSW-55-2**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-7**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	268855	10/14/15 22:10	CMK	TAL BUF

**Client Sample ID: CSW-55-2**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-7**

**Matrix: Solid**

**Percent Solids: 82.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			268942	10/15/15 09:26	TRG	TAL BUF
Total/NA	Analysis	8082A		1	268999	10/15/15 17:29	KS	TAL BUF

**Client Sample ID: CSW-61**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-8**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	268855	10/14/15 22:10	CMK	TAL BUF

**Client Sample ID: CSW-61**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-8**

**Matrix: Solid**

**Percent Solids: 85.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			268942	10/15/15 09:26	TRG	TAL BUF
Total/NA	Analysis	8082A		1	268999	10/15/15 17:45	KS	TAL BUF

**Client Sample ID: CSW-62**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-9**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	268855	10/14/15 22:10	CMK	TAL BUF

**Client Sample ID: CSW-62**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-9**

**Matrix: Solid**

**Percent Solids: 83.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			268942	10/15/15 09:26	TRG	TAL BUF
Total/NA	Analysis	8082A		20	268999	10/15/15 18:01	KS	TAL BUF

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89114-1

**Client Sample ID: CSW-63**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-10**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	268855	10/14/15 22:10	CMK	TAL BUF

**Client Sample ID: CSW-63**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-10**

**Matrix: Solid**

**Percent Solids: 78.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			268942	10/15/15 09:26	TRG	TAL BUF
Total/NA	Analysis	8082A		20	268999	10/15/15 18:17	KS	TAL BUF

**Client Sample ID: CSW-64**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-11**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	268855	10/14/15 22:10	CMK	TAL BUF

**Client Sample ID: CSW-64**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-11**

**Matrix: Solid**

**Percent Solids: 86.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			268942	10/15/15 09:26	TRG	TAL BUF
Total/NA	Analysis	8082A		1	268999	10/15/15 18:33	KS	TAL BUF

**Client Sample ID: CSW-65**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-12**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	268855	10/14/15 22:10	CMK	TAL BUF

**Client Sample ID: CSW-65**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-12**

**Matrix: Solid**

**Percent Solids: 83.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			268942	10/15/15 09:26	TRG	TAL BUF
Total/NA	Analysis	8082A		1	268999	10/15/15 18:48	KS	TAL BUF

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89114-1

**Client Sample ID: CSW-66**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-13**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	268855	10/14/15 22:10	CMK	TAL BUF

**Client Sample ID: CSW-66**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-13**

**Matrix: Solid**

**Percent Solids: 89.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			268942	10/15/15 09:26	TRG	TAL BUF
Total/NA	Analysis	8082A		5	268999	10/15/15 19:04	KS	TAL BUF

**Client Sample ID: CSW-67**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-14**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	268855	10/14/15 22:10	CMK	TAL BUF

**Client Sample ID: CSW-67**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-14**

**Matrix: Solid**

**Percent Solids: 76.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			268942	10/15/15 09:26	TRG	TAL BUF
Total/NA	Analysis	8082A		1	268999	10/15/15 19:20	KS	TAL BUF

**Client Sample ID: CSW-68**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-15**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	268855	10/14/15 22:10	CMK	TAL BUF

**Client Sample ID: CSW-68**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-15**

**Matrix: Solid**

**Percent Solids: 81.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			268942	10/15/15 09:26	TRG	TAL BUF
Total/NA	Analysis	8082A		1	268999	10/15/15 19:36	KS	TAL BUF

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-89114-1

**Client Sample ID: CSW-69**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-16**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	268855	10/14/15 22:10	CMK	TAL BUF

**Client Sample ID: CSW-69**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-16**

**Matrix: Solid**

**Percent Solids: 86.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			268942	10/15/15 09:26	TRG	TAL BUF
Total/NA	Analysis	8082A		1	268999	10/15/15 19:52	KS	TAL BUF

**Client Sample ID: CSW-70**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-17**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	268855	10/14/15 22:10	CMK	TAL BUF

**Client Sample ID: CSW-70**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89114-17**

**Matrix: Solid**

**Percent Solids: 81.6**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			268942	10/15/15 09:26	TRG	TAL BUF
Total/NA	Analysis	8082A		1	268999	10/15/15 20:39	KS	TAL BUF

## Laboratory References:

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

# Certification Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89114-1

## 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	03-31-16

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

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



## Method Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89114-1

Method	Method Description	Protocol	Laboratory
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	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

# Sample Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89114-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-89114-1	CSB-12-2	Solid	10/14/15 00:00	10/14/15 18:00
480-89114-2	CSB-13-2	Solid	10/14/15 00:00	10/14/15 18:00
480-89114-3	CSB-14-2	Solid	10/14/15 00:00	10/14/15 18:00
480-89114-4	CSB-17	Solid	10/14/15 00:00	10/14/15 18:00
480-89114-5	CSB-15-2	Solid	10/14/15 00:00	10/14/15 18:00
480-89114-6	CSW-51-3B	Solid	10/14/15 00:00	10/14/15 18:00
480-89114-7	CSW-55-2	Solid	10/14/15 00:00	10/14/15 18:00
480-89114-8	CSW-61	Solid	10/14/15 00:00	10/14/15 18:00
480-89114-9	CSW-62	Solid	10/14/15 00:00	10/14/15 18:00
480-89114-10	CSW-63	Solid	10/14/15 00:00	10/14/15 18:00
480-89114-11	CSW-64	Solid	10/14/15 00:00	10/14/15 18:00
480-89114-12	CSW-65	Solid	10/14/15 00:00	10/14/15 18:00
480-89114-13	CSW-66	Solid	10/14/15 00:00	10/14/15 18:00
480-89114-14	CSW-67	Solid	10/14/15 00:00	10/14/15 18:00
480-89114-15	CSW-68	Solid	10/14/15 00:00	10/14/15 18:00
480-89114-16	CSW-69	Solid	10/14/15 00:00	10/14/15 18:00
480-89114-17	CSW-70	Solid	10/14/15 00:00	10/14/15 18:00

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt \_\_\_\_\_

Drinking Water? Yes ☐ No ☒

## Chain of Custody Record

TAL-4124 (1007)

Client <b>Iyer Environmental Group</b>		Project Manager <b>Dharma Iyer</b>		Date <b>Oct 14, 2015</b>		Chain of Custody Number <b>264462</b>	
Address <b>44 Rolling Hills Dr</b>		Telephone Number (Area Code)/Fax Number <b>(716) 662-4157</b>		Lab Number		Page <b>1</b> of <b>2</b>	
City <b>Orchard Park</b>		State <b>NY</b>		Zip Code <b>14127</b>			
Project Name and Location (State) <b>132 Dingers St (NY)</b>		Site Contact <b>R. Allen</b>		Lab Contact <b>M. Deyo</b>			
Contract/Purchase Order/Quote No.		Carrier/Waybill Number					

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives					Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt	
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH			ZnAc/NaOH
CSB-12-2	10/14/15					✓				✓				Category B
CSB-13-2						✓				✓				
CSB-14-2						✓				✓				
CSB-17						✓				✓				
CSB-15-2						✓				✓				
CSW-51-3B						✓				✓				
CSW-55-2						✓				✓				
CSW-61						✓				✓				
CSW-62						✓				✓				
CSW-63						✓				✓				
CSW-64						✓				✓				
CSW-65						✓				✓				



480-88114 Chain of Custody

Possible Hazard Identification		Sample Disposal		QC Requirements (Specify)	
<input checked="" type="checkbox"/> Non-Hazard	<input type="checkbox"/> Flammable	<input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Poison B	<input type="checkbox"/> Unknown	
Turn Around Time Required		Disposal By Lab		Archive For	
<input type="checkbox"/> 24 Hours	<input type="checkbox"/> 48 Hours	<input checked="" type="checkbox"/> 7 Days	<input type="checkbox"/> 14 Days	<input type="checkbox"/> 21 Days	<input type="checkbox"/> Other

1. Relinquished By <b>Richard C Allen Jr</b>		Date <b>10/14/15</b>		Time <b>1800</b>	
2. Relinquished By		Date		Time	
3. Relinquished By		Date		Time	

Temp 13.6 #1 Notice

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy



## Login Sample Receipt Checklist

Client: Iyer Environmental Group, LLC

Job Number: 480-89114-1

**Login Number: 89114**

**List Number: 1**

**Creator: Kolb, Chris M**

**List Source: TestAmerica Buffalo**

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.	False	
Cooler Temperature is acceptable.	True	Yes: Received same day of collection
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.	False	Refer to job narrative for details
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.	False	Refer to job narrative for details
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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
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	IYER ENV.
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-89112-1

Client Project/Site: 132 Dingens

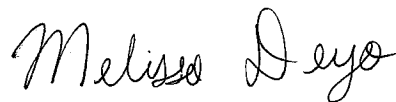
For:

Iyer Environmental Group, LLC

44 Rolling Hills Drive

Orchard Park, New York 14127

Attn: Dr. Dharmarajan R Iyer



Authorized for release by:

10/21/2015 8:46:52 AM

Melissa Deyo, Project Manager I

(716)504-9874

[melissa.deyo@testamericainc.com](mailto:melissa.deyo@testamericainc.com)

### LINKS

Review your project  
results through

**TotalAccess**

Have a Question?



Visit us at:

[www.testamericainc.com](http://www.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.*

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# Definitions/Glossary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89112-1

## Qualifiers

### 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.
*	LCS or LCSD is outside acceptance limits.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
X	Surrogate is outside control limits

### Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F2	MS/MSD RPD exceeds control limits
B	Compound was found in the blank and sample.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)



# Case Narrative

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89112-1

**Job ID: 480-89112-1**

**Laboratory: TestAmerica Buffalo**

## Narrative

### Job Narrative 480-89112-1

#### Receipt

The samples were received on 10/14/2015 6:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 13.6° C.

#### Receipt Exceptions

No times of collection were provided. Time of 00:00 was used for sample login.

#### GC/MS Semi VOA

Method(s) 8270D: The following samples were diluted due to color and, viscosity: TS-20 (480-89112-3), TS-20 (480-89112-3[MS]) and TS-20 (480-89112-3[MSD]). Elevated reporting limits (RL) are provided.

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-269161 recovered above the upper control limit for Benzaldehyde. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: TS-18 (480-89112-1), TS-19 (480-89112-2) and TS-21 (480-89112-4).

Method(s) 8270D: The laboratory control sample (LCS) for batch preparation batch 480-268902 and analytical batch 480-269161 recovered outside control limits for the following analytes: Benzaldehyde. This analyte was biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8270D: The following samples were diluted due to appearance and viscosity: TS-18 (480-89112-1), TS-19 (480-89112-2) and TS-21 (480-89112-4). Elevated reporting limits (RL) are provided.

Method(s) 8270D: The following samples were diluted due to the nature of the sample matrix : TS-20 (480-89112-3[MS]) and TS-20 (480-89112-3[MSD]). As such, surrogate and MS/MSD spike recoveries were diluted out and are not reported.

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

#### GC Semi VOA

Method(s) 8082A: All primary data is reported from the ZB-5 column.

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

#### Metals

Method(s) 6010C: The Serial Dilution (480-89112-B-1-B SD ^) in batch 480-268944 , exhibited results outside the quality control limits for Total Arsenic, Barium, Beryllium, Calcium, Cadmium, Chromium, Copper, Iron, Potassium, Magnesium, Manganese, Vanadium, and Zinc. However, the Post Digestion Spike was compliant so no corrective action was necessary.

Method(s) 6010C: The Serial Dilution and Post Spike (480-89112-B-1-B PDS) and (480-89112-B-1-B SD ^) exceeded the quality control limits for Total Aluminum. Sample matrix is suspected, therefore, no corrective action was necessary.

Method(s) 6010C: The Serial Dilution (480-89112-B-3-D SD ^) in batch 480-269194 , exhibited results outside the quality control limits for Total Barium. However, the Post Digestion Spike was compliant so no corrective action was necessary.

Method(s) 6010C: The recovery of Post Spike, (480-89112-B-3-D PDS), in batch 480-269194 exhibited results outside the quality control limits for Total Aluminum, Iron, Manganese, and Zinc. However, the Serial Dilution of this sample was compliant. Therefore, no corrective action was necessary.

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

#### Organic Prep

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

# Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-89112-1

Client Sample ID: TS-18

Lab Sample ID: 480-89112-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	920	J	2100	310	ug/Kg	10	✱	8270D	Total/NA
Acenaphthylene	280	J	2100	270	ug/Kg	10	✱	8270D	Total/NA
Anthracene	3000		2100	520	ug/Kg	10	✱	8270D	Total/NA
Benzo[a]anthracene	7700		2100	210	ug/Kg	10	✱	8270D	Total/NA
Benzo[a]pyrene	7000		2100	310	ug/Kg	10	✱	8270D	Total/NA
Benzo[b]fluoranthene	9400		2100	330	ug/Kg	10	✱	8270D	Total/NA
Benzo[g,h,i]perylene	5100		2100	220	ug/Kg	10	✱	8270D	Total/NA
Benzo[k]fluoranthene	5000		2100	270	ug/Kg	10	✱	8270D	Total/NA
Carbazole	1500	J	2100	250	ug/Kg	10	✱	8270D	Total/NA
Chrysene	8300		2100	470	ug/Kg	10	✱	8270D	Total/NA
Dibenzofuran	830	J	2100	250	ug/Kg	10	✱	8270D	Total/NA
Fluoranthene	19000		2100	220	ug/Kg	10	✱	8270D	Total/NA
Fluorene	1200	J	2100	250	ug/Kg	10	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	4400		2100	260	ug/Kg	10	✱	8270D	Total/NA
Phenanthrene	12000		2100	310	ug/Kg	10	✱	8270D	Total/NA
Pyrene	14000		2100	250	ug/Kg	10	✱	8270D	Total/NA
Aluminum	14000		12.5	5.5	mg/Kg	1	✱	6010C	Total/NA
Antimony	1.8	J F1	18.7	0.50	mg/Kg	1	✱	6010C	Total/NA
Arsenic	14.1		2.5	0.50	mg/Kg	1	✱	6010C	Total/NA
Barium	531	F2	0.62	0.14	mg/Kg	1	✱	6010C	Total/NA
Beryllium	1.5		0.25	0.035	mg/Kg	1	✱	6010C	Total/NA
Cadmium	3.2		0.25	0.037	mg/Kg	1	✱	6010C	Total/NA
Calcium	32500	B F2	62.4	4.1	mg/Kg	1	✱	6010C	Total/NA
Chromium	49.5		0.62	0.25	mg/Kg	1	✱	6010C	Total/NA
Cobalt	7.7		0.62	0.062	mg/Kg	1	✱	6010C	Total/NA
Copper	127	F1 F2	1.2	0.26	mg/Kg	1	✱	6010C	Total/NA
Iron	33500		12.5	4.4	mg/Kg	1	✱	6010C	Total/NA
Lead	1840		1.2	0.30	mg/Kg	1	✱	6010C	Total/NA
Magnesium	7610	F1	25.0	1.2	mg/Kg	1	✱	6010C	Total/NA
Manganese	793		0.25	0.040	mg/Kg	1	✱	6010C	Total/NA
Nickel	23.4		6.2	0.29	mg/Kg	1	✱	6010C	Total/NA
Potassium	1920	F1	37.4	25.0	mg/Kg	1	✱	6010C	Total/NA
Selenium	1.3	J	5.0	0.50	mg/Kg	1	✱	6010C	Total/NA
Silver	0.48	J	0.62	0.25	mg/Kg	1	✱	6010C	Total/NA
Sodium	382		175	16.2	mg/Kg	1	✱	6010C	Total/NA
Vanadium	27.0		0.62	0.14	mg/Kg	1	✱	6010C	Total/NA
Zinc	794	F2	2.5	0.80	mg/Kg	1	✱	6010C	Total/NA
Mercury	0.67		0.024	0.0099	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: TS-19

Lab Sample ID: 480-89112-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	700	J	2000	500	ug/Kg	10	✱	8270D	Total/NA
Benzo[a]anthracene	3700		2000	200	ug/Kg	10	✱	8270D	Total/NA
Benzo[a]pyrene	3400		2000	300	ug/Kg	10	✱	8270D	Total/NA
Benzo[b]fluoranthene	4800		2000	320	ug/Kg	10	✱	8270D	Total/NA
Benzo[g,h,i]perylene	3000		2000	220	ug/Kg	10	✱	8270D	Total/NA
Benzo[k]fluoranthene	2500		2000	260	ug/Kg	10	✱	8270D	Total/NA
Carbazole	470	J	2000	240	ug/Kg	10	✱	8270D	Total/NA
Chrysene	4100		2000	460	ug/Kg	10	✱	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

# Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-89112-1

## Client Sample ID: TS-19 (Continued)

## Lab Sample ID: 480-89112-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	7200		2000	220	ug/Kg	10	✱	8270D	Total/NA
Fluorene	290	J	2000	240	ug/Kg	10	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	2500		2000	250	ug/Kg	10	✱	8270D	Total/NA
Phenanthrene	3900		2000	300	ug/Kg	10	✱	8270D	Total/NA
Pyrene	6000		2000	240	ug/Kg	10	✱	8270D	Total/NA
Aluminum	13100		12.1	5.3	mg/Kg	1	✱	6010C	Total/NA
Antimony	2.6	J	18.1	0.48	mg/Kg	1	✱	6010C	Total/NA
Arsenic	13.9		2.4	0.48	mg/Kg	1	✱	6010C	Total/NA
Barium	264		0.60	0.13	mg/Kg	1	✱	6010C	Total/NA
Beryllium	1.2		0.24	0.034	mg/Kg	1	✱	6010C	Total/NA
Cadmium	2.1		0.24	0.036	mg/Kg	1	✱	6010C	Total/NA
Calcium	32400	B	60.4	4.0	mg/Kg	1	✱	6010C	Total/NA
Chromium	39.6		0.60	0.24	mg/Kg	1	✱	6010C	Total/NA
Cobalt	9.0		0.60	0.060	mg/Kg	1	✱	6010C	Total/NA
Copper	130		1.2	0.25	mg/Kg	1	✱	6010C	Total/NA
Iron	34900		12.1	4.2	mg/Kg	1	✱	6010C	Total/NA
Lead	956		1.2	0.29	mg/Kg	1	✱	6010C	Total/NA
Magnesium	8160		24.2	1.1	mg/Kg	1	✱	6010C	Total/NA
Manganese	632		0.24	0.039	mg/Kg	1	✱	6010C	Total/NA
Nickel	27.0		6.0	0.28	mg/Kg	1	✱	6010C	Total/NA
Potassium	2050		36.3	24.2	mg/Kg	1	✱	6010C	Total/NA
Selenium	0.89	J	4.8	0.48	mg/Kg	1	✱	6010C	Total/NA
Sodium	297		169	15.7	mg/Kg	1	✱	6010C	Total/NA
Vanadium	25.2		0.60	0.13	mg/Kg	1	✱	6010C	Total/NA
Zinc	601		2.4	0.77	mg/Kg	1	✱	6010C	Total/NA
Mercury	0.54		0.023	0.0094	mg/Kg	1	✱	7471B	Total/NA

## Client Sample ID: TS-20

## Lab Sample ID: 480-89112-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	510	J	2300	230	ug/Kg	10	✱	8270D	Total/NA
Benzo[a]pyrene	840	J	2300	330	ug/Kg	10	✱	8270D	Total/NA
Benzo[b]fluoranthene	1000	J	2300	360	ug/Kg	10	✱	8270D	Total/NA
Benzo[g,h,i]perylene	750	J	2300	240	ug/Kg	10	✱	8270D	Total/NA
Benzo[k]fluoranthene	300	J	2300	290	ug/Kg	10	✱	8270D	Total/NA
Chrysene	630	J	2300	510	ug/Kg	10	✱	8270D	Total/NA
Fluoranthene	1100	J	2300	240	ug/Kg	10	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	790	J	2300	280	ug/Kg	10	✱	8270D	Total/NA
Phenanthrene	430	J	2300	330	ug/Kg	10	✱	8270D	Total/NA
Pyrene	850	J	2300	270	ug/Kg	10	✱	8270D	Total/NA
Aluminum	19800		13.4	5.9	mg/Kg	1	✱	6010C	Total/NA
Arsenic	7.6		2.7	0.53	mg/Kg	1	✱	6010C	Total/NA
Barium	114	F1	0.67	0.15	mg/Kg	1	✱	6010C	Total/NA
Beryllium	0.78		0.27	0.037	mg/Kg	1	✱	6010C	Total/NA
Cadmium	0.88		0.27	0.040	mg/Kg	1	✱	6010C	Total/NA
Calcium	5820	B F1 F2	66.9	4.4	mg/Kg	1	✱	6010C	Total/NA
Chromium	42.2		0.67	0.27	mg/Kg	1	✱	6010C	Total/NA
Cobalt	9.1		0.67	0.067	mg/Kg	1	✱	6010C	Total/NA
Copper	36.5		1.3	0.28	mg/Kg	1	✱	6010C	Total/NA
Iron	24400		13.4	4.7	mg/Kg	1	✱	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

# Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-89112-1

## Client Sample ID: TS-20 (Continued)

## Lab Sample ID: 480-89112-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Lead	86.0		1.3	0.32	mg/Kg	1		✖	6010C	Total/NA
Magnesium	4270	F1	26.7	1.2	mg/Kg	1		✖	6010C	Total/NA
Manganese	455		0.27	0.043	mg/Kg	1		✖	6010C	Total/NA
Nickel	22.1		6.7	0.31	mg/Kg	1		✖	6010C	Total/NA
Potassium	2560	F1	40.1	26.7	mg/Kg	1		✖	6010C	Total/NA
Selenium	1.3	J	5.3	0.53	mg/Kg	1		✖	6010C	Total/NA
Sodium	134	J	187	17.4	mg/Kg	1		✖	6010C	Total/NA
Vanadium	37.4	F1	0.67	0.15	mg/Kg	1		✖	6010C	Total/NA
Zinc	179	F1	2.7	0.86	mg/Kg	1		✖	6010C	Total/NA
Mercury	0.16		0.026	0.010	mg/Kg	1		✖	7471B	Total/NA

## Client Sample ID: TS-21

## Lab Sample ID: 480-89112-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Acenaphthene	190	J	1100	170	ug/Kg	5		✖	8270D	Total/NA
Anthracene	330	J	1100	280	ug/Kg	5		✖	8270D	Total/NA
Benzo[a]anthracene	2400		1100	110	ug/Kg	5		✖	8270D	Total/NA
Benzo[a]pyrene	2400		1100	170	ug/Kg	5		✖	8270D	Total/NA
Benzo[b]fluoranthene	3900		1100	180	ug/Kg	5		✖	8270D	Total/NA
Benzo[g,h,i]perylene	2000		1100	120	ug/Kg	5		✖	8270D	Total/NA
Benzo[k]fluoranthene	1600		1100	150	ug/Kg	5		✖	8270D	Total/NA
Carbazole	340	J	1100	130	ug/Kg	5		✖	8270D	Total/NA
Chrysene	3100		1100	250	ug/Kg	5		✖	8270D	Total/NA
Fluoranthene	6000		1100	120	ug/Kg	5		✖	8270D	Total/NA
Fluorene	160	J	1100	130	ug/Kg	5		✖	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	1800		1100	140	ug/Kg	5		✖	8270D	Total/NA
Phenanthrene	2700		1100	170	ug/Kg	5		✖	8270D	Total/NA
Pyrene	4800		1100	130	ug/Kg	5		✖	8270D	Total/NA
Aluminum	16800		13.2	5.8	mg/Kg	1		✖	6010C	Total/NA
Arsenic	6.8		2.6	0.53	mg/Kg	1		✖	6010C	Total/NA
Barium	106		0.66	0.14	mg/Kg	1		✖	6010C	Total/NA
Beryllium	0.75		0.26	0.037	mg/Kg	1		✖	6010C	Total/NA
Cadmium	0.93		0.26	0.039	mg/Kg	1		✖	6010C	Total/NA
Calcium	6730	B	65.8	4.3	mg/Kg	1		✖	6010C	Total/NA
Chromium	42.7		0.66	0.26	mg/Kg	1		✖	6010C	Total/NA
Cobalt	9.3		0.66	0.066	mg/Kg	1		✖	6010C	Total/NA
Copper	36.7		1.3	0.28	mg/Kg	1		✖	6010C	Total/NA
Iron	23400		13.2	4.6	mg/Kg	1		✖	6010C	Total/NA
Lead	84.2		1.3	0.32	mg/Kg	1		✖	6010C	Total/NA
Magnesium	4700		26.3	1.2	mg/Kg	1		✖	6010C	Total/NA
Manganese	457		0.26	0.042	mg/Kg	1		✖	6010C	Total/NA
Nickel	22.1		6.6	0.30	mg/Kg	1		✖	6010C	Total/NA
Potassium	1860		39.5	26.3	mg/Kg	1		✖	6010C	Total/NA
Selenium	0.86	J	5.3	0.53	mg/Kg	1		✖	6010C	Total/NA
Silver	0.30	J	0.66	0.26	mg/Kg	1		✖	6010C	Total/NA
Sodium	114	J	184	17.1	mg/Kg	1		✖	6010C	Total/NA
Vanadium	32.9		0.66	0.14	mg/Kg	1		✖	6010C	Total/NA
Zinc	176		2.6	0.84	mg/Kg	1		✖	6010C	Total/NA
Mercury	0.19		0.026	0.011	mg/Kg	1		✖	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89112-1

**Client Sample ID: TS-18**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89112-1**

**Matrix: Solid**

**Percent Solids: 79.0**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		2100	310	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
bis (2-chloroisopropyl) ether	ND		2100	420	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
2,4,5-Trichlorophenol	ND		2100	570	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
2,4,6-Trichlorophenol	ND		2100	420	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
2,4-Dichlorophenol	ND		2100	220	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
2,4-Dimethylphenol	ND		2100	510	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
2,4-Dinitrophenol	ND		21000	9700	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
2,4-Dinitrotoluene	ND		2100	430	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
2,6-Dinitrotoluene	ND		2100	250	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
2-Chloronaphthalene	ND		2100	350	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
2-Chlorophenol	ND		2100	380	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
2-Methylphenol	ND		2100	250	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
2-Methylnaphthalene	ND		2100	420	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
2-Nitroaniline	ND		4100	310	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
2-Nitrophenol	ND		2100	590	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
3,3'-Dichlorobenzidine	ND		4100	2500	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
3-Nitroaniline	ND		4100	580	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
4,6-Dinitro-2-methylphenol	ND		4100	2100	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
4-Bromophenyl phenyl ether	ND		2100	300	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
4-Chloro-3-methylphenol	ND		2100	520	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
4-Chloroaniline	ND		2100	520	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
4-Chlorophenyl phenyl ether	ND		2100	260	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
4-Methylphenol	ND		4100	250	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
4-Nitroaniline	ND		4100	1100	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
4-Nitrophenol	ND		4100	1500	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
Acenaphthene	920	J	2100	310	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
Acenaphthylene	280	J	2100	270	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
Acetophenone	ND		2100	280	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
Anthracene	3000		2100	520	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
Atrazine	ND		2100	730	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
Benzaldehyde	ND	*	2100	1700	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
Benzo[a]anthracene	7700		2100	210	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
Benzo[a]pyrene	7000		2100	310	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
Benzo[b]fluoranthene	9400		2100	330	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
Benzo[g,h,i]perylene	5100		2100	220	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
Benzo[k]fluoranthene	5000		2100	270	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
Bis(2-chloroethoxy)methane	ND		2100	440	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
Bis(2-chloroethyl)ether	ND		2100	270	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
Bis(2-ethylhexyl) phthalate	ND		2100	720	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
Butyl benzyl phthalate	ND		2100	350	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
Caprolactam	ND		2100	630	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
Carbazole	1500	J	2100	250	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
Chrysene	8300		2100	470	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
Dibenz(a,h)anthracene	ND		2100	370	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
Di-n-butyl phthalate	ND		2100	360	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
Di-n-octyl phthalate	ND		2100	250	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
Dibenzofuran	830	J	2100	250	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
Diethyl phthalate	ND		2100	270	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
Dimethyl phthalate	ND		2100	250	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89112-1

**Client Sample ID: TS-18**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89112-1**

**Matrix: Solid**

**Percent Solids: 79.0**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	19000		2100	220	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
Fluorene	1200	J	2100	250	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
Hexachlorobenzene	ND		2100	280	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
Hexachlorobutadiene	ND		2100	310	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
Hexachlorocyclopentadiene	ND		2100	280	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
Hexachloroethane	ND		2100	270	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
Indeno[1,2,3-cd]pyrene	4400		2100	260	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
Isophorone	ND		2100	440	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
N-Nitrosodi-n-propylamine	ND		2100	360	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
N-Nitrosodiphenylamine	ND		2100	1700	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
Naphthalene	ND		2100	270	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
Nitrobenzene	ND		2100	230	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
Pentachlorophenol	ND		4100	2100	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
Phenanthrene	12000		2100	310	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
Phenol	ND		2100	320	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10
Pyrene	14000		2100	250	ug/Kg	☼	10/15/15 07:51	10/16/15 14:11	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	78		34 - 132	10/15/15 07:51	10/16/15 14:11	10
Phenol-d5 (Surr)	85		11 - 120	10/15/15 07:51	10/16/15 14:11	10
p-Terphenyl-d14 (Surr)	89		65 - 153	10/15/15 07:51	10/16/15 14:11	10
2,4,6-Tribromophenol (Surr)	111		39 - 146	10/15/15 07:51	10/16/15 14:11	10
2-Fluorobiphenyl	78		37 - 120	10/15/15 07:51	10/16/15 14:11	10
2-Fluorophenol (Surr)	74		18 - 120	10/15/15 07:51	10/16/15 14:11	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.048	mg/Kg	☼	10/15/15 09:30	10/15/15 22:30	1
PCB-1221	ND		0.25	0.048	mg/Kg	☼	10/15/15 09:30	10/15/15 22:30	1
PCB-1232	ND		0.25	0.048	mg/Kg	☼	10/15/15 09:30	10/15/15 22:30	1
PCB-1242	ND		0.25	0.048	mg/Kg	☼	10/15/15 09:30	10/15/15 22:30	1
PCB-1248	ND		0.25	0.048	mg/Kg	☼	10/15/15 09:30	10/15/15 22:30	1
PCB-1254	ND		0.25	0.11	mg/Kg	☼	10/15/15 09:30	10/15/15 22:30	1
PCB-1260	ND		0.25	0.11	mg/Kg	☼	10/15/15 09:30	10/15/15 22:30	1
PCB-1262	ND		0.25	0.11	mg/Kg	☼	10/15/15 09:30	10/15/15 22:30	1
PCB-1268	ND		0.25	0.11	mg/Kg	☼	10/15/15 09:30	10/15/15 22:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	93		60 - 154	10/15/15 09:30	10/15/15 22:30	1
Tetrachloro-m-xylene	97		60 - 154	10/15/15 09:30	10/15/15 22:30	1
DCB Decachlorobiphenyl	81		65 - 174	10/15/15 09:30	10/15/15 22:30	1
DCB Decachlorobiphenyl	101		65 - 174	10/15/15 09:30	10/15/15 22:30	1

## Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	14000		12.5	5.5	mg/Kg	☼	10/15/15 11:40	10/16/15 03:40	1
Antimony	1.8	J F1	18.7	0.50	mg/Kg	☼	10/15/15 11:40	10/16/15 03:40	1
Arsenic	14.1		2.5	0.50	mg/Kg	☼	10/15/15 11:40	10/16/15 03:40	1
Barium	531	F2	0.62	0.14	mg/Kg	☼	10/15/15 11:40	10/16/15 03:40	1
Beryllium	1.5		0.25	0.035	mg/Kg	☼	10/15/15 11:40	10/16/15 03:40	1

TestAmerica Buffalo



# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89112-1

**Client Sample ID: TS-18**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89112-1**

**Matrix: Solid**

**Percent Solids: 79.0**

## Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	3.2		0.25	0.037	mg/Kg	☼	10/15/15 11:40	10/16/15 03:40	1
Calcium	32500	B F2	62.4	4.1	mg/Kg	☼	10/15/15 11:40	10/16/15 03:40	1
Chromium	49.5		0.62	0.25	mg/Kg	☼	10/15/15 11:40	10/16/15 03:40	1
Cobalt	7.7		0.62	0.062	mg/Kg	☼	10/15/15 11:40	10/16/15 03:40	1
Copper	127	F1 F2	1.2	0.26	mg/Kg	☼	10/15/15 11:40	10/16/15 03:40	1
Iron	33500		12.5	4.4	mg/Kg	☼	10/15/15 11:40	10/16/15 03:40	1
Lead	1840		1.2	0.30	mg/Kg	☼	10/15/15 11:40	10/16/15 03:40	1
Magnesium	7610	F1	25.0	1.2	mg/Kg	☼	10/15/15 11:40	10/16/15 03:40	1
Manganese	793		0.25	0.040	mg/Kg	☼	10/15/15 11:40	10/16/15 03:40	1
Nickel	23.4		6.2	0.29	mg/Kg	☼	10/15/15 11:40	10/16/15 03:40	1
Potassium	1920	F1	37.4	25.0	mg/Kg	☼	10/15/15 11:40	10/16/15 03:40	1
Selenium	1.3	J	5.0	0.50	mg/Kg	☼	10/15/15 11:40	10/16/15 03:40	1
Silver	0.48	J	0.62	0.25	mg/Kg	☼	10/15/15 11:40	10/16/15 03:40	1
Sodium	382		175	16.2	mg/Kg	☼	10/15/15 11:40	10/16/15 03:40	1
Thallium	ND		7.5	0.37	mg/Kg	☼	10/15/15 11:40	10/16/15 03:40	1
Vanadium	27.0		0.62	0.14	mg/Kg	☼	10/15/15 11:40	10/16/15 03:40	1
Zinc	794	F2	2.5	0.80	mg/Kg	☼	10/15/15 11:40	10/16/15 03:40	1

## Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.67		0.024	0.0099	mg/Kg	☼	10/15/15 13:20	10/15/15 15:41	1

**Client Sample ID: TS-19**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89112-2**

**Matrix: Solid**

**Percent Solids: 82.6**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		2000	300	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
bis (2-chloroisopropyl) ether	ND		2000	410	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
2,4,5-Trichlorophenol	ND		2000	550	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
2,4,6-Trichlorophenol	ND		2000	410	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
2,4-Dichlorophenol	ND		2000	220	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
2,4-Dimethylphenol	ND		2000	490	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
2,4-Dinitrophenol	ND		20000	9400	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
2,4-Dinitrotoluene	ND		2000	420	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
2,6-Dinitrotoluene	ND		2000	240	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
2-Chloronaphthalene	ND		2000	340	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
2-Chlorophenol	ND		2000	370	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
2-Methylphenol	ND		2000	240	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
2-Methylnaphthalene	ND		2000	410	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
2-Nitroaniline	ND		4000	300	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
2-Nitrophenol	ND		2000	580	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
3,3'-Dichlorobenzidine	ND		4000	2400	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
3-Nitroaniline	ND		4000	570	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
4,6-Dinitro-2-methylphenol	ND		4000	2000	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
4-Bromophenyl phenyl ether	ND		2000	290	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
4-Chloro-3-methylphenol	ND		2000	500	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
4-Chloroaniline	ND		2000	500	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
4-Chlorophenyl phenyl ether	ND		2000	250	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89112-1

**Client Sample ID: TS-19**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89112-2**

**Matrix: Solid**

**Percent Solids: 82.6**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methylphenol	ND		4000	240	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
4-Nitroaniline	ND		4000	1100	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
4-Nitrophenol	ND		4000	1400	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
Acenaphthene	ND		2000	300	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
Acenaphthylene	ND		2000	260	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
Acetophenone	ND		2000	280	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
<b>Anthracene</b>	<b>700</b>	<b>J</b>	2000	500	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
Atrazine	ND		2000	710	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
Benzaldehyde	ND	*	2000	1600	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
<b>Benzo[a]anthracene</b>	<b>3700</b>		2000	200	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
<b>Benzo[a]pyrene</b>	<b>3400</b>		2000	300	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
<b>Benzo[b]fluoranthene</b>	<b>4800</b>		2000	320	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
<b>Benzo[g,h,i]perylene</b>	<b>3000</b>		2000	220	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
<b>Benzo[k]fluoranthene</b>	<b>2500</b>		2000	260	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
Bis(2-chloroethoxy)methane	ND		2000	430	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
Bis(2-chloroethyl)ether	ND		2000	260	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
Bis(2-ethylhexyl) phthalate	ND		2000	700	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
Butyl benzyl phthalate	ND		2000	340	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
Caprolactam	ND		2000	610	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
<b>Carbazole</b>	<b>470</b>	<b>J</b>	2000	240	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
<b>Chrysene</b>	<b>4100</b>		2000	460	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
Dibenz(a,h)anthracene	ND		2000	360	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
Di-n-butyl phthalate	ND		2000	350	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
Di-n-octyl phthalate	ND		2000	240	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
Dibenzofuran	ND		2000	240	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
Diethyl phthalate	ND		2000	260	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
Dimethyl phthalate	ND		2000	240	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
<b>Fluoranthene</b>	<b>7200</b>		2000	220	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
<b>Fluorene</b>	<b>290</b>	<b>J</b>	2000	240	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
Hexachlorobenzene	ND		2000	280	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
Hexachlorobutadiene	ND		2000	300	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
Hexachlorocyclopentadiene	ND		2000	280	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
Hexachloroethane	ND		2000	260	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
<b>Indeno[1,2,3-cd]pyrene</b>	<b>2500</b>		2000	250	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
Isophorone	ND		2000	430	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
N-Nitrosodi-n-propylamine	ND		2000	350	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
N-Nitrosodiphenylamine	ND		2000	1700	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
Naphthalene	ND		2000	260	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
Nitrobenzene	ND		2000	230	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
Pentachlorophenol	ND		4000	2000	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
<b>Phenanthrene</b>	<b>3900</b>		2000	300	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
Phenol	ND		2000	310	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10
<b>Pyrene</b>	<b>6000</b>		2000	240	ug/Kg	☼	10/15/15 07:51	10/16/15 14:38	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	80		34 - 132	10/15/15 07:51	10/16/15 14:38	10
Phenol-d5 (Surr)	82		11 - 120	10/15/15 07:51	10/16/15 14:38	10
p-Terphenyl-d14 (Surr)	84		65 - 153	10/15/15 07:51	10/16/15 14:38	10
2,4,6-Tribromophenol (Surr)	101		39 - 146	10/15/15 07:51	10/16/15 14:38	10
2-Fluorobiphenyl	95		37 - 120	10/15/15 07:51	10/16/15 14:38	10

TestAmerica Buffalo



# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89112-1

**Client Sample ID: TS-19**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89112-2**

**Matrix: Solid**

**Percent Solids: 82.6**

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	89		18 - 120	10/15/15 07:51	10/16/15 14:38	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.28	0.055	mg/Kg	☼	10/15/15 09:30	10/15/15 22:46	1
PCB-1221	ND		0.28	0.055	mg/Kg	☼	10/15/15 09:30	10/15/15 22:46	1
PCB-1232	ND		0.28	0.055	mg/Kg	☼	10/15/15 09:30	10/15/15 22:46	1
PCB-1242	ND		0.28	0.055	mg/Kg	☼	10/15/15 09:30	10/15/15 22:46	1
PCB-1248	ND		0.28	0.055	mg/Kg	☼	10/15/15 09:30	10/15/15 22:46	1
PCB-1254	ND		0.28	0.13	mg/Kg	☼	10/15/15 09:30	10/15/15 22:46	1
PCB-1260	ND		0.28	0.13	mg/Kg	☼	10/15/15 09:30	10/15/15 22:46	1
PCB-1262	ND		0.28	0.13	mg/Kg	☼	10/15/15 09:30	10/15/15 22:46	1
PCB-1268	ND		0.28	0.13	mg/Kg	☼	10/15/15 09:30	10/15/15 22:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	99		60 - 154	10/15/15 09:30	10/15/15 22:46	1
Tetrachloro-m-xylene	112		60 - 154	10/15/15 09:30	10/15/15 22:46	1
DCB Decachlorobiphenyl	92		65 - 174	10/15/15 09:30	10/15/15 22:46	1
DCB Decachlorobiphenyl	118		65 - 174	10/15/15 09:30	10/15/15 22:46	1

## Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13100		12.1	5.3	mg/Kg	☼	10/15/15 11:40	10/16/15 03:57	1
Antimony	2.6	J	18.1	0.48	mg/Kg	☼	10/15/15 11:40	10/16/15 03:57	1
Arsenic	13.9		2.4	0.48	mg/Kg	☼	10/15/15 11:40	10/16/15 03:57	1
Barium	264		0.60	0.13	mg/Kg	☼	10/15/15 11:40	10/16/15 03:57	1
Beryllium	1.2		0.24	0.034	mg/Kg	☼	10/15/15 11:40	10/16/15 03:57	1
Cadmium	2.1		0.24	0.036	mg/Kg	☼	10/15/15 11:40	10/16/15 03:57	1
Calcium	32400	B	60.4	4.0	mg/Kg	☼	10/15/15 11:40	10/16/15 03:57	1
Chromium	39.6		0.60	0.24	mg/Kg	☼	10/15/15 11:40	10/16/15 03:57	1
Cobalt	9.0		0.60	0.060	mg/Kg	☼	10/15/15 11:40	10/16/15 03:57	1
Copper	130		1.2	0.25	mg/Kg	☼	10/15/15 11:40	10/16/15 03:57	1
Iron	34900		12.1	4.2	mg/Kg	☼	10/15/15 11:40	10/16/15 03:57	1
Lead	956		1.2	0.29	mg/Kg	☼	10/15/15 11:40	10/16/15 03:57	1
Magnesium	8160		24.2	1.1	mg/Kg	☼	10/15/15 11:40	10/16/15 03:57	1
Manganese	632		0.24	0.039	mg/Kg	☼	10/15/15 11:40	10/16/15 03:57	1
Nickel	27.0		6.0	0.28	mg/Kg	☼	10/15/15 11:40	10/16/15 03:57	1
Potassium	2050		36.3	24.2	mg/Kg	☼	10/15/15 11:40	10/16/15 03:57	1
Selenium	0.89	J	4.8	0.48	mg/Kg	☼	10/15/15 11:40	10/16/15 03:57	1
Silver	ND		0.60	0.24	mg/Kg	☼	10/15/15 11:40	10/16/15 03:57	1
Sodium	297		169	15.7	mg/Kg	☼	10/15/15 11:40	10/16/15 03:57	1
Thallium	ND		7.3	0.36	mg/Kg	☼	10/15/15 11:40	10/16/15 03:57	1
Vanadium	25.2		0.60	0.13	mg/Kg	☼	10/15/15 11:40	10/16/15 03:57	1
Zinc	601		2.4	0.77	mg/Kg	☼	10/15/15 11:40	10/16/15 03:57	1

## Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.54		0.023	0.0094	mg/Kg	☼	10/15/15 13:20	10/15/15 15:43	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89112-1

**Client Sample ID: TS-20**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89112-3**

**Matrix: Solid**

**Percent Solids: 74.8**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		2300	330	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
bis (2-chloroisopropyl) ether	ND		2300	450	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
2,4,5-Trichlorophenol	ND		2300	610	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
2,4,6-Trichlorophenol	ND	F1	2300	450	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
2,4-Dichlorophenol	ND		2300	240	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
2,4-Dimethylphenol	ND		2300	550	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
2,4-Dinitrophenol	ND		22000	10000	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
2,4-Dinitrotoluene	ND	F1	2300	470	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
2,6-Dinitrotoluene	ND		2300	270	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
2-Chloronaphthalene	ND		2300	370	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
2-Chlorophenol	ND		2300	410	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
2-Methylphenol	ND		2300	270	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
2-Methylnaphthalene	ND		2300	450	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
2-Nitroaniline	ND	F1	4400	330	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
2-Nitrophenol	ND	F1	2300	640	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
3,3'-Dichlorobenzidine	ND	F1	4400	2700	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
3-Nitroaniline	ND		4400	630	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
4,6-Dinitro-2-methylphenol	ND		4400	2300	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
4-Bromophenyl phenyl ether	ND	F2	2300	320	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
4-Chloro-3-methylphenol	ND		2300	560	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
4-Chloroaniline	ND		2300	560	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
4-Chlorophenyl phenyl ether	ND		2300	280	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
4-Methylphenol	ND		4400	270	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
4-Nitroaniline	ND		4400	1200	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
4-Nitrophenol	ND		4400	1600	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
Acenaphthene	ND		2300	330	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
Acenaphthylene	ND		2300	290	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
Acetophenone	ND		2300	310	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
Anthracene	ND		2300	560	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
Atrazine	ND		2300	790	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
Benzaldehyde	ND	F1	2300	1800	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
<b>Benzo[a]anthracene</b>	<b>510</b>	<b>J</b>	2300	230	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
<b>Benzo[a]pyrene</b>	<b>840</b>	<b>J</b>	2300	330	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
<b>Benzo[b]fluoranthene</b>	<b>1000</b>	<b>J</b>	2300	360	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
<b>Benzo[g,h,i]perylene</b>	<b>750</b>	<b>J</b>	2300	240	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
<b>Benzo[k]fluoranthene</b>	<b>300</b>	<b>J</b>	2300	290	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
Bis(2-chloroethoxy)methane	ND		2300	480	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
Bis(2-chloroethyl)ether	ND		2300	290	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
Bis(2-ethylhexyl) phthalate	ND	F1	2300	770	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
Butyl benzyl phthalate	ND	F1	2300	370	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
Caprolactam	ND		2300	680	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
Carbazole	ND		2300	270	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
<b>Chrysene</b>	<b>630</b>	<b>J</b>	2300	510	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
Dibenz(a,h)anthracene	ND		2300	400	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
Di-n-butyl phthalate	ND	F1	2300	390	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
Di-n-octyl phthalate	ND	F1	2300	270	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
Dibenzofuran	ND		2300	270	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
Diethyl phthalate	ND		2300	290	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
Dimethyl phthalate	ND		2300	270	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89112-1

**Client Sample ID: TS-20**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89112-3**

**Matrix: Solid**

**Percent Solids: 74.8**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	1100	J	2300	240	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
Fluorene	ND		2300	270	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
Hexachlorobenzene	ND		2300	310	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
Hexachlorobutadiene	ND		2300	330	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
Hexachlorocyclopentadiene	ND		2300	310	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
Hexachloroethane	ND		2300	290	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
Indeno[1,2,3-cd]pyrene	790	J	2300	280	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
Isophorone	ND		2300	480	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
N-Nitrosodi-n-propylamine	ND		2300	390	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
N-Nitrosodiphenylamine	ND		2300	1800	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
Naphthalene	ND		2300	290	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
Nitrobenzene	ND		2300	250	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
Pentachlorophenol	ND		4400	2300	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
Phenanthrene	430	J	2300	330	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
Phenol	ND		2300	350	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10
Pyrene	850	J	2300	270	ug/Kg	☼	10/16/15 08:10	10/19/15 16:54	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	72		34 - 132	10/16/15 08:10	10/19/15 16:54	10
Phenol-d5 (Surr)	88		11 - 120	10/16/15 08:10	10/19/15 16:54	10
p-Terphenyl-d14 (Surr)	96		65 - 153	10/16/15 08:10	10/19/15 16:54	10
2,4,6-Tribromophenol (Surr)	119		39 - 146	10/16/15 08:10	10/19/15 16:54	10
2-Fluorobiphenyl	90		37 - 120	10/16/15 08:10	10/19/15 16:54	10
2-Fluorophenol (Surr)	85		18 - 120	10/16/15 08:10	10/19/15 16:54	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.32	0.063	mg/Kg	☼	10/16/15 08:13	10/16/15 13:17	1
PCB-1221	ND		0.32	0.063	mg/Kg	☼	10/16/15 08:13	10/16/15 13:17	1
PCB-1232	ND		0.32	0.063	mg/Kg	☼	10/16/15 08:13	10/16/15 13:17	1
PCB-1242	ND		0.32	0.063	mg/Kg	☼	10/16/15 08:13	10/16/15 13:17	1
PCB-1248	ND		0.32	0.063	mg/Kg	☼	10/16/15 08:13	10/16/15 13:17	1
PCB-1254	ND		0.32	0.15	mg/Kg	☼	10/16/15 08:13	10/16/15 13:17	1
PCB-1260	ND		0.32	0.15	mg/Kg	☼	10/16/15 08:13	10/16/15 13:17	1
PCB-1262	ND		0.32	0.15	mg/Kg	☼	10/16/15 08:13	10/16/15 13:17	1
PCB-1268	ND		0.32	0.15	mg/Kg	☼	10/16/15 08:13	10/16/15 13:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	95		60 - 154	10/16/15 08:13	10/16/15 13:17	1
Tetrachloro-m-xylene	103		60 - 154	10/16/15 08:13	10/16/15 13:17	1
DCB Decachlorobiphenyl	91		65 - 174	10/16/15 08:13	10/16/15 13:17	1
DCB Decachlorobiphenyl	121		65 - 174	10/16/15 08:13	10/16/15 13:17	1

## Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	19800		13.4	5.9	mg/Kg	☼	10/16/15 10:50	10/16/15 21:49	1
Antimony	ND	F1	20.1	0.53	mg/Kg	☼	10/16/15 10:50	10/16/15 21:49	1
Arsenic	7.6		2.7	0.53	mg/Kg	☼	10/16/15 10:50	10/16/15 21:49	1
Barium	114	F1	0.67	0.15	mg/Kg	☼	10/16/15 10:50	10/16/15 21:49	1
Beryllium	0.78		0.27	0.037	mg/Kg	☼	10/16/15 10:50	10/16/15 21:49	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89112-1

**Client Sample ID: TS-20**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89112-3**

**Matrix: Solid**

**Percent Solids: 74.8**

## Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.88		0.27	0.040	mg/Kg	☼	10/16/15 10:50	10/16/15 21:49	1
Calcium	5820	B F1 F2	66.9	4.4	mg/Kg	☼	10/16/15 10:50	10/16/15 21:49	1
Chromium	42.2		0.67	0.27	mg/Kg	☼	10/16/15 10:50	10/16/15 21:49	1
Cobalt	9.1		0.67	0.067	mg/Kg	☼	10/16/15 10:50	10/16/15 21:49	1
Copper	36.5		1.3	0.28	mg/Kg	☼	10/16/15 10:50	10/16/15 21:49	1
Iron	24400		13.4	4.7	mg/Kg	☼	10/16/15 10:50	10/16/15 21:49	1
Lead	86.0		1.3	0.32	mg/Kg	☼	10/16/15 10:50	10/16/15 21:49	1
Magnesium	4270	F1	26.7	1.2	mg/Kg	☼	10/16/15 10:50	10/16/15 21:49	1
Manganese	455		0.27	0.043	mg/Kg	☼	10/16/15 10:50	10/16/15 21:49	1
Nickel	22.1		6.7	0.31	mg/Kg	☼	10/16/15 10:50	10/16/15 21:49	1
Potassium	2560	F1	40.1	26.7	mg/Kg	☼	10/16/15 10:50	10/16/15 21:49	1
Selenium	1.3	J	5.3	0.53	mg/Kg	☼	10/16/15 10:50	10/16/15 21:49	1
Silver	ND		0.67	0.27	mg/Kg	☼	10/16/15 10:50	10/16/15 21:49	1
Sodium	134	J	187	17.4	mg/Kg	☼	10/16/15 10:50	10/16/15 21:49	1
Thallium	ND		8.0	0.40	mg/Kg	☼	10/16/15 10:50	10/16/15 21:49	1
Vanadium	37.4	F1	0.67	0.15	mg/Kg	☼	10/16/15 10:50	10/16/15 21:49	1
Zinc	179	F1	2.7	0.86	mg/Kg	☼	10/16/15 10:50	10/16/15 21:49	1

## Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.16		0.026	0.010	mg/Kg	☼	10/16/15 11:15	10/16/15 13:32	1

**Client Sample ID: TS-21**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89112-4**

**Matrix: Solid**

**Percent Solids: 74.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		1100	170	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
bis (2-chloroisopropyl) ether	ND		1100	230	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
2,4,5-Trichlorophenol	ND		1100	310	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
2,4,6-Trichlorophenol	ND		1100	230	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
2,4-Dichlorophenol	ND		1100	120	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
2,4-Dimethylphenol	ND		1100	270	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
2,4-Dinitrophenol	ND		11000	5200	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
2,4-Dinitrotoluene	ND		1100	230	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
2,6-Dinitrotoluene	ND		1100	130	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
2-Chloronaphthalene	ND		1100	190	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
2-Chlorophenol	ND		1100	210	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
2-Methylphenol	ND		1100	130	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
2-Methylnaphthalene	ND		1100	230	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
2-Nitroaniline	ND		2200	170	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
2-Nitrophenol	ND		1100	320	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
3,3'-Dichlorobenzidine	ND		2200	1300	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
3-Nitroaniline	ND		2200	310	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
4,6-Dinitro-2-methylphenol	ND		2200	1100	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
4-Bromophenyl phenyl ether	ND		1100	160	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
4-Chloro-3-methylphenol	ND		1100	280	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
4-Chloroaniline	ND		1100	280	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
4-Chlorophenyl phenyl ether	ND		1100	140	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89112-1

**Client Sample ID: TS-21**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89112-4**

**Matrix: Solid**

**Percent Solids: 74.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methylphenol	ND		2200	130	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
4-Nitroaniline	ND		2200	590	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
4-Nitrophenol	ND		2200	790	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
Acenaphthene	190	J	1100	170	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
Acenaphthylene	ND		1100	150	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
Acetophenone	ND		1100	150	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
Anthracene	330	J	1100	280	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
Atrazine	ND		1100	390	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
Benzaldehyde	ND	*	1100	900	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
Benzo[a]anthracene	2400		1100	110	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
Benzo[a]pyrene	2400		1100	170	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
Benzo[b]fluoranthene	3900		1100	180	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
Benzo[g,h,i]perylene	2000		1100	120	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
Benzo[k]fluoranthene	1600		1100	150	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
Bis(2-chloroethoxy)methane	ND		1100	240	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
Bis(2-chloroethyl)ether	ND		1100	150	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
Bis(2-ethylhexyl) phthalate	ND		1100	390	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
Butyl benzyl phthalate	ND		1100	190	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
Caprolactam	ND		1100	340	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
Carbazole	340	J	1100	130	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
Chrysene	3100		1100	250	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
Dibenz(a,h)anthracene	ND		1100	200	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
Di-n-butyl phthalate	ND		1100	190	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
Di-n-octyl phthalate	ND		1100	130	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
Dibenzofuran	ND		1100	130	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
Diethyl phthalate	ND		1100	150	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
Dimethyl phthalate	ND		1100	130	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
Fluoranthene	6000		1100	120	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
Fluorene	160	J	1100	130	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
Hexachlorobenzene	ND		1100	150	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
Hexachlorobutadiene	ND		1100	170	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
Hexachlorocyclopentadiene	ND		1100	150	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
Hexachloroethane	ND		1100	150	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
Indeno[1,2,3-cd]pyrene	1800		1100	140	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
Isophorone	ND		1100	240	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
N-Nitrosodi-n-propylamine	ND		1100	190	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
N-Nitrosodiphenylamine	ND		1100	920	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
Naphthalene	ND		1100	150	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
Nitrobenzene	ND		1100	130	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
Pentachlorophenol	ND		2200	1100	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
Phenanthrene	2700		1100	170	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
Phenol	ND		1100	170	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5
Pyrene	4800		1100	130	ug/Kg	☼	10/15/15 07:51	10/16/15 15:30	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	82		34 - 132	10/15/15 07:51	10/16/15 15:30	5
Phenol-d5 (Surr)	82		11 - 120	10/15/15 07:51	10/16/15 15:30	5
p-Terphenyl-d14 (Surr)	85		65 - 153	10/15/15 07:51	10/16/15 15:30	5
2,4,6-Tribromophenol (Surr)	88		39 - 146	10/15/15 07:51	10/16/15 15:30	5
2-Fluorobiphenyl	83		37 - 120	10/15/15 07:51	10/16/15 15:30	5

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89112-1

**Client Sample ID: TS-21**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89112-4**

**Matrix: Solid**

**Percent Solids: 74.7**

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	72		18 - 120	10/15/15 07:51	10/16/15 15:30	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.23	0.044	mg/Kg	☼	10/15/15 09:30	10/15/15 23:18	1
PCB-1221	ND		0.23	0.044	mg/Kg	☼	10/15/15 09:30	10/15/15 23:18	1
PCB-1232	ND		0.23	0.044	mg/Kg	☼	10/15/15 09:30	10/15/15 23:18	1
PCB-1242	ND		0.23	0.044	mg/Kg	☼	10/15/15 09:30	10/15/15 23:18	1
PCB-1248	ND		0.23	0.044	mg/Kg	☼	10/15/15 09:30	10/15/15 23:18	1
PCB-1254	ND		0.23	0.11	mg/Kg	☼	10/15/15 09:30	10/15/15 23:18	1
PCB-1260	ND		0.23	0.11	mg/Kg	☼	10/15/15 09:30	10/15/15 23:18	1
PCB-1262	ND		0.23	0.11	mg/Kg	☼	10/15/15 09:30	10/15/15 23:18	1
PCB-1268	ND		0.23	0.11	mg/Kg	☼	10/15/15 09:30	10/15/15 23:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	95		60 - 154	10/15/15 09:30	10/15/15 23:18	1
Tetrachloro-m-xylene	101		60 - 154	10/15/15 09:30	10/15/15 23:18	1
DCB Decachlorobiphenyl	88		65 - 174	10/15/15 09:30	10/15/15 23:18	1
DCB Decachlorobiphenyl	111		65 - 174	10/15/15 09:30	10/15/15 23:18	1

## Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	16800		13.2	5.8	mg/Kg	☼	10/15/15 11:40	10/16/15 04:13	1
Antimony	ND		19.7	0.53	mg/Kg	☼	10/15/15 11:40	10/16/15 04:13	1
Arsenic	6.8		2.6	0.53	mg/Kg	☼	10/15/15 11:40	10/16/15 04:13	1
Barium	106		0.66	0.14	mg/Kg	☼	10/15/15 11:40	10/16/15 04:13	1
Beryllium	0.75		0.26	0.037	mg/Kg	☼	10/15/15 11:40	10/16/15 04:13	1
Cadmium	0.93		0.26	0.039	mg/Kg	☼	10/15/15 11:40	10/16/15 04:13	1
Calcium	6730	B	65.8	4.3	mg/Kg	☼	10/15/15 11:40	10/16/15 04:13	1
Chromium	42.7		0.66	0.26	mg/Kg	☼	10/15/15 11:40	10/16/15 04:13	1
Cobalt	9.3		0.66	0.066	mg/Kg	☼	10/15/15 11:40	10/16/15 04:13	1
Copper	36.7		1.3	0.28	mg/Kg	☼	10/15/15 11:40	10/16/15 04:13	1
Iron	23400		13.2	4.6	mg/Kg	☼	10/15/15 11:40	10/16/15 04:13	1
Lead	84.2		1.3	0.32	mg/Kg	☼	10/15/15 11:40	10/16/15 04:13	1
Magnesium	4700		26.3	1.2	mg/Kg	☼	10/15/15 11:40	10/16/15 04:13	1
Manganese	457		0.26	0.042	mg/Kg	☼	10/15/15 11:40	10/16/15 04:13	1
Nickel	22.1		6.6	0.30	mg/Kg	☼	10/15/15 11:40	10/16/15 04:13	1
Potassium	1860		39.5	26.3	mg/Kg	☼	10/15/15 11:40	10/16/15 04:13	1
Selenium	0.86	J	5.3	0.53	mg/Kg	☼	10/15/15 11:40	10/16/15 04:13	1
Silver	0.30	J	0.66	0.26	mg/Kg	☼	10/15/15 11:40	10/16/15 04:13	1
Sodium	114	J	184	17.1	mg/Kg	☼	10/15/15 11:40	10/16/15 04:13	1
Thallium	ND		7.9	0.39	mg/Kg	☼	10/15/15 11:40	10/16/15 04:13	1
Vanadium	32.9		0.66	0.14	mg/Kg	☼	10/15/15 11:40	10/16/15 04:13	1
Zinc	176		2.6	0.84	mg/Kg	☼	10/15/15 11:40	10/16/15 04:13	1

## Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.19		0.026	0.011	mg/Kg	☼	10/15/15 13:20	10/15/15 15:47	1

TestAmerica Buffalo



# Surrogate Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89112-1

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		NBZ (34-132)	PHL (11-120)	TPH (65-153)	TBP (39-146)	FBP (37-120)	2FP (18-120)
480-89112-1	TS-18	78	85	89	111	78	74
480-89112-2	TS-19	80	82	84	101	95	89
480-89112-3	TS-20	72	88	96	119	90	85
480-89112-3 MS	TS-20	91	93	107	158 X	96	84
480-89112-3 MSD	TS-20	84	82	97	132	89	76
480-89112-4	TS-21	82	82	85	88	83	72
LCS 480-268902/2-A	Lab Control Sample	76	76	88	90	80	69
LCS 480-269145/2-A	Lab Control Sample	98	92	104	115	102	88
MB 480-268902/1-A	Method Blank	80	89	108	85	81	87
MB 480-269145/1-A	Method Blank	89	91	110	101	96	86

### Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)  
PHL = Phenol-d5 (Surr)  
TPH = p-Terphenyl-d14 (Surr)  
TBP = 2,4,6-Tribromophenol (Surr)  
FBP = 2-Fluorobiphenyl  
2FP = 2-Fluorophenol (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TCX1 (60-154)	TCX2 (60-154)	DCB1 (65-174)	DCB2 (65-174)
480-89112-1	TS-18	93	97	81	101
480-89112-1 MS	TS-18	115	123	119	153
480-89112-1 MSD	TS-18	112	118	105	132
480-89112-2	TS-19	99	112	92	118
480-89112-3	TS-20	95	103	91	121
480-89112-3 MS	TS-20	117	143	120	154
480-89112-3 MSD	TS-20	98	118	94	125
480-89112-4	TS-21	95	101	88	111
LCS 480-268943/2-A	Lab Control Sample	124	138	117	151
LCS 480-269148/2-A	Lab Control Sample	119	145	115	155
MB 480-268943/1-A	Method Blank	104	116	102	131
MB 480-269148/1-A	Method Blank	100	127	100	135

### Surrogate Legend

TCX = Tetrachloro-m-xylene  
DCB = DCB Decachlorobiphenyl

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89112-1

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

Lab Sample ID: MB 480-268902/1-A

Matrix: Solid

Analysis Batch: 269161

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 268902

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		170	25	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
bis (2-chloroisopropyl) ether	ND		170	34	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
2,4,5-Trichlorophenol	ND		170	46	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
2,4,6-Trichlorophenol	ND		170	34	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
2,4-Dichlorophenol	ND		170	18	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
2,4-Dimethylphenol	ND		170	41	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
2,4-Dinitrophenol	ND		1600	780	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
2,4-Dinitrotoluene	ND		170	35	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
2,6-Dinitrotoluene	ND		170	20	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
2-Chloronaphthalene	ND		170	28	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
2-Chlorophenol	ND		170	31	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
2-Methylphenol	ND		170	20	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
2-Methylnaphthalene	ND		170	34	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
2-Nitroaniline	ND		330	25	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
2-Nitrophenol	ND		170	48	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
3,3'-Dichlorobenzidine	ND		330	200	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
3-Nitroaniline	ND		330	47	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
4,6-Dinitro-2-methylphenol	ND		330	170	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
4-Bromophenyl phenyl ether	ND		170	24	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
4-Chloro-3-methylphenol	ND		170	42	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
4-Chloroaniline	ND		170	42	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
4-Chlorophenyl phenyl ether	ND		170	21	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
4-Methylphenol	ND		330	20	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
4-Nitroaniline	ND		330	88	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
4-Nitrophenol	ND		330	120	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
Acenaphthene	ND		170	25	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
Acenaphthylene	ND		170	22	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
Acetophenone	ND		170	23	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
Anthracene	ND		170	42	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
Atrazine	ND		170	58	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
Benzaldehyde	ND		170	130	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
Benzo[a]anthracene	ND		170	17	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
Benzo[a]pyrene	ND		170	25	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
Benzo[b]fluoranthene	ND		170	27	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
Benzo[g,h,i]perylene	ND		170	18	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
Benzo[k]fluoranthene	ND		170	22	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
Bis(2-chloroethoxy)methane	ND		170	36	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
Bis(2-chloroethyl)ether	ND		170	22	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
Bis(2-ethylhexyl) phthalate	ND		170	57	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
Butyl benzyl phthalate	ND		170	28	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
Caprolactam	ND		170	50	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
Carbazole	ND		170	20	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
Chrysene	ND		170	38	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
Dibenz(a,h)anthracene	ND		170	30	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
Di-n-butyl phthalate	ND		170	29	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
Di-n-octyl phthalate	ND		170	20	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
Dibenzofuran	ND		170	20	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
Diethyl phthalate	ND		170	22	ug/Kg		10/15/15 07:51	10/16/15 10:14	1

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# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-89112-1

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

Lab Sample ID: MB 480-268902/1-A

Matrix: Solid

Analysis Batch: 269161

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 268902

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	ND		170	20	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
Fluoranthene	ND		170	18	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
Fluorene	ND		170	20	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
Hexachlorobenzene	ND		170	23	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
Hexachlorobutadiene	ND		170	25	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
Hexachlorocyclopentadiene	ND		170	23	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
Hexachloroethane	ND		170	22	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
Indeno[1,2,3-cd]pyrene	ND		170	21	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
Isophorone	ND		170	36	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
N-Nitrosodi-n-propylamine	ND		170	29	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
N-Nitrosodiphenylamine	ND		170	140	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
Naphthalene	ND		170	22	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
Nitrobenzene	ND		170	19	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
Pentachlorophenol	ND		330	170	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
Phenanthrene	ND		170	25	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
Phenol	ND		170	26	ug/Kg		10/15/15 07:51	10/16/15 10:14	1
Pyrene	ND		170	20	ug/Kg		10/15/15 07:51	10/16/15 10:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	80		34 - 132	10/15/15 07:51	10/16/15 10:14	1
Phenol-d5 (Surr)	89		11 - 120	10/15/15 07:51	10/16/15 10:14	1
p-Terphenyl-d14 (Surr)	108		65 - 153	10/15/15 07:51	10/16/15 10:14	1
2,4,6-Tribromophenol (Surr)	85		39 - 146	10/15/15 07:51	10/16/15 10:14	1
2-Fluorobiphenyl	81		37 - 120	10/15/15 07:51	10/16/15 10:14	1
2-Fluorophenol (Surr)	87		18 - 120	10/15/15 07:51	10/16/15 10:14	1

Lab Sample ID: LCS 480-268902/2-A

Matrix: Solid

Analysis Batch: 269161

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 268902

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
2,4-Dinitrotoluene	1650	1350		ug/Kg		81	55 - 125
2-Chlorophenol	1650	1220		ug/Kg		74	38 - 120
4-Chloro-3-methylphenol	1650	1370		ug/Kg		83	49 - 125
4-Nitrophenol	3310	2910		ug/Kg		88	43 - 137
Acenaphthene	1650	1330		ug/Kg		80	53 - 120
Atrazine	3310	2870		ug/Kg		87	60 - 164
Bis(2-ethylhexyl) phthalate	1650	1380		ug/Kg		84	61 - 133
Fluorene	1650	1380		ug/Kg		83	63 - 126
Hexachloroethane	1650	1150		ug/Kg		69	41 - 120
N-Nitrosodi-n-propylamine	1650	1270		ug/Kg		77	46 - 120
Pentachlorophenol	3310	2460		ug/Kg		74	33 - 136
Phenol	1650	1240		ug/Kg		75	36 - 120
Pyrene	1650	1690		ug/Kg		102	51 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	76		34 - 132

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89112-1

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

Lab Sample ID: LCS 480-268902/2-A

Matrix: Solid

Analysis Batch: 269161

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 268902

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Phenol-d5 (Surr)	76		11 - 120
p-Terphenyl-d14 (Surr)	88		65 - 153
2,4,6-Tribromophenol (Surr)	90		39 - 146
2-Fluorobiphenyl	80		37 - 120
2-Fluorophenol (Surr)	69		18 - 120

Lab Sample ID: MB 480-269145/1-A

Matrix: Solid

Analysis Batch: 269526

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 269145

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		170	25	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
bis (2-chloroisopropyl) ether	ND		170	34	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
2,4,5-Trichlorophenol	ND		170	46	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
2,4,6-Trichlorophenol	ND		170	34	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
2,4-Dichlorophenol	ND		170	18	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
2,4-Dimethylphenol	ND		170	41	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
2,4-Dinitrophenol	ND		1600	780	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
2,4-Dinitrotoluene	ND		170	35	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
2,6-Dinitrotoluene	ND		170	20	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
2-Chloronaphthalene	ND		170	28	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
2-Chlorophenol	ND		170	31	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
2-Methylphenol	ND		170	20	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
2-Methylnaphthalene	ND		170	34	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
2-Nitroaniline	ND		330	25	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
2-Nitrophenol	ND		170	48	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
3,3'-Dichlorobenzidine	ND		330	200	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
3-Nitroaniline	ND		330	47	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
4,6-Dinitro-2-methylphenol	ND		330	170	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
4-Bromophenyl phenyl ether	ND		170	24	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
4-Chloro-3-methylphenol	ND		170	42	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
4-Chloroaniline	ND		170	42	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
4-Chlorophenyl phenyl ether	ND		170	21	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
4-Methylphenol	ND		330	20	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
4-Nitroaniline	ND		330	88	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
4-Nitrophenol	ND		330	120	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
Acenaphthene	ND		170	25	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
Acenaphthylene	ND		170	22	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
Acetophenone	ND		170	23	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
Anthracene	ND		170	42	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
Atrazine	ND		170	59	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
Benzaldehyde	ND		170	130	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
Benzo[a]anthracene	ND		170	17	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
Benzo[a]pyrene	ND		170	25	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
Benzo[b]fluoranthene	ND		170	27	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
Benzo[g,h,i]perylene	ND		170	18	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
Benzo[k]fluoranthene	ND		170	22	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
Bis(2-chloroethoxy)methane	ND		170	36	ug/Kg		10/16/15 08:10	10/19/15 12:32	1

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89112-1

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

Lab Sample ID: MB 480-269145/1-A

Matrix: Solid

Analysis Batch: 269526

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 269145

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		170	22	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
Bis(2-ethylhexyl) phthalate	ND		170	58	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
Butyl benzyl phthalate	ND		170	28	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
Caprolactam	ND		170	51	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
Carbazole	ND		170	20	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
Chrysene	ND		170	38	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
Dibenz(a,h)anthracene	ND		170	30	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
Di-n-butyl phthalate	ND		170	29	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
Di-n-octyl phthalate	ND		170	20	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
Dibenzofuran	ND		170	20	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
Diethyl phthalate	ND		170	22	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
Dimethyl phthalate	ND		170	20	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
Fluoranthene	ND		170	18	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
Fluorene	ND		170	20	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
Hexachlorobenzene	ND		170	23	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
Hexachlorobutadiene	ND		170	25	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
Hexachlorocyclopentadiene	ND		170	23	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
Hexachloroethane	ND		170	22	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
Indeno[1,2,3-cd]pyrene	ND		170	21	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
Isophorone	ND		170	36	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
N-Nitrosodi-n-propylamine	ND		170	29	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
N-Nitrosodiphenylamine	ND		170	140	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
Naphthalene	ND		170	22	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
Nitrobenzene	ND		170	19	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
Pentachlorophenol	ND		330	170	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
Phenanthrene	ND		170	25	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
Phenol	ND		170	26	ug/Kg		10/16/15 08:10	10/19/15 12:32	1
Pyrene	ND		170	20	ug/Kg		10/16/15 08:10	10/19/15 12:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	89		34 - 132	10/16/15 08:10	10/19/15 12:32	1
Phenol-d5 (Surr)	91		11 - 120	10/16/15 08:10	10/19/15 12:32	1
p-Terphenyl-d14 (Surr)	110		65 - 153	10/16/15 08:10	10/19/15 12:32	1
2,4,6-Tribromophenol (Surr)	101		39 - 146	10/16/15 08:10	10/19/15 12:32	1
2-Fluorobiphenyl	96		37 - 120	10/16/15 08:10	10/19/15 12:32	1
2-Fluorophenol (Surr)	86		18 - 120	10/16/15 08:10	10/19/15 12:32	1

Lab Sample ID: LCS 480-269145/2-A

Matrix: Solid

Analysis Batch: 269526

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 269145

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dinitrotoluene	1660	1600		ug/Kg		96	55 - 125
2-Chlorophenol	1660	1500		ug/Kg		90	38 - 120
4-Chloro-3-methylphenol	1660	1520		ug/Kg		92	49 - 125
4-Nitrophenol	3320	2890		ug/Kg		87	43 - 137
Acenaphthene	1660	1660		ug/Kg		100	53 - 120
Atrazine	3320	3340		ug/Kg		101	60 - 164

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-89112-1

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

Lab Sample ID: LCS 480-269145/2-A

Matrix: Solid

Analysis Batch: 269526

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 269145

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-ethylhexyl) phthalate	1660	1810		ug/Kg		109	61 - 133
Fluorene	1660	1630		ug/Kg		99	63 - 126
Hexachloroethane	1660	1460		ug/Kg		88	41 - 120
N-Nitrosodi-n-propylamine	1660	1520		ug/Kg		91	46 - 120
Pentachlorophenol	3320	3140		ug/Kg		95	33 - 136
Phenol	1660	1420		ug/Kg		85	36 - 120
Pyrene	1660	1670		ug/Kg		101	51 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	98		34 - 132
Phenol-d5 (Surr)	92		11 - 120
p-Terphenyl-d14 (Surr)	104		65 - 153
2,4,6-Tribromophenol (Surr)	115		39 - 146
2-Fluorobiphenyl	102		37 - 120
2-Fluorophenol (Surr)	88		18 - 120

Lab Sample ID: 480-89112-3 MS

Matrix: Solid

Analysis Batch: 269526

Client Sample ID: TS-20

Prep Type: Total/NA

Prep Batch: 269145

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dinitrotoluene	ND	F1	2210	2800	F1	ug/Kg	✱	127	55 - 125
2-Chlorophenol	ND		2210	2080	J	ug/Kg	✱	94	38 - 120
4-Chloro-3-methylphenol	ND		2210	2660		ug/Kg	✱	120	49 - 125
4-Nitrophenol	ND		4420	5340		ug/Kg	✱	121	43 - 137
Acenaphthene	ND		2210	2280	J	ug/Kg	✱	103	53 - 120
Atrazine	ND		4420	5320		ug/Kg	✱	121	60 - 164
Bis(2-ethylhexyl) phthalate	ND	F1	2210	3280	F1	ug/Kg	✱	148	61 - 133
Fluorene	ND		2210	2280	J	ug/Kg	✱	103	63 - 126
Hexachloroethane	ND		2210	1710	J	ug/Kg	✱	77	41 - 120
N-Nitrosodi-n-propylamine	ND		2210	2270	J	ug/Kg	✱	103	46 - 120
Pentachlorophenol	ND		4420	5390		ug/Kg	✱	122	33 - 136
Phenol	ND		2210	1910	J	ug/Kg	✱	87	36 - 120
Pyrene	850	J	2210	3580		ug/Kg	✱	124	51 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
Nitrobenzene-d5 (Surr)	91		34 - 132
Phenol-d5 (Surr)	93		11 - 120
p-Terphenyl-d14 (Surr)	107		65 - 153
2,4,6-Tribromophenol (Surr)	158	X	39 - 146
2-Fluorobiphenyl	96		37 - 120
2-Fluorophenol (Surr)	84		18 - 120

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# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89112-1

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

Lab Sample ID: 480-89112-3 MSD

Matrix: Solid

Analysis Batch: 269526

Client Sample ID: TS-20

Prep Type: Total/NA

Prep Batch: 269145

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
2,4-Dinitrotoluene	ND	F1	2220	2590		ug/Kg	✱	117	55 - 125	8	20
2-Chlorophenol	ND		2220	1800	J	ug/Kg	✱	81	38 - 120	14	25
4-Chloro-3-methylphenol	ND		2220	2380		ug/Kg	✱	107	49 - 125	11	27
4-Nitrophenol	ND		4430	4870		ug/Kg	✱	110	43 - 137	9	25
Acenaphthene	ND		2220	1980	J	ug/Kg	✱	89	53 - 120	14	35
Atrazine	ND		4430	4920		ug/Kg	✱	111	60 - 164	8	20
Bis(2-ethylhexyl) phthalate	ND	F1	2220	3020	F1	ug/Kg	✱	136	61 - 133	8	15
Fluorene	ND		2220	2060	J	ug/Kg	✱	93	63 - 126	10	15
Hexachloroethane	ND		2220	1750	J	ug/Kg	✱	79	41 - 120	2	46
N-Nitrosodi-n-propylamine	ND		2220	2210	J	ug/Kg	✱	100	46 - 120	2	31
Pentachlorophenol	ND		4430	5140		ug/Kg	✱	116	33 - 136	5	35
Phenol	ND		2220	1820	J	ug/Kg	✱	82	36 - 120	5	35
Pyrene	850	J	2220	3170		ug/Kg	✱	104	51 - 133	12	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Nitrobenzene-d5 (Surr)	84		34 - 132
Phenol-d5 (Surr)	82		11 - 120
p-Terphenyl-d14 (Surr)	97		65 - 153
2,4,6-Tribromophenol (Surr)	132		39 - 146
2-Fluorobiphenyl	89		37 - 120
2-Fluorophenol (Surr)	76		18 - 120

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

Lab Sample ID: MB 480-268943/1-A

Matrix: Solid

Analysis Batch: 268999

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 268943

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.18	0.034	mg/Kg		10/15/15 09:30	10/15/15 21:27	1
PCB-1221	ND		0.18	0.034	mg/Kg		10/15/15 09:30	10/15/15 21:27	1
PCB-1232	ND		0.18	0.034	mg/Kg		10/15/15 09:30	10/15/15 21:27	1
PCB-1242	ND		0.18	0.034	mg/Kg		10/15/15 09:30	10/15/15 21:27	1
PCB-1248	ND		0.18	0.034	mg/Kg		10/15/15 09:30	10/15/15 21:27	1
PCB-1254	ND		0.18	0.082	mg/Kg		10/15/15 09:30	10/15/15 21:27	1
PCB-1260	ND		0.18	0.082	mg/Kg		10/15/15 09:30	10/15/15 21:27	1
PCB-1262	ND		0.18	0.082	mg/Kg		10/15/15 09:30	10/15/15 21:27	1
PCB-1268	ND		0.18	0.082	mg/Kg		10/15/15 09:30	10/15/15 21:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	104		60 - 154	10/15/15 09:30	10/15/15 21:27	1
Tetrachloro-m-xylene	116		60 - 154	10/15/15 09:30	10/15/15 21:27	1
DCB Decachlorobiphenyl	102		65 - 174	10/15/15 09:30	10/15/15 21:27	1
DCB Decachlorobiphenyl	131		65 - 174	10/15/15 09:30	10/15/15 21:27	1

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89112-1

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

Lab Sample ID: LCS 480-268943/2-A

Matrix: Solid

Analysis Batch: 268999

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 268943

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	2.34	2.65		mg/Kg		114	51 - 185
PCB-1260	2.34	2.88		mg/Kg		123	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	124		60 - 154
Tetrachloro-m-xylene	138		60 - 154
DCB Decachlorobiphenyl	117		65 - 174
DCB Decachlorobiphenyl	151		65 - 174

Lab Sample ID: 480-89112-1 MS

Matrix: Solid

Analysis Batch: 268999

Client Sample ID: TS-18

Prep Type: Total/NA

Prep Batch: 268943

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		2.42	2.60		mg/Kg	☼	108	50 - 177
PCB-1260	ND		2.42	2.95		mg/Kg	☼	122	33 - 200

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene	115		60 - 154
Tetrachloro-m-xylene	123		60 - 154
DCB Decachlorobiphenyl	119		65 - 174
DCB Decachlorobiphenyl	153		65 - 174

Lab Sample ID: 480-89112-1 MSD

Matrix: Solid

Analysis Batch: 268999

Client Sample ID: TS-18

Prep Type: Total/NA

Prep Batch: 268943

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
PCB-1016	ND		2.69	2.64		mg/Kg	☼	98	50 - 177	2	50
PCB-1260	ND		2.69	3.02		mg/Kg	☼	112	33 - 200	2	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Tetrachloro-m-xylene	112		60 - 154
Tetrachloro-m-xylene	118		60 - 154
DCB Decachlorobiphenyl	105		65 - 174
DCB Decachlorobiphenyl	132		65 - 174

Lab Sample ID: MB 480-269148/1-A

Matrix: Solid

Analysis Batch: 269215

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 269148

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.19	0.037	mg/Kg		10/16/15 08:13	10/16/15 12:13	1
PCB-1221	ND		0.19	0.037	mg/Kg		10/16/15 08:13	10/16/15 12:13	1
PCB-1232	ND		0.19	0.037	mg/Kg		10/16/15 08:13	10/16/15 12:13	1
PCB-1242	ND		0.19	0.037	mg/Kg		10/16/15 08:13	10/16/15 12:13	1
PCB-1248	ND		0.19	0.037	mg/Kg		10/16/15 08:13	10/16/15 12:13	1

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89112-1

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

Lab Sample ID: MB 480-269148/1-A

Matrix: Solid

Analysis Batch: 269215

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 269148

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	ND		0.19	0.088	mg/Kg		10/16/15 08:13	10/16/15 12:13	1
PCB-1260	ND		0.19	0.088	mg/Kg		10/16/15 08:13	10/16/15 12:13	1
PCB-1262	ND		0.19	0.088	mg/Kg		10/16/15 08:13	10/16/15 12:13	1
PCB-1268	ND		0.19	0.088	mg/Kg		10/16/15 08:13	10/16/15 12:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	100		60 - 154	10/16/15 08:13	10/16/15 12:13	1
Tetrachloro-m-xylene	127		60 - 154	10/16/15 08:13	10/16/15 12:13	1
DCB Decachlorobiphenyl	100		65 - 174	10/16/15 08:13	10/16/15 12:13	1
DCB Decachlorobiphenyl	135		65 - 174	10/16/15 08:13	10/16/15 12:13	1

Lab Sample ID: LCS 480-269148/2-A

Matrix: Solid

Analysis Batch: 269215

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 269148

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	2.28	2.53		mg/Kg		111	51 - 185
PCB-1260	2.28	2.78		mg/Kg		122	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	119		60 - 154
Tetrachloro-m-xylene	145		60 - 154
DCB Decachlorobiphenyl	115		65 - 174
DCB Decachlorobiphenyl	155		65 - 174

Lab Sample ID: 480-89112-3 MS

Matrix: Solid

Analysis Batch: 269215

Client Sample ID: TS-20

Prep Type: Total/NA

Prep Batch: 269148

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		3.14	3.44		mg/Kg	☼	110	50 - 177
PCB-1260	ND		3.14	3.72		mg/Kg	☼	118	33 - 200

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene	117		60 - 154
Tetrachloro-m-xylene	143		60 - 154
DCB Decachlorobiphenyl	120		65 - 174
DCB Decachlorobiphenyl	154		65 - 174

Lab Sample ID: 480-89112-3 MSD

Matrix: Solid

Analysis Batch: 269215

Client Sample ID: TS-20

Prep Type: Total/NA

Prep Batch: 269148

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
PCB-1016	ND		3.32	2.59		mg/Kg	☼	78	50 - 177	28	50
PCB-1260	ND		3.32	2.73		mg/Kg	☼	82	33 - 200	30	50

TestAmerica Buffalo



# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89112-1

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

Lab Sample ID: 480-89112-3 MSD

Matrix: Solid

Analysis Batch: 269215

Client Sample ID: TS-20

Prep Type: Total/NA

Prep Batch: 269148

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Tetrachloro-m-xylene	98		60 - 154
Tetrachloro-m-xylene	118		60 - 154
DCB Decachlorobiphenyl	94		65 - 174
DCB Decachlorobiphenyl	125		65 - 174

## Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-268944/1-A

Matrix: Solid

Analysis Batch: 269139

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 268944

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		9.9	4.3	mg/Kg		10/15/15 11:40	10/16/15 03:04	1
Antimony	ND		14.8	0.39	mg/Kg		10/15/15 11:40	10/16/15 03:04	1
Arsenic	ND		2.0	0.39	mg/Kg		10/15/15 11:40	10/16/15 03:04	1
Barium	ND		0.49	0.11	mg/Kg		10/15/15 11:40	10/16/15 03:04	1
Beryllium	ND		0.20	0.028	mg/Kg		10/15/15 11:40	10/16/15 03:04	1
Cadmium	ND		0.20	0.030	mg/Kg		10/15/15 11:40	10/16/15 03:04	1
Calcium	4.62	J	49.3	3.3	mg/Kg		10/15/15 11:40	10/16/15 03:04	1
Chromium	ND		0.49	0.20	mg/Kg		10/15/15 11:40	10/16/15 03:04	1
Cobalt	ND		0.49	0.049	mg/Kg		10/15/15 11:40	10/16/15 03:04	1
Copper	ND		0.99	0.21	mg/Kg		10/15/15 11:40	10/16/15 03:04	1
Iron	ND		9.9	3.5	mg/Kg		10/15/15 11:40	10/16/15 03:04	1
Lead	ND		0.99	0.24	mg/Kg		10/15/15 11:40	10/16/15 03:04	1
Magnesium	ND		19.7	0.91	mg/Kg		10/15/15 11:40	10/16/15 03:04	1
Manganese	ND		0.20	0.032	mg/Kg		10/15/15 11:40	10/16/15 03:04	1
Nickel	ND		4.9	0.23	mg/Kg		10/15/15 11:40	10/16/15 03:04	1
Potassium	ND		29.6	19.7	mg/Kg		10/15/15 11:40	10/16/15 03:04	1
Selenium	ND		3.9	0.39	mg/Kg		10/15/15 11:40	10/16/15 03:04	1
Silver	ND		0.49	0.20	mg/Kg		10/15/15 11:40	10/16/15 03:04	1
Sodium	ND		138	12.8	mg/Kg		10/15/15 11:40	10/16/15 03:04	1
Thallium	ND		5.9	0.30	mg/Kg		10/15/15 11:40	10/16/15 03:04	1
Vanadium	ND		0.49	0.11	mg/Kg		10/15/15 11:40	10/16/15 03:04	1
Zinc	ND		2.0	0.63	mg/Kg		10/15/15 11:40	10/16/15 03:04	1

Lab Sample ID: LCSSRM 480-268944/2-A

Matrix: Solid

Analysis Batch: 269139

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 268944

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8060	8153		mg/Kg		101.2	39.5 - 160. 0
Antimony	94.0	76.62		mg/Kg		81.5	22.8 - 257. 4
Arsenic	113	97.55		mg/Kg		86.3	69.7 - 142. 5
Barium	155	135.1		mg/Kg		87.2	72.9 - 127. 1

TestAmerica Buffalo



# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89112-1

## Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-268944/2-A  
Matrix: Solid  
Analysis Batch: 269139

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 268944

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Beryllium	109	93.86		mg/Kg		86.1	74.7 - 124.8
Cadmium	67.5	60.29		mg/Kg		89.3	73.2 - 126.8
Calcium	5850	5026		mg/Kg		85.9	73.7 - 126.5
Chromium	164	146.6		mg/Kg		89.4	70.7 - 129.9
Cobalt	100	96.83		mg/Kg		96.8	74.4 - 126.0
Copper	100	109.8		mg/Kg		109.8	96.2 - 161.0
Iron	15200	13510		mg/Kg		88.9	37.4 - 162.5
Lead	90.1	84.53		mg/Kg		93.8	70.1 - 129.9
Magnesium	2790	2549		mg/Kg		91.4	65.2 - 135.1
Manganese	363	318.9		mg/Kg		87.8	75.8 - 124.5
Nickel	89.3	87.33		mg/Kg		97.8	72.0 - 127.7
Potassium	2770	2667		mg/Kg		96.3	61.7 - 138.3
Selenium	156	136.8		mg/Kg		87.7	67.3 - 132.1
Silver	52.6	45.01		mg/Kg		85.6	66.7 - 133.5
Sodium	686	627.3		mg/Kg		91.4	55.8 - 144.2
Thallium	116	111.1		mg/Kg		95.8	67.4 - 131.9
Vanadium	73.0	69.64		mg/Kg		95.4	59.7 - 139.7
Zinc	168	148.2		mg/Kg		88.2	69.0 - 131.5

Lab Sample ID: 480-89112-1 MS  
Matrix: Solid  
Analysis Batch: 269139

Client Sample ID: TS-18  
Prep Type: Total/NA  
Prep Batch: 268944

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	14000		2500	19940	4	mg/Kg	☼	239	75 - 125
Antimony	1.8	J F1	50.0	32.94	F1	mg/Kg	☼	62	75 - 125
Arsenic	14.1		50.0	59.78		mg/Kg	☼	91	75 - 125
Barium	531	F2	50.0	1255	E 4	mg/Kg	☼	1448	75 - 125
Beryllium	1.5		50.0	44.25		mg/Kg	☼	85	75 - 125
Cadmium	3.2		50.0	47.14		mg/Kg	☼	88	75 - 125
Calcium	32500	B F2	2500	52430	4	mg/Kg	☼	796	75 - 125
Chromium	49.5		50.0	94.28		mg/Kg	☼	90	75 - 125
Cobalt	7.7		50.0	57.63		mg/Kg	☼	100	75 - 125
Copper	127	F1 F2	50.0	188.5		mg/Kg	☼	123	75 - 125
Iron	33500		2500	40100	4	mg/Kg	☼	266	75 - 125

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89112-1

## Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-89112-1 MS

Matrix: Solid

Analysis Batch: 269139

Client Sample ID: TS-18

Prep Type: Total/NA

Prep Batch: 268944

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	1840		50.0	1399	4	mg/Kg	✱	-887	75 - 125
Magnesium	7610	F1	2500	11410	F1	mg/Kg	✱	152	75 - 125
Manganese	793		50.0	805.5	4	mg/Kg	✱	24	75 - 125
Nickel	23.4		50.0	74.05		mg/Kg	✱	101	75 - 125
Potassium	1920	F1	2500	5642	F1	mg/Kg	✱	149	75 - 125
Selenium	1.3	J	50.0	44.83		mg/Kg	✱	87	75 - 125
Silver	0.48	J	12.5	12.69		mg/Kg	✱	98	75 - 125
Sodium	382		2510	2661		mg/Kg	✱	91	75 - 125
Thallium	ND		50.0	45.81		mg/Kg	✱	92	75 - 125
Vanadium	27.0		50.0	79.23		mg/Kg	✱	104	75 - 125
Zinc	794	F2	50.0	1062	4	mg/Kg	✱	535	75 - 125

Lab Sample ID: 480-89112-1 MSD

Matrix: Solid

Analysis Batch: 269139

Client Sample ID: TS-18

Prep Type: Total/NA

Prep Batch: 268944

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Aluminum	14000		2510	20890	4	mg/Kg	✱	276	75 - 125	5	20
Antimony	1.8	J F1	50.2	31.32	F1	mg/Kg	✱	59	75 - 125	5	20
Arsenic	14.1		50.2	57.94		mg/Kg	✱	87	75 - 125	3	20
Barium	531	F2	50.2	415.6	4 F2	mg/Kg	✱	-230	75 - 125	101	20
Beryllium	1.5		50.2	44.05		mg/Kg	✱	85	75 - 125	0	20
Cadmium	3.2		50.2	46.74		mg/Kg	✱	87	75 - 125	1	20
Calcium	32500	B F2	2510	34050	4 F2	mg/Kg	✱	61	75 - 125	43	20
Chromium	49.5		50.2	96.08		mg/Kg	✱	93	75 - 125	2	20
Cobalt	7.7		50.2	56.71		mg/Kg	✱	98	75 - 125	2	20
Copper	127	F1 F2	50.2	1112	F1 F2	mg/Kg	✱	1961	75 - 125	142	20
Iron	33500		2510	35460	4	mg/Kg	✱	80	75 - 125	12	20
Lead	1840		50.2	1409	4	mg/Kg	✱	-864	75 - 125	1	20
Magnesium	7610	F1	2510	9937		mg/Kg	✱	93	75 - 125	14	20
Manganese	793		50.2	713.6	4	mg/Kg	✱	-159	75 - 125	12	20
Nickel	23.4		50.2	72.72		mg/Kg	✱	98	75 - 125	2	20
Potassium	1920	F1	2510	5713	F1	mg/Kg	✱	151	75 - 125	1	20
Selenium	1.3	J	50.2	44.44		mg/Kg	✱	86	75 - 125	1	20
Silver	0.48	J	12.6	12.45		mg/Kg	✱	95	75 - 125	2	20
Sodium	382		2520	2608		mg/Kg	✱	89	75 - 125	2	20
Thallium	ND		50.2	45.67		mg/Kg	✱	91	75 - 125	0	20
Vanadium	27.0		50.2	80.38		mg/Kg	✱	106	75 - 125	1	20
Zinc	794	F2	50.2	778.3	4 F2	mg/Kg	✱	-32	75 - 125	31	20

Lab Sample ID: MB 480-269194/1-A

Matrix: Solid

Analysis Batch: 269531

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 269194

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		10.2	4.5	mg/Kg		10/16/15 10:50	10/16/15 21:11	1
Antimony	ND		15.3	0.41	mg/Kg		10/16/15 10:50	10/16/15 21:11	1
Arsenic	ND		2.0	0.41	mg/Kg		10/16/15 10:50	10/16/15 21:11	1
Barium	ND		0.51	0.11	mg/Kg		10/16/15 10:50	10/16/15 21:11	1

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-89112-1

## Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-269194/1-A

Matrix: Solid

Analysis Batch: 269531

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 269194

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.20	0.028	mg/Kg		10/16/15 10:50	10/16/15 21:11	1
Cadmium	ND		0.20	0.031	mg/Kg		10/16/15 10:50	10/16/15 21:11	1
Calcium	4.21	J	50.8	3.4	mg/Kg		10/16/15 10:50	10/16/15 21:11	1
Chromium	ND		0.51	0.20	mg/Kg		10/16/15 10:50	10/16/15 21:11	1
Cobalt	ND		0.51	0.051	mg/Kg		10/16/15 10:50	10/16/15 21:11	1
Copper	ND		1.0	0.21	mg/Kg		10/16/15 10:50	10/16/15 21:11	1
Iron	ND		10.2	3.6	mg/Kg		10/16/15 10:50	10/16/15 21:11	1
Lead	ND		1.0	0.24	mg/Kg		10/16/15 10:50	10/16/15 21:11	1
Magnesium	ND		20.3	0.94	mg/Kg		10/16/15 10:50	10/16/15 21:11	1
Manganese	ND		0.20	0.033	mg/Kg		10/16/15 10:50	10/16/15 21:11	1
Nickel	ND		5.1	0.23	mg/Kg		10/16/15 10:50	10/16/15 21:11	1
Potassium	ND		30.5	20.3	mg/Kg		10/16/15 10:50	10/16/15 21:11	1
Selenium	ND		4.1	0.41	mg/Kg		10/16/15 10:50	10/16/15 21:11	1
Silver	ND		0.51	0.20	mg/Kg		10/16/15 10:50	10/16/15 21:11	1
Sodium	ND		142	13.2	mg/Kg		10/16/15 10:50	10/16/15 21:11	1
Thallium	ND		6.1	0.31	mg/Kg		10/16/15 10:50	10/16/15 21:11	1
Vanadium	ND		0.51	0.11	mg/Kg		10/16/15 10:50	10/16/15 21:11	1
Zinc	ND		2.0	0.65	mg/Kg		10/16/15 10:50	10/16/15 21:11	1

Lab Sample ID: LCSSRM 480-269194/2-A

Matrix: Solid

Analysis Batch: 269531

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 269194

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8060	8942		mg/Kg		110.9	39.5 - 160.0
Antimony	94.0	84.68		mg/Kg		90.1	22.8 - 257.4
Arsenic	113	102.4		mg/Kg		90.6	69.7 - 142.5
Barium	155	149.8		mg/Kg		96.6	72.9 - 127.1
Beryllium	109	100.4		mg/Kg		92.1	74.7 - 124.8
Cadmium	67.5	61.45		mg/Kg		91.0	73.2 - 126.8
Calcium	5850	5438		mg/Kg		93.0	73.7 - 126.5
Chromium	164	153.3		mg/Kg		93.4	70.7 - 129.9
Cobalt	100	100.0		mg/Kg		100	74.4 - 126.0
Copper	100	118.6		mg/Kg		118.6	96.2 - 161.0
Iron	15200	14460		mg/Kg		95.1	37.4 - 162.5
Lead	90.1	89.03		mg/Kg		98.8	70.1 - 129.9
Magnesium	2790	2715		mg/Kg		97.3	65.2 - 135.1
Manganese	363	335.6		mg/Kg		92.4	75.8 - 124.5

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-89112-1

## Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-269194/2-A  
Matrix: Solid  
Analysis Batch: 269531

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 269194

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Nickel	89.3	89.22		mg/Kg		99.9	72.0 - 127.7
Potassium	2770	2842		mg/Kg		102.6	61.7 - 138.3
Selenium	156	143.9		mg/Kg		92.2	67.3 - 132.1
Silver	52.6	47.47		mg/Kg		90.3	66.7 - 133.5
Sodium	686	673.0		mg/Kg		98.1	55.8 - 144.2
Thallium	116	113.3		mg/Kg		97.7	67.4 - 131.9
Vanadium	73.0	72.67		mg/Kg		99.5	59.7 - 139.7
Zinc	168	152.5		mg/Kg		90.8	69.0 - 131.5

Lab Sample ID: 480-89112-3 MS  
Matrix: Solid  
Analysis Batch: 269531

Client Sample ID: TS-20  
Prep Type: Total/NA  
Prep Batch: 269194

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	19800		2580	32470	4	mg/Kg	☼	492	75 - 125
Antimony	ND	F1	51.6	29.10	F1	mg/Kg	☼	56	75 - 125
Arsenic	7.6		51.6	56.12		mg/Kg	☼	94	75 - 125
Barium	114	F1	51.6	189.7	F1	mg/Kg	☼	147	75 - 125
Beryllium	0.78		51.6	48.37		mg/Kg	☼	92	75 - 125
Cadmium	0.88		51.6	48.82		mg/Kg	☼	93	75 - 125
Calcium	5820	B F1 F2	2580	9059	F1	mg/Kg	☼	126	75 - 125
Chromium	42.2		51.6	96.17		mg/Kg	☼	105	75 - 125
Cobalt	9.1		51.6	62.72		mg/Kg	☼	104	75 - 125
Copper	36.5		51.6	84.51		mg/Kg	☼	93	75 - 125
Iron	24400		2580	30600	4	mg/Kg	☼	241	75 - 125
Lead	86.0		51.6	136.2		mg/Kg	☼	97	75 - 125
Magnesium	4270	F1	2580	8455	F1	mg/Kg	☼	162	75 - 125
Manganese	455		51.6	624.1	4	mg/Kg	☼	327	75 - 125
Nickel	22.1		51.6	73.81		mg/Kg	☼	100	75 - 125
Potassium	2560	F1	2580	8267	F1	mg/Kg	☼	221	75 - 125
Selenium	1.3	J	51.6	49.56		mg/Kg	☼	94	75 - 125
Silver	ND		12.9	12.54		mg/Kg	☼	97	75 - 125
Sodium	134	J	2580	2597		mg/Kg	☼	95	75 - 125
Thallium	ND		51.6	49.18		mg/Kg	☼	95	75 - 125
Vanadium	37.4	F1	51.6	105.3	F1	mg/Kg	☼	132	75 - 125
Zinc	179	F1	51.6	226.5		mg/Kg	☼	92	75 - 125

Lab Sample ID: 480-89112-3 MSD  
Matrix: Solid  
Analysis Batch: 269531

Client Sample ID: TS-20  
Prep Type: Total/NA  
Prep Batch: 269194

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Aluminum	19800		2640	30040	4	mg/Kg	☼	389	75 - 125	8	20

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-89112-1

## Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-89112-3 MSD

Matrix: Solid

Analysis Batch: 269531

Client Sample ID: TS-20

Prep Type: Total/NA

Prep Batch: 269194

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	ND	F1	52.7	28.77	F1	mg/Kg	✱	55	75 - 125	1	20
Arsenic	7.6		52.7	52.15		mg/Kg	✱	85	75 - 125	7	20
Barium	114	F1	52.7	179.5		mg/Kg	✱	124	75 - 125	6	20
Beryllium	0.78		52.7	46.88		mg/Kg	✱	87	75 - 125	3	20
Cadmium	0.88		52.7	47.35		mg/Kg	✱	88	75 - 125	3	20
Calcium	5820	B F1 F2	2640	14210	F1 F2	mg/Kg	✱	318	75 - 125	44	20
Chromium	42.2		52.7	89.35		mg/Kg	✱	89	75 - 125	7	20
Cobalt	9.1		52.7	58.86		mg/Kg	✱	94	75 - 125	6	20
Copper	36.5		52.7	80.42		mg/Kg	✱	83	75 - 125	5	20
Iron	24400		2640	25510	4	mg/Kg	✱	43	75 - 125	18	20
Lead	86.0		52.7	128.3		mg/Kg	✱	80	75 - 125	6	20
Magnesium	4270	F1	2640	7315		mg/Kg	✱	116	75 - 125	14	20
Manganese	455		52.7	532.2	4	mg/Kg	✱	146	75 - 125	16	20
Nickel	22.1		52.7	69.43		mg/Kg	✱	90	75 - 125	6	20
Potassium	2560	F1	2640	7428	F1	mg/Kg	✱	185	75 - 125	11	20
Selenium	1.3	J	52.7	46.81		mg/Kg	✱	86	75 - 125	6	20
Silver	ND		13.2	12.10		mg/Kg	✱	92	75 - 125	4	20
Sodium	134	J	2640	2539		mg/Kg	✱	91	75 - 125	2	20
Thallium	ND		52.7	47.40		mg/Kg	✱	90	75 - 125	4	20
Vanadium	37.4	F1	52.7	94.21		mg/Kg	✱	108	75 - 125	11	20
Zinc	179	F1	52.7	209.6	F1	mg/Kg	✱	58	75 - 125	8	20

## Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-268933/1-A

Matrix: Solid

Analysis Batch: 269123

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 268933

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.0079	mg/Kg	-	10/15/15 13:20	10/15/15 17:45	1

Lab Sample ID: LCSSRM 480-268933/2-A

Matrix: Solid

Analysis Batch: 269123

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 268933

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	8.37	11.41		mg/Kg	-	136.3	51.3 - 148.1

Lab Sample ID: MB 480-269176/1-A

Matrix: Solid

Analysis Batch: 269302

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 269176

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.0081	mg/Kg	-	10/16/15 11:15	10/16/15 13:28	1

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89112-1

## Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: LCSSRM 480-269176/2-A  
Matrix: Solid  
Analysis Batch: 269302

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 269176

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	8.37	10.61		mg/Kg		126.7	51.3 - 148.1

Lab Sample ID: 480-89112-3 MS  
Matrix: Solid  
Analysis Batch: 269302

Client Sample ID: TS-20  
Prep Type: Total/NA  
Prep Batch: 269176

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.16		0.419	0.557		mg/Kg	☼	94	80 - 120

Lab Sample ID: 480-89112-3 MSD  
Matrix: Solid  
Analysis Batch: 269302

Client Sample ID: TS-20  
Prep Type: Total/NA  
Prep Batch: 269176

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.16		0.432	0.557		mg/Kg	☼	91	80 - 120	0	20

# QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89112-1

## GC/MS Semi VOA

### Prep Batch: 268902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89112-1	TS-18	Total/NA	Solid	3550C	
480-89112-2	TS-19	Total/NA	Solid	3550C	
480-89112-4	TS-21	Total/NA	Solid	3550C	
LCS 480-268902/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 480-268902/1-A	Method Blank	Total/NA	Solid	3550C	

### Prep Batch: 269145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89112-3	TS-20	Total/NA	Solid	3550C	
480-89112-3 MS	TS-20	Total/NA	Solid	3550C	
480-89112-3 MSD	TS-20	Total/NA	Solid	3550C	
LCS 480-269145/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 480-269145/1-A	Method Blank	Total/NA	Solid	3550C	

### Analysis Batch: 269161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89112-1	TS-18	Total/NA	Solid	8270D	268902
480-89112-2	TS-19	Total/NA	Solid	8270D	268902
480-89112-4	TS-21	Total/NA	Solid	8270D	268902
LCS 480-268902/2-A	Lab Control Sample	Total/NA	Solid	8270D	268902
MB 480-268902/1-A	Method Blank	Total/NA	Solid	8270D	268902

### Analysis Batch: 269526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89112-3	TS-20	Total/NA	Solid	8270D	269145
480-89112-3 MS	TS-20	Total/NA	Solid	8270D	269145
480-89112-3 MSD	TS-20	Total/NA	Solid	8270D	269145
LCS 480-269145/2-A	Lab Control Sample	Total/NA	Solid	8270D	269145
MB 480-269145/1-A	Method Blank	Total/NA	Solid	8270D	269145

## GC Semi VOA

### Prep Batch: 268943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89112-1	TS-18	Total/NA	Solid	3550C	
480-89112-1 MS	TS-18	Total/NA	Solid	3550C	
480-89112-1 MSD	TS-18	Total/NA	Solid	3550C	
480-89112-2	TS-19	Total/NA	Solid	3550C	
480-89112-4	TS-21	Total/NA	Solid	3550C	
LCS 480-268943/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 480-268943/1-A	Method Blank	Total/NA	Solid	3550C	

### Analysis Batch: 268999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89112-1	TS-18	Total/NA	Solid	8082A	268943
480-89112-1 MS	TS-18	Total/NA	Solid	8082A	268943
480-89112-1 MSD	TS-18	Total/NA	Solid	8082A	268943
480-89112-2	TS-19	Total/NA	Solid	8082A	268943
480-89112-4	TS-21	Total/NA	Solid	8082A	268943
LCS 480-268943/2-A	Lab Control Sample	Total/NA	Solid	8082A	268943

TestAmerica Buffalo

# QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-89112-1

## GC Semi VOA (Continued)

### Analysis Batch: 268999 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-268943/1-A	Method Blank	Total/NA	Solid	8082A	268943

### Prep Batch: 269148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89112-3	TS-20	Total/NA	Solid	3550C	
480-89112-3 MS	TS-20	Total/NA	Solid	3550C	
480-89112-3 MSD	TS-20	Total/NA	Solid	3550C	
LCS 480-269148/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 480-269148/1-A	Method Blank	Total/NA	Solid	3550C	

### Analysis Batch: 269215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89112-3	TS-20	Total/NA	Solid	8082A	269148
480-89112-3 MS	TS-20	Total/NA	Solid	8082A	269148
480-89112-3 MSD	TS-20	Total/NA	Solid	8082A	269148
LCS 480-269148/2-A	Lab Control Sample	Total/NA	Solid	8082A	269148
MB 480-269148/1-A	Method Blank	Total/NA	Solid	8082A	269148

## Metals

### Prep Batch: 268933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89112-1	TS-18	Total/NA	Solid	7471B	
480-89112-2	TS-19	Total/NA	Solid	7471B	
480-89112-4	TS-21	Total/NA	Solid	7471B	
LCSSRM 480-268933/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 480-268933/1-A	Method Blank	Total/NA	Solid	7471B	

### Prep Batch: 268944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89112-1	TS-18	Total/NA	Solid	3050B	
480-89112-1 MS	TS-18	Total/NA	Solid	3050B	
480-89112-1 MSD	TS-18	Total/NA	Solid	3050B	
480-89112-2	TS-19	Total/NA	Solid	3050B	
480-89112-4	TS-21	Total/NA	Solid	3050B	
LCSSRM 480-268944/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 480-268944/1-A	Method Blank	Total/NA	Solid	3050B	

### Analysis Batch: 269123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89112-1	TS-18	Total/NA	Solid	7471B	268933
480-89112-2	TS-19	Total/NA	Solid	7471B	268933
480-89112-4	TS-21	Total/NA	Solid	7471B	268933
LCSSRM 480-268933/2-A	Lab Control Sample	Total/NA	Solid	7471B	268933
MB 480-268933/1-A	Method Blank	Total/NA	Solid	7471B	268933

### Analysis Batch: 269139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89112-1	TS-18	Total/NA	Solid	6010C	268944
480-89112-1 MS	TS-18	Total/NA	Solid	6010C	268944

TestAmerica Buffalo



# QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-89112-1

## Metals (Continued)

### Analysis Batch: 269139 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89112-1 MSD	TS-18	Total/NA	Solid	6010C	268944
480-89112-2	TS-19	Total/NA	Solid	6010C	268944
480-89112-4	TS-21	Total/NA	Solid	6010C	268944
LCSSRM 480-268944/2-A	Lab Control Sample	Total/NA	Solid	6010C	268944
MB 480-268944/1-A	Method Blank	Total/NA	Solid	6010C	268944

### Prep Batch: 269176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89112-3	TS-20	Total/NA	Solid	7471B	
480-89112-3 MS	TS-20	Total/NA	Solid	7471B	
480-89112-3 MSD	TS-20	Total/NA	Solid	7471B	
LCSSRM 480-269176/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 480-269176/1-A	Method Blank	Total/NA	Solid	7471B	

### Prep Batch: 269194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89112-3	TS-20	Total/NA	Solid	3050B	
480-89112-3 MS	TS-20	Total/NA	Solid	3050B	
480-89112-3 MSD	TS-20	Total/NA	Solid	3050B	
LCSSRM 480-269194/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 480-269194/1-A	Method Blank	Total/NA	Solid	3050B	

### Analysis Batch: 269302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89112-3	TS-20	Total/NA	Solid	7471B	269176
480-89112-3 MS	TS-20	Total/NA	Solid	7471B	269176
480-89112-3 MSD	TS-20	Total/NA	Solid	7471B	269176
LCSSRM 480-269176/2-A	Lab Control Sample	Total/NA	Solid	7471B	269176
MB 480-269176/1-A	Method Blank	Total/NA	Solid	7471B	269176

### Analysis Batch: 269531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89112-3	TS-20	Total/NA	Solid	6010C	269194
480-89112-3 MS	TS-20	Total/NA	Solid	6010C	269194
480-89112-3 MSD	TS-20	Total/NA	Solid	6010C	269194
LCSSRM 480-269194/2-A	Lab Control Sample	Total/NA	Solid	6010C	269194
MB 480-269194/1-A	Method Blank	Total/NA	Solid	6010C	269194

## General Chemistry

### Analysis Batch: 268855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89112-1	TS-18	Total/NA	Solid	Moisture	
480-89112-2	TS-19	Total/NA	Solid	Moisture	
480-89112-3	TS-20	Total/NA	Solid	Moisture	
480-89112-3 MS	TS-20	Total/NA	Solid	Moisture	
480-89112-3 MSD	TS-20	Total/NA	Solid	Moisture	
480-89112-4	TS-21	Total/NA	Solid	Moisture	

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-89112-1

**Client Sample ID: TS-18**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89112-1**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	268855	10/14/15 22:10	CMK	TAL BUF

**Client Sample ID: TS-18**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89112-1**

**Matrix: Solid**

**Percent Solids: 79.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			268902	10/15/15 07:51	CAM	TAL BUF
Total/NA	Analysis	8270D		10	269161	10/16/15 14:11	LMW	TAL BUF
Total/NA	Prep	3550C			268943	10/15/15 09:30	TRG	TAL BUF
Total/NA	Analysis	8082A		1	268999	10/15/15 22:30	KS	TAL BUF
Total/NA	Prep	3050B			268944	10/15/15 11:40	CMM	TAL BUF
Total/NA	Analysis	6010C		1	269139	10/16/15 03:40	AMH	TAL BUF
Total/NA	Prep	7471B			268933	10/15/15 13:20	TAS	TAL BUF
Total/NA	Analysis	7471B		1	269123	10/15/15 15:41	TAS	TAL BUF

**Client Sample ID: TS-19**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89112-2**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	268855	10/14/15 22:10	CMK	TAL BUF

**Client Sample ID: TS-19**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89112-2**

**Matrix: Solid**

**Percent Solids: 82.6**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			268902	10/15/15 07:51	CAM	TAL BUF
Total/NA	Analysis	8270D		10	269161	10/16/15 14:38	LMW	TAL BUF
Total/NA	Prep	3550C			268943	10/15/15 09:30	TRG	TAL BUF
Total/NA	Analysis	8082A		1	268999	10/15/15 22:46	KS	TAL BUF
Total/NA	Prep	3050B			268944	10/15/15 11:40	CMM	TAL BUF
Total/NA	Analysis	6010C		1	269139	10/16/15 03:57	AMH	TAL BUF
Total/NA	Prep	7471B			268933	10/15/15 13:20	TAS	TAL BUF
Total/NA	Analysis	7471B		1	269123	10/15/15 15:43	TAS	TAL BUF

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-89112-1

**Client Sample ID: TS-20**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89112-3**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	268855	10/14/15 22:10	CMK	TAL BUF

**Client Sample ID: TS-20**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89112-3**

**Matrix: Solid**

**Percent Solids: 74.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			269145	10/16/15 08:10	TRG	TAL BUF
Total/NA	Analysis	8270D		10	269526	10/19/15 16:54	CAS	TAL BUF
Total/NA	Prep	3550C			269148	10/16/15 08:13	JLS	TAL BUF
Total/NA	Analysis	8082A		1	269215	10/16/15 13:17	KS	TAL BUF
Total/NA	Prep	3050B			269194	10/16/15 10:50	CMM	TAL BUF
Total/NA	Analysis	6010C		1	269531	10/16/15 21:49	AMH	TAL BUF
Total/NA	Prep	7471B			269176	10/16/15 11:15	TAS	TAL BUF
Total/NA	Analysis	7471B		1	269302	10/16/15 13:32	TAS	TAL BUF

**Client Sample ID: TS-21**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89112-4**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	268855	10/14/15 22:10	CMK	TAL BUF

**Client Sample ID: TS-21**

**Date Collected: 10/14/15 00:00**

**Date Received: 10/14/15 18:00**

**Lab Sample ID: 480-89112-4**

**Matrix: Solid**

**Percent Solids: 74.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			268902	10/15/15 07:51	CAM	TAL BUF
Total/NA	Analysis	8270D		5	269161	10/16/15 15:30	LMW	TAL BUF
Total/NA	Prep	3550C			268943	10/15/15 09:30	TRG	TAL BUF
Total/NA	Analysis	8082A		1	268999	10/15/15 23:18	KS	TAL BUF
Total/NA	Prep	3050B			268944	10/15/15 11:40	CMM	TAL BUF
Total/NA	Analysis	6010C		1	269139	10/16/15 04:13	AMH	TAL BUF
Total/NA	Prep	7471B			268933	10/15/15 13:20	TAS	TAL BUF
Total/NA	Analysis	7471B		1	269123	10/15/15 15:47	TAS	TAL BUF

## Laboratory References:

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

TestAmerica Buffalo

# Certification Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89112-1

## 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	03-31-16

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

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

## Method Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89112-1

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7471B	Mercury (CVAA)	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

# Sample Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89112-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-89112-1	TS-18	Solid	10/14/15 00:00	10/14/15 18:00
480-89112-2	TS-19	Solid	10/14/15 00:00	10/14/15 18:00
480-89112-3	TS-20	Solid	10/14/15 00:00	10/14/15 18:00
480-89112-4	TS-21	Solid	10/14/15 00:00	10/14/15 18:00

## Detection Limit Exceptions Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89112-1

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but great than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedure do not indicate corrective action for detections below the laboratory's PQL.

Method	Matrix	Analyte	Units	Client RL	Lab PQL
6010C	Solid	Silver	mg/Kg	0.50	0.6





## Login Sample Receipt Checklist

Client: Iyer Environmental Group, LLC

Job Number: 480-89112-1

**Login Number: 89112**

**List Number: 1**

**Creator: Kolb, Chris M**

**List Source: TestAmerica Buffalo**

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.	False	
Cooler Temperature is acceptable.	True	Yes: Received same day of collection
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.	False	Refer to job narrative for details
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.	False	Refer to job narrative for details
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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
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	IYER ENV.
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-89839-1

Client Project/Site: 132 Dingens

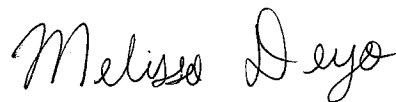
For:

Iyer Environmental Group, LLC

44 Rolling Hills Drive

Orchard Park, New York 14127

Attn: Dr. Dharmarajan R Iyer



Authorized for release by:

10/30/2015 2:26:24 PM

Melissa Deyo, Project Manager I

(716)504-9874

[melissa.deyo@testamericainc.com](mailto:melissa.deyo@testamericainc.com)

### LINKS

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*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.*

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## Definitions/Glossary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89839-1

### Qualifiers

#### 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.

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)

## Case Narrative

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-89839-1

**Job ID: 480-89839-1**

**Laboratory: TestAmerica Buffalo**

### Narrative

#### Job Narrative 480-89839-1

#### Receipt

The samples were received on 10/26/2015 2:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 14.0° C.

#### GC Semi VOA

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

#### Organic Prep

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

## Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-89839-1

### Client Sample ID: CSB-15-3

Lab Sample ID: 480-89839-1

No Detections.

### Client Sample ID: CSW-51-4B

Lab Sample ID: 480-89839-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1248	0.29		0.27	0.054	mg/Kg	1		✳	8082A	Total/NA
PCB-1254	0.16	J	0.27	0.13	mg/Kg	1		✳	8082A	Total/NA

### Client Sample ID: CSW-70-2

Lab Sample ID: 480-89839-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1248	0.77		0.33	0.064	mg/Kg	1		✳	8082A	Total/NA
PCB-1254	0.57		0.33	0.15	mg/Kg	1		✳	8082A	Total/NA
PCB-1260	0.17	J	0.33	0.15	mg/Kg	1		✳	8082A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89839-1

**Client Sample ID: CSB-15-3**

**Date Collected: 10/26/15 14:30**

**Date Received: 10/26/15 14:30**

**Lab Sample ID: 480-89839-1**

**Matrix: Solid**

**Percent Solids: 76.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.32	0.063	mg/Kg	☼	10/28/15 07:52	10/28/15 15:19	1
PCB-1221	ND		0.32	0.063	mg/Kg	☼	10/28/15 07:52	10/28/15 15:19	1
PCB-1232	ND		0.32	0.063	mg/Kg	☼	10/28/15 07:52	10/28/15 15:19	1
PCB-1242	ND		0.32	0.063	mg/Kg	☼	10/28/15 07:52	10/28/15 15:19	1
PCB-1248	ND		0.32	0.063	mg/Kg	☼	10/28/15 07:52	10/28/15 15:19	1
PCB-1254	ND		0.32	0.15	mg/Kg	☼	10/28/15 07:52	10/28/15 15:19	1
PCB-1260	ND		0.32	0.15	mg/Kg	☼	10/28/15 07:52	10/28/15 15:19	1
PCB-1262	ND		0.32	0.15	mg/Kg	☼	10/28/15 07:52	10/28/15 15:19	1
PCB-1268	ND		0.32	0.15	mg/Kg	☼	10/28/15 07:52	10/28/15 15:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	91		60 - 154	10/28/15 07:52	10/28/15 15:19	1
Tetrachloro-m-xylene	93		60 - 154	10/28/15 07:52	10/28/15 15:19	1
DCB Decachlorobiphenyl	86		65 - 174	10/28/15 07:52	10/28/15 15:19	1
DCB Decachlorobiphenyl	91		65 - 174	10/28/15 07:52	10/28/15 15:19	1

**Client Sample ID: CSW-51-4B**

**Date Collected: 10/26/15 14:30**

**Date Received: 10/26/15 14:30**

**Lab Sample ID: 480-89839-2**

**Matrix: Solid**

**Percent Solids: 81.6**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.27	0.054	mg/Kg	☼	10/28/15 07:52	10/28/15 14:20	1
PCB-1221	ND		0.27	0.054	mg/Kg	☼	10/28/15 07:52	10/28/15 14:20	1
PCB-1232	ND		0.27	0.054	mg/Kg	☼	10/28/15 07:52	10/28/15 14:20	1
PCB-1242	ND		0.27	0.054	mg/Kg	☼	10/28/15 07:52	10/28/15 14:20	1
PCB-1248	0.29		0.27	0.054	mg/Kg	☼	10/28/15 07:52	10/28/15 14:20	1
PCB-1254	0.16 J		0.27	0.13	mg/Kg	☼	10/28/15 07:52	10/28/15 14:20	1
PCB-1260	ND		0.27	0.13	mg/Kg	☼	10/28/15 07:52	10/28/15 14:20	1
PCB-1262	ND		0.27	0.13	mg/Kg	☼	10/28/15 07:52	10/28/15 14:20	1
PCB-1268	ND		0.27	0.13	mg/Kg	☼	10/28/15 07:52	10/28/15 14:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	94		60 - 154	10/28/15 07:52	10/28/15 14:20	1
Tetrachloro-m-xylene	95		60 - 154	10/28/15 07:52	10/28/15 14:20	1
DCB Decachlorobiphenyl	91		65 - 174	10/28/15 07:52	10/28/15 14:20	1
DCB Decachlorobiphenyl	89		65 - 174	10/28/15 07:52	10/28/15 14:20	1

**Client Sample ID: CSW-70-2**

**Date Collected: 10/26/15 14:30**

**Date Received: 10/26/15 14:30**

**Lab Sample ID: 480-89839-3**

**Matrix: Solid**

**Percent Solids: 72.0**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.33	0.064	mg/Kg	☼	10/28/15 07:52	10/28/15 15:34	1
PCB-1221	ND		0.33	0.064	mg/Kg	☼	10/28/15 07:52	10/28/15 15:34	1
PCB-1232	ND		0.33	0.064	mg/Kg	☼	10/28/15 07:52	10/28/15 15:34	1
PCB-1242	ND		0.33	0.064	mg/Kg	☼	10/28/15 07:52	10/28/15 15:34	1
PCB-1248	0.77		0.33	0.064	mg/Kg	☼	10/28/15 07:52	10/28/15 15:34	1
PCB-1254	0.57		0.33	0.15	mg/Kg	☼	10/28/15 07:52	10/28/15 15:34	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89839-1

**Client Sample ID: CSW-70-2**

**Lab Sample ID: 480-89839-3**

**Date Collected: 10/26/15 14:30**

**Matrix: Solid**

**Date Received: 10/26/15 14:30**

**Percent Solids: 72.0**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>PCB-1260</b>	<b>0.17</b>	<b>J</b>	0.33	0.15	mg/Kg	☼	10/28/15 07:52	10/28/15 15:34	1
PCB-1262	ND		0.33	0.15	mg/Kg	☼	10/28/15 07:52	10/28/15 15:34	1
PCB-1268	ND		0.33	0.15	mg/Kg	☼	10/28/15 07:52	10/28/15 15:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	89		60 - 154				10/28/15 07:52	10/28/15 15:34	1
Tetrachloro-m-xylene	84		60 - 154				10/28/15 07:52	10/28/15 15:34	1
DCB Decachlorobiphenyl	71		65 - 174				10/28/15 07:52	10/28/15 15:34	1
DCB Decachlorobiphenyl	80		65 - 174				10/28/15 07:52	10/28/15 15:34	1



# Surrogate Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89839-1

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

Matrix: Solid

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX1 (60-154)	TCX2 (60-154)	DCB1 (65-174)	DCB2 (65-174)
480-89839-1	CSB-15-3	91	93	86	91
480-89839-2	CSW-51-4B	94	95	91	89
480-89839-2 MS	CSW-51-4B	100	93	93	94
480-89839-2 MSD	CSW-51-4B	122	106	95	106
480-89839-3	CSW-70-2	89	84	71	80
LCS 480-271532/2-A	Lab Control Sample	131	109	114	116
MB 480-271532/1-A	Method Blank	99	101	101	102

### Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89839-1

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

Lab Sample ID: MB 480-271532/1-A

Matrix: Solid

Analysis Batch: 271611

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 271532

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.21	0.041	mg/Kg		10/28/15 07:52	10/28/15 12:32	1
PCB-1221	ND		0.21	0.041	mg/Kg		10/28/15 07:52	10/28/15 12:32	1
PCB-1232	ND		0.21	0.041	mg/Kg		10/28/15 07:52	10/28/15 12:32	1
PCB-1242	ND		0.21	0.041	mg/Kg		10/28/15 07:52	10/28/15 12:32	1
PCB-1248	ND		0.21	0.041	mg/Kg		10/28/15 07:52	10/28/15 12:32	1
PCB-1254	ND		0.21	0.098	mg/Kg		10/28/15 07:52	10/28/15 12:32	1
PCB-1260	ND		0.21	0.098	mg/Kg		10/28/15 07:52	10/28/15 12:32	1
PCB-1262	ND		0.21	0.098	mg/Kg		10/28/15 07:52	10/28/15 12:32	1
PCB-1268	ND		0.21	0.098	mg/Kg		10/28/15 07:52	10/28/15 12:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	99		60 - 154	10/28/15 07:52	10/28/15 12:32	1
Tetrachloro-m-xylene	101		60 - 154	10/28/15 07:52	10/28/15 12:32	1
DCB Decachlorobiphenyl	101		65 - 174	10/28/15 07:52	10/28/15 12:32	1
DCB Decachlorobiphenyl	102		65 - 174	10/28/15 07:52	10/28/15 12:32	1

Lab Sample ID: LCS 480-271532/2-A

Matrix: Solid

Analysis Batch: 271611

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 271532

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
PCB-1016	2.20	2.65		mg/Kg		120	51 - 185
PCB-1260	2.20	2.69		mg/Kg		122	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	131		60 - 154
Tetrachloro-m-xylene	109		60 - 154
DCB Decachlorobiphenyl	114		65 - 174
DCB Decachlorobiphenyl	116		65 - 174

Lab Sample ID: 480-89839-2 MS

Matrix: Solid

Analysis Batch: 271611

Client Sample ID: CSW-51-4B

Prep Type: Total/NA

Prep Batch: 271532

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
PCB-1016	ND		2.79	2.77		mg/Kg	☼	99	50 - 177
PCB-1260	ND		2.79	2.46		mg/Kg	☼	88	33 - 200

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene	100		60 - 154
Tetrachloro-m-xylene	93		60 - 154
DCB Decachlorobiphenyl	93		65 - 174
DCB Decachlorobiphenyl	94		65 - 174

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-89839-1

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

Lab Sample ID: 480-89839-2 MSD

Matrix: Solid

Analysis Batch: 271611

Client Sample ID: CSW-51-4B

Prep Type: Total/NA

Prep Batch: 271532

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		2.89	3.45		mg/Kg	✱	119	50 - 177	22	50
PCB-1260	ND		2.89	3.17		mg/Kg	✱	110	33 - 200	25	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Tetrachloro-m-xylene	122		60 - 154
Tetrachloro-m-xylene	106		60 - 154
DCB Decachlorobiphenyl	95		65 - 174
DCB Decachlorobiphenyl	106		65 - 174

## QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-89839-1

### GC Semi VOA

#### Prep Batch: 271532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89839-1	CSB-15-3	Total/NA	Solid	3550C	
480-89839-2	CSW-51-4B	Total/NA	Solid	3550C	
480-89839-2 MS	CSW-51-4B	Total/NA	Solid	3550C	
480-89839-2 MSD	CSW-51-4B	Total/NA	Solid	3550C	
480-89839-3	CSW-70-2	Total/NA	Solid	3550C	
LCS 480-271532/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 480-271532/1-A	Method Blank	Total/NA	Solid	3550C	

#### Analysis Batch: 271611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89839-1	CSB-15-3	Total/NA	Solid	8082A	271532
480-89839-2	CSW-51-4B	Total/NA	Solid	8082A	271532
480-89839-2 MS	CSW-51-4B	Total/NA	Solid	8082A	271532
480-89839-2 MSD	CSW-51-4B	Total/NA	Solid	8082A	271532
480-89839-3	CSW-70-2	Total/NA	Solid	8082A	271532
LCS 480-271532/2-A	Lab Control Sample	Total/NA	Solid	8082A	271532
MB 480-271532/1-A	Method Blank	Total/NA	Solid	8082A	271532

### General Chemistry

#### Analysis Batch: 271251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89839-1	CSB-15-3	Total/NA	Solid	Moisture	
480-89839-2	CSW-51-4B	Total/NA	Solid	Moisture	
480-89839-2 MS	CSW-51-4B	Total/NA	Solid	Moisture	
480-89839-2 MSD	CSW-51-4B	Total/NA	Solid	Moisture	
480-89839-3	CSW-70-2	Total/NA	Solid	Moisture	

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89839-1

**Client Sample ID: CSB-15-3**

**Date Collected: 10/26/15 14:30**

**Date Received: 10/26/15 14:30**

**Lab Sample ID: 480-89839-1**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	271251	10/27/15 05:25	CSW	TAL BUF

**Client Sample ID: CSB-15-3**

**Date Collected: 10/26/15 14:30**

**Date Received: 10/26/15 14:30**

**Lab Sample ID: 480-89839-1**

**Matrix: Solid**

**Percent Solids: 76.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			271532	10/28/15 07:52	CAM	TAL BUF
Total/NA	Analysis	8082A		1	271611	10/28/15 15:19	KS	TAL BUF

**Client Sample ID: CSW-51-4B**

**Date Collected: 10/26/15 14:30**

**Date Received: 10/26/15 14:30**

**Lab Sample ID: 480-89839-2**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	271251	10/27/15 05:25	CSW	TAL BUF

**Client Sample ID: CSW-51-4B**

**Date Collected: 10/26/15 14:30**

**Date Received: 10/26/15 14:30**

**Lab Sample ID: 480-89839-2**

**Matrix: Solid**

**Percent Solids: 81.6**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			271532	10/28/15 07:52	CAM	TAL BUF
Total/NA	Analysis	8082A		1	271611	10/28/15 14:20	KS	TAL BUF

**Client Sample ID: CSW-70-2**

**Date Collected: 10/26/15 14:30**

**Date Received: 10/26/15 14:30**

**Lab Sample ID: 480-89839-3**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	271251	10/27/15 05:25	CSW	TAL BUF

**Client Sample ID: CSW-70-2**

**Date Collected: 10/26/15 14:30**

**Date Received: 10/26/15 14:30**

**Lab Sample ID: 480-89839-3**

**Matrix: Solid**

**Percent Solids: 72.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			271532	10/28/15 07:52	CAM	TAL BUF
Total/NA	Analysis	8082A		1	271611	10/28/15 15:34	KS	TAL BUF

## Laboratory References:

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

TestAmerica Buffalo

# Certification Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89839-1

## 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	03-31-16

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

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

## Method Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89839-1

Method	Method Description	Protocol	Laboratory
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	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

## Sample Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-89839-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-89839-1	CSB-15-3	Solid	10/26/15 14:30	10/26/15 14:30
480-89839-2	CSW-51-4B	Solid	10/26/15 14:30	10/26/15 14:30
480-89839-3	CSW-70-2	Solid	10/26/15 14:30	10/26/15 14:30



## Chain of Custody Record

Temperature on Receipt \_\_\_\_\_

## THE LEADER IN ENVIRONMENTAL TESTING

Drinking Water? Yes ☐ No ☐

TAL-4124 (1007)

[illegible]

**DISTRIBUTION:** WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

## Login Sample Receipt Checklist

Client: Iyer Environmental Group, LLC

Job Number: 480-89839-1

Login Number: 89839

List Number: 1

Creator: Janish, Carl M

List Source: TestAmerica Buffalo

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	True	
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	IYER
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	

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-90295-1

Client Project/Site: 132 Dingens

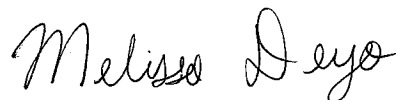
For:

Iyer Environmental Group, LLC

44 Rolling Hills Drive

Orchard Park, New York 14127

Attn: Dr. Dharmarajan R Iyer



Authorized for release by:

11/5/2015 9:59:25 AM

Melissa Deyo, Project Manager I

(716)504-9874

[melissa.deyo@testamericainc.com](mailto:melissa.deyo@testamericainc.com)

### LINKS

Review your project  
results through

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Have a Question?



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

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## Definitions/Glossary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-90295-1

### Qualifiers

#### 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.

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)

## Case Narrative

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-90295-1

**Job ID: 480-90295-1**

**Laboratory: TestAmerica Buffalo**

### Narrative

#### Job Narrative 480-90295-1

#### Receipt

The samples were received on 11/2/2015 2:04 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 16.1° C.

#### GC Semi VOA

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

#### Organic Prep

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

## Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-90295-1

**Client Sample ID: CSW-70-3**

**Lab Sample ID: 480-90295-1**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	0.78		0.31	0.061	mg/Kg	1	☼	8082A	Total/NA
PCB-1254	0.64		0.31	0.14	mg/Kg	1	☼	8082A	Total/NA
PCB-1260	0.17	J	0.31	0.14	mg/Kg	1	☼	8082A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-90295-1

**Client Sample ID: CSW-70-3**

**Date Collected: 11/02/15 00:00**

**Date Received: 11/02/15 14:04**

**Lab Sample ID: 480-90295-1**

**Matrix: Solid**

**Percent Solids: 78.1**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.31	0.061	mg/Kg	☼	11/03/15 08:08	11/03/15 17:15	1
PCB-1221	ND		0.31	0.061	mg/Kg	☼	11/03/15 08:08	11/03/15 17:15	1
PCB-1232	ND		0.31	0.061	mg/Kg	☼	11/03/15 08:08	11/03/15 17:15	1
PCB-1242	ND		0.31	0.061	mg/Kg	☼	11/03/15 08:08	11/03/15 17:15	1
<b>PCB-1248</b>	<b>0.78</b>		0.31	0.061	mg/Kg	☼	11/03/15 08:08	11/03/15 17:15	1
<b>PCB-1254</b>	<b>0.64</b>		0.31	0.14	mg/Kg	☼	11/03/15 08:08	11/03/15 17:15	1
<b>PCB-1260</b>	<b>0.17</b>	<b>J</b>	0.31	0.14	mg/Kg	☼	11/03/15 08:08	11/03/15 17:15	1
PCB-1262	ND		0.31	0.14	mg/Kg	☼	11/03/15 08:08	11/03/15 17:15	1
PCB-1268	ND		0.31	0.14	mg/Kg	☼	11/03/15 08:08	11/03/15 17:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	93		60 - 154				11/03/15 08:08	11/03/15 17:15	1
Tetrachloro-m-xylene	95		60 - 154				11/03/15 08:08	11/03/15 17:15	1
DCB Decachlorobiphenyl	85		65 - 174				11/03/15 08:08	11/03/15 17:15	1
DCB Decachlorobiphenyl	100		65 - 174				11/03/15 08:08	11/03/15 17:15	1

TestAmerica Buffalo



# Surrogate Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-90295-1

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	TCX1 (60-154)	TCX2 (60-154)	DCB1 (65-174)	DCB2 (65-174)
480-90295-1	CSW-70-3	93	95	85	100
480-90295-1 MS	CSW-70-3	118	108	106	122
480-90295-1 MSD	CSW-70-3	119	107	104	121
LCS 480-272710/2-A	Lab Control Sample	120	107	107	113
MB 480-272710/1-A	Method Blank	98	92	95	99

### Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-90295-1

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

Lab Sample ID: MB 480-272710/1-A

Matrix: Solid

Analysis Batch: 272834

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 272710

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.23	0.045	mg/Kg		11/03/15 08:08	11/03/15 16:12	1
PCB-1221	ND		0.23	0.045	mg/Kg		11/03/15 08:08	11/03/15 16:12	1
PCB-1232	ND		0.23	0.045	mg/Kg		11/03/15 08:08	11/03/15 16:12	1
PCB-1242	ND		0.23	0.045	mg/Kg		11/03/15 08:08	11/03/15 16:12	1
PCB-1248	ND		0.23	0.045	mg/Kg		11/03/15 08:08	11/03/15 16:12	1
PCB-1254	ND		0.23	0.11	mg/Kg		11/03/15 08:08	11/03/15 16:12	1
PCB-1260	ND		0.23	0.11	mg/Kg		11/03/15 08:08	11/03/15 16:12	1
PCB-1262	ND		0.23	0.11	mg/Kg		11/03/15 08:08	11/03/15 16:12	1
PCB-1268	ND		0.23	0.11	mg/Kg		11/03/15 08:08	11/03/15 16:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	98		60 - 154	11/03/15 08:08	11/03/15 16:12	1
Tetrachloro-m-xylene	92		60 - 154	11/03/15 08:08	11/03/15 16:12	1
DCB Decachlorobiphenyl	95		65 - 174	11/03/15 08:08	11/03/15 16:12	1
DCB Decachlorobiphenyl	99		65 - 174	11/03/15 08:08	11/03/15 16:12	1

Lab Sample ID: LCS 480-272710/2-A

Matrix: Solid

Analysis Batch: 272834

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 272710

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
PCB-1016	2.39	2.79		mg/Kg		117	51 - 185
PCB-1260	2.39	2.86		mg/Kg		120	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	120		60 - 154
Tetrachloro-m-xylene	107		60 - 154
DCB Decachlorobiphenyl	107		65 - 174
DCB Decachlorobiphenyl	113		65 - 174

Lab Sample ID: 480-90295-1 MS

Matrix: Solid

Analysis Batch: 272834

Client Sample ID: CSW-70-3

Prep Type: Total/NA

Prep Batch: 272710

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
PCB-1016	ND		3.11	4.12		mg/Kg	☼	133	50 - 177
PCB-1260	0.17	J	3.11	3.99		mg/Kg	☼	123	33 - 200

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene	118		60 - 154
Tetrachloro-m-xylene	108		60 - 154
DCB Decachlorobiphenyl	106		65 - 174
DCB Decachlorobiphenyl	122		65 - 174

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-90295-1

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

Lab Sample ID: 480-90295-1 MSD

Matrix: Solid

Analysis Batch: 272834

Client Sample ID: CSW-70-3

Prep Type: Total/NA

Prep Batch: 272710

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		2.90	3.48		mg/Kg	✱	120	50 - 177	17	50
PCB-1260	0.17	J	2.90	3.52		mg/Kg	✱	115	33 - 200	13	50
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Tetrachloro-m-xylene	119		60 - 154								
Tetrachloro-m-xylene	107		60 - 154								
DCB Decachlorobiphenyl	104		65 - 174								
DCB Decachlorobiphenyl	121		65 - 174								

## QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-90295-1

### GC Semi VOA

#### Prep Batch: 272710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-90295-1	CSW-70-3	Total/NA	Solid	3550C	
480-90295-1 MS	CSW-70-3	Total/NA	Solid	3550C	
480-90295-1 MSD	CSW-70-3	Total/NA	Solid	3550C	
LCS 480-272710/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 480-272710/1-A	Method Blank	Total/NA	Solid	3550C	

#### Analysis Batch: 272834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-90295-1	CSW-70-3	Total/NA	Solid	8082A	272710
480-90295-1 MS	CSW-70-3	Total/NA	Solid	8082A	272710
480-90295-1 MSD	CSW-70-3	Total/NA	Solid	8082A	272710
LCS 480-272710/2-A	Lab Control Sample	Total/NA	Solid	8082A	272710
MB 480-272710/1-A	Method Blank	Total/NA	Solid	8082A	272710

### General Chemistry

#### Analysis Batch: 272914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-90295-1	CSW-70-3	Total/NA	Solid	Moisture	
480-90295-1 MS	CSW-70-3	Total/NA	Solid	Moisture	
480-90295-1 MSD	CSW-70-3	Total/NA	Solid	Moisture	

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-90295-1

**Client Sample ID: CSW-70-3**

**Date Collected: 11/02/15 00:00**

**Date Received: 11/02/15 14:04**

**Lab Sample ID: 480-90295-1**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	272914	11/03/15 22:30	CMK	TAL BUF

**Client Sample ID: CSW-70-3**

**Date Collected: 11/02/15 00:00**

**Date Received: 11/02/15 14:04**

**Lab Sample ID: 480-90295-1**

**Matrix: Solid**

**Percent Solids: 78.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			272710	11/03/15 08:08	TRG	TAL BUF
Total/NA	Analysis	8082A		1	272834	11/03/15 17:15	KS	TAL BUF

## Laboratory References:

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

# Certification Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-90295-1

## 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	03-31-16

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

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

## Method Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-90295-1

Method	Method Description	Protocol	Laboratory
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	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

## Sample Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-90295-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-90295-1	CSW-70-3	Solid	11/02/15 00:00	11/02/15 14:04

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15



## Chain of Custody Record

Temperature on Receipt \_\_\_\_\_

**THE LEADER IN ENVIRONMENTAL TESTING**

Drinking Water? Yes ☐ No ☒

ITAL-4124 (1007)

[illegible]

**DISTRIBUTION:** WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

## Login Sample Receipt Checklist

Client: Iyer Environmental Group, LLC

Job Number: 480-90295-1

Login Number: 90295

List Number: 1

Creator: Janish, Carl M

List Source: TestAmerica Buffalo

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.	N/A	
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	True	
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	IYER
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	

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-90293-1

Client Project/Site: 132 Dingens

For:

Iyer Environmental Group, LLC

44 Rolling Hills Drive

Orchard Park, New York 14127

Attn: Dr. Dharmarajan R Iyer



Authorized for release by:

11/16/2015 1:53:43 PM

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## Definitions/Glossary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-90293-1

### 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.

#### 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.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
B	Compound was found in the blank and sample.

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)

# Case Narrative

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-90293-1

**Job ID: 480-90293-1**

**Laboratory: TestAmerica Buffalo**

## Narrative

### Job Narrative 480-90293-1

#### Receipt

The sample was received on 11/2/2015 2:04 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 16.1° C.

#### GC/MS VOA

Method(s) 8260C: Reported analyte concentrations in the following samples are below 200 ug/kg and may be biased low due to the samples not being collected according to 5035-L/5035A-L low-level specifications: BFS-1 (480-90293-1).

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

#### GC/MS Semi VOA

Method(s) 8270D: The following samples were diluted due to appearance and viscosity: BFS-1 (480-90293-1). Elevated reporting limits (RL) are provided.

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

#### GC Semi VOA

Method(s) 8081B: The continuing calibration verification (CCV) associated with batch 480-273255 recovered above the upper control limit for Endosulfan I and Endrin. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: BFS-1 (480-90293-1).

Method(s) 8081B: All primary data is reported from the RTX-CLP-II column.

Method(s) 8082A: All primary data is reported from the ZB-35 column.

Method(s) 8151A: All primary data is reported from the RTX-CLP-I column.

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

#### Metals

Method(s) 6010C: The low level continuing calibration verification (CCVL 480-273495/51) recovered above the upper control limit for total Manganese. The sample BFS-1 (480-90293-1) associated with this CCVL were either ND or less than the reporting limit (RL) 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) 6010C: The following sample was diluted due to the presence of total Calcium which interferes with total Copper: BFS-1 (480-90293-1). Elevated reporting limits (RLs) are provided.

Method(s) 6010C: The continuing calibration blank (CCB 480-273495/50) for analytical batch 480-273495 contained total Manganese above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of sample BFS-1 (480-90293-1) was not performed.

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

#### General Chemistry

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

#### Organic Prep

Method(s) 3550C: The following sample required a Florisil clean-up, via EPA Method 3620C, to reduce matrix interferences: BFS-1 (480-90293-1).

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

## Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-90293-1

Client Sample ID: BFS-1

Lab Sample ID: 480-90293-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.35	J	4.8	0.30	ug/Kg	1		8260C	Total/NA
Arsenic	2.2		2.0	0.40	mg/Kg	1		6010C	Total/NA
Barium	14.8		0.50	0.11	mg/Kg	1		6010C	Total/NA
Beryllium	0.13	J	0.20	0.028	mg/Kg	1		6010C	Total/NA
Cadmium	0.75		0.20	0.030	mg/Kg	1		6010C	Total/NA
Copper	3.3		2.0	0.42	mg/Kg	2		6010C	Total/NA
Lead	82.8		0.99	0.24	mg/Kg	1		6010C	Total/NA
Manganese	441	B ^	0.20	0.032	mg/Kg	1		6010C	Total/NA
Nickel	4.3	J	5.0	0.23	mg/Kg	1		6010C	Total/NA
Zinc	133		2.0	0.63	mg/Kg	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo



# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-90293-1

**Client Sample ID: BFS-1**  
**Date Collected: 11/02/15 00:00**  
**Date Received: 11/02/15 14:04**

**Lab Sample ID: 480-90293-1**  
**Matrix: Solid**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.8	0.35	ug/Kg		11/03/15 23:21	11/04/15 09:44	1
1,1-Dichloroethane	ND		4.8	0.59	ug/Kg		11/03/15 23:21	11/04/15 09:44	1
1,1-Dichloroethene	ND		4.8	0.59	ug/Kg		11/03/15 23:21	11/04/15 09:44	1
1,2-Dichlorobenzene	ND		4.8	0.38	ug/Kg		11/03/15 23:21	11/04/15 09:44	1
1,2-Dichloroethane	ND		4.8	0.24	ug/Kg		11/03/15 23:21	11/04/15 09:44	1
1,2-Dichloroethene, cis-	ND		4.8	0.62	ug/Kg		11/03/15 23:21	11/04/15 09:44	1
1,2-Dichloroethene, trans-	ND		4.8	0.50	ug/Kg		11/03/15 23:21	11/04/15 09:44	1
1,3-Dichlorobenzene	ND		4.8	0.25	ug/Kg		11/03/15 23:21	11/04/15 09:44	1
1,4-Dichlorobenzene	ND		4.8	0.67	ug/Kg		11/03/15 23:21	11/04/15 09:44	1
1,4-Dioxane	ND		96	21	ug/Kg		11/03/15 23:21	11/04/15 09:44	1
Acetone	ND		24	4.0	ug/Kg		11/03/15 23:21	11/04/15 09:44	1
Benzene	ND		4.8	0.24	ug/Kg		11/03/15 23:21	11/04/15 09:44	1
Butylbenzene	ND		4.8	0.42	ug/Kg		11/03/15 23:21	11/04/15 09:44	1
Carbon tetrachloride	ND		4.8	0.47	ug/Kg		11/03/15 23:21	11/04/15 09:44	1
Chlorobenzene	ND		4.8	0.63	ug/Kg		11/03/15 23:21	11/04/15 09:44	1
Chloroform	0.35	J	4.8	0.30	ug/Kg		11/03/15 23:21	11/04/15 09:44	1
Ethylbenzene	ND		4.8	0.33	ug/Kg		11/03/15 23:21	11/04/15 09:44	1
Methyl Ethyl Ketone	ND		24	1.8	ug/Kg		11/03/15 23:21	11/04/15 09:44	1
Methyl tert-butyl ether	ND		4.8	0.47	ug/Kg		11/03/15 23:21	11/04/15 09:44	1
Methylene Chloride	ND		4.8	2.2	ug/Kg		11/03/15 23:21	11/04/15 09:44	1
Propylbenzene, n-	ND		4.8	0.38	ug/Kg		11/03/15 23:21	11/04/15 09:44	1
sec-Butylbenzene	ND		4.8	0.42	ug/Kg		11/03/15 23:21	11/04/15 09:44	1
tert-Butylbenzene	ND		4.8	0.50	ug/Kg		11/03/15 23:21	11/04/15 09:44	1
Tetrachloroethene	ND		4.8	0.65	ug/Kg		11/03/15 23:21	11/04/15 09:44	1
Toluene	ND		4.8	0.36	ug/Kg		11/03/15 23:21	11/04/15 09:44	1
Trichloroethene	ND		4.8	1.1	ug/Kg		11/03/15 23:21	11/04/15 09:44	1
Trimethylbenzene, 1,2,4-	ND		4.8	0.92	ug/Kg		11/03/15 23:21	11/04/15 09:44	1
Trimethylbenzene, 1,3,5-	ND		4.8	0.31	ug/Kg		11/03/15 23:21	11/04/15 09:44	1
Vinyl chloride	ND		4.8	0.59	ug/Kg		11/03/15 23:21	11/04/15 09:44	1
Xylene (mixed)	ND		9.6	0.81	ug/Kg		11/03/15 23:21	11/04/15 09:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		64 - 126	11/03/15 23:21	11/04/15 09:44	1
4-Bromofluorobenzene (Surr)	99		72 - 126	11/03/15 23:21	11/04/15 09:44	1
Toluene-d8 (Surr)	102		71 - 125	11/03/15 23:21	11/04/15 09:44	1
Dibromofluoromethane (Surr)	101		60 - 140	11/03/15 23:21	11/04/15 09:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		840	120	ug/Kg		11/03/15 07:59	11/04/15 16:30	5
Acenaphthylene	ND		840	110	ug/Kg		11/03/15 07:59	11/04/15 16:30	5
Anthracene	ND		840	210	ug/Kg		11/03/15 07:59	11/04/15 16:30	5
Benzo(a)anthracene	ND		840	84	ug/Kg		11/03/15 07:59	11/04/15 16:30	5
Benzo(a)pyrene	ND		840	120	ug/Kg		11/03/15 07:59	11/04/15 16:30	5
Benzo(b)fluoranthene	ND		840	130	ug/Kg		11/03/15 07:59	11/04/15 16:30	5
Benzo(g,h,i)perylene	ND		840	89	ug/Kg		11/03/15 07:59	11/04/15 16:30	5
Benzo(k)fluoranthene	ND		840	110	ug/Kg		11/03/15 07:59	11/04/15 16:30	5
Chrysene	ND		840	190	ug/Kg		11/03/15 07:59	11/04/15 16:30	5
Dibenz(a,h)anthracene	ND		840	150	ug/Kg		11/03/15 07:59	11/04/15 16:30	5
Dibenzofuran	ND		840	99	ug/Kg		11/03/15 07:59	11/04/15 16:30	5

TestAmerica Buffalo



# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-90293-1

**Client Sample ID: BFS-1**

**Date Collected: 11/02/15 00:00**

**Date Received: 11/02/15 14:04**

**Lab Sample ID: 480-90293-1**

**Matrix: Solid**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		840	89	ug/Kg		11/03/15 07:59	11/04/15 16:30	5
Fluorene	ND		840	99	ug/Kg		11/03/15 07:59	11/04/15 16:30	5
Hexachlorobenzene	ND		840	110	ug/Kg		11/03/15 07:59	11/04/15 16:30	5
Indeno(1,2,3-cd)pyrene	ND		840	100	ug/Kg		11/03/15 07:59	11/04/15 16:30	5
Naphthalene	ND		840	110	ug/Kg		11/03/15 07:59	11/04/15 16:30	5
o-Cresol	ND		840	99	ug/Kg		11/03/15 07:59	11/04/15 16:30	5
p-Cresol	ND		1600	99	ug/Kg		11/03/15 07:59	11/04/15 16:30	5
Pentachlorophenol	ND		1600	840	ug/Kg		11/03/15 07:59	11/04/15 16:30	5
Phenanthrene	ND		840	120	ug/Kg		11/03/15 07:59	11/04/15 16:30	5
Phenol	ND		840	130	ug/Kg		11/03/15 07:59	11/04/15 16:30	5
Pyrene	ND		840	99	ug/Kg		11/03/15 07:59	11/04/15 16:30	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	94		39 - 146	11/03/15 07:59	11/04/15 16:30	5
2-Fluorobiphenyl	96		37 - 120	11/03/15 07:59	11/04/15 16:30	5
2-Fluorophenol	83		18 - 120	11/03/15 07:59	11/04/15 16:30	5
Nitrobenzene-d5	82		34 - 132	11/03/15 07:59	11/04/15 16:30	5
Phenol-d5	86		11 - 120	11/03/15 07:59	11/04/15 16:30	5
p-Terphenyl-d14 (Surr)	108		65 - 153	11/03/15 07:59	11/04/15 16:30	5

## Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		8.2	1.6	ug/Kg		11/03/15 08:04	11/05/15 12:44	5
4,4'-DDE	ND		8.2	1.7	ug/Kg		11/03/15 08:04	11/05/15 12:44	5
4,4'-DDT	ND		8.2	1.9	ug/Kg		11/03/15 08:04	11/05/15 12:44	5
Aldrin	ND		8.2	2.0	ug/Kg		11/03/15 08:04	11/05/15 12:44	5
alpha-BHC	ND		8.2	1.5	ug/Kg		11/03/15 08:04	11/05/15 12:44	5
beta-BHC	ND		8.2	1.5	ug/Kg		11/03/15 08:04	11/05/15 12:44	5
Chlordane (.alpha.)	ND		8.2	4.1	ug/Kg		11/03/15 08:04	11/05/15 12:44	5
delta-BHC	ND		8.2	1.5	ug/Kg		11/03/15 08:04	11/05/15 12:44	5
Dieldrin	ND		8.2	2.0	ug/Kg		11/03/15 08:04	11/05/15 12:44	5
Endosulfan I	ND		8.2	1.6	ug/Kg		11/03/15 08:04	11/05/15 12:44	5
Endosulfan II	ND		8.2	1.5	ug/Kg		11/03/15 08:04	11/05/15 12:44	5
Endosulfan sulfate	ND		8.2	1.5	ug/Kg		11/03/15 08:04	11/05/15 12:44	5
Endrin	ND		8.2	1.6	ug/Kg		11/03/15 08:04	11/05/15 12:44	5
Heptachlor	ND		8.2	1.8	ug/Kg		11/03/15 08:04	11/05/15 12:44	5
Lindane	ND		8.2	1.5	ug/Kg		11/03/15 08:04	11/05/15 12:44	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	44		32 - 136	11/03/15 08:04	11/05/15 12:44	5
DCB Decachlorobiphenyl	98		32 - 136	11/03/15 08:04	11/05/15 12:44	5
Tetrachloro-m-xylene	76		30 - 124	11/03/15 08:04	11/05/15 12:44	5
Tetrachloro-m-xylene	86		30 - 124	11/03/15 08:04	11/05/15 12:44	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.20	0.039	mg/Kg		11/03/15 08:08	11/03/15 18:39	1
PCB-1221	ND		0.20	0.039	mg/Kg		11/03/15 08:08	11/03/15 18:39	1
PCB-1232	ND		0.20	0.039	mg/Kg		11/03/15 08:08	11/03/15 18:39	1
PCB-1242	ND		0.20	0.039	mg/Kg		11/03/15 08:08	11/03/15 18:39	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-90293-1

**Client Sample ID: BFS-1**

**Date Collected: 11/02/15 00:00**

**Date Received: 11/02/15 14:04**

**Lab Sample ID: 480-90293-1**

**Matrix: Solid**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	ND		0.20	0.039	mg/Kg	-	11/03/15 08:08	11/03/15 18:39	1
PCB-1254	ND		0.20	0.093	mg/Kg	-	11/03/15 08:08	11/03/15 18:39	1
PCB-1260	ND		0.20	0.093	mg/Kg	-	11/03/15 08:08	11/03/15 18:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	98		60 - 154	11/03/15 08:08	11/03/15 18:39	1
Tetrachloro-m-xylene	88		60 - 154	11/03/15 08:08	11/03/15 18:39	1
DCB Decachlorobiphenyl	90		65 - 174	11/03/15 08:08	11/03/15 18:39	1
DCB Decachlorobiphenyl	99		65 - 174	11/03/15 08:08	11/03/15 18:39	1

## Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-TP (Silvex)	ND		16	5.8	ug/Kg	-	11/06/15 13:11	11/09/15 19:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	79		28 - 129	11/06/15 13:11	11/09/15 19:34	1
DCAA	75		28 - 129	11/06/15 13:11	11/09/15 19:34	1

## Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.2		2.0	0.40	mg/Kg	-	11/04/15 12:07	11/06/15 02:33	1
Barium	14.8		0.50	0.11	mg/Kg	-	11/04/15 12:07	11/06/15 02:33	1
Beryllium	0.13	J	0.20	0.028	mg/Kg	-	11/04/15 12:07	11/06/15 02:33	1
Cadmium	0.75		0.20	0.030	mg/Kg	-	11/04/15 12:07	11/06/15 02:33	1
Copper	3.3		2.0	0.42	mg/Kg	-	11/04/15 12:07	11/06/15 11:39	2
Lead	82.8		0.99	0.24	mg/Kg	-	11/04/15 12:07	11/06/15 02:33	1
Manganese	441	B ^	0.20	0.032	mg/Kg	-	11/04/15 12:07	11/06/15 02:33	1
Nickel	4.3	J	5.0	0.23	mg/Kg	-	11/04/15 12:07	11/06/15 02:33	1
Selenium	ND		4.0	0.40	mg/Kg	-	11/04/15 12:07	11/06/15 02:33	1
Silver	ND		0.59	0.20	mg/Kg	-	11/04/15 12:07	11/06/15 02:33	1
Zinc	133		2.0	0.63	mg/Kg	-	11/04/15 12:07	11/06/15 02:33	1

## Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.0080	mg/Kg	-	11/05/15 14:05	11/05/15 17:06	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.94	0.45	mg/Kg	-	11/12/15 14:26	11/13/15 11:43	1

# Surrogate Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-90293-1

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (64-126)	BFB (72-126)	TOL (71-125)	DBFM (60-140)
480-90293-1	BFS-1	100	99	102	101
LCS 480-272919/1-A	Lab Control Sample	95	98	101	100
LCSD 480-272919/2-A	Lab Control Sample Dup	95	97	100	98
MB 480-272919/3-A	Method Blank	100	97	103	102

### Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (39-146)	FBP (37-120)	2FP (18-120)	NBZ (34-132)	PHL (11-120)	TPH (65-153)
480-90293-1	BFS-1	94	96	83	82	86	108
LCS 480-272706/2-A	Lab Control Sample	100	86	66	73	67	98
MB 480-272706/1-A	Method Blank	93	89	74	79	73	96

### Surrogate Legend

TBP = 2,4,6-Tribromophenol

FBP = 2-Fluorobiphenyl

2FP = 2-Fluorophenol

NBZ = Nitrobenzene-d5

PHL = Phenol-d5

TPH = p-Terphenyl-d14 (Surr)

## Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCB1 (32-136)	DCB2 (32-136)	TCX1 (30-124)	TCX2 (30-124)
480-90293-1	BFS-1	44	98	76	86
LCS 480-272709/2-A	Lab Control Sample	70	85	70	62
MB 480-272709/1-A	Method Blank	70	85	78	64

### Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TCX1 (60-154)	TCX2 (60-154)	DCB1 (65-174)	DCB2 (65-174)
480-90293-1	BFS-1	98	88	90	99

TestAmerica Buffalo

# Surrogate Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-90293-1

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

Matrix: Solid

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX1 (60-154)	TCX2 (60-154)	DCB1 (65-174)	DCB2 (65-174)
LCS 480-272710/2-A	Lab Control Sample	120	107	107	113
MB 480-272710/1-A	Method Blank	98	92	95	99

### Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

## Method: 8151A - Herbicides (GC)

Matrix: Solid

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCPA1 (28-129)	DCPA2 (28-129)
480-90293-1	BFS-1	79	75
LCS 480-273595/2-A	Lab Control Sample	87	93
LCSD 480-273595/3-A	Lab Control Sample Dup	87	88
MB 480-273595/1-A	Method Blank	79	76

### Surrogate Legend

DCPA = DCAA

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-90293-1

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

Lab Sample ID: MB 480-272919/3-A

Matrix: Solid

Analysis Batch: 272908

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 272919

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		11/03/15 23:21	11/04/15 04:45	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		11/03/15 23:21	11/04/15 04:45	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		11/03/15 23:21	11/04/15 04:45	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		11/03/15 23:21	11/04/15 04:45	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		11/03/15 23:21	11/04/15 04:45	1
1,2-Dichloroethene, cis-	ND		5.0	0.64	ug/Kg		11/03/15 23:21	11/04/15 04:45	1
1,2-Dichloroethene, trans-	ND		5.0	0.51	ug/Kg		11/03/15 23:21	11/04/15 04:45	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		11/03/15 23:21	11/04/15 04:45	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		11/03/15 23:21	11/04/15 04:45	1
1,4-Dioxane	ND		100	22	ug/Kg		11/03/15 23:21	11/04/15 04:45	1
Acetone	ND		25	4.2	ug/Kg		11/03/15 23:21	11/04/15 04:45	1
Benzene	ND		5.0	0.24	ug/Kg		11/03/15 23:21	11/04/15 04:45	1
Butylbenzene	ND		5.0	0.43	ug/Kg		11/03/15 23:21	11/04/15 04:45	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		11/03/15 23:21	11/04/15 04:45	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		11/03/15 23:21	11/04/15 04:45	1
Chloroform	ND		5.0	0.31	ug/Kg		11/03/15 23:21	11/04/15 04:45	1
Ethylbenzene	ND		5.0	0.34	ug/Kg		11/03/15 23:21	11/04/15 04:45	1
Methyl Ethyl Ketone	ND		25	1.8	ug/Kg		11/03/15 23:21	11/04/15 04:45	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		11/03/15 23:21	11/04/15 04:45	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		11/03/15 23:21	11/04/15 04:45	1
Propylbenzene, n-	ND		5.0	0.40	ug/Kg		11/03/15 23:21	11/04/15 04:45	1
sec-Butylbenzene	ND		5.0	0.43	ug/Kg		11/03/15 23:21	11/04/15 04:45	1
tert-Butylbenzene	ND		5.0	0.52	ug/Kg		11/03/15 23:21	11/04/15 04:45	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		11/03/15 23:21	11/04/15 04:45	1
Toluene	ND		5.0	0.38	ug/Kg		11/03/15 23:21	11/04/15 04:45	1
Trichloroethene	ND		5.0	1.1	ug/Kg		11/03/15 23:21	11/04/15 04:45	1
Trimethylbenzene, 1,2,4-	ND		5.0	0.96	ug/Kg		11/03/15 23:21	11/04/15 04:45	1
Trimethylbenzene, 1,3,5-	ND		5.0	0.32	ug/Kg		11/03/15 23:21	11/04/15 04:45	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		11/03/15 23:21	11/04/15 04:45	1
Xylene (mixed)	ND		10	0.84	ug/Kg		11/03/15 23:21	11/04/15 04:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		64 - 126	11/03/15 23:21	11/04/15 04:45	1
4-Bromofluorobenzene (Surr)	97		72 - 126	11/03/15 23:21	11/04/15 04:45	1
Toluene-d8 (Surr)	103		71 - 125	11/03/15 23:21	11/04/15 04:45	1
Dibromofluoromethane (Surr)	102		60 - 140	11/03/15 23:21	11/04/15 04:45	1

Lab Sample ID: LCS 480-272919/1-A

Matrix: Solid

Analysis Batch: 272908

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 272919

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1,1-Dichloroethane	49.9	44.6		ug/Kg		89	73 - 126
1,1-Dichloroethene	49.9	45.7		ug/Kg		92	59 - 125
1,2-Dichlorobenzene	49.9	46.6		ug/Kg		93	75 - 120
1,2-Dichloroethane	49.9	43.8		ug/Kg		88	77 - 122
1,2-Dichloroethene, cis-	49.9	47.4		ug/Kg		95	81 - 117
1,2-Dichloroethene, trans-	49.9	46.9		ug/Kg		94	78 - 126

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-90293-1

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

Lab Sample ID: LCS 480-272919/1-A

Matrix: Solid

Analysis Batch: 272908

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 272919

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	49.9	46.5		ug/Kg		93	79 - 127
Chlorobenzene	49.9	48.0		ug/Kg		96	76 - 124
Ethylbenzene	49.9	47.3		ug/Kg		95	80 - 120
Methyl tert-butyl ether	49.9	47.3		ug/Kg		95	63 - 125
Tetrachloroethene	49.9	47.3		ug/Kg		95	74 - 122
Toluene	49.9	51.2		ug/Kg		103	74 - 128
Trichloroethene	49.9	46.9		ug/Kg		94	77 - 129
Trimethylbenzene, 1,2,4-	49.9	46.9		ug/Kg		94	74 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		64 - 126
4-Bromofluorobenzene (Surr)	98		72 - 126
Toluene-d8 (Surr)	101		71 - 125
Dibromofluoromethane (Surr)	100		60 - 140

Lab Sample ID: LCSD 480-272919/2-A

Matrix: Solid

Analysis Batch: 272908

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 272919

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	49.5	43.6		ug/Kg		88	73 - 126	2	20
1,1-Dichloroethene	49.5	43.1		ug/Kg		87	59 - 125	6	20
1,2-Dichlorobenzene	49.5	45.6		ug/Kg		92	75 - 120	2	20
1,2-Dichloroethane	49.5	43.1		ug/Kg		87	77 - 122	2	20
1,2-Dichloroethene, cis-	49.5	45.5		ug/Kg		92	81 - 117	4	20
1,2-Dichloroethene, trans-	49.5	44.8		ug/Kg		90	78 - 126	5	20
Benzene	49.5	45.0		ug/Kg		91	79 - 127	3	20
Chlorobenzene	49.5	46.0		ug/Kg		93	76 - 124	4	20
Ethylbenzene	49.5	45.0		ug/Kg		91	80 - 120	5	20
Methyl tert-butyl ether	49.5	47.3		ug/Kg		95	63 - 125	0	20
Tetrachloroethene	49.5	44.5		ug/Kg		90	74 - 122	6	20
Toluene	49.5	46.4		ug/Kg		94	74 - 128	10	20
Trichloroethene	49.5	44.9		ug/Kg		91	77 - 129	4	20
Trimethylbenzene, 1,2,4-	49.5	45.1		ug/Kg		91	74 - 120	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		64 - 126
4-Bromofluorobenzene (Surr)	97		72 - 126
Toluene-d8 (Surr)	100		71 - 125
Dibromofluoromethane (Surr)	98		60 - 140

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-90293-1

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

Lab Sample ID: MB 480-272706/1-A

Matrix: Solid

Analysis Batch: 272963

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 272706

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		170	25	ug/Kg		11/03/15 07:59	11/04/15 09:56	1
Acenaphthylene	ND		170	22	ug/Kg		11/03/15 07:59	11/04/15 09:56	1
Anthracene	ND		170	42	ug/Kg		11/03/15 07:59	11/04/15 09:56	1
Benzo(a)anthracene	ND		170	17	ug/Kg		11/03/15 07:59	11/04/15 09:56	1
Benzo(a)pyrene	ND		170	25	ug/Kg		11/03/15 07:59	11/04/15 09:56	1
Benzo(b)fluoranthene	ND		170	27	ug/Kg		11/03/15 07:59	11/04/15 09:56	1
Benzo(g,h,i)perylene	ND		170	18	ug/Kg		11/03/15 07:59	11/04/15 09:56	1
Benzo(k)fluoranthene	ND		170	22	ug/Kg		11/03/15 07:59	11/04/15 09:56	1
Chrysene	ND		170	38	ug/Kg		11/03/15 07:59	11/04/15 09:56	1
Dibenz(a,h)anthracene	ND		170	30	ug/Kg		11/03/15 07:59	11/04/15 09:56	1
Dibenzofuran	ND		170	20	ug/Kg		11/03/15 07:59	11/04/15 09:56	1
Fluoranthene	ND		170	18	ug/Kg		11/03/15 07:59	11/04/15 09:56	1
Fluorene	ND		170	20	ug/Kg		11/03/15 07:59	11/04/15 09:56	1
Hexachlorobenzene	ND		170	23	ug/Kg		11/03/15 07:59	11/04/15 09:56	1
Indeno(1,2,3-cd)pyrene	ND		170	21	ug/Kg		11/03/15 07:59	11/04/15 09:56	1
Naphthalene	ND		170	22	ug/Kg		11/03/15 07:59	11/04/15 09:56	1
o-Cresol	ND		170	20	ug/Kg		11/03/15 07:59	11/04/15 09:56	1
p-Cresol	ND		330	20	ug/Kg		11/03/15 07:59	11/04/15 09:56	1
Pentachlorophenol	ND		330	170	ug/Kg		11/03/15 07:59	11/04/15 09:56	1
Phenanthrene	ND		170	25	ug/Kg		11/03/15 07:59	11/04/15 09:56	1
Phenol	ND		170	26	ug/Kg		11/03/15 07:59	11/04/15 09:56	1
Pyrene	ND		170	20	ug/Kg		11/03/15 07:59	11/04/15 09:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	93		39 - 146	11/03/15 07:59	11/04/15 09:56	1
2-Fluorobiphenyl	89		37 - 120	11/03/15 07:59	11/04/15 09:56	1
2-Fluorophenol	74		18 - 120	11/03/15 07:59	11/04/15 09:56	1
Nitrobenzene-d5	79		34 - 132	11/03/15 07:59	11/04/15 09:56	1
Phenol-d5	73		11 - 120	11/03/15 07:59	11/04/15 09:56	1
p-Terphenyl-d14 (Surr)	96		65 - 153	11/03/15 07:59	11/04/15 09:56	1

Lab Sample ID: LCS 480-272706/2-A

Matrix: Solid

Analysis Batch: 272963

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 272706

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1640	1380		ug/Kg		84	53 - 120
Fluorene	1640	1410		ug/Kg		86	63 - 126
p-Cresol	1640	1110		ug/Kg		67	50 - 119
Pentachlorophenol	3290	3210		ug/Kg		98	33 - 136
Phenol	1640	1060		ug/Kg		65	36 - 120
Pyrene	1640	1640		ug/Kg		100	51 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	100		39 - 146
2-Fluorobiphenyl	86		37 - 120
2-Fluorophenol	66		18 - 120

TestAmerica Buffalo



# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-90293-1

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

Lab Sample ID: LCS 480-272706/2-A

Matrix: Solid

Analysis Batch: 272963

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 272706

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	73		34 - 132
Phenol-d5	67		11 - 120
p-Terphenyl-d14 (Surr)	98		65 - 153

## Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-272709/1-A

Matrix: Solid

Analysis Batch: 273016

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 272709

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.32	ug/Kg		11/03/15 08:04	11/04/15 10:41	1
4,4'-DDE	ND		1.7	0.35	ug/Kg		11/03/15 08:04	11/04/15 10:41	1
4,4'-DDT	ND		1.7	0.39	ug/Kg		11/03/15 08:04	11/04/15 10:41	1
Aldrin	ND		1.7	0.41	ug/Kg		11/03/15 08:04	11/04/15 10:41	1
alpha-BHC	ND		1.7	0.30	ug/Kg		11/03/15 08:04	11/04/15 10:41	1
beta-BHC	ND		1.7	0.30	ug/Kg		11/03/15 08:04	11/04/15 10:41	1
Chlordane (.alpha.)	ND		1.7	0.82	ug/Kg		11/03/15 08:04	11/04/15 10:41	1
delta-BHC	ND		1.7	0.31	ug/Kg		11/03/15 08:04	11/04/15 10:41	1
Dieldrin	ND		1.7	0.40	ug/Kg		11/03/15 08:04	11/04/15 10:41	1
Endosulfan I	ND		1.7	0.32	ug/Kg		11/03/15 08:04	11/04/15 10:41	1
Endosulfan II	ND		1.7	0.30	ug/Kg		11/03/15 08:04	11/04/15 10:41	1
Endosulfan sulfate	ND		1.7	0.31	ug/Kg		11/03/15 08:04	11/04/15 10:41	1
Endrin	ND		1.7	0.33	ug/Kg		11/03/15 08:04	11/04/15 10:41	1
Heptachlor	ND		1.7	0.36	ug/Kg		11/03/15 08:04	11/04/15 10:41	1
Lindane	ND		1.7	0.30	ug/Kg		11/03/15 08:04	11/04/15 10:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	70		32 - 136	11/03/15 08:04	11/04/15 10:41	1
DCB Decachlorobiphenyl	85		32 - 136	11/03/15 08:04	11/04/15 10:41	1
Tetrachloro-m-xylene	78		30 - 124	11/03/15 08:04	11/04/15 10:41	1
Tetrachloro-m-xylene	64		30 - 124	11/03/15 08:04	11/04/15 10:41	1

Lab Sample ID: LCS 480-272709/2-A

Matrix: Solid

Analysis Batch: 273016

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 272709

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	16.6	14.6		ug/Kg		88	52 - 138
4,4'-DDE	16.6	13.1		ug/Kg		79	52 - 131
4,4'-DDT	16.6	14.1		ug/Kg		85	50 - 131
Aldrin	16.6	11.8		ug/Kg		71	35 - 120
alpha-BHC	16.6	11.0		ug/Kg		66	49 - 120
beta-BHC	16.6	11.5		ug/Kg		69	52 - 127
Chlordane (.alpha.)	16.6	12.5		ug/Kg		76	40 - 133
delta-BHC	16.6	12.5		ug/Kg		75	45 - 123
Dieldrin	16.6	14.1		ug/Kg		85	50 - 131

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# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-90293-1

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 480-272709/2-A

Matrix: Solid

Analysis Batch: 273016

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 272709

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Endosulfan I	16.6	11.6		ug/Kg		70	43 - 121
Endosulfan II	16.6	13.3		ug/Kg		80	48 - 134
Endosulfan sulfate	16.6	13.4		ug/Kg		81	46 - 144
Endrin	16.6	14.7		ug/Kg		89	46 - 134
Heptachlor	16.6	13.1		ug/Kg		79	51 - 121
Lindane	16.6	11.9		ug/Kg		72	50 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	70		32 - 136
DCB Decachlorobiphenyl	85		32 - 136
Tetrachloro-m-xylene	70		30 - 124
Tetrachloro-m-xylene	62		30 - 124

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

Lab Sample ID: MB 480-272710/1-A

Matrix: Solid

Analysis Batch: 272834

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 272710

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.23	0.045	mg/Kg		11/03/15 08:08	11/03/15 16:12	1
PCB-1221	ND		0.23	0.045	mg/Kg		11/03/15 08:08	11/03/15 16:12	1
PCB-1232	ND		0.23	0.045	mg/Kg		11/03/15 08:08	11/03/15 16:12	1
PCB-1242	ND		0.23	0.045	mg/Kg		11/03/15 08:08	11/03/15 16:12	1
PCB-1248	ND		0.23	0.045	mg/Kg		11/03/15 08:08	11/03/15 16:12	1
PCB-1254	ND		0.23	0.11	mg/Kg		11/03/15 08:08	11/03/15 16:12	1
PCB-1260	ND		0.23	0.11	mg/Kg		11/03/15 08:08	11/03/15 16:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	98		60 - 154	11/03/15 08:08	11/03/15 16:12	1
Tetrachloro-m-xylene	92		60 - 154	11/03/15 08:08	11/03/15 16:12	1
DCB Decachlorobiphenyl	95		65 - 174	11/03/15 08:08	11/03/15 16:12	1
DCB Decachlorobiphenyl	99		65 - 174	11/03/15 08:08	11/03/15 16:12	1

Lab Sample ID: LCS 480-272710/2-A

Matrix: Solid

Analysis Batch: 272834

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 272710

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	2.39	2.79		mg/Kg		117	51 - 185
PCB-1260	2.39	2.86		mg/Kg		120	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	120		60 - 154
Tetrachloro-m-xylene	107		60 - 154
DCB Decachlorobiphenyl	107		65 - 174
DCB Decachlorobiphenyl	113		65 - 174

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-90293-1

## Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 480-273595/1-A

Matrix: Solid

Analysis Batch: 273977

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 273595

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-TP (Silvex)	ND		16	5.9	ug/Kg		11/06/15 13:11	11/09/15 17:05	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCAA	79		28 - 129				11/06/15 13:11	11/09/15 17:05	1
DCAA	76		28 - 129				11/06/15 13:11	11/09/15 17:05	1

Lab Sample ID: LCS 480-273595/2-A

Matrix: Solid

Analysis Batch: 273977

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 273595

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits		
2,4,5-TP (Silvex)	66.1	54.2		ug/Kg		82	26 - 168		
Surrogate	%Recovery	LCS Qualifier	Limits						
DCAA	87		28 - 129						
DCAA	93		28 - 129						

Lab Sample ID: LCSD 480-273595/3-A

Matrix: Solid

Analysis Batch: 273977

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 273595

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
2,4,5-TP (Silvex)	66.3	53.5		ug/Kg		81	26 - 168	1	50
Surrogate	%Recovery	LCSD Qualifier	Limits						
DCAA	87		28 - 129						
DCAA	88		28 - 129						

## Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-273042/1-A

Matrix: Solid

Analysis Batch: 273495

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 273042

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.0	0.40	mg/Kg		11/04/15 12:07	11/06/15 00:56	1
Barium	ND		0.50	0.11	mg/Kg		11/04/15 12:07	11/06/15 00:56	1
Beryllium	ND		0.20	0.028	mg/Kg		11/04/15 12:07	11/06/15 00:56	1
Cadmium	ND		0.20	0.030	mg/Kg		11/04/15 12:07	11/06/15 00:56	1
Copper	ND		1.0	0.21	mg/Kg		11/04/15 12:07	11/06/15 00:56	1
Lead	ND		1.0	0.24	mg/Kg		11/04/15 12:07	11/06/15 00:56	1
Manganese	0.0510	J	0.20	0.032	mg/Kg		11/04/15 12:07	11/06/15 00:56	1
Nickel	ND		5.0	0.23	mg/Kg		11/04/15 12:07	11/06/15 00:56	1
Selenium	ND		4.0	0.40	mg/Kg		11/04/15 12:07	11/06/15 00:56	1
Silver	ND		0.60	0.20	mg/Kg		11/04/15 12:07	11/06/15 00:56	1
Zinc	ND		2.0	0.64	mg/Kg		11/04/15 12:07	11/06/15 00:56	1

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# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-90293-1

## Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-273042/2-A

Matrix: Solid

Analysis Batch: 273495

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 273042

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	113	91.88		mg/Kg		81.3	69.7 - 142.5
Barium	155	129.8		mg/Kg		83.7	72.9 - 127.1
Beryllium	109	90.60		mg/Kg		83.1	74.7 - 124.8
Cadmium	67.5	59.64		mg/Kg		88.4	73.2 - 126.8
Copper	100	110.0		mg/Kg		110.0	96.2 - 161.0
Lead	90.1	81.49		mg/Kg		90.4	70.1 - 129.9
Manganese	363	306.8		mg/Kg		84.5	75.8 - 124.5
Nickel	89.3	83.44		mg/Kg		93.4	72.0 - 127.7
Selenium	156	127.3		mg/Kg		81.6	67.3 - 132.1
Silver	52.6	43.21		mg/Kg		82.2	66.7 - 133.5
Zinc	168	141.6		mg/Kg		84.3	69.0 - 131.5

## Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-273324/1-A

Matrix: Solid

Analysis Batch: 273457

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 273324

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.0081	mg/Kg		11/05/15 14:05	11/05/15 16:37	1

Lab Sample ID: LCSSRM 480-273324/2-A

Matrix: Solid

Analysis Batch: 273457

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 273324

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	8.37	10.47		mg/Kg		125.0	51.3 - 148.1

## Method: 9012B - Cyanide, Total and/or Amenable

Lab Sample ID: MB 480-274693/1-A

Matrix: Solid

Analysis Batch: 274917

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 274693

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.99	0.48	mg/Kg		11/12/15 14:26	11/13/15 11:40	1

TestAmerica Buffalo

## QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-90293-1

### Method: 9012B - Cyanide, Total and/or Amenable (Continued)

Lab Sample ID: LCS 480-274693/2-A

Matrix: Solid

Analysis Batch: 274917

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 274693

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	39.6	23.84		mg/Kg	—	60	29 - 122

# QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-90293-1

## GC/MS VOA

### Analysis Batch: 272908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-90293-1	BFS-1	Total/NA	Solid	8260C	272919
LCS 480-272919/1-A	Lab Control Sample	Total/NA	Solid	8260C	272919
LCSD 480-272919/2-A	Lab Control Sample Dup	Total/NA	Solid	8260C	272919
MB 480-272919/3-A	Method Blank	Total/NA	Solid	8260C	272919

### Prep Batch: 272919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-90293-1	BFS-1	Total/NA	Solid	5035	
LCS 480-272919/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 480-272919/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
MB 480-272919/3-A	Method Blank	Total/NA	Solid	5035	

## GC/MS Semi VOA

### Prep Batch: 272706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-90293-1	BFS-1	Total/NA	Solid	3550C	
LCS 480-272706/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 480-272706/1-A	Method Blank	Total/NA	Solid	3550C	

### Analysis Batch: 272963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-90293-1	BFS-1	Total/NA	Solid	8270D	272706
LCS 480-272706/2-A	Lab Control Sample	Total/NA	Solid	8270D	272706
MB 480-272706/1-A	Method Blank	Total/NA	Solid	8270D	272706

## GC Semi VOA

### Prep Batch: 272709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-90293-1	BFS-1	Total/NA	Solid	3550C	
LCS 480-272709/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 480-272709/1-A	Method Blank	Total/NA	Solid	3550C	

### Prep Batch: 272710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-90293-1	BFS-1	Total/NA	Solid	3550C	
LCS 480-272710/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 480-272710/1-A	Method Blank	Total/NA	Solid	3550C	

### Analysis Batch: 272834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-90293-1	BFS-1	Total/NA	Solid	8082A	272710
LCS 480-272710/2-A	Lab Control Sample	Total/NA	Solid	8082A	272710
MB 480-272710/1-A	Method Blank	Total/NA	Solid	8082A	272710

### Analysis Batch: 273016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-272709/2-A	Lab Control Sample	Total/NA	Solid	8081B	272709
MB 480-272709/1-A	Method Blank	Total/NA	Solid	8081B	272709

TestAmerica Buffalo

# QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-90293-1

## GC Semi VOA (Continued)

### Analysis Batch: 273255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-90293-1	BFS-1	Total/NA	Solid	8081B	272709

### Prep Batch: 273595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-90293-1	BFS-1	Total/NA	Solid	8151A	
LCS 480-273595/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 480-273595/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	
MB 480-273595/1-A	Method Blank	Total/NA	Solid	8151A	

### Analysis Batch: 273977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-90293-1	BFS-1	Total/NA	Solid	8151A	273595
LCS 480-273595/2-A	Lab Control Sample	Total/NA	Solid	8151A	273595
LCSD 480-273595/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	273595
MB 480-273595/1-A	Method Blank	Total/NA	Solid	8151A	273595

## Metals

### Prep Batch: 273042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-90293-1	BFS-1	Total/NA	Solid	3050B	
LCSSRM 480-273042/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 480-273042/1-A	Method Blank	Total/NA	Solid	3050B	

### Prep Batch: 273324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-90293-1	BFS-1	Total/NA	Solid	7471B	
LCSSRM 480-273324/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 480-273324/1-A	Method Blank	Total/NA	Solid	7471B	

### Analysis Batch: 273457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-90293-1	BFS-1	Total/NA	Solid	7471B	273324
LCSSRM 480-273324/2-A	Lab Control Sample	Total/NA	Solid	7471B	273324
MB 480-273324/1-A	Method Blank	Total/NA	Solid	7471B	273324

### Analysis Batch: 273495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-90293-1	BFS-1	Total/NA	Solid	6010C	273042
LCSSRM 480-273042/2-A	Lab Control Sample	Total/NA	Solid	6010C	273042
MB 480-273042/1-A	Method Blank	Total/NA	Solid	6010C	273042

### Analysis Batch: 273599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-90293-1	BFS-1	Total/NA	Solid	6010C	273042

TestAmerica Buffalo

## QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-90293-1

### General Chemistry

#### Prep Batch: 274693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-90293-1	BFS-1	Total/NA	Solid	9012B	
LCS 480-274693/2-A	Lab Control Sample	Total/NA	Solid	9012B	
MB 480-274693/1-A	Method Blank	Total/NA	Solid	9012B	

#### Analysis Batch: 274917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-90293-1	BFS-1	Total/NA	Solid	9012B	274693
LCS 480-274693/2-A	Lab Control Sample	Total/NA	Solid	9012B	274693
MB 480-274693/1-A	Method Blank	Total/NA	Solid	9012B	274693

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-90293-1

**Client Sample ID: BFS-1**

**Date Collected: 11/02/15 00:00**

**Date Received: 11/02/15 14:04**

**Lab Sample ID: 480-90293-1**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			272919	11/03/15 23:21	CDC	TAL BUF
Total/NA	Analysis	8260C		1	272908	11/04/15 09:44	CDC	TAL BUF
Total/NA	Prep	3550C			272706	11/03/15 07:59	TRG	TAL BUF
Total/NA	Analysis	8270D		5	272963	11/04/15 16:30	LMW	TAL BUF
Total/NA	Prep	3550C			272709	11/03/15 08:04	CAM	TAL BUF
Total/NA	Analysis	8081B		5	273255	11/05/15 12:44	JRL	TAL BUF
Total/NA	Prep	3550C			272710	11/03/15 08:08	TRG	TAL BUF
Total/NA	Analysis	8082A		1	272834	11/03/15 18:39	KS	TAL BUF
Total/NA	Prep	8151A			273595	11/06/15 13:11	TRG	TAL BUF
Total/NA	Analysis	8151A		1	273977	11/09/15 19:34	JRL	TAL BUF
Total/NA	Prep	3050B			273042	11/04/15 12:07	CNS	TAL BUF
Total/NA	Analysis	6010C		1	273495	11/06/15 02:33	SLB	TAL BUF
Total/NA	Prep	3050B			273042	11/04/15 12:07	CNS	TAL BUF
Total/NA	Analysis	6010C		2	273599	11/06/15 11:39	SLB	TAL BUF
Total/NA	Prep	7471B			273324	11/05/15 14:05	TAS	TAL BUF
Total/NA	Analysis	7471B		1	273457	11/05/15 17:06	TAS	TAL BUF
Total/NA	Prep	9012B			274693	11/12/15 14:26	SER	TAL BUF
Total/NA	Analysis	9012B		1	274917	11/13/15 11:43	JJK	TAL BUF

## Laboratory References:

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



# Certification Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-90293-1

## 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	03-31-16
Analysis Method	Prep Method	Matrix	Analyte	

## Method Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-90293-1

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 (CVAA)	SW846	TAL BUF
9012B	Cyanide, Total and/or Amenable	SW846	TAL BUF

### Protocol References:

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

## Sample Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-90293-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-90293-1	BFS-1	Solid	11/02/15 00:00	11/02/15 14:04

1

2

3

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15

## Chain of Custody Record

## THE LEADER IN ENVIRONMENTAL TESTING

Drinking Water? Yes ☐ No ☒

ITAL-4124 (1007)

Client <b>Kyer Environmental Group</b>		Project Manager <b>Dharma Iyer</b>		Date <b>Nov 2, 2015</b>		Chain of Custody Number <b>264488</b>	
Address <b>44 Rolling Hills Dr</b>		Telephone Number (Area Code)/Fax Number <b>(916) 662-4157</b>		Lab Number		Page <b>1</b> of <b>1</b>	
City <b>Orchard Park</b>		State <b>NY</b>		Zip Code <b>14127</b>		Special Instructions/ Conditions of Receipt  <b>Category B DER-10</b>	
Project Name and Location (State) <b>132 Dingers St (NY)</b>				Analysis (Attach list if more space is needed)			
Contract/Purchase Order/Quote No.				<div style="display: flex; justify-content: space-between;"> <div> <input checked="" type="checkbox"/> TEL VOCs  <input checked="" type="checkbox"/> TEL SVOCs  <input checked="" type="checkbox"/> TAL Metals  <input checked="" type="checkbox"/> Cyanide  <input checked="" type="checkbox"/> PCBs  <input checked="" type="checkbox"/> Pests/Herb </div> <div> <input checked="" type="checkbox"/> TEL VOCs  <input checked="" type="checkbox"/> TEL SVOCs  <input checked="" type="checkbox"/> TAL Metals  <input checked="" type="checkbox"/> Cyanide  <input checked="" type="checkbox"/> PCBs  <input checked="" type="checkbox"/> Pests/Herb </div> </div>			
Matrix		Containers & Preservatives		<div style="text-align: center;">   480-90293 Chain of Custody </div>			
<input checked="" type="checkbox"/> Air <input type="checkbox"/> Sed <input type="checkbox"/> Soil		<input checked="" type="checkbox"/> HCl <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> Urpres <input type="checkbox"/> NaOH <input type="checkbox"/> ZnAc <input type="checkbox"/> NaOH					
Sample I.D. No. and Description (Containers for each sample may be combined on one line)		Date		Time			
BFS-1		11/2/15					
Possible Hazard Identification		Sample Disposal					
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown		<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For		(A fee may be assessed if samples are retained longer than 1 month)			
Turn Around Time Required		QC Requirements (Specify)					
<input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input checked="" type="checkbox"/> 7 Days <input type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input type="checkbox"/> Other		1. Received By <b>Roland C Allen Jr</b> Date <b>11/2/15</b> Time <b>1404</b> 2. Received By <b>_____</b> Date <b>_____</b> Time <b>_____</b> 3. Received By <b>_____</b> Date <b>_____</b> Time <b>_____</b>					

**DISTRIBUTION:** WHITE - Returned to Client with Report; CANARY - Slays with the Sample; PINK - Field Copy

## Login Sample Receipt Checklist

Client: Iyer Environmental Group, LLC

Job Number: 480-90293-1

Login Number: 90293

List Number: 1

Creator: Janish, Carl M

List Source: TestAmerica Buffalo

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.	N/A	
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	True	
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	iyer
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	

# **APPENDIX J**

## **CAMP FIELD DATA**

**APPENDIX J**

**132 DINGENS ST PROPERTY - BCP SITE REMEDIATION**

**CAMP FIELD DATA**

**LOG OF FIGUTIVE DUST MONITORING**

DATE	AREA BEING EXCAVATED	ACTIVITY	NORTH	SOUTH	EAST	WEST
			PDM-3 READINGS (µg/M <sup>3</sup> )			
28-Jul-2015	TS-13	EXCAVATION	0.00	0.00	0.53	0.00
29-Jul-2015	TS-9	EXCAVATION	0.04	0.00	0.18	0.00
30-Jul-2015	MW-7	EXCAVATION	0.07	0.27	0.18	0.16
	TS-9	EXCAVATION	0.00	0.80	0.25	0.00
	GS-30	EXCAVATION	0.00	0.10	2.40	0.10
	TS-4	EXCAVATION	0.00	0.00	0.27	0.00
19-Aug-2015	GS-21	EXCAVATION	0.00	0.00	0.40	0.00
20-Aug-2015	TS-13	EXCAVATION	0.57	0.00	0.53	0.63
21-Aug-2015	MW-2	EXCAVATION	0.00	0.00	0.00	0.00
27-Aug-2015	GS-20	EXCAVATION	0.07	0.05	0.78	0.06
28-Aug-2015	TS-4	EXCAVATION	0.03	0.05	0.05	0.07
	GS-30	MIXING CEMENT	0.00	0.22	0.12	0.76
1-Sep-2015	GS-30	EXCAVATION	0.97	1.06	1.12	1.23
2-Sep-2015	MW-7	MIXING CEMENT	2.59	1.72	2.21	2.17
	TS-9	EXCAVATION	0.20	0.25	1.23	0.86
3-Sep-2015	GS-21	EXCAVATION	0.27	0.25	0.59	0.31
9-Sep-2015	TS-13/MW-2	EXCAVATION	0.07	0.10	0.00	0.29
11-Sep-2015	TS-15	EXCAVATION	0.98	0.54	0.67	0.00
		MIXING CEMENT	0.20	0.28	0.18	1.05
17-Sep-2015	TS-13	EXCAVATION	0.00	0.22	0.00	0.00
24-Sep-2015	GS-17	EXCAVATION	0.00	0.00	0.00	0.00

**APPENDIX K**

**IMPORTED MATERIALS DOCUMENTATION**

**(Digital Copy on CD)**





**NEW YORK STATE  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION**



**Request to Import/Reuse Fill or Soil**

\*This form is based on the information required by DER-10, Section 5.4(e). Use of this form is not a substitute for reading the applicable Technical Guidance document.\*

**SECTION 1 – SITE BACKGROUND**

The allowable site use is:

Have Ecological Resources been identified?

Is this soil originating from the site?

How many cubic yards of soil will be imported/reused?

If greater than 1000 cubic yards will be imported, enter volume to be imported:

**SECTION 2 – MATERIAL OTHER THAN SOIL**

Is the material to be imported gravel, rock or stone?

Does it contain less than 10%, by weight, material that would pass a size 80 sieve?

Is this virgin material from a permitted mine or quarry?

Is this material recycled concrete or brick from a DEC registered processing facility?

**SECTION 3 - SAMPLING**

Provide a brief description of the number and type of samples collected in the space below:

The native soil was sampled by C&S Engineers at the Children's Hospital location during the course of excavation for site redevelopment. A total of 23 samples were collected and analyzed for DER-10 parameters - including VOCs, SVOCs, inorganics and PCBs/Pesticides.

The excavated native soil from Children's Hospital is stockpiled at a site on Seneca St., Buffalo. Iyer Environmental sampled this pile on 4/7/15. A total of 15 test pits were dug. Ten (10) discrete samples were collected and analyzed for VOCs, and five (5) composite samples were collected and analyzed for SVOCs, inorganics and PCBs/Pesticides.

*Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.*

*If the material meets requirements of DER-10 section 5.5 (other material), no chemical testing needed.*

### SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

All detected VOCs, SVOCs and metals were below their corresponding Unrestricted Use soil SCOs. Cyanide, PCBs and herbicides were not detected in any of the samples.

Amongst VOCs, benzene was detected up to 0.74 µg/Kg, methylene chloride up to 3.7 µg/K, styrene up to 0.29 µg/Kg and toluene up to 1.3 µg/Kg. SVOCs included bis (2-ethylhexyl) phthalate (up to 100 µg/Kg), diethyl phthalate (up to 87 µg/Kg), di-n-butyl phthalate (up to 17 µg/Kg), fluoranthene (up to 41 µg/Kg), phenanthrene (up to 32 µg/Kg), and pyrene (up to 34 µg/Kg). Pesticides included 4,4'-DDE (up to 0.43 µg/Kg), 4,4'-DDT (up to 0.65 µg/Kg), delta-BHC (up to 0.46 µg/Kg), endosulfan sulfate (up to 0.52 µg/Kg), and endrin aldehyde (up to 0.67 µg/Kg). Metals included arsenic up to 3.4 mg/Kg, barium up to 16.8 mg/Kg, beryllium up to 0.19 mg/Kg, cadmium up to 0.81mg/Kg, chromium up to 4.5 mg/Kg, copper up to 7.7 mg/Kg, lead up to 8.6 mg/Kg, manganese up to 524 mg/Kg, nickel up to 4.9 mg/Kg, and zinc up to 199 mg/Kg.

*Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.*

*If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.*

### SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

Pinto CS is subcontractor for Kaleida Health's new JR Oshei Children's Hospital site

Location where fill was obtained:

50 High Street (corner with Ellicott Street), Buffalo, NY

Identification of any state or local approvals as a fill source:

None

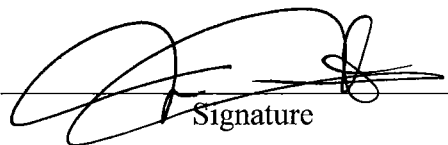
If no approvals are available, provide a brief history of the use of the property that is the fill source:

This 1.5-acre property has been developed since various uses since the 1880s - battery charging shop, steam/dry cleaning and dyeing business, and most recently as a parking lot. The two former uses of the site and the adjacent NYS Spill are the only RECs.

Provide a list of supporting documentation included with this request:

IEG Memo on 5/12/15 DER-10 sampling of stock pile;  
C&S's 2014 Soil Characterization Reports

The information provided on this form is accurate and complete.



---

Signature

6/9/15

---

Date

James Panepinto

---

Print Name

132 Dingens St, LLC

---

Firm



## MEMORANDUM

<b>TO:</b>	J. Walia (NYSDEC)
<b>CC:</b>	J. Panepinto, L. Cannata (Pinto CS)
<b>FROM:</b>	Dharma Iyer (IEG)
<b>DATE:</b>	June 9, 2015 (revised)
<b>RE:</b>	<b>132 Dingens St. BCP Site</b> OFF-SITE NATIVE SOIL FILL - STOCKPILE SAMPLING & ANALYSIS

132 Dingens St, LLC is proposing to use the following materials at the 132 Dingens St. site after excavation of contaminated soil/fill:

- Backfill: Native soil from Children's Hospital construction site, Buffalo, NY.  
Pinto CS excavated this soil and stockpiled it at a site on Seneca St, Buffalo.
- Cover material: crushed stone from LaFarge's Lockport quarry.

BACKFILL FROM CHILDREN'S: Pinto is a subcontractor for the John R. Oshei (JRO) Children's Hospital site redevelopment by Kaleida Health at the northwest corner of Ellicott & High Streets, and identified it as a sizeable source of backfill. Kaleida Health had the top layer of urban fill disposed elsewhere. C&S Engineers, Inc. (C&S), Kaleida Health's consultant, then implemented a sampling program for the underlying native soils to determine the suitability of the native soil for use as off-site fill at a BCP site. C&S completed the native soil sampling in stages as the excavation proceeded. Over three sampling events C&S collected a total of twenty three (23) samples and had them analyzed them for the full list of DER-10 parameters - including VOCs, SVOCs, Metals, Cyanide, PCBs and Pesticides.

Based upon a review of the analytical data provided by C&S (report and data tables included as Attachment A), Pinto trucked and stockpiled an estimated 20,000 CY from this site at a yard on Seneca St., Buffalo, NY (see photos). Pinto anticipates using approximately 4,000 CY of soil from this stockpile as backfill at the Dingens St. Site.

CRUSHED STONE: This stone fill will be trucked from LaFarge's Lockport quarry to the site when needed. At that time IEG will obtain necessary gradation test results and certifications from LaFarge for submittal to the NYSDEC.

SAMPLING by IEG: The off-site soil stockpile was sampled by IEG on April 7, 2015 at a staging site (see photo below) on Seneca St. In addition, a crushed stone sample was obtained from the LaFarge's virgin source.

The sampling was performed by digging into the stock pile with a shovel. A total of fifteen (15) test pits were dug in an area representative of the 4,000 CY needed for the 132 Dingens St. site. The locations of these test pits are shown on the attached Figure 1. From each group of three test pits, two grab samples (marked A and B in each group on Figure 1) were collected for VOCs, and one composite sample was collected for all other DER-10 parameters. Thus a total of ten (10) grab soil samples were collected for TCL volatile organics, and five composite soil samples were collected for the remaining DER-10 parameters – TCL semivolatile organics, pesticides, herbicides, PCBs, TAL metals (including mercury) and cyanide. All soil samples were submitted to a NYS ELAP-certified analytical laboratory for DER-10 parameters for use of off-site fill at a BCP site.

# Memorandum

Page 2

Subject: 132 Dingens St. Site: Backfill  
From D. Iyer (IEG) to J. Walia (NYSDEC)

June 9, 2015

ANALYTICAL RESULTS: Analytical results for soil samples from the stockpile are included as Table 1.

VOCs: Trace levels of up to only four (4) VOCs were detected in the soil samples, all well below Unrestricted Use SCOs. The detected VOCs included benzene (non-detect to 0.74 µg/Kg), methylene chloride (2.5 to 3.7 µg/Kg), styrene (non-detect to 0.29 µg/Kg), and toluene (non-detect to 1.3 µg/Kg).

SVOCs: Up to only six (6) SVOCs were detected in the samples. These included bis (2-ethylhexyl) phthalate (up to 100 µg/Kg), diethyl phthalate (up to 87 µg/Kg), di-n-butyl phthalate (up to 17 µg/Kg), fluoranthene (up to 41 µg/Kg), phenanthrene (up to 32 µg/Kg), and pyrene (up to 34 µg/Kg).

Pesticides: Up to five (5) pesticide compounds were detected in the five composite soil samples. These included 4,4'-DDE (up to 0.43 µg/Kg), 4,4'-DDT (up to 0.65 µg/Kg), delta-BHC (up to 0.46 µg/Kg), endosulfan sulfate (up to 0.52 µg/Kg), and endrin aldehyde (up to 0.67 µg/Kg).

PCBs: No PCBS were present in any sample.

Herbicides: No herbicides were present in any sample.

Metals & Cyanide: No cyanide was detected in any of the samples. Three (3) of the thirteen (13) metals on the DER-10 list were non-detect in the samples. All others were detected at trace levels and well below their corresponding Unrestricted Use SCOs. Amongst these, arsenic ranged up to 3.4 mg/Kg, barium up to 16.8 mg/Kg, beryllium up to 0.19 mg/Kg, cadmium up to 0.81mg/Kg, chromium up to 4.5 mg/Kg, copper up to 7.7 mg/Kg, lead up to 8.6 mg/Kg (except the crushed stone had 147 mg/Kg), manganese up to 524 mg/Kg, nickel up to 4.9 mg/Kg, and zinc up to 199 mg/Kg.

SUMMARY: No PCBs, herbicides or cyanide were detected in the samples. All detected organics and metals were well below their corresponding unrestricted use SCOs. Based on these results, the native soil fill from the JRO Children's Hospital site, and crushed stone from LaFarge should be suitable for use at the 132 Dingens St. site.

**TABLE 1**  
**132 DINGENS STREET - BCP REMEDIATION**  
**OFF-SITE NATIVE SOIL FILL (STOCKPILED ON SENECA ST., BUFFALO, NY)**

SAMPLE TYPE/ ID	DER-10 SCOs		COMPOSITE SAMPLES (EXCL. VOCs)					GRAB SAMPLES (VOCs ONLY)										STONE
	UNRESTRICTED	RESTRICTED RESIDENTIAL	CHF-1	CHF-2	CHF-3	CHF-4	CHF-5	CHF-1A	CHF-1B	CHF-2A	CHF-2B	CHF-3A	CHF-3B	CHF-4A	CHF-4B	CHF-5A	CHF-5B	CRS-1
LAB BATCH NUMBER			77902															
Sample Date			4/7/2015															
Percent Solids (%)			91.6	92.4	93.5	90.7	91.4	92.5	93.4	93.4	91.8	94.1	92.1	88.7	91.8	91.5	88.9	98.2
VOLATILE ORGANICS (VOCs, ug/Kg)																		
Benzene	60	4,800	NA	NA	NA	NA	NA	0.68 J	0.45 J	0.46 J	0.42 J	0.44 J	0.74 J	0.50 J	0.79 J	0.45 J	0.49 J	ND
Methylene Chloride	50	100,000						3.0 JB	2.6 JB	2.5 JB	2.8 JB	2.5 JB	2.6 JB	3.0 JB	3.1 JB	2.6 JB	3.9 J	3.7 J
Styrene	--	--						ND	ND	ND	ND	ND	ND	0.29 J	ND	ND	ND	ND
Toluene	700	100,000						0.92 J	0.83 J	0.81 J	0.84 J	0.78 J	1.3 J	1.1 J	1.1 J	0.78 J	0.64 J	ND
SEMIVOLATILE ORGANICS (SVOCs, ug/Kg)																		
Bis(2-ethylhexyl) phthalate	--	--	100 JB	59 JB	51 JB	65 JB	84 JB	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	59 JB
Diethyl phthalate	--	--	42 J	ND	55 JB	63 JB	87 JB											41 JB
Di-n-butyl phthalate	--	--	17 JB	ND	ND	ND	ND											ND
Fluoranthene	100,000	100,000	28 J	ND	17 J	ND	41 J											ND
Phenanthrene	100,000		ND	ND	ND	ND	28 J											32 J
Pyrene	100,000	100,000	24 J	ND	ND	ND	34 J											ND
PESTICIDES (ug/Kg)																		
4,4'-DDE	3.3	8,900	0.43 J	0.40 J	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
4,4'-DDT	3.3	7,900	0.65 JB	ND	ND	ND	ND											ND
delta-BHC	40	360	0.45 J	0.46 J	ND	ND	ND											ND
Endosulfan sulfate	2,400	24,000	ND	ND	0.52 J	ND	ND											ND
Endrin Aldehyde	--	--	0.67 J	ND	ND	ND	ND											ND
HERBICIDES (ug/Kg)			ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
PCBs (ug/Kg)			ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND

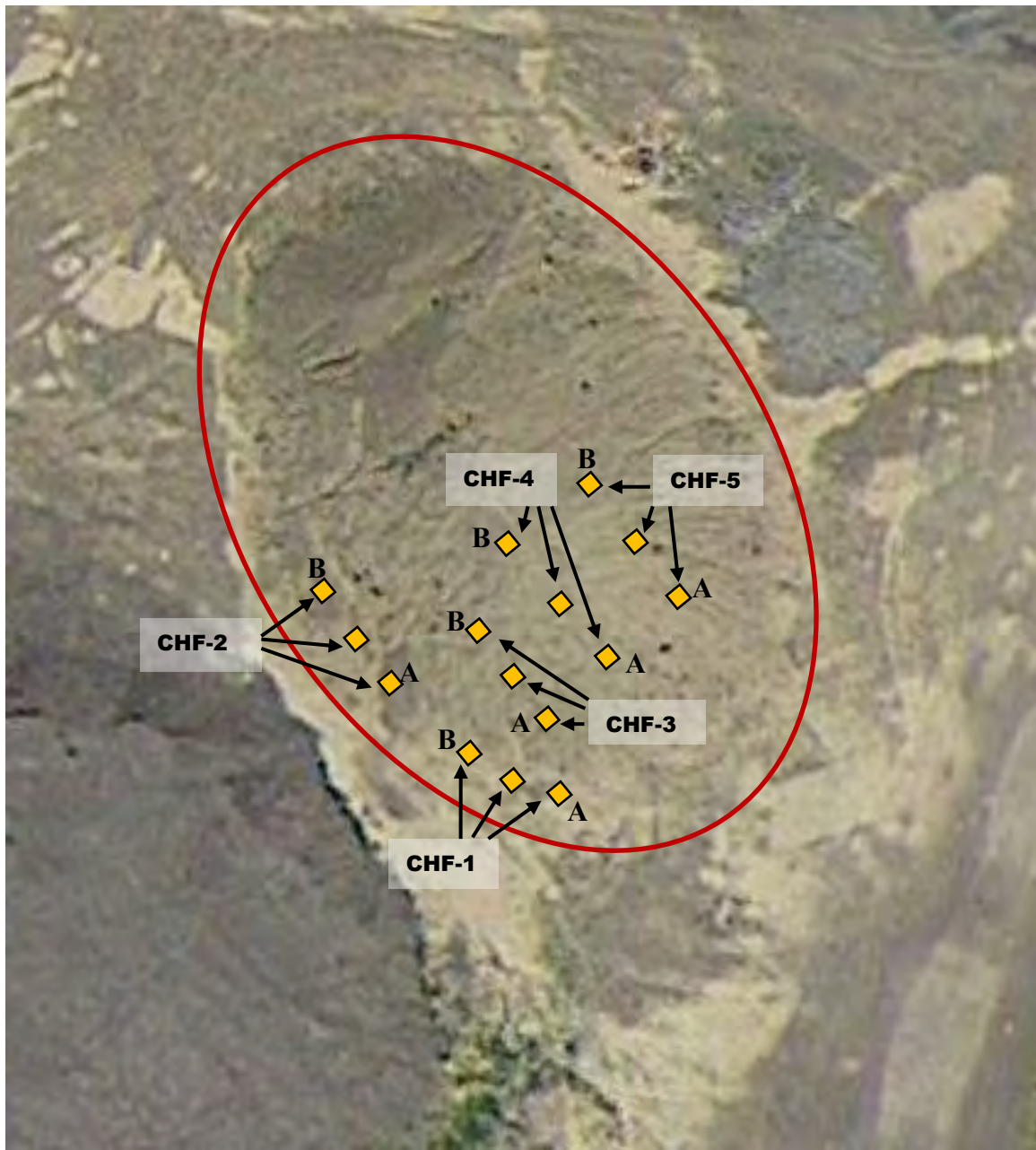
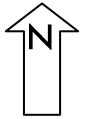
**TABLE 1**  
**132 DINGENS STREET - BCP REMEDIATION**  
**OFF-SITE NATIVE SOIL FILL (STOCKPILED ON SENECA ST., BUFFALO, NY)**

SAMPLE TYPE/ ID	DER-10 SCOs		COMPOSITE SAMPLES (EXCL. VOCs)					GRAB SAMPLES (VOCs ONLY)										STONE
	UNRESTRICTED	RESTRICTED RESIDENTIAL	CHF-1	CHF-2	CHF-3	CHF-4	CHF-5	CHF-1A	CHF-1B	CHF-2A	CHF-2B	CHF-3A	CHF-3B	CHF-4A	CHF-4B	CHF-5A	CHF-5B	CRS-1
<b>METALS (mg/Kg)</b>																		
Aluminum	--	--	2900 F1	2310	2980	2670	3100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2000
Antimony	--	--	ND	ND	ND	ND	ND											
Arsenic	13	16	1.5 J	1.2 J	2.1	1.2 J	1.6 J											3.4
Barium	350	350	12.8	10.2	12.7	13.2	15.1											16.8
Beryllium	7.2	14	0.19 J	0.14 J	0.18 J	0.15 J	0.18 J											0.12 J
Cadmium	2.5	2.5	0.21	0.20 J	0.18 J	0.20 J	0.18 J											0.81
Calcium	--	--	52600 B	44800 B	53400 B	47600 B	50700 B											184000 B
Chromium	30	36	4.1	3.3	4.0	4.0	4.5											4.4
Cobalt	--	--	1.9	1.7	2.2	2.0	2.1											1.4
Copper	50	270	7.4	6.2	7.7	6.1	7.0											3.5 J
Iron	--	--	5510 F1	4600	5960	5420	5960											6210
Lead	63	400	7.2 B	6.6 B	8.3 B	7.6 B	8.6 B											147 B
Magnesium	--	--	24300 B	20400	23300 B	21400 B	19300 B											114000 B
Manganese	1,600	2,000	239 B	195 B	218 B	213 B	215 B											524 B
Nickel	30	140	4.2 J	3.6 J	4.9 J	4.0 J	4.9 J											4.1 J
Potassium	--	--	787 F1	706	755	803	923											1270
Selenium	3.9	36	ND	ND	ND	ND	ND											ND
Silver	2	36	ND	ND	ND	ND	ND											ND
Sodium	--	--	173	142 J	165	256	203											242
Thallium	--	--	ND	ND	ND	ND	ND											ND
Vanadium	--	--	9.0	7.8	8.7	9.6	10.4											7.7
Zinc	109	2,200	68.4 BF1	60.7 B	70.4 B	67.1 B	65.4 B											199 B
Mercury	0.18	0.81	ND	ND	ND	ND	ND											ND
<b>Total Cyanide (mg/Kg)</b>	27	27	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND

Notes: 1. "NA" or "--" = not analyzed; "ND" = Not Detected

2. Only detected volatile and semivolatile compounds are listed; all metals analyzed are listed

Note: Background aerial photo is just to show location of stockpile;  
see photo page showing actual stockpile



**132 DINGENS STREET, BUFFALO, NY**  
**NATIVE SOIL STOCKPILE SAMPLING (SENECA ST.)**

**FIGURE 1**

**IEG**





1. View of Native Soil Stockpile at Seneca Street Site



2. One of the three Test Pits for Sample CHF-1



3. View of the Test Pits for Sample CHF-2



4. View of the Test Pits for Sample CHF-3



5 View of the Test Pits for Sample CHF-4



6. View of the Test Pits for Sample CHF-5

## NATIVE SOIL STOCKPILE TEST PIT SAMPLING

SENECA ST., BUFFALO, NY



## SITE PHOTOGRAPHS

DATE: April 7, 2015

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-77902-1

Client Project/Site: 132 Dingens

For:

Iyer Environmental Group, LLC

44 Rolling Hills Drive

Orchard Park, New York 14127

Attn: Dr. Dharmarajan R Iyer



Authorized for release by:

4/20/2015 3:06:25 PM

Rebecca Jones, Project Management Assistant I

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Designee for

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(716)504-9874

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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.



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## Definitions/Glossary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-77902-1

### 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.
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery exceeds the control limits
*	LCS or LCSD exceeds the control limits

#### GC/MS Semi 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 Semi 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.

#### Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery 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.
B	Compound was found in the blank and sample.
F2	MS/MSD RPD exceeds control limits
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

#### General Chemistry

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.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)

## Case Narrative

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-77902-1

**Job ID: 480-77902-1**

**Laboratory: TestAmerica Buffalo**

### Narrative

#### Job Narrative 480-77902-1

#### Receipt

The samples were received on 4/7/2015 3:40 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 19.0° C.

#### GC/MS VOA

Method(s) 8260C: Reported analyte concentrations in the following samples are below 200ug/kg and may be biased low due to the samples not being collected according to 5035-L/5035A-L low-level specifications: CHF-1A (480-77902-6), CHF-1B (480-77902-7), CHF-2A (480-77902-8), CHF-2B (480-77902-9), CHF-3A (480-77902-10), (480-77902-B-6-B MS) and (480-77902-B-6-C MSD).

Method(s) 8260C: Reported analyte concentrations in the following samples are below 200ug/kg and may be biased low due to the samples not being collected according to 5035-L/5035A-L low-level specifications: CHF-3B (480-77902-11), CHF-4A (480-77902-12), CHF-4B (480-77902-13), CHF-5A (480-77902-14), CHF-5B (480-77902-15), CRS-1 (480-77902-16), (480-77902-A-15-B MS) and (480-77902-A-15-C MSD).

Method(s) 8260C: The laboratory control sample (LCS) for preparation batch 234987 recovered outside control limits for the following analyte: Cyclohexane. This was not a requested spike compound; therefore, the data have been qualified and reported. CHF-3B (480-77902-11), CHF-4A (480-77902-12), CHF-4B (480-77902-13), CHF-5A (480-77902-14), CHF-5B (480-77902-15) and CRS-1 (480-77902-16)

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

#### GC/MS Semi VOA

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

#### GC Semi VOA

Method(s) 8081B: The continuing calibration verification (CCV) (CCV 480-235402/16) for Toxaphene was decreased and exceeded control criteria of 20%D, though all associated samples did not show any potential pattern. The data has been reported.

Method(s) 8081B: All sample primary data is reported from RTX-CLPII column, with the exception of 4,4'-DDT, for which primary data is reported from the RTX-CLPI column due to CCV failure.

The percent difference in a multi-component continuing calibration verification is assessed on the basis of the total amount, individual peak calculations are only listed for completeness.

Method(s) 8082A: All primary data is reported from the ZB-35 column.

Method(s) 8082A: The percent difference in a multi-component continuing calibration verification is assessed on the basis of the total amount, individual peak calculations are only listed for completeness.

Method(s) 8151A: All primary data is reported from the RTX-CLPI column.

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

#### Metals

Method(s) 6010C: The post digestion spike % recovery and serial dilution for manganese associated with batch 480-235162 was outside of control limits. Matrix effects are suspected.

Method(s) 6010C: The serial dilution performed for the following samples associated with batch 480-235162 was outside control limits for barium, calcium, cobalt, iron, magnesium, vanadium and zinc: (480-77902-A-1-B SD ^). However, the post spike was compliant, therefore, no corrective action is needed.

Method(s) 6010C: The following sample was diluted due to the presence of total calcium which interferes with copper: CRS-1 (480-77902-16). Elevated reporting limits (RLs) are provided.

## Case Narrative

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-77902-1

---

### Job ID: 480-77902-1 (Continued)

---

#### Laboratory: TestAmerica Buffalo (Continued)

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

#### General Chemistry

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

#### Organic Prep

Method(s) 3550C: Sample was made up with mostly large rocks. Took smallest particulates possible for extraction

CRS-1 (480-77902-16)

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

# Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-77902-1

Client Sample ID: CHF-1

Lab Sample ID: 480-77902-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	100	J B	370	23	ug/Kg	1	✱	8270D	Total/NA
Diethyl phthalate	42	J	370	17	ug/Kg	1	✱	8270D	Total/NA
Di-n-butyl phthalate	17	J B	370	17	ug/Kg	1	✱	8270D	Total/NA
Fluoranthene	28	J	370	13	ug/Kg	1	✱	8270D	Total/NA
Pyrene	24	J	370	16	ug/Kg	1	✱	8270D	Total/NA
4,4'-DDE	0.43	J	1.8	0.37	ug/Kg	1	✱	8081B	Total/NA
4,4'-DDT	0.65	J B	1.8	0.42	ug/Kg	1	✱	8081B	Total/NA
delta-BHC	0.45	J	1.8	0.33	ug/Kg	1	✱	8081B	Total/NA
Endrin aldehyde	0.67	J	1.8	0.45	ug/Kg	1	✱	8081B	Total/NA
Aluminum	2900	F1	10.2	4.5	mg/Kg	1	✱	6010C	Total/NA
Arsenic	1.5	J	2.0	0.41	mg/Kg	1	✱	6010C	Total/NA
Barium	12.8		0.51	0.11	mg/Kg	1	✱	6010C	Total/NA
Beryllium	0.19	J	0.20	0.029	mg/Kg	1	✱	6010C	Total/NA
Cadmium	0.21		0.20	0.031	mg/Kg	1	✱	6010C	Total/NA
Calcium	52600	B	51.1	3.4	mg/Kg	1	✱	6010C	Total/NA
Chromium	4.1		0.51	0.20	mg/Kg	1	✱	6010C	Total/NA
Cobalt	1.9		0.51	0.051	mg/Kg	1	✱	6010C	Total/NA
Copper	7.4		1.0	0.21	mg/Kg	1	✱	6010C	Total/NA
Iron	5510	F1	10.2	1.1	mg/Kg	1	✱	6010C	Total/NA
Lead	7.2	B	1.0	0.25	mg/Kg	1	✱	6010C	Total/NA
Magnesium	24300	B	20.4	0.95	mg/Kg	1	✱	6010C	Total/NA
Manganese	239	B	0.20	0.033	mg/Kg	1	✱	6010C	Total/NA
Nickel	4.2	J	5.1	0.23	mg/Kg	1	✱	6010C	Total/NA
Potassium	787	F1	30.6	20.4	mg/Kg	1	✱	6010C	Total/NA
Sodium	173		143	13.3	mg/Kg	1	✱	6010C	Total/NA
Vanadium	9.0		0.51	0.11	mg/Kg	1	✱	6010C	Total/NA
Zinc	68.4	B F1	2.0	0.16	mg/Kg	1	✱	6010C	Total/NA

Client Sample ID: CHF-2

Lab Sample ID: 480-77902-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	59	J B	350	22	ug/Kg	1	✱	8270D	Total/NA
4,4'-DDE	0.40	J	1.8	0.37	ug/Kg	1	✱	8081B	Total/NA
delta-BHC	0.46	J	1.8	0.33	ug/Kg	1	✱	8081B	Total/NA
Aluminum	2310		10.8	4.8	mg/Kg	1	✱	6010C	Total/NA
Arsenic	1.2	J	2.2	0.43	mg/Kg	1	✱	6010C	Total/NA
Barium	10.2		0.54	0.12	mg/Kg	1	✱	6010C	Total/NA
Beryllium	0.14	J	0.22	0.030	mg/Kg	1	✱	6010C	Total/NA
Cadmium	0.20	J	0.22	0.033	mg/Kg	1	✱	6010C	Total/NA
Calcium	44800	B	54.2	3.6	mg/Kg	1	✱	6010C	Total/NA
Chromium	3.3		0.54	0.22	mg/Kg	1	✱	6010C	Total/NA
Cobalt	1.7		0.54	0.054	mg/Kg	1	✱	6010C	Total/NA
Copper	6.2		1.1	0.23	mg/Kg	1	✱	6010C	Total/NA
Iron	4600		10.8	1.2	mg/Kg	1	✱	6010C	Total/NA
Lead	6.6	B	1.1	0.26	mg/Kg	1	✱	6010C	Total/NA
Magnesium	20400	B	21.7	1.0	mg/Kg	1	✱	6010C	Total/NA
Manganese	195	B	0.22	0.035	mg/Kg	1	✱	6010C	Total/NA
Nickel	3.6	J	5.4	0.25	mg/Kg	1	✱	6010C	Total/NA
Potassium	706		32.5	21.7	mg/Kg	1	✱	6010C	Total/NA
Sodium	142	J	152	14.1	mg/Kg	1	✱	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

## Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-77902-1

### Client Sample ID: CHF-2 (Continued)

### Lab Sample ID: 480-77902-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	7.8		0.54	0.12	mg/Kg	1	☼	6010C	Total/NA
Zinc	60.7	B	2.2	0.17	mg/Kg	1	☼	6010C	Total/NA

### Client Sample ID: CHF-3

### Lab Sample ID: 480-77902-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	51	J B	350	22	ug/Kg	1	☼	8270D	Total/NA
Diethyl phthalate	55	J B	350	16	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	17	J	350	13	ug/Kg	1	☼	8270D	Total/NA
Endosulfan sulfate	0.52	J	1.8	0.33	ug/Kg	1	☼	8081B	Total/NA
Aluminum	2980		10.7	4.7	mg/Kg	1	☼	6010C	Total/NA
Arsenic	2.1		2.1	0.43	mg/Kg	1	☼	6010C	Total/NA
Barium	12.7		0.53	0.12	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.18	J	0.21	0.030	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.18	J	0.21	0.032	mg/Kg	1	☼	6010C	Total/NA
Calcium	53400	B	53.5	3.5	mg/Kg	1	☼	6010C	Total/NA
Chromium	4.0		0.53	0.21	mg/Kg	1	☼	6010C	Total/NA
Cobalt	2.2		0.53	0.053	mg/Kg	1	☼	6010C	Total/NA
Copper	7.7		1.1	0.22	mg/Kg	1	☼	6010C	Total/NA
Iron	5960		10.7	1.2	mg/Kg	1	☼	6010C	Total/NA
Lead	8.3	B	1.1	0.26	mg/Kg	1	☼	6010C	Total/NA
Magnesium	23300	B	21.4	0.99	mg/Kg	1	☼	6010C	Total/NA
Manganese	218	B	0.21	0.034	mg/Kg	1	☼	6010C	Total/NA
Nickel	4.9	J	5.3	0.25	mg/Kg	1	☼	6010C	Total/NA
Potassium	755		32.1	21.4	mg/Kg	1	☼	6010C	Total/NA
Sodium	165		150	13.9	mg/Kg	1	☼	6010C	Total/NA
Vanadium	8.7		0.53	0.12	mg/Kg	1	☼	6010C	Total/NA
Zinc	70.4	B	2.1	0.16	mg/Kg	1	☼	6010C	Total/NA

### Client Sample ID: CHF-4

### Lab Sample ID: 480-77902-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	65	J B	370	23	ug/Kg	1	☼	8270D	Total/NA
Diethyl phthalate	63	J B	370	17	ug/Kg	1	☼	8270D	Total/NA
Aluminum	2670		11.0	4.8	mg/Kg	1	☼	6010C	Total/NA
Arsenic	1.2	J	2.2	0.44	mg/Kg	1	☼	6010C	Total/NA
Barium	13.2		0.55	0.12	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.15	J	0.22	0.031	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.20	J	0.22	0.033	mg/Kg	1	☼	6010C	Total/NA
Calcium	47600	B	54.8	3.6	mg/Kg	1	☼	6010C	Total/NA
Chromium	4.0		0.55	0.22	mg/Kg	1	☼	6010C	Total/NA
Cobalt	2.0		0.55	0.055	mg/Kg	1	☼	6010C	Total/NA
Copper	6.1		1.1	0.23	mg/Kg	1	☼	6010C	Total/NA
Iron	5420		11.0	1.2	mg/Kg	1	☼	6010C	Total/NA
Lead	7.6	B	1.1	0.26	mg/Kg	1	☼	6010C	Total/NA
Magnesium	21400	B	21.9	1.0	mg/Kg	1	☼	6010C	Total/NA
Manganese	213	B	0.22	0.035	mg/Kg	1	☼	6010C	Total/NA
Nickel	4.0	J	5.5	0.25	mg/Kg	1	☼	6010C	Total/NA
Potassium	803		32.9	21.9	mg/Kg	1	☼	6010C	Total/NA
Sodium	256		154	14.3	mg/Kg	1	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo



# Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-77902-1

## Client Sample ID: CHF-4 (Continued)

## Lab Sample ID: 480-77902-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	9.6		0.55	0.12	mg/Kg	1	☼	6010C	Total/NA
Zinc	67.1	B	2.2	0.17	mg/Kg	1	☼	6010C	Total/NA

## Client Sample ID: CHF-5

## Lab Sample ID: 480-77902-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	84	J B	370	23	ug/Kg	1	☼	8270D	Total/NA
Diethyl phthalate	87	J B	370	17	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	41	J	370	13	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	28	J	370	13	ug/Kg	1	☼	8270D	Total/NA
Pyrene	34	J	370	16	ug/Kg	1	☼	8270D	Total/NA
Aluminum	3100		11.1	4.9	mg/Kg	1	☼	6010C	Total/NA
Arsenic	1.6	J	2.2	0.44	mg/Kg	1	☼	6010C	Total/NA
Barium	15.1		0.56	0.12	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.18	J	0.22	0.031	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.18	J	0.22	0.033	mg/Kg	1	☼	6010C	Total/NA
Calcium	50700	B	55.6	3.7	mg/Kg	1	☼	6010C	Total/NA
Chromium	4.5		0.56	0.22	mg/Kg	1	☼	6010C	Total/NA
Cobalt	2.1		0.56	0.056	mg/Kg	1	☼	6010C	Total/NA
Copper	7.0		1.1	0.23	mg/Kg	1	☼	6010C	Total/NA
Iron	5960		11.1	1.2	mg/Kg	1	☼	6010C	Total/NA
Lead	8.6	B	1.1	0.27	mg/Kg	1	☼	6010C	Total/NA
Magnesium	19300	B	22.2	1.0	mg/Kg	1	☼	6010C	Total/NA
Manganese	215	B	0.22	0.036	mg/Kg	1	☼	6010C	Total/NA
Nickel	4.9	J	5.6	0.26	mg/Kg	1	☼	6010C	Total/NA
Potassium	923		33.4	22.2	mg/Kg	1	☼	6010C	Total/NA
Sodium	203		156	14.5	mg/Kg	1	☼	6010C	Total/NA
Vanadium	10.4		0.56	0.12	mg/Kg	1	☼	6010C	Total/NA
Zinc	65.4	B	2.2	0.17	mg/Kg	1	☼	6010C	Total/NA

## Client Sample ID: CHF-1A

## Lab Sample ID: 480-77902-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.68	J	5.4	0.26	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	3.0	J B	5.4	2.5	ug/Kg	1	☼	8260C	Total/NA
Toluene	0.92	J	5.4	0.41	ug/Kg	1	☼	8260C	Total/NA

## Client Sample ID: CHF-1B

## Lab Sample ID: 480-77902-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.45	J	5.3	0.26	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	2.6	J B	5.3	2.4	ug/Kg	1	☼	8260C	Total/NA
Toluene	0.83	J	5.3	0.40	ug/Kg	1	☼	8260C	Total/NA

## Client Sample ID: CHF-2A

## Lab Sample ID: 480-77902-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.46	J	5.2	0.26	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	2.5	J B	5.2	2.4	ug/Kg	1	☼	8260C	Total/NA
Toluene	0.81	J	5.2	0.39	ug/Kg	1	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

## Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-77902-1

### Client Sample ID: CHF-2B

### Lab Sample ID: 480-77902-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzene	0.42	J	5.3	0.26	ug/Kg	1		✱	8260C	Total/NA
Methylene Chloride	2.8	J B	5.3	2.4	ug/Kg	1		✱	8260C	Total/NA
Toluene	0.84	J	5.3	0.40	ug/Kg	1		✱	8260C	Total/NA

### Client Sample ID: CHF-3A

### Lab Sample ID: 480-77902-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzene	0.44	J	5.2	0.26	ug/Kg	1		✱	8260C	Total/NA
Methylene Chloride	2.5	J B	5.2	2.4	ug/Kg	1		✱	8260C	Total/NA
Toluene	0.78	J	5.2	0.40	ug/Kg	1		✱	8260C	Total/NA

### Client Sample ID: CHF-3B

### Lab Sample ID: 480-77902-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzene	0.74	J	5.2	0.26	ug/Kg	1		✱	8260C	Total/NA
Methylene Chloride	2.6	J B	5.2	2.4	ug/Kg	1		✱	8260C	Total/NA
Toluene	1.3	J	5.2	0.40	ug/Kg	1		✱	8260C	Total/NA

### Client Sample ID: CHF-4A

### Lab Sample ID: 480-77902-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzene	0.50	J	5.4	0.27	ug/Kg	1		✱	8260C	Total/NA
Methylene Chloride	3.0	J B	5.4	2.5	ug/Kg	1		✱	8260C	Total/NA
Styrene	0.29	J	5.4	0.27	ug/Kg	1		✱	8260C	Total/NA
Toluene	1.1	J	5.4	0.41	ug/Kg	1		✱	8260C	Total/NA

### Client Sample ID: CHF-4B

### Lab Sample ID: 480-77902-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzene	0.79	J	5.4	0.26	ug/Kg	1		✱	8260C	Total/NA
Methylene Chloride	3.1	J B	5.4	2.5	ug/Kg	1		✱	8260C	Total/NA
Toluene	1.1	J	5.4	0.41	ug/Kg	1		✱	8260C	Total/NA

### Client Sample ID: CHF-5A

### Lab Sample ID: 480-77902-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzene	0.45	J	5.3	0.26	ug/Kg	1		✱	8260C	Total/NA
Methylene Chloride	2.6	J B	5.3	2.4	ug/Kg	1		✱	8260C	Total/NA
Toluene	0.78	J	5.3	0.40	ug/Kg	1		✱	8260C	Total/NA

### Client Sample ID: CHF-5B

### Lab Sample ID: 480-77902-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzene	0.49	J	5.5	0.27	ug/Kg	1		✱	8260C	Total/NA
Methylene Chloride	3.9	J	5.5	2.5	ug/Kg	1		✱	8260C	Total/NA
Toluene	0.64	J	5.5	0.42	ug/Kg	1		✱	8260C	Total/NA

### Client Sample ID: CRS-1

### Lab Sample ID: 480-77902-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
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This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

# Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-77902-1

Client Sample ID: CRS-1 (Continued)

Lab Sample ID: 480-77902-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Methylene Chloride	3.7	J	5.0	2.3	ug/Kg	1		✱	8260C	Total/NA
Bis(2-ethylhexyl) phthalate	59	J B	340	22	ug/Kg	1		✱	8270D	Total/NA
Diethyl phthalate	41	J B	340	16	ug/Kg	1		✱	8270D	Total/NA
Phenanthrene	32	J	340	13	ug/Kg	1		✱	8270D	Total/NA
Aluminum	2000		11.0	4.8	mg/Kg	1		✱	6010C	Total/NA
Arsenic	3.4		2.2	0.44	mg/Kg	1		✱	6010C	Total/NA
Barium	16.8		0.55	0.12	mg/Kg	1		✱	6010C	Total/NA
Beryllium	0.12	J	0.22	0.031	mg/Kg	1		✱	6010C	Total/NA
Cadmium	0.81		0.22	0.033	mg/Kg	1		✱	6010C	Total/NA
Calcium	184000	B	275	18.1	mg/Kg	5		✱	6010C	Total/NA
Chromium	4.4		0.55	0.22	mg/Kg	1		✱	6010C	Total/NA
Cobalt	1.4		0.55	0.055	mg/Kg	1		✱	6010C	Total/NA
Copper	3.5	J	5.5	1.2	mg/Kg	5		✱	6010C	Total/NA
Iron	6210		11.0	1.2	mg/Kg	1		✱	6010C	Total/NA
Lead	147	B	1.1	0.26	mg/Kg	1		✱	6010C	Total/NA
Magnesium	114000	B	110	5.1	mg/Kg	5		✱	6010C	Total/NA
Manganese	524	B	0.22	0.035	mg/Kg	1		✱	6010C	Total/NA
Nickel	4.1	J	5.5	0.25	mg/Kg	1		✱	6010C	Total/NA
Potassium	1270		33.0	22.0	mg/Kg	1		✱	6010C	Total/NA
Sodium	242		154	14.3	mg/Kg	1		✱	6010C	Total/NA
Vanadium	7.7		0.55	0.12	mg/Kg	1		✱	6010C	Total/NA
Zinc	199	B	2.2	0.17	mg/Kg	1		✱	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-77902-1

**Client Sample ID: CHF-1**

**Lab Sample ID: 480-77902-1**

**Date Collected: 04/07/15 00:00**

**Matrix: Solid**

**Date Received: 04/07/15 15:40**

**Percent Solids: 91.6**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		920	38	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
2,4,6-Trichlorophenol	ND		370	38	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
2,4-Dichlorophenol	ND		370	37	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
2,4-Dimethylphenol	ND		370	58	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
2,4-Dinitrophenol	ND		920	160	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
2,4-Dinitrotoluene	ND		370	27	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
2,6-Dinitrotoluene	ND		370	33	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
2-Chloronaphthalene	ND		370	48	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
2-Chlorophenol	ND		370	38	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
2-Methylnaphthalene	ND		370	17	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
2-Methylphenol	ND		370	44	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
2-Nitroaniline	ND		920	41	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
2-Nitrophenol	ND		370	41	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
3 & 4 Methylphenol	ND		750	82	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
3,3'-Dichlorobenzidine	ND		370	53	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
3-Nitroaniline	ND		920	42	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
4,6-Dinitro-2-methylphenol	ND		920	110	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
4-Bromophenyl phenyl ether	ND		370	20	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
4-Chloro-3-methylphenol	ND		370	44	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
4-Chloroaniline	ND		370	36	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
4-Chlorophenyl phenyl ether	ND		370	17	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
4-Nitroaniline	ND		920	36	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
4-Nitrophenol	ND		920	93	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
Acenaphthene	ND		370	14	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
Acenaphthylene	ND		370	17	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
Acetophenone	ND		370	18	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
Anthracene	ND		370	16	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
Atrazine	ND		370	18	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
Benzaldehyde	ND		370	18	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
Benzo(a)anthracene	ND		370	14	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
Benzo(a)pyrene	ND		370	13	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
Benzo(b)fluoranthene	ND		370	26	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
Benzo(g,h,i)perylene	ND		370	14	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
Benzo(k)fluoranthene	ND		370	33	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
Biphenyl	ND		370	17	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
bis (2-chloroisopropyl) ether	ND		370	18	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
Bis(2-chloroethoxy)methane	ND		370	17	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
Bis(2-chloroethyl)ether	ND		370	17	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
<b>Bis(2-ethylhexyl) phthalate</b>	<b>100</b>	<b>J B</b>	370	23	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
Butyl benzyl phthalate	ND		370	22	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
Caprolactam	ND		370	39	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
Carbazole	ND		370	17	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
Chrysene	ND		370	20	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
Dibenz(a,h)anthracene	ND		370	12	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
Dibenzofuran	ND		370	18	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
<b>Diethyl phthalate</b>	<b>42</b>	<b>J</b>	370	17	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
Dimethyl phthalate	ND		370	17	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
<b>Di-n-butyl phthalate</b>	<b>17</b>	<b>J B</b>	370	17	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
Di-n-octyl phthalate	ND		370	26	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-77902-1

**Client Sample ID: CHF-1**

**Lab Sample ID: 480-77902-1**

**Date Collected: 04/07/15 00:00**

**Matrix: Solid**

**Date Received: 04/07/15 15:40**

**Percent Solids: 91.6**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Fluoranthene</b>	<b>28</b>	<b>J</b>	370	13	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
Fluorene	ND		370	17	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
Hexachlorobenzene	ND		370	51	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
Hexachlorobutadiene	ND		370	39	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
Hexachlorocyclopentadiene	ND		370	72	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
Hexachloroethane	ND		370	38	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
Indeno(1,2,3-cd)pyrene	ND		370	16	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
Isophorone	ND		370	47	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
Naphthalene	ND		370	17	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
Nitrobenzene	ND		370	46	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
N-Nitrosodi-n-propylamine	ND		370	51	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
N-Nitrosodiphenylamine	ND		370	18	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
Pentachlorophenol	ND		920	76	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
Phenanthrene	ND		370	13	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
Phenol	ND		370	44	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1
<b>Pyrene</b>	<b>24</b>	<b>J</b>	370	16	ug/Kg	☼	04/13/15 08:37	04/14/15 10:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	76		25 - 135	04/13/15 08:37	04/14/15 10:14	1
2-Fluorobiphenyl	86		35 - 110	04/13/15 08:37	04/14/15 10:14	1
2-Fluorophenol	85		30 - 135	04/13/15 08:37	04/14/15 10:14	1
Nitrobenzene-d5	74		35 - 110	04/13/15 08:37	04/14/15 10:14	1
Phenol-d5	86		30 - 130	04/13/15 08:37	04/14/15 10:14	1
Terphenyl-d14 (Surr)	83		30 - 130	04/13/15 08:37	04/14/15 10:14	1

## Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.8	0.35	ug/Kg	☼	04/09/15 16:11	04/10/15 14:50	1
<b>4,4'-DDE</b>	<b>0.43</b>	<b>J</b>	1.8	0.37	ug/Kg	☼	04/09/15 16:11	04/10/15 14:50	1
<b>4,4'-DDT</b>	<b>0.65</b>	<b>J B</b>	1.8	0.42	ug/Kg	☼	04/09/15 16:11	04/10/15 14:50	1
Aldrin	ND		1.8	0.44	ug/Kg	☼	04/09/15 16:11	04/10/15 14:50	1
alpha-BHC	ND		1.8	0.32	ug/Kg	☼	04/09/15 16:11	04/10/15 14:50	1
alpha-Chlordane	ND		1.8	0.89	ug/Kg	☼	04/09/15 16:11	04/10/15 14:50	1
beta-BHC	ND		1.8	0.32	ug/Kg	☼	04/09/15 16:11	04/10/15 14:50	1
<b>delta-BHC</b>	<b>0.45</b>	<b>J</b>	1.8	0.33	ug/Kg	☼	04/09/15 16:11	04/10/15 14:50	1
Dieldrin	ND		1.8	0.43	ug/Kg	☼	04/09/15 16:11	04/10/15 14:50	1
Endosulfan I	ND		1.8	0.34	ug/Kg	☼	04/09/15 16:11	04/10/15 14:50	1
Endosulfan II	ND		1.8	0.32	ug/Kg	☼	04/09/15 16:11	04/10/15 14:50	1
Endosulfan sulfate	ND		1.8	0.33	ug/Kg	☼	04/09/15 16:11	04/10/15 14:50	1
Endrin	ND		1.8	0.35	ug/Kg	☼	04/09/15 16:11	04/10/15 14:50	1
<b>Endrin aldehyde</b>	<b>0.67</b>	<b>J</b>	1.8	0.45	ug/Kg	☼	04/09/15 16:11	04/10/15 14:50	1
Endrin ketone	ND		1.8	0.44	ug/Kg	☼	04/09/15 16:11	04/10/15 14:50	1
gamma-BHC (Lindane)	ND		1.8	0.33	ug/Kg	☼	04/09/15 16:11	04/10/15 14:50	1
gamma-Chlordane	ND		1.8	0.57	ug/Kg	☼	04/09/15 16:11	04/10/15 14:50	1
Heptachlor	ND		1.8	0.39	ug/Kg	☼	04/09/15 16:11	04/10/15 14:50	1
Heptachlor epoxide	ND		1.8	0.46	ug/Kg	☼	04/09/15 16:11	04/10/15 14:50	1
Methoxychlor	ND		1.8	0.36	ug/Kg	☼	04/09/15 16:11	04/10/15 14:50	1
Toxaphene	ND		18	10	ug/Kg	☼	04/09/15 16:11	04/10/15 14:50	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-77902-1

**Client Sample ID: CHF-1**

**Lab Sample ID: 480-77902-1**

**Date Collected: 04/07/15 00:00**

**Matrix: Solid**

**Date Received: 04/07/15 15:40**

**Percent Solids: 91.6**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	84		32 - 136	04/09/15 16:11	04/10/15 14:50	1
Tetrachloro-m-xylene	83		30 - 124	04/09/15 16:11	04/10/15 14:50	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	☼	04/09/15 17:30	04/10/15 14:45	1
PCB-1221	ND		0.26	0.050	mg/Kg	☼	04/09/15 17:30	04/10/15 14:45	1
PCB-1232	ND		0.26	0.050	mg/Kg	☼	04/09/15 17:30	04/10/15 14:45	1
PCB-1242	ND		0.26	0.050	mg/Kg	☼	04/09/15 17:30	04/10/15 14:45	1
PCB-1248	ND		0.26	0.050	mg/Kg	☼	04/09/15 17:30	04/10/15 14:45	1
PCB-1254	ND		0.26	0.12	mg/Kg	☼	04/09/15 17:30	04/10/15 14:45	1
PCB-1260	ND		0.26	0.12	mg/Kg	☼	04/09/15 17:30	04/10/15 14:45	1
PCB-1262	ND		0.26	0.12	mg/Kg	☼	04/09/15 17:30	04/10/15 14:45	1
PCB-1268	ND		0.26	0.12	mg/Kg	☼	04/09/15 17:30	04/10/15 14:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	99		46 - 175	04/09/15 17:30	04/10/15 14:45	1
DCB Decachlorobiphenyl	99		47 - 176	04/09/15 17:30	04/10/15 14:45	1

## Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		18	5.7	ug/Kg	☼	04/08/15 11:35	04/17/15 05:22	1
2,4-D	ND		18	11	ug/Kg	☼	04/08/15 11:35	04/17/15 05:22	1
Silvex (2,4,5-TP)	ND		18	6.4	ug/Kg	☼	04/08/15 11:35	04/17/15 05:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	76		39 - 120	04/08/15 11:35	04/17/15 05:22	1

## Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2900	F1	10.2	4.5	mg/Kg	☼	04/09/15 15:30	04/10/15 21:24	1
Antimony	ND		15.3	0.41	mg/Kg	☼	04/09/15 15:30	04/10/15 21:24	1
Arsenic	1.5	J	2.0	0.41	mg/Kg	☼	04/09/15 15:30	04/11/15 18:06	1
Barium	12.8		0.51	0.11	mg/Kg	☼	04/09/15 15:30	04/11/15 18:06	1
Beryllium	0.19	J	0.20	0.029	mg/Kg	☼	04/09/15 15:30	04/10/15 21:24	1
Cadmium	0.21		0.20	0.031	mg/Kg	☼	04/09/15 15:30	04/10/15 21:24	1
Calcium	52600	B	51.1	3.4	mg/Kg	☼	04/09/15 15:30	04/10/15 21:24	1
Chromium	4.1		0.51	0.20	mg/Kg	☼	04/09/15 15:30	04/10/15 21:24	1
Cobalt	1.9		0.51	0.051	mg/Kg	☼	04/09/15 15:30	04/10/15 21:24	1
Copper	7.4		1.0	0.21	mg/Kg	☼	04/09/15 15:30	04/10/15 21:24	1
Iron	5510	F1	10.2	1.1	mg/Kg	☼	04/09/15 15:30	04/10/15 21:24	1
Lead	7.2	B	1.0	0.25	mg/Kg	☼	04/09/15 15:30	04/10/15 21:24	1
Magnesium	24300	B	20.4	0.95	mg/Kg	☼	04/09/15 15:30	04/10/15 21:24	1
Manganese	239	B	0.20	0.033	mg/Kg	☼	04/09/15 15:30	04/10/15 21:24	1
Nickel	4.2	J	5.1	0.23	mg/Kg	☼	04/09/15 15:30	04/10/15 21:24	1
Potassium	787	F1	30.6	20.4	mg/Kg	☼	04/09/15 15:30	04/10/15 21:24	1
Selenium	ND		4.1	0.41	mg/Kg	☼	04/09/15 15:30	04/10/15 21:24	1
Silver	ND	F2	0.51	0.20	mg/Kg	☼	04/09/15 15:30	04/10/15 21:24	1
Sodium	173		143	13.3	mg/Kg	☼	04/09/15 15:30	04/10/15 21:24	1
Thallium	ND		6.1	0.31	mg/Kg	☼	04/09/15 15:30	04/10/15 21:24	1
Vanadium	9.0		0.51	0.11	mg/Kg	☼	04/09/15 15:30	04/10/15 21:24	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-77902-1

## Client Sample ID: CHF-1

Date Collected: 04/07/15 00:00

Date Received: 04/07/15 15:40

## Lab Sample ID: 480-77902-1

Matrix: Solid

Percent Solids: 91.6

### Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	68.4	B F1	2.0	0.16	mg/Kg	☼	04/09/15 15:30	04/10/15 21:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.022	0.0090	mg/Kg	☼	04/16/15 14:35	04/16/15 15:44	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		1.1	0.53	mg/Kg	☼	04/14/15 15:30	04/15/15 13:16	1

## Client Sample ID: CHF-2

Date Collected: 04/07/15 00:00

Date Received: 04/07/15 15:40

## Lab Sample ID: 480-77902-2

Matrix: Solid

Percent Solids: 92.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		880	36	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
2,4,6-Trichlorophenol	ND		350	36	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
2,4-Dichlorophenol	ND		350	35	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
2,4-Dimethylphenol	ND		350	55	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
2,4-Dinitrophenol	ND		880	150	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
2,4-Dinitrotoluene	ND		350	26	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
2,6-Dinitrotoluene	ND		350	32	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
2-Chloronaphthalene	ND		350	46	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
2-Chlorophenol	ND		350	36	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
2-Methylnaphthalene	ND		350	16	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
2-Methylphenol	ND		350	43	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
2-Nitroaniline	ND		880	39	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
2-Nitrophenol	ND		350	39	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
3 & 4 Methylphenol	ND		710	79	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
3,3'-Dichlorobenzidine	ND		350	51	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
3-Nitroaniline	ND		880	41	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
4,6-Dinitro-2-methylphenol	ND		880	100	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
4-Bromophenyl phenyl ether	ND		350	19	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
4-Chloro-3-methylphenol	ND		350	43	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
4-Chloroaniline	ND		350	34	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
4-Chlorophenyl phenyl ether	ND		350	16	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
4-Nitroaniline	ND		880	34	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
4-Nitrophenol	ND		880	90	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
Acenaphthene	ND		350	14	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
Acenaphthylene	ND		350	16	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
Acetophenone	ND		350	17	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
Anthracene	ND		350	15	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
Atrazine	ND		350	17	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
Benzaldehyde	ND		350	17	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
Benzo(a)anthracene	ND		350	14	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
Benzo(a)pyrene	ND		350	13	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
Benzo(b)fluoranthene	ND		350	25	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
Benzo(g,h,i)perylene	ND		350	14	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
Benzo(k)fluoranthene	ND		350	32	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1

TestAmerica Buffalo



# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-77902-1

Client Sample ID: CHF-2

Lab Sample ID: 480-77902-2

Date Collected: 04/07/15 00:00

Matrix: Solid

Date Received: 04/07/15 15:40

Percent Solids: 92.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		350	16	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
bis (2-chloroisopropyl) ether	ND		350	17	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
Bis(2-chloroethoxy)methane	ND		350	16	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
Bis(2-chloroethyl)ether	ND		350	16	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
<b>Bis(2-ethylhexyl) phthalate</b>	<b>59</b>	<b>J B</b>	350	22	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
Butyl benzyl phthalate	ND		350	21	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
Caprolactam	ND		350	37	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
Carbazole	ND		350	16	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
Chrysene	ND		350	19	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
Dibenz(a,h)anthracene	ND		350	12	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
Dibenzofuran	ND		350	17	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
Diethyl phthalate	ND		350	16	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
Dimethyl phthalate	ND		350	16	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
Di-n-butyl phthalate	ND		350	16	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
Di-n-octyl phthalate	ND		350	25	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
Fluoranthene	ND		350	13	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
Fluorene	ND		350	16	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
Hexachlorobenzene	ND		350	49	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
Hexachlorobutadiene	ND		350	37	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
Hexachlorocyclopentadiene	ND		350	69	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
Hexachloroethane	ND		350	36	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
Indeno(1,2,3-cd)pyrene	ND		350	15	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
Isophorone	ND		350	45	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
Naphthalene	ND		350	16	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
Nitrobenzene	ND		350	44	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
N-Nitrosodi-n-propylamine	ND		350	49	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
N-Nitrosodiphenylamine	ND		350	17	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
Pentachlorophenol	ND		880	73	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
Phenanthrene	ND		350	13	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
Phenol	ND		350	43	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1
Pyrene	ND		350	15	ug/Kg	☼	04/13/15 08:37	04/14/15 12:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	79		25 - 135	04/13/15 08:37	04/14/15 12:19	1
2-Fluorobiphenyl	87		35 - 110	04/13/15 08:37	04/14/15 12:19	1
2-Fluorophenol	87		30 - 135	04/13/15 08:37	04/14/15 12:19	1
Nitrobenzene-d5	75		35 - 110	04/13/15 08:37	04/14/15 12:19	1
Phenol-d5	92		30 - 130	04/13/15 08:37	04/14/15 12:19	1
Terphenyl-d14 (Surr)	85		30 - 130	04/13/15 08:37	04/14/15 12:19	1

## Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.8	0.35	ug/Kg	☼	04/09/15 16:11	04/10/15 15:07	1
<b>4,4'-DDE</b>	<b>0.40</b>	<b>J</b>	1.8	0.37	ug/Kg	☼	04/09/15 16:11	04/10/15 15:07	1
4,4'-DDT	ND		1.8	0.42	ug/Kg	☼	04/09/15 16:11	04/10/15 15:07	1
Aldrin	ND		1.8	0.44	ug/Kg	☼	04/09/15 16:11	04/10/15 15:07	1
alpha-BHC	ND		1.8	0.32	ug/Kg	☼	04/09/15 16:11	04/10/15 15:07	1
alpha-Chlordane	ND		1.8	0.88	ug/Kg	☼	04/09/15 16:11	04/10/15 15:07	1
beta-BHC	ND		1.8	0.32	ug/Kg	☼	04/09/15 16:11	04/10/15 15:07	1
<b>delta-BHC</b>	<b>0.46</b>	<b>J</b>	1.8	0.33	ug/Kg	☼	04/09/15 16:11	04/10/15 15:07	1

TestAmerica Buffalo



# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-77902-1

**Client Sample ID: CHF-2**

**Lab Sample ID: 480-77902-2**

**Date Collected: 04/07/15 00:00**

**Matrix: Solid**

**Date Received: 04/07/15 15:40**

**Percent Solids: 92.4**

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	ND		1.8	0.43	ug/Kg	☼	04/09/15 16:11	04/10/15 15:07	1
Endosulfan I	ND		1.8	0.34	ug/Kg	☼	04/09/15 16:11	04/10/15 15:07	1
Endosulfan II	ND		1.8	0.32	ug/Kg	☼	04/09/15 16:11	04/10/15 15:07	1
Endosulfan sulfate	ND		1.8	0.33	ug/Kg	☼	04/09/15 16:11	04/10/15 15:07	1
Endrin	ND		1.8	0.35	ug/Kg	☼	04/09/15 16:11	04/10/15 15:07	1
Endrin aldehyde	ND		1.8	0.45	ug/Kg	☼	04/09/15 16:11	04/10/15 15:07	1
Endrin ketone	ND		1.8	0.44	ug/Kg	☼	04/09/15 16:11	04/10/15 15:07	1
gamma-BHC (Lindane)	ND		1.8	0.33	ug/Kg	☼	04/09/15 16:11	04/10/15 15:07	1
gamma-Chlordane	ND		1.8	0.56	ug/Kg	☼	04/09/15 16:11	04/10/15 15:07	1
Heptachlor	ND		1.8	0.38	ug/Kg	☼	04/09/15 16:11	04/10/15 15:07	1
Heptachlor epoxide	ND		1.8	0.46	ug/Kg	☼	04/09/15 16:11	04/10/15 15:07	1
Methoxychlor	ND		1.8	0.36	ug/Kg	☼	04/09/15 16:11	04/10/15 15:07	1
Toxaphene	ND		18	10	ug/Kg	☼	04/09/15 16:11	04/10/15 15:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	90		32 - 136	04/09/15 16:11	04/10/15 15:07	1
Tetrachloro-m-xylene	86		30 - 124	04/09/15 16:11	04/10/15 15:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.21	0.041	mg/Kg	☼	04/09/15 17:30	04/10/15 15:17	1
PCB-1221	ND		0.21	0.041	mg/Kg	☼	04/09/15 17:30	04/10/15 15:17	1
PCB-1232	ND		0.21	0.041	mg/Kg	☼	04/09/15 17:30	04/10/15 15:17	1
PCB-1242	ND		0.21	0.041	mg/Kg	☼	04/09/15 17:30	04/10/15 15:17	1
PCB-1248	ND		0.21	0.041	mg/Kg	☼	04/09/15 17:30	04/10/15 15:17	1
PCB-1254	ND		0.21	0.099	mg/Kg	☼	04/09/15 17:30	04/10/15 15:17	1
PCB-1260	ND		0.21	0.099	mg/Kg	☼	04/09/15 17:30	04/10/15 15:17	1
PCB-1262	ND		0.21	0.099	mg/Kg	☼	04/09/15 17:30	04/10/15 15:17	1
PCB-1268	ND		0.21	0.099	mg/Kg	☼	04/09/15 17:30	04/10/15 15:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	105		46 - 175	04/09/15 17:30	04/10/15 15:17	1
DCB Decachlorobiphenyl	94		47 - 176	04/09/15 17:30	04/10/15 15:17	1

## Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		18	5.7	ug/Kg	☼	04/08/15 11:35	04/17/15 05:51	1
2,4-D	ND		18	11	ug/Kg	☼	04/08/15 11:35	04/17/15 05:51	1
Silvex (2,4,5-TP)	ND		18	6.4	ug/Kg	☼	04/08/15 11:35	04/17/15 05:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	73		39 - 120	04/08/15 11:35	04/17/15 05:51	1

## Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2310		10.8	4.8	mg/Kg	☼	04/09/15 15:30	04/10/15 21:38	1
Antimony	ND		16.3	0.43	mg/Kg	☼	04/09/15 15:30	04/10/15 21:38	1
Arsenic	1.2	J	2.2	0.43	mg/Kg	☼	04/09/15 15:30	04/11/15 18:20	1
Barium	10.2		0.54	0.12	mg/Kg	☼	04/09/15 15:30	04/11/15 18:20	1
Beryllium	0.14	J	0.22	0.030	mg/Kg	☼	04/09/15 15:30	04/10/15 21:38	1
Cadmium	0.20	J	0.22	0.033	mg/Kg	☼	04/09/15 15:30	04/10/15 21:38	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-77902-1

**Client Sample ID: CHF-2**

**Lab Sample ID: 480-77902-2**

**Date Collected: 04/07/15 00:00**

**Matrix: Solid**

**Date Received: 04/07/15 15:40**

**Percent Solids: 92.4**

## Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	44800	B	54.2	3.6	mg/Kg	☼	04/09/15 15:30	04/10/15 21:38	1
Chromium	3.3		0.54	0.22	mg/Kg	☼	04/09/15 15:30	04/10/15 21:38	1
Cobalt	1.7		0.54	0.054	mg/Kg	☼	04/09/15 15:30	04/10/15 21:38	1
Copper	6.2		1.1	0.23	mg/Kg	☼	04/09/15 15:30	04/10/15 21:38	1
Iron	4600		10.8	1.2	mg/Kg	☼	04/09/15 15:30	04/10/15 21:38	1
Lead	6.6	B	1.1	0.26	mg/Kg	☼	04/09/15 15:30	04/10/15 21:38	1
Magnesium	20400	B	21.7	1.0	mg/Kg	☼	04/09/15 15:30	04/10/15 21:38	1
Manganese	195	B	0.22	0.035	mg/Kg	☼	04/09/15 15:30	04/10/15 21:38	1
Nickel	3.6	J	5.4	0.25	mg/Kg	☼	04/09/15 15:30	04/10/15 21:38	1
Potassium	706		32.5	21.7	mg/Kg	☼	04/09/15 15:30	04/10/15 21:38	1
Selenium	ND		4.3	0.43	mg/Kg	☼	04/09/15 15:30	04/10/15 21:38	1
Silver	ND		0.54	0.22	mg/Kg	☼	04/09/15 15:30	04/10/15 21:38	1
Sodium	142	J	152	14.1	mg/Kg	☼	04/09/15 15:30	04/10/15 21:38	1
Thallium	ND		6.5	0.33	mg/Kg	☼	04/09/15 15:30	04/10/15 21:38	1
Vanadium	7.8		0.54	0.12	mg/Kg	☼	04/09/15 15:30	04/10/15 21:38	1
Zinc	60.7	B	2.2	0.17	mg/Kg	☼	04/09/15 15:30	04/10/15 21:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.022	0.0089	mg/Kg	☼	04/16/15 14:35	04/16/15 15:51	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		1.1	0.51	mg/Kg	☼	04/10/15 15:51	04/11/15 11:02	1

**Client Sample ID: CHF-3**

**Lab Sample ID: 480-77902-3**

**Date Collected: 04/07/15 00:00**

**Matrix: Solid**

**Date Received: 04/07/15 15:40**

**Percent Solids: 93.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		870	36	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
2,4,6-Trichlorophenol	ND		350	36	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
2,4-Dichlorophenol	ND		350	35	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
2,4-Dimethylphenol	ND		350	55	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
2,4-Dinitrophenol	ND		870	150	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
2,4-Dinitrotoluene	ND		350	25	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
2,6-Dinitrotoluene	ND		350	32	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
2-Chloronaphthalene	ND		350	45	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
2-Chlorophenol	ND		350	36	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
2-Methylnaphthalene	ND		350	16	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
2-Methylphenol	ND		350	42	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
2-Nitroaniline	ND		870	39	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
2-Nitrophenol	ND		350	39	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
3 & 4 Methylphenol	ND		700	78	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
3,3'-Dichlorobenzidine	ND		350	50	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
3-Nitroaniline	ND		870	40	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
4,6-Dinitro-2-methylphenol	ND		870	100	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
4-Bromophenyl phenyl ether	ND		350	19	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
4-Chloro-3-methylphenol	ND		350	42	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-77902-1

Client Sample ID: CHF-3

Lab Sample ID: 480-77902-3

Date Collected: 04/07/15 00:00

Matrix: Solid

Date Received: 04/07/15 15:40

Percent Solids: 93.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	ND		350	34	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
4-Chlorophenyl phenyl ether	ND		350	16	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
4-Nitroaniline	ND		870	34	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
4-Nitrophenol	ND		870	88	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
Acenaphthene	ND		350	14	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
Acenaphthylene	ND		350	16	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
Acetophenone	ND		350	17	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
Anthracene	ND		350	15	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
Atrazine	ND		350	17	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
Benzaldehyde	ND		350	17	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
Benzo(a)anthracene	ND		350	14	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
Benzo(a)pyrene	ND		350	13	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
Benzo(b)fluoranthene	ND		350	24	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
Benzo(g,h,i)perylene	ND		350	14	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
Benzo(k)fluoranthene	ND		350	32	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
Biphenyl	ND		350	16	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
bis (2-chloroisopropyl) ether	ND		350	17	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
Bis(2-chloroethoxy)methane	ND		350	16	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
Bis(2-chloroethyl)ether	ND		350	16	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
<b>Bis(2-ethylhexyl) phthalate</b>	<b>51</b>	<b>J B</b>	350	22	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
Butyl benzyl phthalate	ND		350	21	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
Caprolactam	ND		350	37	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
Carbazole	ND		350	16	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
Chrysene	ND		350	19	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
Dibenz(a,h)anthracene	ND		350	12	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
Dibenzofuran	ND		350	17	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
<b>Diethyl phthalate</b>	<b>55</b>	<b>J B</b>	350	16	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
Dimethyl phthalate	ND		350	16	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
Di-n-butyl phthalate	ND		350	16	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
Di-n-octyl phthalate	ND		350	24	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
<b>Fluoranthene</b>	<b>17</b>	<b>J</b>	350	13	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
Fluorene	ND		350	16	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
Hexachlorobenzene	ND		350	48	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
Hexachlorobutadiene	ND		350	37	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
Hexachlorocyclopentadiene	ND		350	68	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
Hexachloroethane	ND		350	36	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
Indeno(1,2,3-cd)pyrene	ND		350	15	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
Isophorone	ND		350	44	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
Naphthalene	ND		350	16	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
Nitrobenzene	ND		350	43	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
N-Nitrosodi-n-propylamine	ND		350	48	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
N-Nitrosodiphenylamine	ND		350	17	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
Pentachlorophenol	ND		870	71	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
Phenanthrene	ND		350	13	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
Phenol	ND		350	42	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
Pyrene	ND		350	15	ug/Kg	☼	04/13/15 08:37	04/14/15 13:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	80		25 - 135				04/13/15 08:37	04/14/15 13:01	1
2-Fluorobiphenyl	88		35 - 110				04/13/15 08:37	04/14/15 13:01	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-77902-1

**Client Sample ID: CHF-3**

**Lab Sample ID: 480-77902-3**

**Date Collected: 04/07/15 00:00**

**Matrix: Solid**

**Date Received: 04/07/15 15:40**

**Percent Solids: 93.5**

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol	87		30 - 135	04/13/15 08:37	04/14/15 13:01	1
Nitrobenzene-d5	74		35 - 110	04/13/15 08:37	04/14/15 13:01	1
Phenol-d5	90		30 - 130	04/13/15 08:37	04/14/15 13:01	1
Terphenyl-d14 (Surr)	85		30 - 130	04/13/15 08:37	04/14/15 13:01	1

## Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.8	0.34	ug/Kg	☼	04/09/15 16:11	04/10/15 15:25	1
4,4'-DDE	ND		1.8	0.37	ug/Kg	☼	04/09/15 16:11	04/10/15 15:25	1
4,4'-DDT	ND		1.8	0.41	ug/Kg	☼	04/09/15 16:11	04/10/15 15:25	1
Aldrin	ND		1.8	0.43	ug/Kg	☼	04/09/15 16:11	04/10/15 15:25	1
alpha-BHC	ND		1.8	0.32	ug/Kg	☼	04/09/15 16:11	04/10/15 15:25	1
alpha-Chlordane	ND		1.8	0.88	ug/Kg	☼	04/09/15 16:11	04/10/15 15:25	1
beta-BHC	ND		1.8	0.32	ug/Kg	☼	04/09/15 16:11	04/10/15 15:25	1
delta-BHC	ND		1.8	0.33	ug/Kg	☼	04/09/15 16:11	04/10/15 15:25	1
Dieldrin	ND		1.8	0.42	ug/Kg	☼	04/09/15 16:11	04/10/15 15:25	1
Endosulfan I	ND		1.8	0.34	ug/Kg	☼	04/09/15 16:11	04/10/15 15:25	1
Endosulfan II	ND		1.8	0.32	ug/Kg	☼	04/09/15 16:11	04/10/15 15:25	1
Endosulfan sulfate	0.52	J	1.8	0.33	ug/Kg	☼	04/09/15 16:11	04/10/15 15:25	1
Endrin	ND		1.8	0.35	ug/Kg	☼	04/09/15 16:11	04/10/15 15:25	1
Endrin aldehyde	ND		1.8	0.45	ug/Kg	☼	04/09/15 16:11	04/10/15 15:25	1
Endrin ketone	ND		1.8	0.43	ug/Kg	☼	04/09/15 16:11	04/10/15 15:25	1
gamma-BHC (Lindane)	ND		1.8	0.32	ug/Kg	☼	04/09/15 16:11	04/10/15 15:25	1
gamma-Chlordane	ND		1.8	0.56	ug/Kg	☼	04/09/15 16:11	04/10/15 15:25	1
Heptachlor	ND		1.8	0.38	ug/Kg	☼	04/09/15 16:11	04/10/15 15:25	1
Heptachlor epoxide	ND		1.8	0.45	ug/Kg	☼	04/09/15 16:11	04/10/15 15:25	1
Methoxychlor	ND		1.8	0.36	ug/Kg	☼	04/09/15 16:11	04/10/15 15:25	1
Toxaphene	ND		18	10	ug/Kg	☼	04/09/15 16:11	04/10/15 15:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	96		32 - 136	04/09/15 16:11	04/10/15 15:25	1
Tetrachloro-m-xylene	87		30 - 124	04/09/15 16:11	04/10/15 15:25	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	0.048	mg/Kg	☼	04/09/15 17:30	04/10/15 15:33	1
PCB-1221	ND		0.24	0.048	mg/Kg	☼	04/09/15 17:30	04/10/15 15:33	1
PCB-1232	ND		0.24	0.048	mg/Kg	☼	04/09/15 17:30	04/10/15 15:33	1
PCB-1242	ND		0.24	0.048	mg/Kg	☼	04/09/15 17:30	04/10/15 15:33	1
PCB-1248	ND		0.24	0.048	mg/Kg	☼	04/09/15 17:30	04/10/15 15:33	1
PCB-1254	ND		0.24	0.11	mg/Kg	☼	04/09/15 17:30	04/10/15 15:33	1
PCB-1260	ND		0.24	0.11	mg/Kg	☼	04/09/15 17:30	04/10/15 15:33	1
PCB-1262	ND		0.24	0.11	mg/Kg	☼	04/09/15 17:30	04/10/15 15:33	1
PCB-1268	ND		0.24	0.11	mg/Kg	☼	04/09/15 17:30	04/10/15 15:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	100		46 - 175	04/09/15 17:30	04/10/15 15:33	1
DCB Decachlorobiphenyl	99		47 - 176	04/09/15 17:30	04/10/15 15:33	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-77902-1

**Client Sample ID: CHF-3**

**Lab Sample ID: 480-77902-3**

**Date Collected: 04/07/15 00:00**

**Matrix: Solid**

**Date Received: 04/07/15 15:40**

**Percent Solids: 93.5**

## Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		18	5.6	ug/Kg	☼	04/08/15 11:35	04/17/15 06:21	1
2,4-D	ND		18	11	ug/Kg	☼	04/08/15 11:35	04/17/15 06:21	1
Silvex (2,4,5-TP)	ND		18	6.3	ug/Kg	☼	04/08/15 11:35	04/17/15 06:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	67		39 - 120				04/08/15 11:35	04/17/15 06:21	1

## Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2980		10.7	4.7	mg/Kg	☼	04/09/15 15:30	04/10/15 21:41	1
Antimony	ND		16.0	0.43	mg/Kg	☼	04/09/15 15:30	04/10/15 21:41	1
Arsenic	2.1		2.1	0.43	mg/Kg	☼	04/09/15 15:30	04/11/15 18:23	1
Barium	12.7		0.53	0.12	mg/Kg	☼	04/09/15 15:30	04/11/15 18:23	1
Beryllium	0.18	J	0.21	0.030	mg/Kg	☼	04/09/15 15:30	04/10/15 21:41	1
Cadmium	0.18	J	0.21	0.032	mg/Kg	☼	04/09/15 15:30	04/10/15 21:41	1
Calcium	53400	B	53.5	3.5	mg/Kg	☼	04/09/15 15:30	04/10/15 21:41	1
Chromium	4.0		0.53	0.21	mg/Kg	☼	04/09/15 15:30	04/10/15 21:41	1
Cobalt	2.2		0.53	0.053	mg/Kg	☼	04/09/15 15:30	04/10/15 21:41	1
Copper	7.7		1.1	0.22	mg/Kg	☼	04/09/15 15:30	04/10/15 21:41	1
Iron	5960		10.7	1.2	mg/Kg	☼	04/09/15 15:30	04/10/15 21:41	1
Lead	8.3	B	1.1	0.26	mg/Kg	☼	04/09/15 15:30	04/10/15 21:41	1
Magnesium	23300	B	21.4	0.99	mg/Kg	☼	04/09/15 15:30	04/10/15 21:41	1
Manganese	218	B	0.21	0.034	mg/Kg	☼	04/09/15 15:30	04/10/15 21:41	1
Nickel	4.9	J	5.3	0.25	mg/Kg	☼	04/09/15 15:30	04/10/15 21:41	1
Potassium	755		32.1	21.4	mg/Kg	☼	04/09/15 15:30	04/10/15 21:41	1
Selenium	ND		4.3	0.43	mg/Kg	☼	04/09/15 15:30	04/10/15 21:41	1
Silver	ND		0.53	0.21	mg/Kg	☼	04/09/15 15:30	04/10/15 21:41	1
Sodium	165		150	13.9	mg/Kg	☼	04/09/15 15:30	04/10/15 21:41	1
Thallium	ND		6.4	0.32	mg/Kg	☼	04/09/15 15:30	04/10/15 21:41	1
Vanadium	8.7		0.53	0.12	mg/Kg	☼	04/09/15 15:30	04/10/15 21:41	1
Zinc	70.4	B	2.1	0.16	mg/Kg	☼	04/09/15 15:30	04/10/15 21:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.021	0.0087	mg/Kg	☼	04/16/15 14:35	04/16/15 15:53	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		1.1	0.51	mg/Kg	☼	04/10/15 15:51	04/11/15 11:03	1

**Client Sample ID: CHF-4**

**Lab Sample ID: 480-77902-4**

**Date Collected: 04/07/15 00:00**

**Matrix: Solid**

**Date Received: 04/07/15 15:40**

**Percent Solids: 90.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		930	38	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
2,4,6-Trichlorophenol	ND		370	38	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
2,4-Dichlorophenol	ND		370	37	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
2,4-Dimethylphenol	ND		370	58	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
2,4-Dinitrophenol	ND		930	160	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-77902-1

Client Sample ID: CHF-4

Lab Sample ID: 480-77902-4

Date Collected: 04/07/15 00:00

Matrix: Solid

Date Received: 04/07/15 15:40

Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		370	27	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
2,6-Dinitrotoluene	ND		370	33	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
2-Chloronaphthalene	ND		370	48	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
2-Chlorophenol	ND		370	38	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
2-Methylnaphthalene	ND		370	17	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
2-Methylphenol	ND		370	45	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
2-Nitroaniline	ND		930	41	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
2-Nitrophenol	ND		370	41	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
3 & 4 Methylphenol	ND		750	83	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
3,3'-Dichlorobenzidine	ND		370	54	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
3-Nitroaniline	ND		930	42	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
4,6-Dinitro-2-methylphenol	ND		930	110	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
4-Bromophenyl phenyl ether	ND		370	20	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
4-Chloro-3-methylphenol	ND		370	45	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
4-Chloroaniline	ND		370	36	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
4-Chlorophenyl phenyl ether	ND		370	17	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
4-Nitroaniline	ND		930	36	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
4-Nitrophenol	ND		930	94	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
Acenaphthene	ND		370	15	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
Acenaphthylene	ND		370	17	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
Acetophenone	ND		370	18	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
Anthracene	ND		370	16	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
Atrazine	ND		370	18	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
Benzaldehyde	ND		370	18	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
Benzo(a)anthracene	ND		370	15	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
Benzo(a)pyrene	ND		370	13	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
Benzo(b)fluoranthene	ND		370	26	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
Benzo(g,h,i)perylene	ND		370	15	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
Benzo(k)fluoranthene	ND		370	33	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
Biphenyl	ND		370	17	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
bis (2-chloroisopropyl) ether	ND		370	18	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
Bis(2-chloroethoxy)methane	ND		370	17	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
Bis(2-chloroethyl)ether	ND		370	17	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
<b>Bis(2-ethylhexyl) phthalate</b>	<b>65</b>	<b>J B</b>	370	23	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
Butyl benzyl phthalate	ND		370	22	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
Caprolactam	ND		370	39	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
Carbazole	ND		370	17	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
Chrysene	ND		370	20	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
Dibenz(a,h)anthracene	ND		370	12	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
Dibenzofuran	ND		370	18	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
<b>Diethyl phthalate</b>	<b>63</b>	<b>J B</b>	370	17	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
Dimethyl phthalate	ND		370	17	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
Di-n-butyl phthalate	ND		370	17	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
Di-n-octyl phthalate	ND		370	26	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
Fluoranthene	ND		370	13	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
Fluorene	ND		370	17	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
Hexachlorobenzene	ND		370	51	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
Hexachlorobutadiene	ND		370	39	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
Hexachlorocyclopentadiene	ND		370	73	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-77902-1

Client Sample ID: CHF-4

Lab Sample ID: 480-77902-4

Date Collected: 04/07/15 00:00

Matrix: Solid

Date Received: 04/07/15 15:40

Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		370	38	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
Indeno(1,2,3-cd)pyrene	ND		370	16	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
Isophorone	ND		370	47	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
Naphthalene	ND		370	17	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
Nitrobenzene	ND		370	46	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
N-Nitrosodi-n-propylamine	ND		370	51	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
N-Nitrosodiphenylamine	ND		370	18	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
Pentachlorophenol	ND		930	76	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
Phenanthrene	ND		370	13	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
Phenol	ND		370	45	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1
Pyrene	ND		370	16	ug/Kg	☼	04/13/15 08:37	04/14/15 13:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	70		25 - 135	04/13/15 08:37	04/14/15 13:42	1
2-Fluorobiphenyl	81		35 - 110	04/13/15 08:37	04/14/15 13:42	1
2-Fluorophenol	81		30 - 135	04/13/15 08:37	04/14/15 13:42	1
Nitrobenzene-d5	72		35 - 110	04/13/15 08:37	04/14/15 13:42	1
Phenol-d5	85		30 - 130	04/13/15 08:37	04/14/15 13:42	1
Terphenyl-d14 (Surr)	79		30 - 130	04/13/15 08:37	04/14/15 13:42	1

## Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.8	0.35	ug/Kg	☼	04/09/15 16:11	04/10/15 15:43	1
4,4'-DDE	ND		1.8	0.38	ug/Kg	☼	04/09/15 16:11	04/10/15 15:43	1
4,4'-DDT	ND		1.8	0.43	ug/Kg	☼	04/09/15 16:11	04/10/15 15:43	1
Aldrin	ND		1.8	0.45	ug/Kg	☼	04/09/15 16:11	04/10/15 15:43	1
alpha-BHC	ND		1.8	0.33	ug/Kg	☼	04/09/15 16:11	04/10/15 15:43	1
alpha-Chlordane	ND		1.8	0.91	ug/Kg	☼	04/09/15 16:11	04/10/15 15:43	1
beta-BHC	ND		1.8	0.33	ug/Kg	☼	04/09/15 16:11	04/10/15 15:43	1
delta-BHC	ND		1.8	0.34	ug/Kg	☼	04/09/15 16:11	04/10/15 15:43	1
Dieldrin	ND		1.8	0.44	ug/Kg	☼	04/09/15 16:11	04/10/15 15:43	1
Endosulfan I	ND		1.8	0.35	ug/Kg	☼	04/09/15 16:11	04/10/15 15:43	1
Endosulfan II	ND		1.8	0.33	ug/Kg	☼	04/09/15 16:11	04/10/15 15:43	1
Endosulfan sulfate	ND		1.8	0.34	ug/Kg	☼	04/09/15 16:11	04/10/15 15:43	1
Endrin	ND		1.8	0.36	ug/Kg	☼	04/09/15 16:11	04/10/15 15:43	1
Endrin aldehyde	ND		1.8	0.47	ug/Kg	☼	04/09/15 16:11	04/10/15 15:43	1
Endrin ketone	ND		1.8	0.45	ug/Kg	☼	04/09/15 16:11	04/10/15 15:43	1
gamma-BHC (Lindane)	ND		1.8	0.33	ug/Kg	☼	04/09/15 16:11	04/10/15 15:43	1
gamma-Chlordane	ND		1.8	0.58	ug/Kg	☼	04/09/15 16:11	04/10/15 15:43	1
Heptachlor	ND		1.8	0.39	ug/Kg	☼	04/09/15 16:11	04/10/15 15:43	1
Heptachlor epoxide	ND		1.8	0.47	ug/Kg	☼	04/09/15 16:11	04/10/15 15:43	1
Methoxychlor	ND		1.8	0.37	ug/Kg	☼	04/09/15 16:11	04/10/15 15:43	1
Toxaphene	ND		18	11	ug/Kg	☼	04/09/15 16:11	04/10/15 15:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	77		32 - 136	04/09/15 16:11	04/10/15 15:43	1
Tetrachloro-m-xylene	78		30 - 124	04/09/15 16:11	04/10/15 15:43	1

TestAmerica Buffalo



# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-77902-1

**Client Sample ID: CHF-4**

**Lab Sample ID: 480-77902-4**

**Date Collected: 04/07/15 00:00**

**Matrix: Solid**

**Date Received: 04/07/15 15:40**

**Percent Solids: 90.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.21	0.041	mg/Kg	☼	04/09/15 17:30	04/10/15 15:49	1
PCB-1221	ND		0.21	0.041	mg/Kg	☼	04/09/15 17:30	04/10/15 15:49	1
PCB-1232	ND		0.21	0.041	mg/Kg	☼	04/09/15 17:30	04/10/15 15:49	1
PCB-1242	ND		0.21	0.041	mg/Kg	☼	04/09/15 17:30	04/10/15 15:49	1
PCB-1248	ND		0.21	0.041	mg/Kg	☼	04/09/15 17:30	04/10/15 15:49	1
PCB-1254	ND		0.21	0.097	mg/Kg	☼	04/09/15 17:30	04/10/15 15:49	1
PCB-1260	ND		0.21	0.097	mg/Kg	☼	04/09/15 17:30	04/10/15 15:49	1
PCB-1262	ND		0.21	0.097	mg/Kg	☼	04/09/15 17:30	04/10/15 15:49	1
PCB-1268	ND		0.21	0.097	mg/Kg	☼	04/09/15 17:30	04/10/15 15:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	94		46 - 175				04/09/15 17:30	04/10/15 15:49	1
DCB Decachlorobiphenyl	85		47 - 176				04/09/15 17:30	04/10/15 15:49	1

## Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		18	5.8	ug/Kg	☼	04/08/15 11:35	04/17/15 06:50	1
2,4-D	ND		18	11	ug/Kg	☼	04/08/15 11:35	04/17/15 06:50	1
Silvex (2,4,5-TP)	ND		18	6.5	ug/Kg	☼	04/08/15 11:35	04/17/15 06:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	77		39 - 120				04/08/15 11:35	04/17/15 06:50	1

## Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2670		11.0	4.8	mg/Kg	☼	04/09/15 15:30	04/10/15 21:52	1
Antimony	ND		16.4	0.44	mg/Kg	☼	04/09/15 15:30	04/10/15 21:52	1
Arsenic	1.2	J	2.2	0.44	mg/Kg	☼	04/09/15 15:30	04/11/15 18:34	1
Barium	13.2		0.55	0.12	mg/Kg	☼	04/09/15 15:30	04/11/15 18:34	1
Beryllium	0.15	J	0.22	0.031	mg/Kg	☼	04/09/15 15:30	04/10/15 21:52	1
Cadmium	0.20	J	0.22	0.033	mg/Kg	☼	04/09/15 15:30	04/10/15 21:52	1
Calcium	47600	B	54.8	3.6	mg/Kg	☼	04/09/15 15:30	04/10/15 21:52	1
Chromium	4.0		0.55	0.22	mg/Kg	☼	04/09/15 15:30	04/10/15 21:52	1
Cobalt	2.0		0.55	0.055	mg/Kg	☼	04/09/15 15:30	04/10/15 21:52	1
Copper	6.1		1.1	0.23	mg/Kg	☼	04/09/15 15:30	04/10/15 21:52	1
Iron	5420		11.0	1.2	mg/Kg	☼	04/09/15 15:30	04/10/15 21:52	1
Lead	7.6	B	1.1	0.26	mg/Kg	☼	04/09/15 15:30	04/10/15 21:52	1
Magnesium	21400	B	21.9	1.0	mg/Kg	☼	04/09/15 15:30	04/10/15 21:52	1
Manganese	213	B	0.22	0.035	mg/Kg	☼	04/09/15 15:30	04/10/15 21:52	1
Nickel	4.0	J	5.5	0.25	mg/Kg	☼	04/09/15 15:30	04/10/15 21:52	1
Potassium	803		32.9	21.9	mg/Kg	☼	04/09/15 15:30	04/10/15 21:52	1
Selenium	ND		4.4	0.44	mg/Kg	☼	04/09/15 15:30	04/10/15 21:52	1
Silver	ND		0.55	0.22	mg/Kg	☼	04/09/15 15:30	04/10/15 21:52	1
Sodium	256		154	14.3	mg/Kg	☼	04/09/15 15:30	04/10/15 21:52	1
Thallium	ND		6.6	0.33	mg/Kg	☼	04/09/15 15:30	04/10/15 21:52	1
Vanadium	9.6		0.55	0.12	mg/Kg	☼	04/09/15 15:30	04/10/15 21:52	1
Zinc	67.1	B	2.2	0.17	mg/Kg	☼	04/09/15 15:30	04/10/15 21:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.022	0.0089	mg/Kg	☼	04/16/15 14:35	04/16/15 15:55	1

TestAmerica Buffalo



# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-77902-1

**Client Sample ID: CHF-4**

**Lab Sample ID: 480-77902-4**

**Date Collected: 04/07/15 00:00**

**Matrix: Solid**

**Date Received: 04/07/15 15:40**

**Percent Solids: 90.7**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		1.1	0.53	mg/Kg	☼	04/10/15 15:51	04/11/15 11:06	1

**Client Sample ID: CHF-5**

**Lab Sample ID: 480-77902-5**

**Date Collected: 04/07/15 00:00**

**Matrix: Solid**

**Date Received: 04/07/15 15:40**

**Percent Solids: 91.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		930	38	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
2,4,6-Trichlorophenol	ND		370	38	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
2,4-Dichlorophenol	ND		370	37	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
2,4-Dimethylphenol	ND		370	58	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
2,4-Dinitrophenol	ND		930	160	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
2,4-Dinitrotoluene	ND		370	27	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
2,6-Dinitrotoluene	ND		370	34	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
2-Chloronaphthalene	ND		370	48	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
2-Chlorophenol	ND		370	38	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
2-Methylnaphthalene	ND		370	17	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
2-Methylphenol	ND		370	45	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
2-Nitroaniline	ND		930	41	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
2-Nitrophenol	ND		370	41	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
3 & 4 Methylphenol	ND		750	83	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
3,3'-Dichlorobenzidine	ND		370	54	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
3-Nitroaniline	ND		930	43	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
4,6-Dinitro-2-methylphenol	ND		930	110	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
4-Bromophenyl phenyl ether	ND		370	20	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
4-Chloro-3-methylphenol	ND		370	45	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
4-Chloroaniline	ND		370	36	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
4-Chlorophenyl phenyl ether	ND		370	17	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
4-Nitroaniline	ND		930	36	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
4-Nitrophenol	ND		930	94	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
Acenaphthene	ND		370	15	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
Acenaphthylene	ND		370	17	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
Acetophenone	ND		370	18	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
Anthracene	ND		370	16	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
Atrazine	ND		370	18	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
Benzaldehyde	ND		370	18	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
Benzo(a)anthracene	ND		370	15	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
Benzo(a)pyrene	ND		370	13	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
Benzo(b)fluoranthene	ND		370	26	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
Benzo(g,h,i)perylene	ND		370	15	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
Benzo(k)fluoranthene	ND		370	34	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
Biphenyl	ND		370	17	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
bis (2-chloroisopropyl) ether	ND		370	18	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
Bis(2-chloroethoxy)methane	ND		370	17	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
Bis(2-chloroethyl)ether	ND		370	17	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
<b>Bis(2-ethylhexyl) phthalate</b>	<b>84</b>	<b>J B</b>	370	23	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
Butyl benzyl phthalate	ND		370	22	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
Caprolactam	ND		370	39	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
Carbazole	ND		370	17	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-77902-1

**Client Sample ID: CHF-5**

**Lab Sample ID: 480-77902-5**

**Date Collected: 04/07/15 00:00**

**Matrix: Solid**

**Date Received: 04/07/15 15:40**

**Percent Solids: 91.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		370	20	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
Dibenz(a,h)anthracene	ND		370	12	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
Dibenzofuran	ND		370	18	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
Diethyl phthalate	87	J B	370	17	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
Dimethyl phthalate	ND		370	17	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
Di-n-butyl phthalate	ND		370	17	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
Di-n-octyl phthalate	ND		370	26	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
Fluoranthene	41	J	370	13	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
Fluorene	ND		370	17	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
Hexachlorobenzene	ND		370	51	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
Hexachlorobutadiene	ND		370	39	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
Hexachlorocyclopentadiene	ND		370	73	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
Hexachloroethane	ND		370	38	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
Indeno(1,2,3-cd)pyrene	ND		370	16	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
Isophorone	ND		370	47	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
Naphthalene	ND		370	17	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
Nitrobenzene	ND		370	46	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
N-Nitrosodi-n-propylamine	ND		370	51	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
N-Nitrosodiphenylamine	ND		370	18	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
Pentachlorophenol	ND		930	76	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
Phenanthrene	28	J	370	13	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
Phenol	ND		370	45	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1
Pyrene	34	J	370	16	ug/Kg	☼	04/13/15 08:37	04/14/15 14:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	81		25 - 135	04/13/15 08:37	04/14/15 14:24	1
2-Fluorobiphenyl	93		35 - 110	04/13/15 08:37	04/14/15 14:24	1
2-Fluorophenol	92		30 - 135	04/13/15 08:37	04/14/15 14:24	1
Nitrobenzene-d5	79		35 - 110	04/13/15 08:37	04/14/15 14:24	1
Phenol-d5	96		30 - 130	04/13/15 08:37	04/14/15 14:24	1
Terphenyl-d14 (Surr)	90		30 - 130	04/13/15 08:37	04/14/15 14:24	1

## Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.8	0.35	ug/Kg	☼	04/09/15 16:11	04/10/15 16:01	1
4,4'-DDE	ND		1.8	0.37	ug/Kg	☼	04/09/15 16:11	04/10/15 16:01	1
4,4'-DDT	ND		1.8	0.42	ug/Kg	☼	04/09/15 16:11	04/10/15 16:01	1
Aldrin	ND		1.8	0.44	ug/Kg	☼	04/09/15 16:11	04/10/15 16:01	1
alpha-BHC	ND		1.8	0.32	ug/Kg	☼	04/09/15 16:11	04/10/15 16:01	1
alpha-Chlordane	ND		1.8	0.88	ug/Kg	☼	04/09/15 16:11	04/10/15 16:01	1
beta-BHC	ND		1.8	0.32	ug/Kg	☼	04/09/15 16:11	04/10/15 16:01	1
delta-BHC	ND		1.8	0.33	ug/Kg	☼	04/09/15 16:11	04/10/15 16:01	1
Dieldrin	ND		1.8	0.43	ug/Kg	☼	04/09/15 16:11	04/10/15 16:01	1
Endosulfan I	ND		1.8	0.34	ug/Kg	☼	04/09/15 16:11	04/10/15 16:01	1
Endosulfan II	ND		1.8	0.32	ug/Kg	☼	04/09/15 16:11	04/10/15 16:01	1
Endosulfan sulfate	ND		1.8	0.33	ug/Kg	☼	04/09/15 16:11	04/10/15 16:01	1
Endrin	ND		1.8	0.35	ug/Kg	☼	04/09/15 16:11	04/10/15 16:01	1
Endrin aldehyde	ND		1.8	0.45	ug/Kg	☼	04/09/15 16:11	04/10/15 16:01	1
Endrin ketone	ND		1.8	0.44	ug/Kg	☼	04/09/15 16:11	04/10/15 16:01	1
gamma-BHC (Lindane)	ND		1.8	0.33	ug/Kg	☼	04/09/15 16:11	04/10/15 16:01	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-77902-1

**Client Sample ID: CHF-5**

**Lab Sample ID: 480-77902-5**

**Date Collected: 04/07/15 00:00**

**Matrix: Solid**

**Date Received: 04/07/15 15:40**

**Percent Solids: 91.4**

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-Chlordane	ND		1.8	0.56	ug/Kg	☼	04/09/15 16:11	04/10/15 16:01	1
Heptachlor	ND		1.8	0.38	ug/Kg	☼	04/09/15 16:11	04/10/15 16:01	1
Heptachlor epoxide	ND		1.8	0.46	ug/Kg	☼	04/09/15 16:11	04/10/15 16:01	1
Methoxychlor	ND		1.8	0.36	ug/Kg	☼	04/09/15 16:11	04/10/15 16:01	1
Toxaphene	ND		18	10	ug/Kg	☼	04/09/15 16:11	04/10/15 16:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	81		32 - 136				04/09/15 16:11	04/10/15 16:01	1
Tetrachloro-m-xylene	74		30 - 124				04/09/15 16:11	04/10/15 16:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.21	0.040	mg/Kg	☼	04/09/15 17:30	04/10/15 16:04	1
PCB-1221	ND		0.21	0.040	mg/Kg	☼	04/09/15 17:30	04/10/15 16:04	1
PCB-1232	ND		0.21	0.040	mg/Kg	☼	04/09/15 17:30	04/10/15 16:04	1
PCB-1242	ND		0.21	0.040	mg/Kg	☼	04/09/15 17:30	04/10/15 16:04	1
PCB-1248	ND		0.21	0.040	mg/Kg	☼	04/09/15 17:30	04/10/15 16:04	1
PCB-1254	ND		0.21	0.096	mg/Kg	☼	04/09/15 17:30	04/10/15 16:04	1
PCB-1260	ND		0.21	0.096	mg/Kg	☼	04/09/15 17:30	04/10/15 16:04	1
PCB-1262	ND		0.21	0.096	mg/Kg	☼	04/09/15 17:30	04/10/15 16:04	1
PCB-1268	ND		0.21	0.096	mg/Kg	☼	04/09/15 17:30	04/10/15 16:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	99		46 - 175				04/09/15 17:30	04/10/15 16:04	1
DCB Decachlorobiphenyl	96		47 - 176				04/09/15 17:30	04/10/15 16:04	1

## Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		18	5.8	ug/Kg	☼	04/08/15 11:35	04/17/15 07:20	1
2,4-D	ND		18	11	ug/Kg	☼	04/08/15 11:35	04/17/15 07:20	1
Silvex (2,4,5-TP)	ND		18	6.5	ug/Kg	☼	04/08/15 11:35	04/17/15 07:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	79		39 - 120				04/08/15 11:35	04/17/15 07:20	1

## Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	3100		11.1	4.9	mg/Kg	☼	04/09/15 15:30	04/10/15 21:54	1
Antimony	ND		16.7	0.44	mg/Kg	☼	04/09/15 15:30	04/10/15 21:54	1
Arsenic	1.6	J	2.2	0.44	mg/Kg	☼	04/09/15 15:30	04/11/15 18:37	1
Barium	15.1		0.56	0.12	mg/Kg	☼	04/09/15 15:30	04/11/15 18:37	1
Beryllium	0.18	J	0.22	0.031	mg/Kg	☼	04/09/15 15:30	04/10/15 21:54	1
Cadmium	0.18	J	0.22	0.033	mg/Kg	☼	04/09/15 15:30	04/10/15 21:54	1
Calcium	50700	B	55.6	3.7	mg/Kg	☼	04/09/15 15:30	04/10/15 21:54	1
Chromium	4.5		0.56	0.22	mg/Kg	☼	04/09/15 15:30	04/10/15 21:54	1
Cobalt	2.1		0.56	0.056	mg/Kg	☼	04/09/15 15:30	04/10/15 21:54	1
Copper	7.0		1.1	0.23	mg/Kg	☼	04/09/15 15:30	04/10/15 21:54	1
Iron	5960		11.1	1.2	mg/Kg	☼	04/09/15 15:30	04/10/15 21:54	1
Lead	8.6	B	1.1	0.27	mg/Kg	☼	04/09/15 15:30	04/10/15 21:54	1
Magnesium	19300	B	22.2	1.0	mg/Kg	☼	04/09/15 15:30	04/10/15 21:54	1
Manganese	215	B	0.22	0.036	mg/Kg	☼	04/09/15 15:30	04/10/15 21:54	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-77902-1

**Client Sample ID: CHF-5**

**Date Collected: 04/07/15 00:00**

**Date Received: 04/07/15 15:40**

**Lab Sample ID: 480-77902-5**

**Matrix: Solid**

**Percent Solids: 91.4**

## Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	4.9	J	5.6	0.26	mg/Kg	☼	04/09/15 15:30	04/10/15 21:54	1
Potassium	923		33.4	22.2	mg/Kg	☼	04/09/15 15:30	04/10/15 21:54	1
Selenium	ND		4.4	0.44	mg/Kg	☼	04/09/15 15:30	04/10/15 21:54	1
Silver	ND		0.56	0.22	mg/Kg	☼	04/09/15 15:30	04/10/15 21:54	1
Sodium	203		156	14.5	mg/Kg	☼	04/09/15 15:30	04/10/15 21:54	1
Thallium	ND		6.7	0.33	mg/Kg	☼	04/09/15 15:30	04/10/15 21:54	1
Vanadium	10.4		0.56	0.12	mg/Kg	☼	04/09/15 15:30	04/10/15 21:54	1
Zinc	65.4	B	2.2	0.17	mg/Kg	☼	04/09/15 15:30	04/10/15 21:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.021	0.0086	mg/Kg	☼	04/16/15 14:35	04/16/15 15:56	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		1.1	0.52	mg/Kg	☼	04/10/15 15:51	04/11/15 11:08	1

**Client Sample ID: CHF-1A**

**Date Collected: 04/07/15 00:00**

**Date Received: 04/07/15 15:40**

**Lab Sample ID: 480-77902-6**

**Matrix: Solid**

**Percent Solids: 92.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.4	0.39	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
1,1,2,2-Tetrachloroethane	ND		5.4	0.87	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	1.2	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
1,1,2-Trichloroethane	ND		5.4	0.70	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
1,1-Dichloroethane	ND		5.4	0.66	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
1,1-Dichloroethene	ND		5.4	0.66	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
1,2,4-Trichlorobenzene	ND	F1	5.4	0.33	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
1,2-Dibromo-3-Chloropropane	ND		5.4	2.7	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
1,2-Dichlorobenzene	ND		5.4	0.42	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
1,2-Dichloroethane	ND		5.4	0.27	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
1,2-Dichloropropane	ND		5.4	2.7	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
1,3-Dichlorobenzene	ND		5.4	0.28	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
1,4-Dichlorobenzene	ND		5.4	0.76	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
2-Hexanone	ND		27	2.7	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
Acetone	ND		27	4.5	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
Benzene	0.68	J	5.4	0.26	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
Bromomethane	ND		5.4	0.49	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
Carbon disulfide	ND		5.4	2.7	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
Carbon tetrachloride	ND		5.4	0.52	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
Chlorobenzene	ND		5.4	0.71	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
Dibromochloromethane	ND		5.4	0.69	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
Chloroethane	ND		5.4	1.2	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
Chloroform	ND		5.4	0.33	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
Chloromethane	ND		5.4	0.33	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
cis-1,2-Dichloroethene	ND		5.4	0.69	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
cis-1,3-Dichloropropene	ND		5.4	0.78	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-77902-1

**Client Sample ID: CHF-1A**

**Lab Sample ID: 480-77902-6**

**Date Collected: 04/07/15 00:00**

**Matrix: Solid**

**Date Received: 04/07/15 15:40**

**Percent Solids: 92.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		5.4	0.76	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
Bromodichloromethane	ND		5.4	0.72	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
Dichlorodifluoromethane	ND		5.4	0.45	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
Ethylbenzene	ND		5.4	0.37	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
1,2-Dibromoethane	ND		5.4	0.69	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
Isopropylbenzene	ND		5.4	0.81	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
Methyl acetate	ND		5.4	3.3	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
2-Butanone (MEK)	ND		27	2.0	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
4-Methyl-2-pentanone (MIBK)	ND		27	1.8	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
Methyl tert-butyl ether	ND		5.4	0.53	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
Methylcyclohexane	ND		5.4	0.82	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
<b>Methylene Chloride</b>	<b>3.0</b>	<b>J B</b>	5.4	2.5	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
Styrene	ND		5.4	0.27	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
Tetrachloroethene	ND		5.4	0.72	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
<b>Toluene</b>	<b>0.92</b>	<b>J</b>	5.4	0.41	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
trans-1,2-Dichloroethene	ND		5.4	0.56	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
Trichloroethene	ND		5.4	1.2	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
Trichlorofluoromethane	ND		5.4	0.51	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
Vinyl chloride	ND		5.4	0.66	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1
Xylenes, Total	ND		11	0.91	ug/Kg	☼	04/08/15 11:20	04/08/15 18:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		64 - 126	04/08/15 11:20	04/08/15 18:07	1
Toluene-d8 (Surr)	102		71 - 125	04/08/15 11:20	04/08/15 18:07	1
4-Bromofluorobenzene (Surr)	98		72 - 126	04/08/15 11:20	04/08/15 18:07	1
Dibromofluoromethane (Surr)	98		60 - 140	04/08/15 11:20	04/08/15 18:07	1

**Client Sample ID: CHF-1B**

**Lab Sample ID: 480-77902-7**

**Date Collected: 04/07/15 00:00**

**Matrix: Solid**

**Date Received: 04/07/15 15:40**

**Percent Solids: 93.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.3	0.38	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
1,1,2,2-Tetrachloroethane	ND		5.3	0.85	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	1.2	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
1,1,2-Trichloroethane	ND		5.3	0.68	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
1,1-Dichloroethane	ND		5.3	0.64	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
1,1-Dichloroethene	ND		5.3	0.64	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
1,2,4-Trichlorobenzene	ND		5.3	0.32	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
1,2-Dibromo-3-Chloropropane	ND		5.3	2.6	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
1,2-Dichlorobenzene	ND		5.3	0.41	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
1,2-Dichloroethane	ND		5.3	0.26	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
1,2-Dichloropropane	ND		5.3	2.6	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
1,3-Dichlorobenzene	ND		5.3	0.27	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
1,4-Dichlorobenzene	ND		5.3	0.74	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
2-Hexanone	ND		26	2.6	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
Acetone	ND		26	4.4	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
<b>Benzene</b>	<b>0.45</b>	<b>J</b>	5.3	0.26	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-77902-1

**Client Sample ID: CHF-1B**

**Lab Sample ID: 480-77902-7**

**Date Collected: 04/07/15 00:00**

**Matrix: Solid**

**Date Received: 04/07/15 15:40**

**Percent Solids: 93.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.3	2.6	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
Bromomethane	ND		5.3	0.47	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
Carbon disulfide	ND		5.3	2.6	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
Carbon tetrachloride	ND		5.3	0.51	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
Chlorobenzene	ND		5.3	0.69	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
Dibromochloromethane	ND		5.3	0.67	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
Chloroethane	ND		5.3	1.2	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
Chloroform	ND		5.3	0.32	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
Chloromethane	ND		5.3	0.32	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
cis-1,2-Dichloroethene	ND		5.3	0.67	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
cis-1,3-Dichloropropene	ND		5.3	0.76	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
Cyclohexane	ND		5.3	0.74	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
Bromodichloromethane	ND		5.3	0.70	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
Dichlorodifluoromethane	ND		5.3	0.43	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
Ethylbenzene	ND		5.3	0.36	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
1,2-Dibromoethane	ND		5.3	0.68	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
Isopropylbenzene	ND		5.3	0.79	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
Methyl acetate	ND		5.3	3.2	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
2-Butanone (MEK)	ND		26	1.9	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.7	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
Methyl tert-butyl ether	ND		5.3	0.52	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
Methylcyclohexane	ND		5.3	0.80	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
<b>Methylene Chloride</b>	<b>2.6</b>	<b>J B</b>	5.3	2.4	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
Styrene	ND		5.3	0.26	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
Tetrachloroethene	ND		5.3	0.71	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
<b>Toluene</b>	<b>0.83</b>	<b>J</b>	5.3	0.40	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
trans-1,2-Dichloroethene	ND		5.3	0.54	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
trans-1,3-Dichloropropene	ND		5.3	2.3	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
Trichloroethene	ND		5.3	1.2	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
Trichlorofluoromethane	ND		5.3	0.50	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
Vinyl chloride	ND		5.3	0.64	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1
Xylenes, Total	ND		11	0.88	ug/Kg	☼	04/08/15 11:20	04/08/15 18:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		64 - 126	04/08/15 11:20	04/08/15 18:33	1
Toluene-d8 (Surr)	101		71 - 125	04/08/15 11:20	04/08/15 18:33	1
4-Bromofluorobenzene (Surr)	98		72 - 126	04/08/15 11:20	04/08/15 18:33	1
Dibromofluoromethane (Surr)	97		60 - 140	04/08/15 11:20	04/08/15 18:33	1

**Client Sample ID: CHF-2A**

**Lab Sample ID: 480-77902-8**

**Date Collected: 04/07/15 00:00**

**Matrix: Solid**

**Date Received: 04/07/15 15:40**

**Percent Solids: 93.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.2	0.38	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
1,1,2,2-Tetrachloroethane	ND		5.2	0.84	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	1.2	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
1,1,2-Trichloroethane	ND		5.2	0.68	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
1,1-Dichloroethane	ND		5.2	0.64	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1

TestAmerica Buffalo



# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-77902-1

**Client Sample ID: CHF-2A**

**Lab Sample ID: 480-77902-8**

**Date Collected: 04/07/15 00:00**

**Matrix: Solid**

**Date Received: 04/07/15 15:40**

**Percent Solids: 93.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		5.2	0.64	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
1,2,4-Trichlorobenzene	ND		5.2	0.32	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
1,2-Dibromo-3-Chloropropane	ND		5.2	2.6	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
1,2-Dichlorobenzene	ND		5.2	0.41	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
1,2-Dichloroethane	ND		5.2	0.26	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
1,2-Dichloropropane	ND		5.2	2.6	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
1,3-Dichlorobenzene	ND		5.2	0.27	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
1,4-Dichlorobenzene	ND		5.2	0.73	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
2-Hexanone	ND		26	2.6	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
Acetone	ND		26	4.4	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
<b>Benzene</b>	<b>0.46</b>	<b>J</b>	5.2	0.26	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
Bromoform	ND		5.2	2.6	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
Bromomethane	ND		5.2	0.47	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
Carbon disulfide	ND		5.2	2.6	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
Carbon tetrachloride	ND		5.2	0.50	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
Chlorobenzene	ND		5.2	0.69	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
Dibromochloromethane	ND		5.2	0.67	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
Chloroethane	ND		5.2	1.2	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
Chloroform	ND		5.2	0.32	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
Chloromethane	ND		5.2	0.31	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
cis-1,2-Dichloroethene	ND		5.2	0.67	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
cis-1,3-Dichloropropene	ND		5.2	0.75	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
Cyclohexane	ND		5.2	0.73	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
Bromodichloromethane	ND		5.2	0.70	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
Dichlorodifluoromethane	ND		5.2	0.43	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
Ethylbenzene	ND		5.2	0.36	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
1,2-Dibromoethane	ND		5.2	0.67	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
Isopropylbenzene	ND		5.2	0.79	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
Methyl acetate	ND		5.2	3.1	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
2-Butanone (MEK)	ND		26	1.9	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.7	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
Methyl tert-butyl ether	ND		5.2	0.51	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
Methylcyclohexane	ND		5.2	0.79	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
<b>Methylene Chloride</b>	<b>2.5</b>	<b>J B</b>	5.2	2.4	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
Styrene	ND		5.2	0.26	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
Tetrachloroethene	ND		5.2	0.70	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
<b>Toluene</b>	<b>0.81</b>	<b>J</b>	5.2	0.39	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
trans-1,2-Dichloroethene	ND		5.2	0.54	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
trans-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
Trichloroethene	ND		5.2	1.1	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
Trichlorofluoromethane	ND		5.2	0.49	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
Vinyl chloride	ND		5.2	0.64	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
Xylenes, Total	ND		10	0.88	ug/Kg	☼	04/08/15 11:20	04/08/15 18:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		64 - 126				04/08/15 11:20	04/08/15 18:59	1
Toluene-d8 (Surr)	102		71 - 125				04/08/15 11:20	04/08/15 18:59	1
4-Bromofluorobenzene (Surr)	102		72 - 126				04/08/15 11:20	04/08/15 18:59	1
Dibromofluoromethane (Surr)	100		60 - 140				04/08/15 11:20	04/08/15 18:59	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-77902-1

**Client Sample ID: CHF-2B**

**Lab Sample ID: 480-77902-9**

**Date Collected: 04/07/15 00:00**

**Matrix: Solid**

**Date Received: 04/07/15 15:40**

**Percent Solids: 91.8**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.3	0.38	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
1,1,2,2-Tetrachloroethane	ND		5.3	0.86	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	1.2	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
1,1,2-Trichloroethane	ND		5.3	0.69	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
1,1-Dichloroethane	ND		5.3	0.65	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
1,1-Dichloroethene	ND		5.3	0.65	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
1,2,4-Trichlorobenzene	ND		5.3	0.32	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
1,2-Dibromo-3-Chloropropane	ND		5.3	2.7	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
1,2-Dichlorobenzene	ND		5.3	0.41	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
1,2-Dichloroethane	ND		5.3	0.27	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
1,2-Dichloropropane	ND		5.3	2.7	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
1,3-Dichlorobenzene	ND		5.3	0.27	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
1,4-Dichlorobenzene	ND		5.3	0.74	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
2-Hexanone	ND		27	2.7	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
Acetone	ND		27	4.5	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
<b>Benzene</b>	<b>0.42</b>	<b>J</b>	5.3	0.26	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
Bromomethane	ND		5.3	0.48	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
Carbon disulfide	ND		5.3	2.7	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
Carbon tetrachloride	ND		5.3	0.51	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
Chlorobenzene	ND		5.3	0.70	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
Dibromochloromethane	ND		5.3	0.68	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
Chloroethane	ND		5.3	1.2	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
Chloroform	ND		5.3	0.33	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
Chloromethane	ND		5.3	0.32	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
cis-1,2-Dichloroethene	ND		5.3	0.68	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
cis-1,3-Dichloropropene	ND		5.3	0.76	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
Cyclohexane	ND		5.3	0.74	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
Bromodichloromethane	ND		5.3	0.71	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
Dichlorodifluoromethane	ND		5.3	0.44	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
Ethylbenzene	ND		5.3	0.37	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
1,2-Dibromoethane	ND		5.3	0.68	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
Isopropylbenzene	ND		5.3	0.80	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
Methyl acetate	ND		5.3	3.2	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
2-Butanone (MEK)	ND		27	1.9	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
4-Methyl-2-pentanone (MIBK)	ND		27	1.7	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
Methyl tert-butyl ether	ND		5.3	0.52	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
Methylcyclohexane	ND		5.3	0.81	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
<b>Methylene Chloride</b>	<b>2.8</b>	<b>J B</b>	5.3	2.4	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
Styrene	ND		5.3	0.27	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
Tetrachloroethene	ND		5.3	0.71	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
<b>Toluene</b>	<b>0.84</b>	<b>J</b>	5.3	0.40	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
trans-1,2-Dichloroethene	ND		5.3	0.55	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
trans-1,3-Dichloropropene	ND		5.3	2.3	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
Trichloroethene	ND		5.3	1.2	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
Trichlorofluoromethane	ND		5.3	0.50	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
Vinyl chloride	ND		5.3	0.65	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1
Xylenes, Total	ND		11	0.89	ug/Kg	☼	04/08/15 11:20	04/08/15 19:25	1

TestAmerica Buffalo



# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-77902-1

## Client Sample ID: CHF-2B

Date Collected: 04/07/15 00:00

Date Received: 04/07/15 15:40

## Lab Sample ID: 480-77902-9

Matrix: Solid

Percent Solids: 91.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		64 - 126	04/08/15 11:20	04/08/15 19:25	1
Toluene-d8 (Surr)	102		71 - 125	04/08/15 11:20	04/08/15 19:25	1
4-Bromofluorobenzene (Surr)	98		72 - 126	04/08/15 11:20	04/08/15 19:25	1
Dibromofluoromethane (Surr)	96		60 - 140	04/08/15 11:20	04/08/15 19:25	1

## Client Sample ID: CHF-3A

Date Collected: 04/07/15 00:00

Date Received: 04/07/15 15:40

## Lab Sample ID: 480-77902-10

Matrix: Solid

Percent Solids: 94.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.2	0.38	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
1,1,2,2-Tetrachloroethane	ND		5.2	0.85	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	1.2	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
1,1,2-Trichloroethane	ND		5.2	0.68	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
1,1-Dichloroethane	ND		5.2	0.64	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
1,1-Dichloroethene	ND		5.2	0.64	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
1,2,4-Trichlorobenzene	ND		5.2	0.32	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
1,2-Dibromo-3-Chloropropane	ND		5.2	2.6	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
1,2-Dichlorobenzene	ND		5.2	0.41	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
1,2-Dichloroethane	ND		5.2	0.26	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
1,2-Dichloropropane	ND		5.2	2.6	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
1,3-Dichlorobenzene	ND		5.2	0.27	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
1,4-Dichlorobenzene	ND		5.2	0.73	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
2-Hexanone	ND		26	2.6	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
Acetone	ND		26	4.4	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
Benzene	0.44	J	5.2	0.26	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
Bromoform	ND		5.2	2.6	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
Bromomethane	ND		5.2	0.47	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
Carbon disulfide	ND		5.2	2.6	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
Carbon tetrachloride	ND		5.2	0.51	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
Chlorobenzene	ND		5.2	0.69	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
Dibromochloromethane	ND		5.2	0.67	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
Chloroethane	ND		5.2	1.2	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
Chloroform	ND		5.2	0.32	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
Chloromethane	ND		5.2	0.32	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
cis-1,2-Dichloroethene	ND		5.2	0.67	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
cis-1,3-Dichloropropene	ND		5.2	0.75	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
Cyclohexane	ND		5.2	0.73	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
Bromodichloromethane	ND		5.2	0.70	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
Dichlorodifluoromethane	ND		5.2	0.43	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
Ethylbenzene	ND		5.2	0.36	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
1,2-Dibromoethane	ND		5.2	0.67	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
Isopropylbenzene	ND		5.2	0.79	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
Methyl acetate	ND		5.2	3.2	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
2-Butanone (MEK)	ND		26	1.9	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.7	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
Methyl tert-butyl ether	ND		5.2	0.51	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
Methylcyclohexane	ND		5.2	0.80	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
Methylene Chloride	2.5	J B	5.2	2.4	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-77902-1

**Client Sample ID: CHF-3A**

**Lab Sample ID: 480-77902-10**

**Date Collected: 04/07/15 00:00**

**Matrix: Solid**

**Date Received: 04/07/15 15:40**

**Percent Solids: 94.1**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		5.2	0.26	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
Tetrachloroethene	ND		5.2	0.70	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
<b>Toluene</b>	<b>0.78</b>	<b>J</b>	5.2	0.40	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
trans-1,2-Dichloroethene	ND		5.2	0.54	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
trans-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
Trichloroethene	ND		5.2	1.2	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
Trichlorofluoromethane	ND		5.2	0.50	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
Vinyl chloride	ND		5.2	0.64	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
Xylenes, Total	ND		10	0.88	ug/Kg	☼	04/08/15 11:20	04/08/15 19:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		64 - 126				04/08/15 11:20	04/08/15 19:51	1
Toluene-d8 (Surr)	103		71 - 125				04/08/15 11:20	04/08/15 19:51	1
4-Bromofluorobenzene (Surr)	100		72 - 126				04/08/15 11:20	04/08/15 19:51	1
Dibromofluoromethane (Surr)	99		60 - 140				04/08/15 11:20	04/08/15 19:51	1

**Client Sample ID: CHF-3B**

**Lab Sample ID: 480-77902-11**

**Date Collected: 04/07/15 00:00**

**Matrix: Solid**

**Date Received: 04/07/15 15:40**

**Percent Solids: 92.1**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.2	0.38	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
1,1,2,2-Tetrachloroethane	ND		5.2	0.85	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	1.2	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
1,1,2-Trichloroethane	ND		5.2	0.68	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
1,1-Dichloroethane	ND		5.2	0.64	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
1,1-Dichloroethene	ND		5.2	0.64	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
1,2,4-Trichlorobenzene	ND		5.2	0.32	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
1,2-Dibromo-3-Chloropropane	ND		5.2	2.6	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
1,2-Dichlorobenzene	ND		5.2	0.41	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
1,2-Dichloroethane	ND		5.2	0.26	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
1,2-Dichloropropane	ND		5.2	2.6	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
1,3-Dichlorobenzene	ND		5.2	0.27	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
1,4-Dichlorobenzene	ND		5.2	0.73	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
2-Hexanone	ND		26	2.6	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
Acetone	ND		26	4.4	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
<b>Benzene</b>	<b>0.74</b>	<b>J</b>	5.2	0.26	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
Bromoform	ND		5.2	2.6	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
Bromomethane	ND		5.2	0.47	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
Carbon disulfide	ND		5.2	2.6	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
Carbon tetrachloride	ND		5.2	0.51	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
Chlorobenzene	ND		5.2	0.69	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
Dibromochloromethane	ND		5.2	0.67	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
Chloroethane	ND		5.2	1.2	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
Chloroform	ND		5.2	0.32	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
Chloromethane	ND		5.2	0.32	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
cis-1,2-Dichloroethene	ND		5.2	0.67	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
cis-1,3-Dichloropropene	ND		5.2	0.75	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
Cyclohexane	ND		5.2	0.73	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-77902-1

**Client Sample ID: CHF-3B**

**Lab Sample ID: 480-77902-11**

**Date Collected: 04/07/15 00:00**

**Matrix: Solid**

**Date Received: 04/07/15 15:40**

**Percent Solids: 92.1**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		5.2	0.70	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
Dichlorodifluoromethane	ND		5.2	0.43	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
Ethylbenzene	ND		5.2	0.36	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
1,2-Dibromoethane	ND		5.2	0.67	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
Isopropylbenzene	ND		5.2	0.79	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
Methyl acetate	ND		5.2	3.2	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
2-Butanone (MEK)	ND		26	1.9	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.7	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
Methyl tert-butyl ether	ND		5.2	0.51	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
Methylcyclohexane	ND		5.2	0.80	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
<b>Methylene Chloride</b>	<b>2.6</b>	<b>J B</b>	5.2	2.4	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
Styrene	ND		5.2	0.26	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
Tetrachloroethene	ND		5.2	0.70	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
<b>Toluene</b>	<b>1.3</b>	<b>J</b>	5.2	0.40	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
trans-1,2-Dichloroethene	ND		5.2	0.54	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
trans-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
Trichloroethene	ND		5.2	1.2	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
Trichlorofluoromethane	ND		5.2	0.50	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
Vinyl chloride	ND		5.2	0.64	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1
Xylenes, Total	ND		10	0.88	ug/Kg	☼	04/08/15 11:20	04/09/15 01:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		64 - 126	04/08/15 11:20	04/09/15 01:21	1
Toluene-d8 (Surr)	103		71 - 125	04/08/15 11:20	04/09/15 01:21	1
4-Bromofluorobenzene (Surr)	100		72 - 126	04/08/15 11:20	04/09/15 01:21	1
Dibromofluoromethane (Surr)	99		60 - 140	04/08/15 11:20	04/09/15 01:21	1

**Client Sample ID: CHF-4A**

**Lab Sample ID: 480-77902-12**

**Date Collected: 04/07/15 00:00**

**Matrix: Solid**

**Date Received: 04/07/15 15:40**

**Percent Solids: 88.7**

## 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	☼	04/08/15 11:20	04/09/15 01:47	1
1,1,2,2-Tetrachloroethane	ND		5.4	0.88	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	1.2	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
1,1,2-Trichloroethane	ND		5.4	0.71	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
1,1-Dichloroethane	ND		5.4	0.66	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
1,1-Dichloroethene	ND		5.4	0.66	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
1,2,4-Trichlorobenzene	ND		5.4	0.33	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
1,2-Dibromo-3-Chloropropane	ND		5.4	2.7	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
1,2-Dichlorobenzene	ND		5.4	0.42	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
1,2-Dichloroethane	ND		5.4	0.27	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
1,2-Dichloropropane	ND		5.4	2.7	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
1,3-Dichlorobenzene	ND		5.4	0.28	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
1,4-Dichlorobenzene	ND		5.4	0.76	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
2-Hexanone	ND		27	2.7	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
Acetone	ND		27	4.6	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
<b>Benzene</b>	<b>0.50</b>	<b>J</b>	5.4	0.27	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-77902-1

**Client Sample ID: CHF-4A**

**Lab Sample ID: 480-77902-12**

**Date Collected: 04/07/15 00:00**

**Matrix: Solid**

**Date Received: 04/07/15 15:40**

**Percent Solids: 88.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		5.4	0.49	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
Carbon disulfide	ND		5.4	2.7	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
Carbon tetrachloride	ND		5.4	0.53	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
Chlorobenzene	ND		5.4	0.72	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
Dibromochloromethane	ND		5.4	0.70	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
Chloroethane	ND		5.4	1.2	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
Chloroform	ND		5.4	0.34	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
Chloromethane	ND		5.4	0.33	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
cis-1,2-Dichloroethene	ND		5.4	0.70	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
cis-1,3-Dichloropropene	ND		5.4	0.78	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
Cyclohexane	ND		5.4	0.76	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
Bromodichloromethane	ND		5.4	0.73	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
Dichlorodifluoromethane	ND		5.4	0.45	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
Ethylbenzene	ND		5.4	0.37	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
1,2-Dibromoethane	ND		5.4	0.70	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
Isopropylbenzene	ND		5.4	0.82	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
Methyl acetate	ND		5.4	3.3	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
2-Butanone (MEK)	ND		27	2.0	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
4-Methyl-2-pentanone (MIBK)	ND		27	1.8	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
Methyl tert-butyl ether	ND		5.4	0.53	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
Methylcyclohexane	ND		5.4	0.83	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
<b>Methylene Chloride</b>	<b>3.0</b>	<b>J B</b>	5.4	2.5	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
<b>Styrene</b>	<b>0.29</b>	<b>J</b>	5.4	0.27	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
Tetrachloroethene	ND		5.4	0.73	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
<b>Toluene</b>	<b>1.1</b>	<b>J</b>	5.4	0.41	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
trans-1,2-Dichloroethene	ND		5.4	0.56	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
Trichloroethene	ND		5.4	1.2	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
Trichlorofluoromethane	ND		5.4	0.51	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
Vinyl chloride	ND		5.4	0.66	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1
Xylenes, Total	ND		11	0.91	ug/Kg	☼	04/08/15 11:20	04/09/15 01:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		64 - 126	04/08/15 11:20	04/09/15 01:47	1
Toluene-d8 (Surr)	103		71 - 125	04/08/15 11:20	04/09/15 01:47	1
4-Bromofluorobenzene (Surr)	97		72 - 126	04/08/15 11:20	04/09/15 01:47	1
Dibromofluoromethane (Surr)	97		60 - 140	04/08/15 11:20	04/09/15 01:47	1

**Client Sample ID: CHF-4B**

**Lab Sample ID: 480-77902-13**

**Date Collected: 04/07/15 00:00**

**Matrix: Solid**

**Date Received: 04/07/15 15:40**

**Percent Solids: 91.8**

## 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	☼	04/08/15 11:20	04/09/15 02:13	1
1,1,2,2-Tetrachloroethane	ND		5.4	0.88	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	1.2	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
1,1,2-Trichloroethane	ND		5.4	0.70	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
1,1-Dichloroethane	ND		5.4	0.66	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
1,1-Dichloroethene	ND		5.4	0.66	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-77902-1

**Client Sample ID: CHF-4B**

**Lab Sample ID: 480-77902-13**

**Date Collected: 04/07/15 00:00**

**Matrix: Solid**

**Date Received: 04/07/15 15:40**

**Percent Solids: 91.8**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		5.4	0.33	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
1,2-Dibromo-3-Chloropropane	ND		5.4	2.7	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
1,2-Dichlorobenzene	ND		5.4	0.42	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
1,2-Dichloroethane	ND		5.4	0.27	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
1,2-Dichloropropane	ND		5.4	2.7	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
1,3-Dichlorobenzene	ND		5.4	0.28	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
1,4-Dichlorobenzene	ND		5.4	0.76	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
2-Hexanone	ND		27	2.7	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
Acetone	ND		27	4.5	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
<b>Benzene</b>	<b>0.79</b>	<b>J</b>	5.4	0.26	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
Bromomethane	ND		5.4	0.49	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
Carbon disulfide	ND		5.4	2.7	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
Carbon tetrachloride	ND		5.4	0.52	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
Chlorobenzene	ND		5.4	0.71	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
Dibromochloromethane	ND		5.4	0.69	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
Chloroethane	ND		5.4	1.2	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
Chloroform	ND		5.4	0.33	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
Chloromethane	ND		5.4	0.33	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
cis-1,2-Dichloroethene	ND		5.4	0.69	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
cis-1,3-Dichloropropene	ND		5.4	0.78	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
Cyclohexane	ND		5.4	0.76	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
Bromodichloromethane	ND		5.4	0.72	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
Dichlorodifluoromethane	ND		5.4	0.45	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
Ethylbenzene	ND		5.4	0.37	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
1,2-Dibromoethane	ND		5.4	0.69	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
Isopropylbenzene	ND		5.4	0.81	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
Methyl acetate	ND		5.4	3.3	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
2-Butanone (MEK)	ND		27	2.0	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
4-Methyl-2-pentanone (MIBK)	ND		27	1.8	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
Methyl tert-butyl ether	ND		5.4	0.53	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
Methylcyclohexane	ND		5.4	0.82	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
<b>Methylene Chloride</b>	<b>3.1</b>	<b>J B</b>	5.4	2.5	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
Styrene	ND		5.4	0.27	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
Tetrachloroethene	ND		5.4	0.72	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
<b>Toluene</b>	<b>1.1</b>	<b>J</b>	5.4	0.41	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
trans-1,2-Dichloroethene	ND		5.4	0.56	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
Trichloroethene	ND		5.4	1.2	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
Trichlorofluoromethane	ND		5.4	0.51	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
Vinyl chloride	ND		5.4	0.66	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1
Xylenes, Total	ND		11	0.91	ug/Kg	☼	04/08/15 11:20	04/09/15 02:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		64 - 126	04/08/15 11:20	04/09/15 02:13	1
Toluene-d8 (Surr)	103		71 - 125	04/08/15 11:20	04/09/15 02:13	1
4-Bromofluorobenzene (Surr)	97		72 - 126	04/08/15 11:20	04/09/15 02:13	1
Dibromofluoromethane (Surr)	97		60 - 140	04/08/15 11:20	04/09/15 02:13	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-77902-1

**Client Sample ID: CHF-5A**

**Lab Sample ID: 480-77902-14**

**Date Collected: 04/07/15 00:00**

**Matrix: Solid**

**Date Received: 04/07/15 15:40**

**Percent Solids: 91.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.3	0.38	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
1,1,2,2-Tetrachloroethane	ND		5.3	0.85	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	1.2	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
1,1,2-Trichloroethane	ND		5.3	0.68	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
1,1-Dichloroethane	ND		5.3	0.64	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
1,1-Dichloroethene	ND		5.3	0.64	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
1,2,4-Trichlorobenzene	ND		5.3	0.32	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
1,2-Dibromo-3-Chloropropane	ND		5.3	2.6	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
1,2-Dichlorobenzene	ND		5.3	0.41	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
1,2-Dichloroethane	ND		5.3	0.26	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
1,2-Dichloropropane	ND		5.3	2.6	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
1,3-Dichlorobenzene	ND		5.3	0.27	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
1,4-Dichlorobenzene	ND		5.3	0.74	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
2-Hexanone	ND		26	2.6	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
Acetone	ND		26	4.4	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
<b>Benzene</b>	<b>0.45</b>	<b>J</b>	5.3	0.26	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
Bromoform	ND		5.3	2.6	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
Bromomethane	ND		5.3	0.47	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
Carbon disulfide	ND		5.3	2.6	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
Carbon tetrachloride	ND		5.3	0.51	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
Chlorobenzene	ND		5.3	0.69	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
Dibromochloromethane	ND		5.3	0.67	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
Chloroethane	ND		5.3	1.2	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
Chloroform	ND		5.3	0.32	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
Chloromethane	ND		5.3	0.32	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
cis-1,2-Dichloroethene	ND		5.3	0.67	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
cis-1,3-Dichloropropene	ND		5.3	0.76	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
Cyclohexane	ND		5.3	0.74	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
Bromodichloromethane	ND		5.3	0.70	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
Dichlorodifluoromethane	ND		5.3	0.43	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
Ethylbenzene	ND		5.3	0.36	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
1,2-Dibromoethane	ND		5.3	0.68	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
Isopropylbenzene	ND		5.3	0.79	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
Methyl acetate	ND		5.3	3.2	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
2-Butanone (MEK)	ND		26	1.9	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.7	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
Methyl tert-butyl ether	ND		5.3	0.52	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
Methylcyclohexane	ND		5.3	0.80	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
<b>Methylene Chloride</b>	<b>2.6</b>	<b>J B</b>	5.3	2.4	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
Styrene	ND		5.3	0.26	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
Tetrachloroethene	ND		5.3	0.71	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
<b>Toluene</b>	<b>0.78</b>	<b>J</b>	5.3	0.40	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
trans-1,2-Dichloroethene	ND		5.3	0.54	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
trans-1,3-Dichloropropene	ND		5.3	2.3	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
Trichloroethene	ND		5.3	1.2	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
Trichlorofluoromethane	ND		5.3	0.50	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
Vinyl chloride	ND		5.3	0.64	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1
Xylenes, Total	ND		11	0.88	ug/Kg	☼	04/08/15 11:20	04/09/15 02:39	1

TestAmerica Buffalo



# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-77902-1

**Client Sample ID: CHF-5A**

**Date Collected: 04/07/15 00:00**

**Date Received: 04/07/15 15:40**

**Lab Sample ID: 480-77902-14**

**Matrix: Solid**

**Percent Solids: 91.5**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		64 - 126	04/08/15 11:20	04/09/15 02:39	1
Toluene-d8 (Surr)	100		71 - 125	04/08/15 11:20	04/09/15 02:39	1
4-Bromofluorobenzene (Surr)	99		72 - 126	04/08/15 11:20	04/09/15 02:39	1
Dibromofluoromethane (Surr)	99		60 - 140	04/08/15 11:20	04/09/15 02:39	1

**Client Sample ID: CHF-5B**

**Date Collected: 04/07/15 00:00**

**Date Received: 04/07/15 15:40**

**Lab Sample ID: 480-77902-15**

**Matrix: Solid**

**Percent Solids: 88.9**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.5	0.40	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
1,1,2,2-Tetrachloroethane	ND	F1	5.5	0.90	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	1.3	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
1,1,2-Trichloroethane	ND		5.5	0.72	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
1,1-Dichloroethane	ND		5.5	0.68	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
1,1-Dichloroethene	ND		5.5	0.68	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
1,2,4-Trichlorobenzene	ND		5.5	0.34	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
1,2-Dibromo-3-Chloropropane	ND	F1	5.5	2.8	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
1,2-Dichlorobenzene	ND		5.5	0.43	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
1,2-Dichloroethane	ND	F1	5.5	0.28	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
1,2-Dichloropropane	ND		5.5	2.8	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
1,3-Dichlorobenzene	ND		5.5	0.28	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
1,4-Dichlorobenzene	ND		5.5	0.77	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
2-Hexanone	ND		28	2.8	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
Acetone	ND	F1	28	4.7	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
<b>Benzene</b>	<b>0.49</b>	<b>J</b>	5.5	0.27	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
Bromoform	ND		5.5	2.8	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
Bromomethane	ND		5.5	0.50	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
Carbon disulfide	ND		5.5	2.8	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
Carbon tetrachloride	ND		5.5	0.54	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
Chlorobenzene	ND		5.5	0.73	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
Dibromochloromethane	ND		5.5	0.71	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
Chloroethane	ND		5.5	1.3	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
Chloroform	ND		5.5	0.34	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
Chloromethane	ND		5.5	0.33	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
cis-1,2-Dichloroethene	ND		5.5	0.71	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
cis-1,3-Dichloropropene	ND		5.5	0.80	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
Cyclohexane	ND	F1 *	5.5	0.77	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
Bromodichloromethane	ND		5.5	0.74	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
Dichlorodifluoromethane	ND		5.5	0.46	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
Ethylbenzene	ND		5.5	0.38	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
1,2-Dibromoethane	ND	F1	5.5	0.71	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
Isopropylbenzene	ND		5.5	0.83	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
Methyl acetate	ND		5.5	3.3	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
2-Butanone (MEK)	ND	F1	28	2.0	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
4-Methyl-2-pentanone (MIBK)	ND	F1	28	1.8	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
Methyl tert-butyl ether	ND		5.5	0.54	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
Methylcyclohexane	ND		5.5	0.84	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
<b>Methylene Chloride</b>	<b>3.9</b>	<b>J</b>	5.5	2.5	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-77902-1

**Client Sample ID: CHF-5B**

**Lab Sample ID: 480-77902-15**

**Date Collected: 04/07/15 00:00**

**Matrix: Solid**

**Date Received: 04/07/15 15:40**

**Percent Solids: 88.9**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		5.5	0.28	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
Tetrachloroethene	ND		5.5	0.74	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
<b>Toluene</b>	<b>0.64</b>	<b>J</b>	5.5	0.42	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
trans-1,2-Dichloroethene	ND		5.5	0.57	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
trans-1,3-Dichloropropene	ND		5.5	2.4	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
Trichloroethene	ND		5.5	1.2	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
Trichlorofluoromethane	ND		5.5	0.52	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
Vinyl chloride	ND		5.5	0.68	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1
Xylenes, Total	ND		11	0.93	ug/Kg	☼	04/08/15 23:10	04/09/15 03:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		64 - 126	04/08/15 23:10	04/09/15 03:05	1
Toluene-d8 (Surr)	100		71 - 125	04/08/15 23:10	04/09/15 03:05	1
4-Bromofluorobenzene (Surr)	97		72 - 126	04/08/15 23:10	04/09/15 03:05	1
Dibromofluoromethane (Surr)	99		60 - 140	04/08/15 23:10	04/09/15 03:05	1

**Client Sample ID: CRS-1**

**Lab Sample ID: 480-77902-16**

**Date Collected: 04/07/15 00:00**

**Matrix: Solid**

**Date Received: 04/07/15 15:40**

**Percent Solids: 98.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
2-Hexanone	ND		25	2.5	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
Acetone	ND		25	4.2	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
Benzene	ND		5.0	0.24	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
Bromomethane	ND		5.0	0.45	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
Carbon disulfide	ND		5.0	2.5	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
Chlorobenzene	ND		5.0	0.66	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
Chloroethane	ND		5.0	1.1	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
Chloroform	ND		5.0	0.31	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
Chloromethane	ND		5.0	0.30	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
Cyclohexane	ND	*	5.0	0.70	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1

TestAmerica Buffalo



# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-77902-1

Client Sample ID: CRS-1

Lab Sample ID: 480-77902-16

Date Collected: 04/07/15 00:00

Matrix: Solid

Date Received: 04/07/15 15:40

Percent Solids: 98.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		5.0	0.67	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
Ethylbenzene	ND		5.0	0.34	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
Methyl acetate	ND		5.0	3.0	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
Methylene Chloride	3.7	J	5.0	2.3	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
Styrene	ND		5.0	0.25	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
Toluene	ND		5.0	0.38	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
trans-1,2-Dichloroethene	ND		5.0	0.51	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
Trichloroethene	ND		5.0	1.1	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
Vinyl chloride	ND		5.0	0.61	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1
Xylenes, Total	ND		10	0.84	ug/Kg	☼	04/08/15 23:10	04/09/15 03:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		64 - 126	04/08/15 23:10	04/09/15 03:30	1
Toluene-d8 (Surr)	102		71 - 125	04/08/15 23:10	04/09/15 03:30	1
4-Bromofluorobenzene (Surr)	98		72 - 126	04/08/15 23:10	04/09/15 03:30	1
Dibromofluoromethane (Surr)	97		60 - 140	04/08/15 23:10	04/09/15 03:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		870	35	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
2,4,6-Trichlorophenol	ND		340	35	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
2,4-Dichlorophenol	ND		340	34	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
2,4-Dimethylphenol	ND		340	54	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
2,4-Dinitrophenol	ND		870	150	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
2,4-Dinitrotoluene	ND		340	25	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
2,6-Dinitrotoluene	ND		340	31	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
2-Chloronaphthalene	ND		340	45	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
2-Chlorophenol	ND		340	35	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
2-Methylnaphthalene	ND		340	16	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
2-Methylphenol	ND		340	42	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
2-Nitroaniline	ND		870	39	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
2-Nitrophenol	ND		340	39	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
3 & 4 Methylphenol	ND		700	77	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
3,3'-Dichlorobenzidine	ND		340	50	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
3-Nitroaniline	ND		870	40	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
4,6-Dinitro-2-methylphenol	ND		870	100	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
4-Bromophenyl phenyl ether	ND		340	19	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
4-Chloro-3-methylphenol	ND		340	42	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
4-Chloroaniline	ND		340	33	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
4-Chlorophenyl phenyl ether	ND		340	16	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-77902-1

Client Sample ID: CRS-1

Lab Sample ID: 480-77902-16

Date Collected: 04/07/15 00:00

Matrix: Solid

Date Received: 04/07/15 15:40

Percent Solids: 98.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		870	33	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
4-Nitrophenol	ND		870	88	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
Acenaphthene	ND		340	14	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
Acenaphthylene	ND		340	16	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
Acetophenone	ND		340	17	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
Anthracene	ND		340	15	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
Atrazine	ND		340	17	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
Benzaldehyde	ND		340	17	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
Benzo(a)anthracene	ND		340	14	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
Benzo(a)pyrene	ND		340	13	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
Benzo(b)fluoranthene	ND		340	24	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
Benzo(g,h,i)perylene	ND		340	14	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
Benzo(k)fluoranthene	ND		340	31	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
Biphenyl	ND		340	16	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
bis (2-chloroisopropyl) ether	ND		340	17	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
Bis(2-chloroethoxy)methane	ND		340	16	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
Bis(2-chloroethyl)ether	ND		340	16	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
Bis(2-ethylhexyl) phthalate	59	J B	340	22	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
Butyl benzyl phthalate	ND		340	21	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
Caprolactam	ND		340	36	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
Carbazole	ND		340	16	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
Chrysene	ND		340	19	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
Dibenz(a,h)anthracene	ND		340	11	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
Dibenzofuran	ND		340	17	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
Diethyl phthalate	41	J B	340	16	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
Dimethyl phthalate	ND		340	16	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
Di-n-butyl phthalate	ND		340	16	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
Di-n-octyl phthalate	ND		340	24	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
Fluoranthene	ND		340	13	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
Fluorene	ND		340	16	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
Hexachlorobenzene	ND		340	48	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
Hexachlorobutadiene	ND		340	36	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
Hexachlorocyclopentadiene	ND		340	68	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
Hexachloroethane	ND		340	35	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
Indeno(1,2,3-cd)pyrene	ND		340	15	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
Isophorone	ND		340	44	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
Naphthalene	ND		340	16	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
Nitrobenzene	ND		340	43	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
N-Nitrosodi-n-propylamine	ND		340	48	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
N-Nitrosodiphenylamine	ND		340	17	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
Pentachlorophenol	ND		870	71	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
Phenanthrene	32	J	340	13	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
Phenol	ND		340	42	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
Pyrene	ND		340	15	ug/Kg	☼	04/13/15 08:37	04/14/15 15:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	70		25 - 135				04/13/15 08:37	04/14/15 15:06	1
2-Fluorobiphenyl	91		35 - 110				04/13/15 08:37	04/14/15 15:06	1
2-Fluorophenol	86		30 - 135				04/13/15 08:37	04/14/15 15:06	1
Nitrobenzene-d5	79		35 - 110				04/13/15 08:37	04/14/15 15:06	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-77902-1

**Client Sample ID: CRS-1**

**Date Collected: 04/07/15 00:00**

**Date Received: 04/07/15 15:40**

**Lab Sample ID: 480-77902-16**

**Matrix: Solid**

**Percent Solids: 98.2**

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	90		30 - 130	04/13/15 08:37	04/14/15 15:06	1
Terphenyl-d14 (Surr)	82		30 - 130	04/13/15 08:37	04/14/15 15:06	1

## Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.6	0.32	ug/Kg	☼	04/09/15 16:11	04/10/15 16:19	1
4,4'-DDE	ND		1.6	0.35	ug/Kg	☼	04/09/15 16:11	04/10/15 16:19	1
4,4'-DDT	ND		1.6	0.38	ug/Kg	☼	04/09/15 16:11	04/10/15 16:19	1
Aldrin	ND		1.6	0.40	ug/Kg	☼	04/09/15 16:11	04/10/15 16:19	1
alpha-BHC	ND		1.6	0.30	ug/Kg	☼	04/09/15 16:11	04/10/15 16:19	1
alpha-Chlordane	ND		1.6	0.82	ug/Kg	☼	04/09/15 16:11	04/10/15 16:19	1
beta-BHC	ND		1.6	0.30	ug/Kg	☼	04/09/15 16:11	04/10/15 16:19	1
delta-BHC	ND		1.6	0.31	ug/Kg	☼	04/09/15 16:11	04/10/15 16:19	1
Dieldrin	ND		1.6	0.39	ug/Kg	☼	04/09/15 16:11	04/10/15 16:19	1
Endosulfan I	ND		1.6	0.32	ug/Kg	☼	04/09/15 16:11	04/10/15 16:19	1
Endosulfan II	ND		1.6	0.30	ug/Kg	☼	04/09/15 16:11	04/10/15 16:19	1
Endosulfan sulfate	ND		1.6	0.31	ug/Kg	☼	04/09/15 16:11	04/10/15 16:19	1
Endrin	ND		1.6	0.33	ug/Kg	☼	04/09/15 16:11	04/10/15 16:19	1
Endrin aldehyde	ND		1.6	0.42	ug/Kg	☼	04/09/15 16:11	04/10/15 16:19	1
Endrin ketone	ND		1.6	0.40	ug/Kg	☼	04/09/15 16:11	04/10/15 16:19	1
gamma-BHC (Lindane)	ND		1.6	0.30	ug/Kg	☼	04/09/15 16:11	04/10/15 16:19	1
gamma-Chlordane	ND		1.6	0.52	ug/Kg	☼	04/09/15 16:11	04/10/15 16:19	1
Heptachlor	ND		1.6	0.36	ug/Kg	☼	04/09/15 16:11	04/10/15 16:19	1
Heptachlor epoxide	ND		1.6	0.42	ug/Kg	☼	04/09/15 16:11	04/10/15 16:19	1
Methoxychlor	ND		1.6	0.34	ug/Kg	☼	04/09/15 16:11	04/10/15 16:19	1
Toxaphene	ND		16	9.6	ug/Kg	☼	04/09/15 16:11	04/10/15 16:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	79		32 - 136	04/09/15 16:11	04/10/15 16:19	1
Tetrachloro-m-xylene	75		30 - 124	04/09/15 16:11	04/10/15 16:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.21	0.042	mg/Kg	☼	04/09/15 17:30	04/10/15 16:52	1
PCB-1221	ND		0.21	0.042	mg/Kg	☼	04/09/15 17:30	04/10/15 16:52	1
PCB-1232	ND		0.21	0.042	mg/Kg	☼	04/09/15 17:30	04/10/15 16:52	1
PCB-1242	ND		0.21	0.042	mg/Kg	☼	04/09/15 17:30	04/10/15 16:52	1
PCB-1248	ND		0.21	0.042	mg/Kg	☼	04/09/15 17:30	04/10/15 16:52	1
PCB-1254	ND		0.21	0.10	mg/Kg	☼	04/09/15 17:30	04/10/15 16:52	1
PCB-1260	ND		0.21	0.10	mg/Kg	☼	04/09/15 17:30	04/10/15 16:52	1
PCB-1262	ND		0.21	0.10	mg/Kg	☼	04/09/15 17:30	04/10/15 16:52	1
PCB-1268	ND		0.21	0.10	mg/Kg	☼	04/09/15 17:30	04/10/15 16:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	100		46 - 175	04/09/15 17:30	04/10/15 16:52	1
DCB Decachlorobiphenyl	100		47 - 176	04/09/15 17:30	04/10/15 16:52	1

## Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		17	5.3	ug/Kg	☼	04/08/15 11:38	04/17/15 07:49	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-77902-1

**Client Sample ID: CRS-1**

**Date Collected: 04/07/15 00:00**

**Date Received: 04/07/15 15:40**

**Lab Sample ID: 480-77902-16**

**Matrix: Solid**

**Percent Solids: 98.2**

## Method: 8151A - Herbicides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		17	10	ug/Kg	☼	04/08/15 11:38	04/17/15 07:49	1
Silvex (2,4,5-TP)	ND		17	6.0	ug/Kg	☼	04/08/15 11:38	04/17/15 07:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	69		39 - 120				04/08/15 11:38	04/17/15 07:49	1

## Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2000		11.0	4.8	mg/Kg	☼	04/09/15 15:30	04/10/15 21:57	1
Antimony	ND		16.5	0.44	mg/Kg	☼	04/09/15 15:30	04/10/15 21:57	1
Arsenic	3.4		2.2	0.44	mg/Kg	☼	04/09/15 15:30	04/11/15 18:39	1
Barium	16.8		0.55	0.12	mg/Kg	☼	04/09/15 15:30	04/11/15 18:39	1
Beryllium	0.12	J	0.22	0.031	mg/Kg	☼	04/09/15 15:30	04/10/15 21:57	1
Cadmium	0.81		0.22	0.033	mg/Kg	☼	04/09/15 15:30	04/10/15 21:57	1
Calcium	184000	B	275	18.1	mg/Kg	☼	04/09/15 15:30	04/13/15 11:34	5
Chromium	4.4		0.55	0.22	mg/Kg	☼	04/09/15 15:30	04/10/15 21:57	1
Cobalt	1.4		0.55	0.055	mg/Kg	☼	04/09/15 15:30	04/10/15 21:57	1
Copper	3.5	J	5.5	1.2	mg/Kg	☼	04/09/15 15:30	04/13/15 11:34	5
Iron	6210		11.0	1.2	mg/Kg	☼	04/09/15 15:30	04/10/15 21:57	1
Lead	147	B	1.1	0.26	mg/Kg	☼	04/09/15 15:30	04/10/15 21:57	1
Magnesium	114000	B	110	5.1	mg/Kg	☼	04/09/15 15:30	04/13/15 11:34	5
Manganese	524	B	0.22	0.035	mg/Kg	☼	04/09/15 15:30	04/10/15 21:57	1
Nickel	4.1	J	5.5	0.25	mg/Kg	☼	04/09/15 15:30	04/10/15 21:57	1
Potassium	1270		33.0	22.0	mg/Kg	☼	04/09/15 15:30	04/10/15 21:57	1
Selenium	ND		4.4	0.44	mg/Kg	☼	04/09/15 15:30	04/10/15 21:57	1
Silver	ND		0.55	0.22	mg/Kg	☼	04/09/15 15:30	04/10/15 21:57	1
Sodium	242		154	14.3	mg/Kg	☼	04/09/15 15:30	04/10/15 21:57	1
Thallium	ND		6.6	0.33	mg/Kg	☼	04/09/15 15:30	04/10/15 21:57	1
Vanadium	7.7		0.55	0.12	mg/Kg	☼	04/09/15 15:30	04/10/15 21:57	1
Zinc	199	B	2.2	0.17	mg/Kg	☼	04/09/15 15:30	04/10/15 21:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.020	0.0083	mg/Kg	☼	04/16/15 14:35	04/16/15 16:02	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.99	0.48	mg/Kg	☼	04/10/15 15:51	04/11/15 11:09	1

TestAmerica Buffalo

# Surrogate Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-77902-1

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (64-126)	TOL (71-125)	BFB (72-126)	DBFM (60-140)
480-77902-6	CHF-1A	91	102	98	98
480-77902-6 MS	CHF-1A	91	104	103	98
480-77902-6 MSD	CHF-1A	90	105	105	99
480-77902-7	CHF-1B	90	101	98	97
480-77902-8	CHF-2A	95	102	102	100
480-77902-9	CHF-2B	88	102	98	96
480-77902-10	CHF-3A	91	103	100	99
480-77902-11	CHF-3B	95	103	100	99
480-77902-12	CHF-4A	88	103	97	97
480-77902-13	CHF-4B	92	103	97	97
480-77902-14	CHF-5A	92	100	99	99
480-77902-15	CHF-5B	92	100	97	99
480-77902-15 MS	CHF-5B	72	106	98	90
480-77902-15 MSD	CHF-5B	74	104	99	92
480-77902-16	CRS-1	91	102	98	97
LCS 480-234791/1-A	Lab Control Sample	89	103	103	95
LCS 480-234987/1-A	Lab Control Sample	89	100	101	94
MB 480-234791/2-A	Method Blank	88	102	100	95
MB 480-234987/2-A	Method Blank	90	98	95	94

### Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (25-135)	FBP (35-110)	2FP (30-135)	NBZ (35-110)	PHL (30-130)	TPH (30-130)
480-77902-1	CHF-1	76	86	85	74	86	83
480-77902-2	CHF-2	79	87	87	75	92	85
480-77902-3	CHF-3	80	88	87	74	90	85
480-77902-4	CHF-4	70	81	81	72	85	79
480-77902-5	CHF-5	81	93	92	79	96	90
480-77902-16	CRS-1	70	91	86	79	90	82
LCS 200-86757/2-A	Lab Control Sample	81	77	66	59	78	82
MB 200-86757/1-A	Method Blank	66	78	76	63	79	79

### Surrogate Legend

TBP = 2,4,6-Tribromophenol

FBP = 2-Fluorobiphenyl

2FP = 2-Fluorophenol

NBZ = Nitrobenzene-d5

PHL = Phenol-d5

TPH = Terphenyl-d14 (Surr)

TestAmerica Buffalo

# Surrogate Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-77902-1

## Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCB2 (32-136)	TCX2 (30-124)
480-77902-1	CHF-1	84	83
480-77902-1 MS	CHF-1	95	87
480-77902-1 MSD	CHF-1	40	85
480-77902-2	CHF-2	90	86
480-77902-3	CHF-3	96	87
480-77902-4	CHF-4	77	78
480-77902-5	CHF-5	81	74
480-77902-16	CRS-1	79	75
LCS 480-235202/2-A	Lab Control Sample	94	92
MB 480-235202/1-A	Method Blank	94	94
<b>Surrogate Legend</b>			
DCB = DCB Decachlorobiphenyl			
TCX = Tetrachloro-m-xylene			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	TCX2 (46-175)	DCB2 (47-176)
480-77902-1	CHF-1	99	99
480-77902-1 MS	CHF-1	112	113
480-77902-1 MSD	CHF-1	118	113
480-77902-2	CHF-2	105	94
480-77902-3	CHF-3	100	99
480-77902-4	CHF-4	94	85
480-77902-5	CHF-5	99	96
480-77902-16	CRS-1	100	100
LCS 480-235225/2-A	Lab Control Sample	112	114
MB 480-235225/1-A	Method Blank	106	101
<b>Surrogate Legend</b>			
TCX = Tetrachloro-m-xylene			
DCB = DCB Decachlorobiphenyl			

## Method: 8151A - Herbicides (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCPA1 (39-120)	
480-77902-1	CHF-1	76	
480-77902-2	CHF-2	73	
480-77902-3	CHF-3	67	
480-77902-4	CHF-4	77	
480-77902-5	CHF-5	79	
480-77902-16	CRS-1	69	
LCS 480-234732/2-A	Lab Control Sample	77	
MB 480-234732/1-A	Method Blank	74	

TestAmerica Buffalo

# Surrogate Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-77902-1

## Surrogate Legend

DCPA = 2,4-Dichlorophenylacetic acid

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-77902-1

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

Lab Sample ID: MB 480-234791/2-A

Matrix: Solid

Analysis Batch: 234784

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 234791

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.9	0.36	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
1,1,2,2-Tetrachloroethane	ND		4.9	0.80	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.1	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
1,1,2-Trichloroethane	ND		4.9	0.64	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
1,1-Dichloroethane	ND		4.9	0.60	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
1,1-Dichloroethene	ND		4.9	0.60	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
1,2,4-Trichlorobenzene	ND		4.9	0.30	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
1,2-Dibromo-3-Chloropropane	ND		4.9	2.5	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
1,2-Dichlorobenzene	ND		4.9	0.39	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
1,2-Dichloroethane	ND		4.9	0.25	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
1,2-Dichloropropane	ND		4.9	2.5	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
1,3-Dichlorobenzene	ND		4.9	0.25	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
1,4-Dichlorobenzene	ND		4.9	0.69	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
2-Hexanone	ND		25	2.5	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
Acetone	ND		25	4.2	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
Benzene	ND		4.9	0.24	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
Bromoform	ND		4.9	2.5	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
Bromomethane	ND		4.9	0.44	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
Carbon disulfide	ND		4.9	2.5	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
Carbon tetrachloride	ND		4.9	0.48	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
Chlorobenzene	ND		4.9	0.65	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
Dibromochloromethane	ND		4.9	0.63	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
Chloroethane	ND		4.9	1.1	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
Chloroform	ND		4.9	0.31	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
Chloromethane	ND		4.9	0.30	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
cis-1,2-Dichloroethene	ND		4.9	0.63	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
cis-1,3-Dichloropropene	ND		4.9	0.71	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
Cyclohexane	ND		4.9	0.69	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
Bromodichloromethane	ND		4.9	0.66	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
Dichlorodifluoromethane	ND		4.9	0.41	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
Ethylbenzene	ND		4.9	0.34	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
1,2-Dibromoethane	ND		4.9	0.63	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
Isopropylbenzene	ND		4.9	0.75	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
Methyl acetate	ND		4.9	3.0	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
Methyl tert-butyl ether	ND		4.9	0.49	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
Methylcyclohexane	ND		4.9	0.75	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
Methylene Chloride	2.47	J	4.9	2.3	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
Styrene	ND		4.9	0.25	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
Tetrachloroethene	ND		4.9	0.66	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
Toluene	ND		4.9	0.37	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
trans-1,2-Dichloroethene	ND		4.9	0.51	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
Trichloroethene	ND		4.9	1.1	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
Trichlorofluoromethane	ND		4.9	0.47	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
Vinyl chloride	ND		4.9	0.60	ug/Kg		04/08/15 09:07	04/08/15 12:28	1
Xylenes, Total	ND		9.9	0.83	ug/Kg		04/08/15 09:07	04/08/15 12:28	1

TestAmerica Buffalo



# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-77902-1

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

Lab Sample ID: MB 480-234791/2-A

Matrix: Solid

Analysis Batch: 234784

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 234791

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		64 - 126	04/08/15 09:07	04/08/15 12:28	1
Toluene-d8 (Surr)	102		71 - 125	04/08/15 09:07	04/08/15 12:28	1
4-Bromofluorobenzene (Surr)	100		72 - 126	04/08/15 09:07	04/08/15 12:28	1
Dibromofluoromethane (Surr)	95		60 - 140	04/08/15 09:07	04/08/15 12:28	1

Lab Sample ID: LCS 480-234791/1-A

Matrix: Solid

Analysis Batch: 234784

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 234791

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	49.2	48.3		ug/Kg		98	73 - 126
1,1-Dichloroethene	49.2	49.1		ug/Kg		100	59 - 125
1,2-Dichlorobenzene	49.2	47.3		ug/Kg		96	75 - 120
1,2-Dichloroethane	49.2	42.4		ug/Kg		86	77 - 122
Benzene	49.2	49.8		ug/Kg		101	79 - 127
Chlorobenzene	49.2	50.1		ug/Kg		102	76 - 124
cis-1,2-Dichloroethene	49.2	48.9		ug/Kg		99	81 - 117
Ethylbenzene	49.2	48.8		ug/Kg		99	80 - 120
Methyl tert-butyl ether	49.2	47.9		ug/Kg		97	63 - 125
Tetrachloroethene	49.2	48.7		ug/Kg		99	74 - 122
Toluene	49.2	49.9		ug/Kg		101	74 - 128
trans-1,2-Dichloroethene	49.2	48.8		ug/Kg		99	78 - 126
Trichloroethene	49.2	45.3		ug/Kg		92	77 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	89		64 - 126
Toluene-d8 (Surr)	103		71 - 125
4-Bromofluorobenzene (Surr)	103		72 - 126
Dibromofluoromethane (Surr)	95		60 - 140

Lab Sample ID: 480-77902-6 MS

Matrix: Solid

Analysis Batch: 234784

Client Sample ID: CHF-1A

Prep Type: Total/NA

Prep Batch: 234791

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	ND		54.0	51.5		ug/Kg	☼	95	73 - 126
1,1-Dichloroethene	ND		54.0	52.4		ug/Kg	☼	97	59 - 125
1,2-Dichlorobenzene	ND		54.0	41.0		ug/Kg	☼	76	75 - 120
1,2-Dichloroethane	ND		54.0	42.8		ug/Kg	☼	79	77 - 122
Benzene	0.68	J	54.0	52.3		ug/Kg	☼	96	79 - 127
Chlorobenzene	ND		54.0	47.6		ug/Kg	☼	88	76 - 124
cis-1,2-Dichloroethene	ND		54.0	50.5		ug/Kg	☼	93	81 - 117
Ethylbenzene	ND		54.0	46.9		ug/Kg	☼	87	80 - 120
Methyl tert-butyl ether	ND		54.0	46.8		ug/Kg	☼	87	63 - 125
Tetrachloroethene	ND		54.0	48.1		ug/Kg	☼	89	74 - 122
Toluene	0.92	J	54.0	50.9		ug/Kg	☼	93	74 - 128
trans-1,2-Dichloroethene	ND		54.0	51.3		ug/Kg	☼	95	78 - 126
Trichloroethene	ND		54.0	46.4		ug/Kg	☼	86	77 - 129

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-77902-1

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

Lab Sample ID: 480-77902-6 MS

Matrix: Solid

Analysis Batch: 234784

Client Sample ID: CHF-1A

Prep Type: Total/NA

Prep Batch: 234791

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	91		64 - 126
Toluene-d8 (Surr)	104		71 - 125
4-Bromofluorobenzene (Surr)	103		72 - 126
Dibromofluoromethane (Surr)	98		60 - 140

Lab Sample ID: 480-77902-6 MSD

Matrix: Solid

Analysis Batch: 234784

Client Sample ID: CHF-1A

Prep Type: Total/NA

Prep Batch: 234791

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	ND		53.8	50.6		ug/Kg	☼	94	73 - 126	2	30
1,1-Dichloroethene	ND		53.8	51.2		ug/Kg	☼	95	59 - 125	2	30
1,2-Dichlorobenzene	ND		53.8	41.2		ug/Kg	☼	76	75 - 120	0	30
1,2-Dichloroethane	ND		53.8	43.3		ug/Kg	☼	80	77 - 122	1	30
Benzene	0.68	J	53.8	52.1		ug/Kg	☼	95	79 - 127	1	30
Chlorobenzene	ND		53.8	47.4		ug/Kg	☼	88	76 - 124	0	30
cis-1,2-Dichloroethene	ND		53.8	50.6		ug/Kg	☼	94	81 - 117	0	30
Ethylbenzene	ND		53.8	46.4		ug/Kg	☼	86	80 - 120	1	30
Methyl tert-butyl ether	ND		53.8	47.5		ug/Kg	☼	88	63 - 125	1	30
Tetrachloroethene	ND		53.8	46.8		ug/Kg	☼	87	74 - 122	3	30
Toluene	0.92	J	53.8	50.0		ug/Kg	☼	91	74 - 128	2	30
trans-1,2-Dichloroethene	ND		53.8	50.1		ug/Kg	☼	93	78 - 126	2	30
Trichloroethene	ND		53.8	46.3		ug/Kg	☼	86	77 - 129	0	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	90		64 - 126
Toluene-d8 (Surr)	105		71 - 125
4-Bromofluorobenzene (Surr)	105		72 - 126
Dibromofluoromethane (Surr)	99		60 - 140

Lab Sample ID: MB 480-234987/2-A

Matrix: Solid

Analysis Batch: 234974

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 234987

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.9	0.36	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
1,1,2,2-Tetrachloroethane	ND		4.9	0.80	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.1	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
1,1,2-Trichloroethane	ND		4.9	0.64	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
1,1-Dichloroethane	ND		4.9	0.60	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
1,1-Dichloroethene	ND		4.9	0.60	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
1,2,4-Trichlorobenzene	ND		4.9	0.30	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
1,2-Dibromo-3-Chloropropane	ND		4.9	2.5	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
1,2-Dichlorobenzene	ND		4.9	0.38	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
1,2-Dichloroethane	ND		4.9	0.25	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
1,2-Dichloropropane	ND		4.9	2.5	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
1,3-Dichlorobenzene	ND		4.9	0.25	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
1,4-Dichlorobenzene	ND		4.9	0.69	ug/Kg		04/08/15 23:10	04/09/15 00:42	1

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-77902-1

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

Lab Sample ID: MB 480-234987/2-A

Matrix: Solid

Analysis Batch: 234974

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 234987

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		25	2.5	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
Acetone	ND		25	4.1	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
Benzene	ND		4.9	0.24	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
Bromoform	ND		4.9	2.5	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
Bromomethane	ND		4.9	0.44	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
Carbon disulfide	ND		4.9	2.5	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
Carbon tetrachloride	ND		4.9	0.48	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
Chlorobenzene	ND		4.9	0.65	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
Dibromochloromethane	ND		4.9	0.63	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
Chloroethane	ND		4.9	1.1	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
Chloroform	ND		4.9	0.30	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
Chloromethane	ND		4.9	0.30	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
cis-1,2-Dichloroethene	ND		4.9	0.63	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
cis-1,3-Dichloropropene	ND		4.9	0.71	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
Cyclohexane	ND		4.9	0.69	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
Bromodichloromethane	ND		4.9	0.66	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
Dichlorodifluoromethane	ND		4.9	0.41	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
Ethylbenzene	ND		4.9	0.34	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
1,2-Dibromoethane	ND		4.9	0.63	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
Isopropylbenzene	ND		4.9	0.74	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
Methyl acetate	ND		4.9	3.0	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
Methyl tert-butyl ether	ND		4.9	0.48	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
Methylcyclohexane	ND		4.9	0.75	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
Methylene Chloride	ND		4.9	2.3	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
Styrene	ND		4.9	0.25	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
Tetrachloroethene	ND		4.9	0.66	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
Toluene	ND		4.9	0.37	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
trans-1,2-Dichloroethene	ND		4.9	0.51	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
Trichloroethene	ND		4.9	1.1	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
Trichlorofluoromethane	ND		4.9	0.46	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
Vinyl chloride	ND		4.9	0.60	ug/Kg		04/08/15 23:10	04/09/15 00:42	1
Xylenes, Total	ND		9.8	0.83	ug/Kg		04/08/15 23:10	04/09/15 00:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		64 - 126	04/08/15 23:10	04/09/15 00:42	1
Toluene-d8 (Surr)	98		71 - 125	04/08/15 23:10	04/09/15 00:42	1
4-Bromofluorobenzene (Surr)	95		72 - 126	04/08/15 23:10	04/09/15 00:42	1
Dibromofluoromethane (Surr)	94		60 - 140	04/08/15 23:10	04/09/15 00:42	1

Lab Sample ID: LCS 480-234987/1-A

Matrix: Solid

Analysis Batch: 234974

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 234987

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	49.7	51.6		ug/Kg		104	73 - 126

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-77902-1

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

Lab Sample ID: LCS 480-234987/1-A

Matrix: Solid

Analysis Batch: 234974

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 234987

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	49.7	54.2		ug/Kg		109	59 - 125
1,2-Dichlorobenzene	49.7	48.6		ug/Kg		98	75 - 120
1,2-Dichloroethane	49.7	43.2		ug/Kg		87	77 - 122
Benzene	49.7	53.4		ug/Kg		107	79 - 127
Chlorobenzene	49.7	52.2		ug/Kg		105	76 - 124
cis-1,2-Dichloroethene	49.7	52.3		ug/Kg		105	81 - 117
Ethylbenzene	49.7	52.0		ug/Kg		105	80 - 120
Methyl tert-butyl ether	49.7	47.5		ug/Kg		96	63 - 125
Tetrachloroethene	49.7	53.8		ug/Kg		108	74 - 122
Toluene	49.7	52.2		ug/Kg		105	74 - 128
trans-1,2-Dichloroethene	49.7	52.9		ug/Kg		107	78 - 126
Trichloroethene	49.7	49.8		ug/Kg		100	77 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	89		64 - 126
Toluene-d8 (Surr)	100		71 - 125
4-Bromofluorobenzene (Surr)	101		72 - 126
Dibromofluoromethane (Surr)	94		60 - 140

Lab Sample ID: 480-77902-15 MS

Matrix: Solid

Analysis Batch: 234974

Client Sample ID: CHF-5B

Prep Type: Total/NA

Prep Batch: 234987

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	ND		55.2	55.5		ug/Kg	✱	101	73 - 126
1,1-Dichloroethene	ND		55.2	58.5		ug/Kg	✱	106	59 - 125
1,2-Dichlorobenzene	ND		55.2	48.0		ug/Kg	✱	87	75 - 120
1,2-Dichloroethane	ND	F1	55.2	38.2	F1	ug/Kg	✱	69	77 - 122
Benzene	0.49	J	55.2	57.4		ug/Kg	✱	103	79 - 127
Chlorobenzene	ND		55.2	55.0		ug/Kg	✱	100	76 - 124
cis-1,2-Dichloroethene	ND		55.2	54.7		ug/Kg	✱	99	81 - 117
Ethylbenzene	ND		55.2	56.9		ug/Kg	✱	103	80 - 120
Methyl tert-butyl ether	ND		55.2	38.5		ug/Kg	✱	70	63 - 125
Tetrachloroethene	ND		55.2	58.8		ug/Kg	✱	106	74 - 122
Toluene	0.64	J	55.2	58.8		ug/Kg	✱	105	74 - 128
trans-1,2-Dichloroethene	ND		55.2	57.8		ug/Kg	✱	105	78 - 126
Trichloroethene	ND		55.2	53.5		ug/Kg	✱	97	77 - 129

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	72		64 - 126
Toluene-d8 (Surr)	106		71 - 125
4-Bromofluorobenzene (Surr)	98		72 - 126
Dibromofluoromethane (Surr)	90		60 - 140

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-77902-1

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

Lab Sample ID: 480-77902-15 MSD

Matrix: Solid

Analysis Batch: 234974

Client Sample ID: CHF-5B

Prep Type: Total/NA

Prep Batch: 234987

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	ND		55.4	54.4		ug/Kg	✱	98	73 - 126	2	30
1,1-Dichloroethene	ND		55.4	56.1		ug/Kg	✱	101	59 - 125	4	30
1,2-Dichlorobenzene	ND		55.4	48.1		ug/Kg	✱	87	75 - 120	0	30
1,2-Dichloroethane	ND	F1	55.4	40.1	F1	ug/Kg	✱	72	77 - 122	5	30
Benzene	0.49	J	55.4	55.9		ug/Kg	✱	100	79 - 127	2	30
Chlorobenzene	ND		55.4	54.2		ug/Kg	✱	98	76 - 124	2	30
cis-1,2-Dichloroethene	ND		55.4	53.7		ug/Kg	✱	97	81 - 117	2	30
Ethylbenzene	ND		55.4	54.7		ug/Kg	✱	99	80 - 120	4	30
Methyl tert-butyl ether	ND		55.4	42.4		ug/Kg	✱	77	63 - 125	10	30
Tetrachloroethene	ND		55.4	55.8		ug/Kg	✱	101	74 - 122	5	30
Toluene	0.64	J	55.4	56.8		ug/Kg	✱	101	74 - 128	3	30
trans-1,2-Dichloroethene	ND		55.4	55.2		ug/Kg	✱	100	78 - 126	5	30
Trichloroethene	ND		55.4	52.0		ug/Kg	✱	94	77 - 129	3	30
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	74		64 - 126								
Toluene-d8 (Surr)	104		71 - 125								
4-Bromofluorobenzene (Surr)	99		72 - 126								
Dibromofluoromethane (Surr)	92		60 - 140								

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

Lab Sample ID: MB 200-86757/1-A

Matrix: Solid

Analysis Batch: 86803

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 86757

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		830	34	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
2,4,6-Trichlorophenol	ND		330	34	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
2,4-Dichlorophenol	ND		330	33	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
2,4-Dimethylphenol	ND		330	52	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
2,4-Dinitrophenol	ND		830	140	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
2,4-Dinitrotoluene	ND		330	24	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
2,6-Dinitrotoluene	ND		330	30	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
2-Chloronaphthalene	ND		330	43	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
2-Chlorophenol	ND		330	34	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
2-Methylnaphthalene	ND		330	15	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
2-Methylphenol	ND		330	40	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
2-Nitroaniline	ND		830	37	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
2-Nitrophenol	ND		330	37	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
3 & 4 Methylphenol	ND		670	74	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
3,3'-Dichlorobenzidine	ND		330	48	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
3-Nitroaniline	ND		830	38	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
4,6-Dinitro-2-methylphenol	ND		830	97	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
4-Bromophenyl phenyl ether	ND		330	18	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
4-Chloro-3-methylphenol	ND		330	40	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
4-Chloroaniline	ND		330	32	ug/Kg		04/13/15 08:37	04/14/15 11:38	1

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-77902-1

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

Lab Sample ID: MB 200-86757/1-A

Matrix: Solid

Analysis Batch: 86803

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 86757

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		330	15	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
4-Nitroaniline	ND		830	32	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
4-Nitrophenol	ND		830	84	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
Acenaphthene	ND		330	13	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
Acenaphthylene	ND		330	15	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
Acetophenone	ND		330	16	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
Anthracene	ND		330	14	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
Atrazine	ND		330	16	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
Benzaldehyde	ND		330	16	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
Benzo(a)anthracene	ND		330	13	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
Benzo(a)pyrene	ND		330	12	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
Benzo(b)fluoranthene	ND		330	23	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
Benzo(g,h,i)perylene	ND		330	13	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
Benzo(k)fluoranthene	ND		330	30	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
Biphenyl	ND		330	15	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
bis (2-chloroisopropyl) ether	ND		330	16	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
Bis(2-chloroethoxy)methane	ND		330	15	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
Bis(2-chloroethyl)ether	ND		330	15	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
Bis(2-ethylhexyl) phthalate	43.4	J	330	21	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
Butyl benzyl phthalate	ND		330	20	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
Caprolactam	ND		330	35	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
Carbazole	ND		330	15	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
Chrysene	ND		330	18	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
Dibenz(a,h)anthracene	ND		330	11	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
Dibenzofuran	ND		330	16	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
Diethyl phthalate	75.4	J	330	15	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
Dimethyl phthalate	ND		330	15	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
Di-n-butyl phthalate	ND		330	15	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
Di-n-octyl phthalate	ND		330	23	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
Fluoranthene	ND		330	12	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
Fluorene	ND		330	15	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
Hexachlorobenzene	ND		330	46	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
Hexachlorobutadiene	ND		330	35	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
Hexachlorocyclopentadiene	ND		330	65	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
Hexachloroethane	ND		330	34	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
Indeno(1,2,3-cd)pyrene	ND		330	14	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
Isophorone	ND		330	42	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
Naphthalene	ND		330	15	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
Nitrobenzene	ND		330	41	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
N-Nitrosodi-n-propylamine	ND		330	46	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
N-Nitrosodiphenylamine	ND		330	16	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
Pentachlorophenol	ND		830	68	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
Phenanthrene	ND		330	12	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
Phenol	ND		330	40	ug/Kg		04/13/15 08:37	04/14/15 11:38	1
Pyrene	ND		330	14	ug/Kg		04/13/15 08:37	04/14/15 11:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	66		25 - 135	04/13/15 08:37	04/14/15 11:38	1

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-77902-1

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

Lab Sample ID: MB 200-86757/1-A

Matrix: Solid

Analysis Batch: 86803

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 86757

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	78		35 - 110	04/13/15 08:37	04/14/15 11:38	1
2-Fluorophenol	76		30 - 135	04/13/15 08:37	04/14/15 11:38	1
Nitrobenzene-d5	63		35 - 110	04/13/15 08:37	04/14/15 11:38	1
Phenol-d5	79		30 - 130	04/13/15 08:37	04/14/15 11:38	1
Terphenyl-d14 (Surr)	79		30 - 130	04/13/15 08:37	04/14/15 11:38	1

Lab Sample ID: LCS 200-86757/2-A

Matrix: Solid

Analysis Batch: 86803

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 86757

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dinitrotoluene	1670	1180		ug/Kg		71	50 - 130
2-Chlorophenol	1670	1150		ug/Kg		69	65 - 110
4-Chloro-3-methylphenol	1670	1220		ug/Kg		73	60 - 120
4-Nitrophenol	3330	2210		ug/Kg		66	40 - 140
Acenaphthene	1670	1190		ug/Kg		71	65 - 110
Bis(2-ethylhexyl) phthalate	1670	1300		ug/Kg		78	55 - 130
Fluorene	1670	1240		ug/Kg		74	65 - 110
Hexachloroethane	1670	1070		ug/Kg		64	60 - 105
N-Nitrosodi-n-propylamine	1670	1240		ug/Kg		74	65 - 120
Pentachlorophenol	3330	2220		ug/Kg		67	40 - 115
Phenol	1670	1200		ug/Kg		72	60 - 110
Pyrene	1670	1190		ug/Kg		71	60 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	81		25 - 135
2-Fluorobiphenyl	77		35 - 110
2-Fluorophenol	66		30 - 135
Nitrobenzene-d5	59		35 - 110
Phenol-d5	78		30 - 130
Terphenyl-d14 (Surr)	82		30 - 130

## Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-235202/1-A

Matrix: Solid

Analysis Batch: 235402

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 235202

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.32	ug/Kg		04/09/15 16:11	04/10/15 13:39	1
4,4'-DDE	ND		1.7	0.35	ug/Kg		04/09/15 16:11	04/10/15 13:39	1
4,4'-DDT	0.645	J	1.7	0.39	ug/Kg		04/09/15 16:11	04/10/15 13:39	1
Aldrin	ND		1.7	0.41	ug/Kg		04/09/15 16:11	04/10/15 13:39	1
alpha-BHC	ND		1.7	0.30	ug/Kg		04/09/15 16:11	04/10/15 13:39	1
alpha-Chlordane	ND		1.7	0.83	ug/Kg		04/09/15 16:11	04/10/15 13:39	1
beta-BHC	ND		1.7	0.30	ug/Kg		04/09/15 16:11	04/10/15 13:39	1
delta-BHC	ND		1.7	0.31	ug/Kg		04/09/15 16:11	04/10/15 13:39	1

TestAmerica Buffalo



# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-77902-1

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 480-235202/1-A

Matrix: Solid

Analysis Batch: 235402

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 235202

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	ND		1.7	0.40	ug/Kg		04/09/15 16:11	04/10/15 13:39	1
Endosulfan I	ND		1.7	0.32	ug/Kg		04/09/15 16:11	04/10/15 13:39	1
Endosulfan II	ND		1.7	0.30	ug/Kg		04/09/15 16:11	04/10/15 13:39	1
Endosulfan sulfate	ND		1.7	0.31	ug/Kg		04/09/15 16:11	04/10/15 13:39	1
Endrin	ND		1.7	0.33	ug/Kg		04/09/15 16:11	04/10/15 13:39	1
Endrin aldehyde	ND		1.7	0.42	ug/Kg		04/09/15 16:11	04/10/15 13:39	1
Endrin ketone	ND		1.7	0.41	ug/Kg		04/09/15 16:11	04/10/15 13:39	1
gamma-BHC (Lindane)	ND		1.7	0.30	ug/Kg		04/09/15 16:11	04/10/15 13:39	1
gamma-Chlordane	ND		1.7	0.53	ug/Kg		04/09/15 16:11	04/10/15 13:39	1
Heptachlor	ND		1.7	0.36	ug/Kg		04/09/15 16:11	04/10/15 13:39	1
Heptachlor epoxide	ND		1.7	0.43	ug/Kg		04/09/15 16:11	04/10/15 13:39	1
Methoxychlor	ND		1.7	0.34	ug/Kg		04/09/15 16:11	04/10/15 13:39	1
Toxaphene	ND		17	9.7	ug/Kg		04/09/15 16:11	04/10/15 13:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	94		32 - 136	04/09/15 16:11	04/10/15 13:39	1
Tetrachloro-m-xylene	94		30 - 124	04/09/15 16:11	04/10/15 13:39	1

Lab Sample ID: LCS 480-235202/2-A

Matrix: Solid

Analysis Batch: 235402

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 235202

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	16.5	17.4		ug/Kg		106	52 - 138
4,4'-DDE	16.5	15.4		ug/Kg		94	52 - 131
4,4'-DDT	16.5	17.0		ug/Kg		103	50 - 131
Aldrin	16.5	14.4		ug/Kg		88	35 - 120
alpha-BHC	16.5	15.7		ug/Kg		95	49 - 120
alpha-Chlordane	16.5	15.9		ug/Kg		96	40 - 133
beta-BHC	16.5	15.9		ug/Kg		96	52 - 127
delta-BHC	16.5	16.1		ug/Kg		98	45 - 123
Dieldrin	16.5	16.8		ug/Kg		102	50 - 131
Endosulfan I	16.5	15.1		ug/Kg		92	43 - 121
Endosulfan II	16.5	15.8		ug/Kg		96	48 - 134
Endosulfan sulfate	16.5	17.1		ug/Kg		104	46 - 144
Endrin	16.5	16.6		ug/Kg		101	46 - 134
Endrin aldehyde	16.5	16.3		ug/Kg		99	31 - 137
Endrin ketone	16.5	17.5		ug/Kg		106	44 - 140
gamma-BHC (Lindane)	16.5	16.8		ug/Kg		102	50 - 120
gamma-Chlordane	16.5	15.5		ug/Kg		94	52 - 129
Heptachlor	16.5	16.4		ug/Kg		99	51 - 121
Heptachlor epoxide	16.5	15.8		ug/Kg		96	52 - 129
Methoxychlor	16.5	20.7		ug/Kg		126	50 - 149

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	94		32 - 136
Tetrachloro-m-xylene	92		30 - 124

TestAmerica Buffalo



# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-77902-1

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 480-77902-1 MS

Matrix: Solid

Analysis Batch: 235402

Client Sample ID: CHF-1

Prep Type: Total/NA

Prep Batch: 235202

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	ND		17.8	17.5		ug/Kg	✱	98	26 - 162
4,4'-DDE	0.43	J	17.8	14.6		ug/Kg	✱	80	34 - 138
4,4'-DDT	0.65	J B	17.8	13.6		ug/Kg	✱	72	43 - 131
Aldrin	ND		17.8	15.7		ug/Kg	✱	88	37 - 125
alpha-BHC	ND		17.8	16.1		ug/Kg	✱	90	39 - 117
alpha-Chlordane	ND		17.8	15.8		ug/Kg	✱	89	29 - 141
beta-BHC	ND		17.8	15.2		ug/Kg	✱	85	36 - 139
delta-BHC	0.45	J	17.8	16.1		ug/Kg	✱	88	23 - 132
Dieldrin	ND		17.8	17.5		ug/Kg	✱	98	38 - 135
Endosulfan I	ND		17.8	15.1		ug/Kg	✱	85	39 - 128
Endosulfan II	ND		17.8	16.2		ug/Kg	✱	91	24 - 134
Endosulfan sulfate	ND		17.8	17.5		ug/Kg	✱	98	19 - 137
Endrin	ND		17.8	16.8		ug/Kg	✱	94	41 - 147
Endrin aldehyde	0.67	J	17.8	14.6		ug/Kg	✱	78	20 - 120
Endrin ketone	ND		17.8	18.0		ug/Kg	✱	101	31 - 139
gamma-BHC (Lindane)	ND		17.8	17.5		ug/Kg	✱	98	50 - 120
gamma-Chlordane	ND		17.8	15.0		ug/Kg	✱	79	31 - 140
Heptachlor	ND		17.8	16.9		ug/Kg	✱	95	42 - 128
Heptachlor epoxide	ND		17.8	16.1		ug/Kg	✱	90	26 - 141
Methoxychlor	ND		17.8	21.9		ug/Kg	✱	123	44 - 157
Surrogate	MS %Recovery	MS Qualifier	MS Limits						
DCB Decachlorobiphenyl	95		32 - 136						
Tetrachloro-m-xylene	87		30 - 124						

Lab Sample ID: 480-77902-1 MSD

Matrix: Solid

Analysis Batch: 235402

Client Sample ID: CHF-1

Prep Type: Total/NA

Prep Batch: 235202

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
4,4'-DDD	ND		18.2	17.2		ug/Kg	✱	94	26 - 162	2	21
4,4'-DDE	0.43	J	18.2	14.9		ug/Kg	✱	80	34 - 138	2	18
4,4'-DDT	0.65	J B	18.2	14.4		ug/Kg	✱	76	43 - 131	6	25
Aldrin	ND		18.2	15.8		ug/Kg	✱	87	37 - 125	0	12
alpha-BHC	ND		18.2	16.0		ug/Kg	✱	88	39 - 117	0	15
alpha-Chlordane	ND		18.2	15.8		ug/Kg	✱	87	29 - 141	0	23
beta-BHC	ND		18.2	15.6		ug/Kg	✱	86	36 - 139	3	19
delta-BHC	0.45	J	18.2	16.1		ug/Kg	✱	86	23 - 132	0	14
Dieldrin	ND		18.2	17.1		ug/Kg	✱	94	38 - 135	3	12
Endosulfan I	ND		18.2	15.3		ug/Kg	✱	84	39 - 128	1	18
Endosulfan II	ND		18.2	15.9		ug/Kg	✱	88	24 - 134	2	26
Endosulfan sulfate	ND		18.2	16.7		ug/Kg	✱	92	19 - 137	4	35
Endrin	ND		18.2	16.5		ug/Kg	✱	91	41 - 147	2	20
Endrin aldehyde	0.67	J	18.2	14.9		ug/Kg	✱	78	20 - 120	2	47
Endrin ketone	ND		18.2	17.7		ug/Kg	✱	98	31 - 139	1	37
gamma-BHC (Lindane)	ND		18.2	17.4		ug/Kg	✱	96	50 - 120	1	12
gamma-Chlordane	ND		18.2	15.4		ug/Kg	✱	80	31 - 140	3	15
Heptachlor	ND		18.2	16.9		ug/Kg	✱	93	42 - 128	0	22

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-77902-1

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 480-77902-1 MSD

Matrix: Solid

Analysis Batch: 235402

Client Sample ID: CHF-1

Prep Type: Total/NA

Prep Batch: 235202

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Heptachlor epoxide	ND		18.2	16.1		ug/Kg	☼	89	26 - 141	0	15
Methoxychlor	ND		18.2	18.7		ug/Kg	☼	103	44 - 157	16	24
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
DCB Decachlorobiphenyl	40		32 - 136								
Tetrachloro-m-xylene	85		30 - 124								

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

Lab Sample ID: MB 480-235225/1-A

Matrix: Solid

Analysis Batch: 235425

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 235225

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.23	0.045	mg/Kg		04/09/15 17:30	04/10/15 13:42	1
PCB-1221	ND		0.23	0.045	mg/Kg		04/09/15 17:30	04/10/15 13:42	1
PCB-1232	ND		0.23	0.045	mg/Kg		04/09/15 17:30	04/10/15 13:42	1
PCB-1242	ND		0.23	0.045	mg/Kg		04/09/15 17:30	04/10/15 13:42	1
PCB-1248	ND		0.23	0.045	mg/Kg		04/09/15 17:30	04/10/15 13:42	1
PCB-1254	ND		0.23	0.11	mg/Kg		04/09/15 17:30	04/10/15 13:42	1
PCB-1260	ND		0.23	0.11	mg/Kg		04/09/15 17:30	04/10/15 13:42	1
PCB-1262	ND		0.23	0.11	mg/Kg		04/09/15 17:30	04/10/15 13:42	1
PCB-1268	ND		0.23	0.11	mg/Kg		04/09/15 17:30	04/10/15 13:42	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	106		46 - 175				04/09/15 17:30	04/10/15 13:42	1
DCB Decachlorobiphenyl	101		47 - 176				04/09/15 17:30	04/10/15 13:42	1

Lab Sample ID: LCS 480-235225/2-A

Matrix: Solid

Analysis Batch: 235425

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 235225

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1.99	2.61		mg/Kg		131	51 - 185
PCB-1260	1.99	2.57		mg/Kg		129	61 - 184
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Tetrachloro-m-xylene	112		46 - 175				
DCB Decachlorobiphenyl	114		47 - 176				

Lab Sample ID: 480-77902-1 MS

Matrix: Solid

Analysis Batch: 235425

Client Sample ID: CHF-1

Prep Type: Total/NA

Prep Batch: 235225

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		2.35	3.05		mg/Kg	☼	130	42 - 159
PCB-1260	ND		2.35	3.00		mg/Kg	☼	128	47 - 153

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-77902-1

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

Lab Sample ID: 480-77902-1 MS

Matrix: Solid

Analysis Batch: 235425

Client Sample ID: CHF-1

Prep Type: Total/NA

Prep Batch: 235225

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
Tetrachloro-m-xylene	112		46 - 175
DCB Decachlorobiphenyl	113		47 - 176

Lab Sample ID: 480-77902-1 MSD

Matrix: Solid

Analysis Batch: 235425

Client Sample ID: CHF-1

Prep Type: Total/NA

Prep Batch: 235225

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		2.53	3.30		mg/Kg	☼	130	42 - 159	8	50
PCB-1260	ND		2.53	3.21		mg/Kg	☼	127	47 - 153	6	50

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
Tetrachloro-m-xylene	118		46 - 175
DCB Decachlorobiphenyl	113		47 - 176

## Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 480-234732/1-A

Matrix: Solid

Analysis Batch: 236267

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 234732

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		17	5.3	ug/Kg		04/08/15 07:40	04/15/15 11:06	1
2,4-D	ND		17	10	ug/Kg		04/08/15 07:40	04/15/15 11:06	1
Silvex (2,4,5-TP)	ND		17	6.0	ug/Kg		04/08/15 07:40	04/15/15 11:06	1

	MB	MB					Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	74		39 - 120				04/08/15 07:40	04/15/15 11:06	1

Lab Sample ID: LCS 480-234732/2-A

Matrix: Solid

Analysis Batch: 236267

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 234732

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-T	65.8	51.9		ug/Kg		79	42 - 127
2,4-D	65.8	53.0		ug/Kg		80	47 - 130
Silvex (2,4,5-TP)	65.8	54.8		ug/Kg		83	42 - 149

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
2,4-Dichlorophenylacetic acid	77		39 - 120

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-77902-1

## Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-235162/1-A

Matrix: Solid

Analysis Batch: 235545

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 235162

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		10.2	4.5	mg/Kg		04/09/15 15:30	04/10/15 21:19	1
Antimony	ND		15.3	0.41	mg/Kg		04/09/15 15:30	04/10/15 21:19	1
Barium	ND		0.51	0.11	mg/Kg		04/09/15 15:30	04/10/15 21:19	1
Beryllium	ND		0.20	0.029	mg/Kg		04/09/15 15:30	04/10/15 21:19	1
Cadmium	ND		0.20	0.031	mg/Kg		04/09/15 15:30	04/10/15 21:19	1
Calcium	11.65	J	50.9	3.4	mg/Kg		04/09/15 15:30	04/10/15 21:19	1
Chromium	ND		0.51	0.20	mg/Kg		04/09/15 15:30	04/10/15 21:19	1
Cobalt	ND		0.51	0.051	mg/Kg		04/09/15 15:30	04/10/15 21:19	1
Copper	ND		1.0	0.21	mg/Kg		04/09/15 15:30	04/10/15 21:19	1
Iron	ND		10.2	1.1	mg/Kg		04/09/15 15:30	04/10/15 21:19	1
Lead	0.321	J	1.0	0.24	mg/Kg		04/09/15 15:30	04/10/15 21:19	1
Magnesium	3.89	J	20.4	0.94	mg/Kg		04/09/15 15:30	04/10/15 21:19	1
Manganese	0.0744	J	0.20	0.033	mg/Kg		04/09/15 15:30	04/10/15 21:19	1
Nickel	ND		5.1	0.23	mg/Kg		04/09/15 15:30	04/10/15 21:19	1
Potassium	ND		30.6	20.4	mg/Kg		04/09/15 15:30	04/10/15 21:19	1
Selenium	ND		4.1	0.41	mg/Kg		04/09/15 15:30	04/10/15 21:19	1
Silver	ND		0.51	0.20	mg/Kg		04/09/15 15:30	04/10/15 21:19	1
Sodium	ND		143	13.2	mg/Kg		04/09/15 15:30	04/10/15 21:19	1
Thallium	ND		6.1	0.31	mg/Kg		04/09/15 15:30	04/10/15 21:19	1
Vanadium	ND		0.51	0.11	mg/Kg		04/09/15 15:30	04/10/15 21:19	1
Zinc	0.472	J	2.0	0.16	mg/Kg		04/09/15 15:30	04/10/15 21:19	1

Lab Sample ID: MB 480-235162/1-A

Matrix: Solid

Analysis Batch: 235726

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 235162

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.0	0.41	mg/Kg		04/09/15 15:30	04/11/15 18:01	1

Lab Sample ID: LCSSRM 480-235162/2-A

Matrix: Solid

Analysis Batch: 235545

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 235162

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8740	7680		mg/Kg		87.9	41.6 - 157.9
Antimony	108	88.06		mg/Kg		81.5	23.0 - 254.6
Beryllium	149	105.0		mg/Kg		70.5	67.0 - 111.4
Cadmium	152	115.7		mg/Kg		76.1	73.0 - 126.3
Calcium	6400	4883		mg/Kg		76.3	73.9 - 125.9
Chromium	117	90.36		mg/Kg		77.2	69.7 - 129.9
Cobalt	68.7	56.86		mg/Kg		82.8	74.4 - 125.8
Copper	68.6	56.01		mg/Kg		81.7	73.2 - 129.2

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-77902-1

## Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-235162/2-A

Matrix: Solid

Analysis Batch: 235545

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 235162

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	12300	9979		mg/Kg		81.1	30.5 - 169.9
Lead	254	200.4		mg/Kg		78.9	75.6 - 124.8
Magnesium	3600	2808		mg/Kg		78.0	68.3 - 131.7
Manganese	563	436.6		mg/Kg		77.6	77.4 - 122.6
Nickel	315	261.3		mg/Kg		83.0	74.3 - 126.7
Potassium	3040	2417		mg/Kg		79.5	62.5 - 137.2
Selenium	162	123.2		mg/Kg		76.0	67.3 - 132.1
Silver	44.3	34.98		mg/Kg		79.0	66.4 - 133.9
Sodium	746	569.4		mg/Kg		76.3	56.8 - 143.4
Thallium	259	208.4		mg/Kg		80.5	69.5 - 130.5
Vanadium	116	97.74		mg/Kg		84.3	67.5 - 131.9
Zinc	306	248.5		mg/Kg		81.2	71.9 - 128.4

Lab Sample ID: LCSSRM 480-235162/2-A

Matrix: Solid

Analysis Batch: 235726

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 235162

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	151	113.4		mg/Kg		75.1	70.9 - 129.8
Barium	262	207.7		mg/Kg		79.3	73.7 - 126.3

Lab Sample ID: 480-77902-1 MS

Matrix: Solid

Analysis Batch: 235545

Client Sample ID: CHF-1

Prep Type: Total/NA

Prep Batch: 235162

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	2900	F1	2120	7397	F1	mg/Kg	☼	212	75 - 125
Antimony	ND		42.4	37.08		mg/Kg	☼	87	75 - 125
Barium	12.3	*	42.4	57.87		mg/Kg	☼	107	75 - 125
Beryllium	0.19	J	42.4	41.25		mg/Kg	☼	97	75 - 125
Cadmium	0.21		42.4	41.65		mg/Kg	☼	98	75 - 125
Calcium	52600	B	2120	55120	4	mg/Kg	☼	121	75 - 125
Chromium	4.1		42.4	45.30		mg/Kg	☼	97	75 - 125
Cobalt	1.9		42.4	44.47		mg/Kg	☼	100	75 - 125
Copper	7.4		42.4	51.53		mg/Kg	☼	104	75 - 125
Iron	5510	F1	2120	8307	F1	mg/Kg	☼	132	75 - 125
Lead	7.2	B	42.4	50.07		mg/Kg	☼	101	75 - 125
Magnesium	24300	B	2120	25250	4	mg/Kg	☼	43	75 - 125

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-77902-1

## Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-77902-1 MS

Matrix: Solid

Analysis Batch: 235545

Client Sample ID: CHF-1

Prep Type: Total/NA

Prep Batch: 235162

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Manganese	239	B	42.4	277.9	4	mg/Kg	✱	91	75 - 125
Nickel	4.2	J	42.4	45.57		mg/Kg	✱	97	75 - 125
Potassium	787	F1	2120	3747	F1	mg/Kg	✱	139	75 - 125
Selenium	ND		42.4	38.54		mg/Kg	✱	91	75 - 125
Silver	ND	F2	10.6	13.26		mg/Kg	✱	125	75 - 125
Sodium	173		2130	2320		mg/Kg	✱	101	75 - 125
Thallium	ND		42.4	40.04		mg/Kg	✱	94	75 - 125
Vanadium	9.0		42.4	56.10		mg/Kg	✱	111	75 - 125
Zinc	68.4	B F1	42.4	105.0		mg/Kg	✱	86	75 - 125

Lab Sample ID: 480-77902-1 MS

Matrix: Solid

Analysis Batch: 235726

Client Sample ID: CHF-1

Prep Type: Total/NA

Prep Batch: 235162

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.5	J	42.4	40.39		mg/Kg	✱	92	75 - 125
Barium	12.8		42.4	59.38		mg/Kg	✱	110	75 - 125

Lab Sample ID: 480-77902-1 MSD

Matrix: Solid

Analysis Batch: 235545

Client Sample ID: CHF-1

Prep Type: Total/NA

Prep Batch: 235162

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	2900	F1	2220	6359	F1	mg/Kg	✱	156	75 - 125	15	20
Antimony	ND		44.5	33.61		mg/Kg	✱	76	75 - 125	10	20
Barium	12.3	*	44.5	50.98		mg/Kg	✱	87	75 - 125	13	20
Beryllium	0.19	J	44.5	37.35		mg/Kg	✱	84	75 - 125	10	20
Cadmium	0.21		44.5	37.78		mg/Kg	✱	84	75 - 125	10	20
Calcium	52600	B	2220	49350	4	mg/Kg	✱	-144	75 - 125	11	20
Chromium	4.1		44.5	41.34		mg/Kg	✱	84	75 - 125	9	20
Cobalt	1.9		44.5	39.89		mg/Kg	✱	85	75 - 125	11	20
Copper	7.4		44.5	46.09		mg/Kg	✱	87	75 - 125	11	20
Iron	5510	F1	2220	7235		mg/Kg	✱	78	75 - 125	14	20
Lead	7.2	B	44.5	43.98		mg/Kg	✱	83	75 - 125	13	20
Magnesium	24300	B	2220	23250	4	mg/Kg	✱	-49	75 - 125	8	20
Manganese	239	B	44.5	246.7	4	mg/Kg	✱	17	75 - 125	12	20
Nickel	4.2	J	44.5	41.13		mg/Kg	✱	83	75 - 125	10	20
Potassium	787	F1	2230	3281		mg/Kg	✱	112	75 - 125	13	20
Selenium	ND		44.5	35.59		mg/Kg	✱	80	75 - 125	8	20
Silver	ND	F2	11.1	9.79	F2	mg/Kg	✱	88	75 - 125	30	20
Sodium	173		2230	2066		mg/Kg	✱	85	75 - 125	12	20
Thallium	ND		44.5	36.36		mg/Kg	✱	82	75 - 125	10	20
Vanadium	9.0		44.5	50.23		mg/Kg	✱	93	75 - 125	11	20
Zinc	68.4	B F1	44.5	98.04	F1	mg/Kg	✱	67	75 - 125	7	20

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-77902-1

## Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-77902-1 MSD

Matrix: Solid

Analysis Batch: 235726

Client Sample ID: CHF-1

Prep Type: Total/NA

Prep Batch: 235162

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	1.5	J	44.5	36.53		mg/Kg	☼	79	75 - 125	10	20
Barium	12.8		44.5	52.26		mg/Kg	☼	89	75 - 125	13	20

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

Lab Sample ID: MB 480-236601/1-A

Matrix: Solid

Analysis Batch: 236693

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 236601

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.020	0.0081	mg/Kg		04/16/15 14:35	04/16/15 15:41	1

Lab Sample ID: LCSSRM 480-236601/2-A

Matrix: Solid

Analysis Batch: 236693

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 236601

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Hg	5.76	5.21		mg/Kg		90.5	51.0 - 148.8

Lab Sample ID: 480-77902-1 MS

Matrix: Solid

Analysis Batch: 236693

Client Sample ID: CHF-1

Prep Type: Total/NA

Prep Batch: 236601

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Hg	ND		0.340	0.330		mg/Kg	☼	97	80 - 120

Lab Sample ID: 480-77902-1 MSD

Matrix: Solid

Analysis Batch: 236693

Client Sample ID: CHF-1

Prep Type: Total/NA

Prep Batch: 236601

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hg	ND		0.365	0.349		mg/Kg	☼	96	80 - 120	6	20

## Method: 9012B - Cyanide, Total and/or Amenable

Lab Sample ID: MB 480-235507/1-A

Matrix: Solid

Analysis Batch: 235618

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 235507

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.895	J	0.98	0.47	mg/Kg		04/10/15 15:51	04/11/15 10:42	1

Lab Sample ID: LCS 480-235507/2-A ^5

Matrix: Solid

Analysis Batch: 235618

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 235507

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	101	98.83		mg/Kg		98	29 - 122

TestAmerica Buffalo

# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-77902-1

## Method: 9012B - Cyanide, Total and/or Amenable (Continued)

Lab Sample ID: 480-77902-3 DU  
Matrix: Solid  
Analysis Batch: 235618

Client Sample ID: CHF-3  
Prep Type: Total/NA  
Prep Batch: 235507

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Cyanide, Total	ND		ND		mg/Kg	✱	NC	15

Lab Sample ID: MB 480-236126/1-A  
Matrix: Solid  
Analysis Batch: 236347

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 236126

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.99	0.48	mg/Kg		04/14/15 15:30	04/15/15 13:03	1

Lab Sample ID: LCS 480-236126/2-A ^5  
Matrix: Solid  
Analysis Batch: 236347

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 236126

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	101	92.61		mg/Kg		92	29 - 122



# QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-77902-1

## GC/MS VOA

### Analysis Batch: 234784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-77902-6	CHF-1A	Total/NA	Solid	8260C	234791
480-77902-6 MS	CHF-1A	Total/NA	Solid	8260C	234791
480-77902-6 MSD	CHF-1A	Total/NA	Solid	8260C	234791
480-77902-7	CHF-1B	Total/NA	Solid	8260C	234791
480-77902-8	CHF-2A	Total/NA	Solid	8260C	234791
480-77902-9	CHF-2B	Total/NA	Solid	8260C	234791
480-77902-10	CHF-3A	Total/NA	Solid	8260C	234791
LCS 480-234791/1-A	Lab Control Sample	Total/NA	Solid	8260C	234791
MB 480-234791/2-A	Method Blank	Total/NA	Solid	8260C	234791

### Prep Batch: 234791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-77902-6	CHF-1A	Total/NA	Solid	5035	
480-77902-6 MS	CHF-1A	Total/NA	Solid	5035	
480-77902-6 MSD	CHF-1A	Total/NA	Solid	5035	
480-77902-7	CHF-1B	Total/NA	Solid	5035	
480-77902-8	CHF-2A	Total/NA	Solid	5035	
480-77902-9	CHF-2B	Total/NA	Solid	5035	
480-77902-10	CHF-3A	Total/NA	Solid	5035	
480-77902-11	CHF-3B	Total/NA	Solid	5035	
480-77902-12	CHF-4A	Total/NA	Solid	5035	
480-77902-13	CHF-4B	Total/NA	Solid	5035	
480-77902-14	CHF-5A	Total/NA	Solid	5035	
LCS 480-234791/1-A	Lab Control Sample	Total/NA	Solid	5035	
MB 480-234791/2-A	Method Blank	Total/NA	Solid	5035	

### Analysis Batch: 234974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-77902-11	CHF-3B	Total/NA	Solid	8260C	234791
480-77902-12	CHF-4A	Total/NA	Solid	8260C	234791
480-77902-13	CHF-4B	Total/NA	Solid	8260C	234791
480-77902-14	CHF-5A	Total/NA	Solid	8260C	234791
480-77902-15	CHF-5B	Total/NA	Solid	8260C	234987
480-77902-15 MS	CHF-5B	Total/NA	Solid	8260C	234987
480-77902-15 MSD	CHF-5B	Total/NA	Solid	8260C	234987
480-77902-16	CRS-1	Total/NA	Solid	8260C	234987
LCS 480-234987/1-A	Lab Control Sample	Total/NA	Solid	8260C	234987
MB 480-234987/2-A	Method Blank	Total/NA	Solid	8260C	234987

### Prep Batch: 234987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-77902-15	CHF-5B	Total/NA	Solid	5035	
480-77902-15 MS	CHF-5B	Total/NA	Solid	5035	
480-77902-15 MSD	CHF-5B	Total/NA	Solid	5035	
480-77902-16	CRS-1	Total/NA	Solid	5035	
LCS 480-234987/1-A	Lab Control Sample	Total/NA	Solid	5035	
MB 480-234987/2-A	Method Blank	Total/NA	Solid	5035	

TestAmerica Buffalo

# QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-77902-1

## GC/MS Semi VOA

### Prep Batch: 86757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-77902-1	CHF-1	Total/NA	Solid	3550C	
480-77902-2	CHF-2	Total/NA	Solid	3550C	
480-77902-3	CHF-3	Total/NA	Solid	3550C	
480-77902-4	CHF-4	Total/NA	Solid	3550C	
480-77902-5	CHF-5	Total/NA	Solid	3550C	
480-77902-16	CRS-1	Total/NA	Solid	3550C	
LCS 200-86757/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 200-86757/1-A	Method Blank	Total/NA	Solid	3550C	

### Analysis Batch: 86803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-77902-1	CHF-1	Total/NA	Solid	8270D	86757
480-77902-2	CHF-2	Total/NA	Solid	8270D	86757
480-77902-3	CHF-3	Total/NA	Solid	8270D	86757
480-77902-4	CHF-4	Total/NA	Solid	8270D	86757
480-77902-5	CHF-5	Total/NA	Solid	8270D	86757
480-77902-16	CRS-1	Total/NA	Solid	8270D	86757
LCS 200-86757/2-A	Lab Control Sample	Total/NA	Solid	8270D	86757
MB 200-86757/1-A	Method Blank	Total/NA	Solid	8270D	86757

## GC Semi VOA

### Prep Batch: 234732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-77902-1	CHF-1	Total/NA	Solid	8151A	
480-77902-2	CHF-2	Total/NA	Solid	8151A	
480-77902-3	CHF-3	Total/NA	Solid	8151A	
480-77902-4	CHF-4	Total/NA	Solid	8151A	
480-77902-5	CHF-5	Total/NA	Solid	8151A	
480-77902-16	CRS-1	Total/NA	Solid	8151A	
LCS 480-234732/2-A	Lab Control Sample	Total/NA	Solid	8151A	
MB 480-234732/1-A	Method Blank	Total/NA	Solid	8151A	

### Prep Batch: 235202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-77902-1	CHF-1	Total/NA	Solid	3550C	
480-77902-1 MS	CHF-1	Total/NA	Solid	3550C	
480-77902-1 MSD	CHF-1	Total/NA	Solid	3550C	
480-77902-2	CHF-2	Total/NA	Solid	3550C	
480-77902-3	CHF-3	Total/NA	Solid	3550C	
480-77902-4	CHF-4	Total/NA	Solid	3550C	
480-77902-5	CHF-5	Total/NA	Solid	3550C	
480-77902-16	CRS-1	Total/NA	Solid	3550C	
LCS 480-235202/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 480-235202/1-A	Method Blank	Total/NA	Solid	3550C	

### Prep Batch: 235225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-77902-1	CHF-1	Total/NA	Solid	3550C	
480-77902-1 MS	CHF-1	Total/NA	Solid	3550C	

TestAmerica Buffalo

# QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-77902-1

## GC Semi VOA (Continued)

### Prep Batch: 235225 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-77902-1 MSD	CHF-1	Total/NA	Solid	3550C	
480-77902-2	CHF-2	Total/NA	Solid	3550C	
480-77902-3	CHF-3	Total/NA	Solid	3550C	
480-77902-4	CHF-4	Total/NA	Solid	3550C	
480-77902-5	CHF-5	Total/NA	Solid	3550C	
480-77902-16	CRS-1	Total/NA	Solid	3550C	
LCS 480-235225/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 480-235225/1-A	Method Blank	Total/NA	Solid	3550C	

### Analysis Batch: 235402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-77902-1	CHF-1	Total/NA	Solid	8081B	235202
480-77902-1 MS	CHF-1	Total/NA	Solid	8081B	235202
480-77902-1 MSD	CHF-1	Total/NA	Solid	8081B	235202
480-77902-2	CHF-2	Total/NA	Solid	8081B	235202
480-77902-3	CHF-3	Total/NA	Solid	8081B	235202
480-77902-4	CHF-4	Total/NA	Solid	8081B	235202
480-77902-5	CHF-5	Total/NA	Solid	8081B	235202
480-77902-16	CRS-1	Total/NA	Solid	8081B	235202
LCS 480-235202/2-A	Lab Control Sample	Total/NA	Solid	8081B	235202
MB 480-235202/1-A	Method Blank	Total/NA	Solid	8081B	235202

### Analysis Batch: 235425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-77902-1	CHF-1	Total/NA	Solid	8082A	235225
480-77902-1 MS	CHF-1	Total/NA	Solid	8082A	235225
480-77902-1 MSD	CHF-1	Total/NA	Solid	8082A	235225
480-77902-2	CHF-2	Total/NA	Solid	8082A	235225
480-77902-3	CHF-3	Total/NA	Solid	8082A	235225
480-77902-4	CHF-4	Total/NA	Solid	8082A	235225
480-77902-5	CHF-5	Total/NA	Solid	8082A	235225
480-77902-16	CRS-1	Total/NA	Solid	8082A	235225
LCS 480-235225/2-A	Lab Control Sample	Total/NA	Solid	8082A	235225
MB 480-235225/1-A	Method Blank	Total/NA	Solid	8082A	235225

### Analysis Batch: 236267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-234732/2-A	Lab Control Sample	Total/NA	Solid	8151A	234732
MB 480-234732/1-A	Method Blank	Total/NA	Solid	8151A	234732

### Analysis Batch: 236680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-77902-1	CHF-1	Total/NA	Solid	8151A	234732
480-77902-2	CHF-2	Total/NA	Solid	8151A	234732
480-77902-3	CHF-3	Total/NA	Solid	8151A	234732
480-77902-4	CHF-4	Total/NA	Solid	8151A	234732
480-77902-5	CHF-5	Total/NA	Solid	8151A	234732
480-77902-16	CRS-1	Total/NA	Solid	8151A	234732

TestAmerica Buffalo

# QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-77902-1

## Metals

### Prep Batch: 235162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-77902-1	CHF-1	Total/NA	Solid	3050B	
480-77902-1 MS	CHF-1	Total/NA	Solid	3050B	
480-77902-1 MSD	CHF-1	Total/NA	Solid	3050B	
480-77902-2	CHF-2	Total/NA	Solid	3050B	
480-77902-3	CHF-3	Total/NA	Solid	3050B	
480-77902-4	CHF-4	Total/NA	Solid	3050B	
480-77902-5	CHF-5	Total/NA	Solid	3050B	
480-77902-16	CRS-1	Total/NA	Solid	3050B	
LCSSRM 480-235162/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 480-235162/1-A	Method Blank	Total/NA	Solid	3050B	

### Analysis Batch: 235545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-77902-1	CHF-1	Total/NA	Solid	6010C	235162
480-77902-1 MS	CHF-1	Total/NA	Solid	6010C	235162
480-77902-1 MSD	CHF-1	Total/NA	Solid	6010C	235162
480-77902-2	CHF-2	Total/NA	Solid	6010C	235162
480-77902-3	CHF-3	Total/NA	Solid	6010C	235162
480-77902-4	CHF-4	Total/NA	Solid	6010C	235162
480-77902-5	CHF-5	Total/NA	Solid	6010C	235162
480-77902-16	CRS-1	Total/NA	Solid	6010C	235162
LCSSRM 480-235162/2-A	Lab Control Sample	Total/NA	Solid	6010C	235162
MB 480-235162/1-A	Method Blank	Total/NA	Solid	6010C	235162

### Analysis Batch: 235726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-77902-1	CHF-1	Total/NA	Solid	6010C	235162
480-77902-1 MS	CHF-1	Total/NA	Solid	6010C	235162
480-77902-1 MSD	CHF-1	Total/NA	Solid	6010C	235162
480-77902-2	CHF-2	Total/NA	Solid	6010C	235162
480-77902-3	CHF-3	Total/NA	Solid	6010C	235162
480-77902-4	CHF-4	Total/NA	Solid	6010C	235162
480-77902-5	CHF-5	Total/NA	Solid	6010C	235162
480-77902-16	CRS-1	Total/NA	Solid	6010C	235162
LCSSRM 480-235162/2-A	Lab Control Sample	Total/NA	Solid	6010C	235162
MB 480-235162/1-A	Method Blank	Total/NA	Solid	6010C	235162

### Analysis Batch: 235835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-77902-16	CRS-1	Total/NA	Solid	6010C	235162

### Prep Batch: 236601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-77902-1	CHF-1	Total/NA	Solid	7471B	
480-77902-1 MS	CHF-1	Total/NA	Solid	7471B	
480-77902-1 MSD	CHF-1	Total/NA	Solid	7471B	
480-77902-2	CHF-2	Total/NA	Solid	7471B	
480-77902-3	CHF-3	Total/NA	Solid	7471B	
480-77902-4	CHF-4	Total/NA	Solid	7471B	
480-77902-5	CHF-5	Total/NA	Solid	7471B	
480-77902-16	CRS-1	Total/NA	Solid	7471B	

TestAmerica Buffalo

# QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-77902-1

## Metals (Continued)

### Prep Batch: 236601 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSSRM 480-236601/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 480-236601/1-A	Method Blank	Total/NA	Solid	7471B	

### Analysis Batch: 236693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-77902-1	CHF-1	Total/NA	Solid	7471B	236601
480-77902-1 MS	CHF-1	Total/NA	Solid	7471B	236601
480-77902-1 MSD	CHF-1	Total/NA	Solid	7471B	236601
480-77902-2	CHF-2	Total/NA	Solid	7471B	236601
480-77902-3	CHF-3	Total/NA	Solid	7471B	236601
480-77902-4	CHF-4	Total/NA	Solid	7471B	236601
480-77902-5	CHF-5	Total/NA	Solid	7471B	236601
480-77902-16	CRS-1	Total/NA	Solid	7471B	236601
LCSSRM 480-236601/2-A	Lab Control Sample	Total/NA	Solid	7471B	236601
MB 480-236601/1-A	Method Blank	Total/NA	Solid	7471B	236601

## General Chemistry

### Analysis Batch: 234763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-77902-1	CHF-1	Total/NA	Solid	Moisture	
480-77902-2	CHF-2	Total/NA	Solid	Moisture	
480-77902-3	CHF-3	Total/NA	Solid	Moisture	
480-77902-4	CHF-4	Total/NA	Solid	Moisture	
480-77902-5	CHF-5	Total/NA	Solid	Moisture	
480-77902-16	CRS-1	Total/NA	Solid	Moisture	

### Analysis Batch: 234883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-77902-6	CHF-1A	Total/NA	Solid	Moisture	
480-77902-7	CHF-1B	Total/NA	Solid	Moisture	
480-77902-8	CHF-2A	Total/NA	Solid	Moisture	
480-77902-9	CHF-2B	Total/NA	Solid	Moisture	
480-77902-10	CHF-3A	Total/NA	Solid	Moisture	
480-77902-11	CHF-3B	Total/NA	Solid	Moisture	
480-77902-12	CHF-4A	Total/NA	Solid	Moisture	
480-77902-13	CHF-4B	Total/NA	Solid	Moisture	
480-77902-14	CHF-5A	Total/NA	Solid	Moisture	
480-77902-15	CHF-5B	Total/NA	Solid	Moisture	

### Prep Batch: 235507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-77902-2	CHF-2	Total/NA	Solid	9012B	
480-77902-3	CHF-3	Total/NA	Solid	9012B	
480-77902-3 DU	CHF-3	Total/NA	Solid	9012B	
480-77902-4	CHF-4	Total/NA	Solid	9012B	
480-77902-5	CHF-5	Total/NA	Solid	9012B	
480-77902-16	CRS-1	Total/NA	Solid	9012B	
LCS 480-235507/2-A ^5	Lab Control Sample	Total/NA	Solid	9012B	
MB 480-235507/1-A	Method Blank	Total/NA	Solid	9012B	

TestAmerica Buffalo

## QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-77902-1

### General Chemistry (Continued)

#### Analysis Batch: 235618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-77902-2	CHF-2	Total/NA	Solid	9012B	235507
480-77902-3	CHF-3	Total/NA	Solid	9012B	235507
480-77902-3 DU	CHF-3	Total/NA	Solid	9012B	235507
480-77902-4	CHF-4	Total/NA	Solid	9012B	235507
480-77902-5	CHF-5	Total/NA	Solid	9012B	235507
480-77902-16	CRS-1	Total/NA	Solid	9012B	235507
LCS 480-235507/2-A ^5	Lab Control Sample	Total/NA	Solid	9012B	235507
MB 480-235507/1-A	Method Blank	Total/NA	Solid	9012B	235507

#### Prep Batch: 236126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-77902-1	CHF-1	Total/NA	Solid	9012B	
LCS 480-236126/2-A ^5	Lab Control Sample	Total/NA	Solid	9012B	
MB 480-236126/1-A	Method Blank	Total/NA	Solid	9012B	

#### Analysis Batch: 236347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-77902-1	CHF-1	Total/NA	Solid	9012B	236126
LCS 480-236126/2-A ^5	Lab Control Sample	Total/NA	Solid	9012B	236126
MB 480-236126/1-A	Method Blank	Total/NA	Solid	9012B	236126

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-77902-1

**Client Sample ID: CHF-1**

**Date Collected: 04/07/15 00:00**

**Date Received: 04/07/15 15:40**

**Lab Sample ID: 480-77902-1**

**Matrix: Solid**

**Percent Solids: 91.6**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			86757	04/13/15 08:37	NJS	TAL BUR
Total/NA	Analysis	8270D		1	86803	04/14/15 10:14	DJB	TAL BUR
Total/NA	Prep	3550C			235202	04/09/15 16:11	CPH	TAL BUF
Total/NA	Analysis	8081B		1	235402	04/10/15 14:50	MAN	TAL BUF
Total/NA	Prep	3550C			235225	04/09/15 17:30	CPH	TAL BUF
Total/NA	Analysis	8082A		1	235425	04/10/15 14:45	KS	TAL BUF
Total/NA	Prep	8151A			234732	04/08/15 11:35	MRB	TAL BUF
Total/NA	Analysis	8151A		1	236680	04/17/15 05:22	JRL	TAL BUF
Total/NA	Prep	3050B			235162	04/09/15 15:30	TAS	TAL BUF
Total/NA	Analysis	6010C		1	235726	04/11/15 18:06	SLB	TAL BUF
Total/NA	Prep	3050B			235162	04/09/15 15:30	TAS	TAL BUF
Total/NA	Analysis	6010C		1	235545	04/10/15 21:24	TRB	TAL BUF
Total/NA	Prep	7471B			236601	04/16/15 14:35	LRK	TAL BUF
Total/NA	Analysis	7471B		1	236693	04/16/15 15:44	LRK	TAL BUF
Total/NA	Prep	9012B			236126	04/14/15 15:30	EKB	TAL BUF
Total/NA	Analysis	9012B		1	236347	04/15/15 13:16	KC	TAL BUF
Total/NA	Analysis	Moisture		1	234763	04/08/15 08:12	CSW	TAL BUF

**Client Sample ID: CHF-2**

**Date Collected: 04/07/15 00:00**

**Date Received: 04/07/15 15:40**

**Lab Sample ID: 480-77902-2**

**Matrix: Solid**

**Percent Solids: 92.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			86757	04/13/15 08:37	NJS	TAL BUR
Total/NA	Analysis	8270D		1	86803	04/14/15 12:19	DJB	TAL BUR
Total/NA	Prep	3550C			235202	04/09/15 16:11	CPH	TAL BUF
Total/NA	Analysis	8081B		1	235402	04/10/15 15:07	MAN	TAL BUF
Total/NA	Prep	3550C			235225	04/09/15 17:30	CPH	TAL BUF
Total/NA	Analysis	8082A		1	235425	04/10/15 15:17	KS	TAL BUF
Total/NA	Prep	8151A			234732	04/08/15 11:35	MRB	TAL BUF
Total/NA	Analysis	8151A		1	236680	04/17/15 05:51	JRL	TAL BUF
Total/NA	Prep	3050B			235162	04/09/15 15:30	TAS	TAL BUF
Total/NA	Analysis	6010C		1	235726	04/11/15 18:20	SLB	TAL BUF
Total/NA	Prep	3050B			235162	04/09/15 15:30	TAS	TAL BUF
Total/NA	Analysis	6010C		1	235545	04/10/15 21:38	TRB	TAL BUF
Total/NA	Prep	7471B			236601	04/16/15 14:35	LRK	TAL BUF
Total/NA	Analysis	7471B		1	236693	04/16/15 15:51	LRK	TAL BUF
Total/NA	Prep	9012B			235507	04/10/15 15:51	EKB	TAL BUF
Total/NA	Analysis	9012B		1	235618	04/11/15 11:02	KC	TAL BUF
Total/NA	Analysis	Moisture		1	234763	04/08/15 08:12	CSW	TAL BUF

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-77902-1

**Client Sample ID: CHF-3**

**Lab Sample ID: 480-77902-3**

**Date Collected: 04/07/15 00:00**

**Matrix: Solid**

**Date Received: 04/07/15 15:40**

**Percent Solids: 93.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			86757	04/13/15 08:37	NJS	TAL BUR
Total/NA	Analysis	8270D		1	86803	04/14/15 13:01	DJB	TAL BUR
Total/NA	Prep	3550C			235202	04/09/15 16:11	CPH	TAL BUF
Total/NA	Analysis	8081B		1	235402	04/10/15 15:25	MAN	TAL BUF
Total/NA	Prep	3550C			235225	04/09/15 17:30	CPH	TAL BUF
Total/NA	Analysis	8082A		1	235425	04/10/15 15:33	KS	TAL BUF
Total/NA	Prep	8151A			234732	04/08/15 11:35	MRB	TAL BUF
Total/NA	Analysis	8151A		1	236680	04/17/15 06:21	JRL	TAL BUF
Total/NA	Prep	3050B			235162	04/09/15 15:30	TAS	TAL BUF
Total/NA	Analysis	6010C		1	235726	04/11/15 18:23	SLB	TAL BUF
Total/NA	Prep	3050B			235162	04/09/15 15:30	TAS	TAL BUF
Total/NA	Analysis	6010C		1	235545	04/10/15 21:41	TRB	TAL BUF
Total/NA	Prep	7471B			236601	04/16/15 14:35	LRK	TAL BUF
Total/NA	Analysis	7471B		1	236693	04/16/15 15:53	LRK	TAL BUF
Total/NA	Prep	9012B			235507	04/10/15 15:51	EKB	TAL BUF
Total/NA	Analysis	9012B		1	235618	04/11/15 11:03	KC	TAL BUF
Total/NA	Analysis	Moisture		1	234763	04/08/15 08:12	CSW	TAL BUF

**Client Sample ID: CHF-4**

**Lab Sample ID: 480-77902-4**

**Date Collected: 04/07/15 00:00**

**Matrix: Solid**

**Date Received: 04/07/15 15:40**

**Percent Solids: 90.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			86757	04/13/15 08:37	NJS	TAL BUR
Total/NA	Analysis	8270D		1	86803	04/14/15 13:42	DJB	TAL BUR
Total/NA	Prep	3550C			235202	04/09/15 16:11	CPH	TAL BUF
Total/NA	Analysis	8081B		1	235402	04/10/15 15:43	MAN	TAL BUF
Total/NA	Prep	3550C			235225	04/09/15 17:30	CPH	TAL BUF
Total/NA	Analysis	8082A		1	235425	04/10/15 15:49	KS	TAL BUF
Total/NA	Prep	8151A			234732	04/08/15 11:35	MRB	TAL BUF
Total/NA	Analysis	8151A		1	236680	04/17/15 06:50	JRL	TAL BUF
Total/NA	Prep	3050B			235162	04/09/15 15:30	TAS	TAL BUF
Total/NA	Analysis	6010C		1	235726	04/11/15 18:34	SLB	TAL BUF
Total/NA	Prep	3050B			235162	04/09/15 15:30	TAS	TAL BUF
Total/NA	Analysis	6010C		1	235545	04/10/15 21:52	TRB	TAL BUF
Total/NA	Prep	7471B			236601	04/16/15 14:35	LRK	TAL BUF
Total/NA	Analysis	7471B		1	236693	04/16/15 15:55	LRK	TAL BUF
Total/NA	Prep	9012B			235507	04/10/15 15:51	EKB	TAL BUF
Total/NA	Analysis	9012B		1	235618	04/11/15 11:06	KC	TAL BUF
Total/NA	Analysis	Moisture		1	234763	04/08/15 08:12	CSW	TAL BUF

TestAmerica Buffalo



# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-77902-1

## Client Sample ID: CHF-5

Date Collected: 04/07/15 00:00

Date Received: 04/07/15 15:40

## Lab Sample ID: 480-77902-5

Matrix: Solid

Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			86757	04/13/15 08:37	NJS	TAL BUF
Total/NA	Analysis	8270D		1	86803	04/14/15 14:24	DJB	TAL BUF
Total/NA	Prep	3550C			235202	04/09/15 16:11	CPH	TAL BUF
Total/NA	Analysis	8081B		1	235402	04/10/15 16:01	MAN	TAL BUF
Total/NA	Prep	3550C			235225	04/09/15 17:30	CPH	TAL BUF
Total/NA	Analysis	8082A		1	235425	04/10/15 16:04	KS	TAL BUF
Total/NA	Prep	8151A			234732	04/08/15 11:35	MRB	TAL BUF
Total/NA	Analysis	8151A		1	236680	04/17/15 07:20	JRL	TAL BUF
Total/NA	Prep	3050B			235162	04/09/15 15:30	TAS	TAL BUF
Total/NA	Analysis	6010C		1	235726	04/11/15 18:37	SLB	TAL BUF
Total/NA	Prep	3050B			235162	04/09/15 15:30	TAS	TAL BUF
Total/NA	Analysis	6010C		1	235545	04/10/15 21:54	TRB	TAL BUF
Total/NA	Prep	7471B			236601	04/16/15 14:35	LRK	TAL BUF
Total/NA	Analysis	7471B		1	236693	04/16/15 15:56	LRK	TAL BUF
Total/NA	Prep	9012B			235507	04/10/15 15:51	EKB	TAL BUF
Total/NA	Analysis	9012B		1	235618	04/11/15 11:08	KC	TAL BUF
Total/NA	Analysis	Moisture		1	234763	04/08/15 08:12	CSW	TAL BUF

## Client Sample ID: CHF-1A

Date Collected: 04/07/15 00:00

Date Received: 04/07/15 15:40

## Lab Sample ID: 480-77902-6

Matrix: Solid

Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			234791	04/08/15 11:20	RAS	TAL BUF
Total/NA	Analysis	8260C		1	234784	04/08/15 18:07	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	234883	04/08/15 14:40	RAS	TAL BUF

## Client Sample ID: CHF-1B

Date Collected: 04/07/15 00:00

Date Received: 04/07/15 15:40

## Lab Sample ID: 480-77902-7

Matrix: Solid

Percent Solids: 93.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			234791	04/08/15 11:20	RAS	TAL BUF
Total/NA	Analysis	8260C		1	234784	04/08/15 18:33	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	234883	04/08/15 14:40	RAS	TAL BUF

## Client Sample ID: CHF-2A

Date Collected: 04/07/15 00:00

Date Received: 04/07/15 15:40

## Lab Sample ID: 480-77902-8

Matrix: Solid

Percent Solids: 93.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			234791	04/08/15 11:20	RAS	TAL BUF
Total/NA	Analysis	8260C		1	234784	04/08/15 18:59	CDC	TAL BUF

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingsen

TestAmerica Job ID: 480-77902-1

## Client Sample ID: CHF-2A

Date Collected: 04/07/15 00:00

Date Received: 04/07/15 15:40

## Lab Sample ID: 480-77902-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	234883	04/08/15 14:40	RAS	TAL BUF

## Client Sample ID: CHF-2B

Date Collected: 04/07/15 00:00

Date Received: 04/07/15 15:40

## Lab Sample ID: 480-77902-9

Matrix: Solid

Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			234791	04/08/15 11:20	RAS	TAL BUF
Total/NA	Analysis	8260C		1	234784	04/08/15 19:25	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	234883	04/08/15 14:40	RAS	TAL BUF

## Client Sample ID: CHF-3A

Date Collected: 04/07/15 00:00

Date Received: 04/07/15 15:40

## Lab Sample ID: 480-77902-10

Matrix: Solid

Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			234791	04/08/15 11:20	RAS	TAL BUF
Total/NA	Analysis	8260C		1	234784	04/08/15 19:51	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	234883	04/08/15 14:40	RAS	TAL BUF

## Client Sample ID: CHF-3B

Date Collected: 04/07/15 00:00

Date Received: 04/07/15 15:40

## Lab Sample ID: 480-77902-11

Matrix: Solid

Percent Solids: 92.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			234791	04/08/15 11:20	RAS	TAL BUF
Total/NA	Analysis	8260C		1	234974	04/09/15 01:21	RAS	TAL BUF
Total/NA	Analysis	Moisture		1	234883	04/08/15 14:40	RAS	TAL BUF

## Client Sample ID: CHF-4A

Date Collected: 04/07/15 00:00

Date Received: 04/07/15 15:40

## Lab Sample ID: 480-77902-12

Matrix: Solid

Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			234791	04/08/15 11:20	RAS	TAL BUF
Total/NA	Analysis	8260C		1	234974	04/09/15 01:47	RAS	TAL BUF
Total/NA	Analysis	Moisture		1	234883	04/08/15 14:40	RAS	TAL BUF

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-77902-1

## Client Sample ID: CHF-4B

Lab Sample ID: 480-77902-13

Date Collected: 04/07/15 00:00

Matrix: Solid

Date Received: 04/07/15 15:40

Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			234791	04/08/15 11:20	RAS	TAL BUF
Total/NA	Analysis	8260C		1	234974	04/09/15 02:13	RAS	TAL BUF
Total/NA	Analysis	Moisture		1	234883	04/08/15 14:40	RAS	TAL BUF

## Client Sample ID: CHF-5A

Lab Sample ID: 480-77902-14

Date Collected: 04/07/15 00:00

Matrix: Solid

Date Received: 04/07/15 15:40

Percent Solids: 91.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			234791	04/08/15 11:20	RAS	TAL BUF
Total/NA	Analysis	8260C		1	234974	04/09/15 02:39	RAS	TAL BUF
Total/NA	Analysis	Moisture		1	234883	04/08/15 14:40	RAS	TAL BUF

## Client Sample ID: CHF-5B

Lab Sample ID: 480-77902-15

Date Collected: 04/07/15 00:00

Matrix: Solid

Date Received: 04/07/15 15:40

Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			234987	04/08/15 23:10	CDC	TAL BUF
Total/NA	Analysis	8260C		1	234974	04/09/15 03:05	RAS	TAL BUF
Total/NA	Analysis	Moisture		1	234883	04/08/15 14:40	RAS	TAL BUF

## Client Sample ID: CRS-1

Lab Sample ID: 480-77902-16

Date Collected: 04/07/15 00:00

Matrix: Solid

Date Received: 04/07/15 15:40

Percent Solids: 98.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			234987	04/08/15 23:10	CDC	TAL BUF
Total/NA	Analysis	8260C		1	234974	04/09/15 03:30	RAS	TAL BUF
Total/NA	Prep	3550C			86757	04/13/15 08:37	NJS	TAL BUR
Total/NA	Analysis	8270D		1	86803	04/14/15 15:06	DJB	TAL BUR
Total/NA	Prep	3550C			235202	04/09/15 16:11	CPH	TAL BUF
Total/NA	Analysis	8081B		1	235402	04/10/15 16:19	MAN	TAL BUF
Total/NA	Prep	3550C			235225	04/09/15 17:30	CPH	TAL BUF
Total/NA	Analysis	8082A		1	235425	04/10/15 16:52	KS	TAL BUF
Total/NA	Prep	8151A			234732	04/08/15 11:38	MRB	TAL BUF
Total/NA	Analysis	8151A		1	236680	04/17/15 07:49	JRL	TAL BUF
Total/NA	Prep	3050B			235162	04/09/15 15:30	TAS	TAL BUF
Total/NA	Analysis	6010C		1	235726	04/11/15 18:39	SLB	TAL BUF
Total/NA	Prep	3050B			235162	04/09/15 15:30	TAS	TAL BUF
Total/NA	Analysis	6010C		5	235835	04/13/15 11:34	LMH	TAL BUF
Total/NA	Prep	3050B			235162	04/09/15 15:30	TAS	TAL BUF
Total/NA	Analysis	6010C		1	235545	04/10/15 21:57	TRB	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-77902-1

Client Sample ID: CRS-1  
Date Collected: 04/07/15 00:00  
Date Received: 04/07/15 15:40

Lab Sample ID: 480-77902-16  
Matrix: Solid  
Percent Solids: 98.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			236601	04/16/15 14:35	LRK	TAL BUF
Total/NA	Analysis	7471B		1	236693	04/16/15 16:02	LRK	TAL BUF
Total/NA	Prep	9012B			235507	04/10/15 15:51	EKB	TAL BUF
Total/NA	Analysis	9012B		1	235618	04/11/15 11:09	KC	TAL BUF
Total/NA	Analysis	Moisture		1	234763	04/08/15 08:12	CSW	TAL BUF

Laboratory References:

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

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

# Certification Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-77902-1

## 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	03-31-16
The following analytes are included in this report, but certification is not offered by the governing authority:				
Analysis Method	Prep Method	Matrix	Analyte	
Moisture		Solid	Percent Moisture	
Moisture		Solid	Percent Solids	

## Laboratory: TestAmerica Burlington

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-0751	09-30-15
DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	NA	02-13-16
Florida	NELAP	4	E87467	06-30-15
L-A-B	DoD ELAP		L2336	02-26-17
Maine	State Program	1	VT00008	04-17-17
Minnesota	NELAP	5	050-999-436	12-31-15
New Hampshire	NELAP	1	2006	12-18-15
New Jersey	NELAP	2	VT972	06-30-15
New York	NELAP	2	10391	03-31-16
Pennsylvania	NELAP	3	68-00489	04-30-15 *
Rhode Island	State Program	1	LAO00298	12-30-15
US Fish & Wildlife	Federal		LE-058448-0	02-28-16
USDA	Federal		P330-11-00093	10-28-16
Vermont	State Program	1	VT-4000	12-31-15
Virginia	NELAP	3	460209	12-14-15

\* Certification renewal pending - certification considered valid.

## Method Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dingens

TestAmerica Job ID: 480-77902-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUR
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
9012B	Cyanide, Total and/or 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 BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

## Sample Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-77902-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-77902-1	CHF-1	Solid	04/07/15 00:00	04/07/15 15:40
480-77902-2	CHF-2	Solid	04/07/15 00:00	04/07/15 15:40
480-77902-3	CHF-3	Solid	04/07/15 00:00	04/07/15 15:40
480-77902-4	CHF-4	Solid	04/07/15 00:00	04/07/15 15:40
480-77902-5	CHF-5	Solid	04/07/15 00:00	04/07/15 15:40
480-77902-6	CHF-1A	Solid	04/07/15 00:00	04/07/15 15:40
480-77902-7	CHF-1B	Solid	04/07/15 00:00	04/07/15 15:40
480-77902-8	CHF-2A	Solid	04/07/15 00:00	04/07/15 15:40
480-77902-9	CHF-2B	Solid	04/07/15 00:00	04/07/15 15:40
480-77902-10	CHF-3A	Solid	04/07/15 00:00	04/07/15 15:40
480-77902-11	CHF-3B	Solid	04/07/15 00:00	04/07/15 15:40
480-77902-12	CHF-4A	Solid	04/07/15 00:00	04/07/15 15:40
480-77902-13	CHF-4B	Solid	04/07/15 00:00	04/07/15 15:40
480-77902-14	CHF-5A	Solid	04/07/15 00:00	04/07/15 15:40
480-77902-15	CHF-5B	Solid	04/07/15 00:00	04/07/15 15:40
480-77902-16	CRS-1	Solid	04/07/15 00:00	04/07/15 15:40

## Detection Limit Exceptions Summary

Client: Iyer Environmental Group, LLC  
Project/Site: 132 Dings

TestAmerica Job ID: 480-77902-1

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Matrix	Analyte	Units	Client RL	Lab PQL
6010C	Solid	Silver	mg/Kg	0.50	0.6



# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt \_\_\_\_\_

Drinking Water? Yes ☐ No ☒

## Chain of Custody Record


TAL-4124 (1007)

Client <b>Iyer Environmental Group</b>		Project Manager <b>Dharma Iyer</b>		Date <b>Apr 7, 2015</b>		Chain of Custody Number <b>264466</b>	
Address <b>44 Rolling Hills Dr</b>		Telephone Number (Area Code)/Fax Number <b>(716) 662-4157 / (716) 662-2118</b>		Lab Number <b>Page 1 of 2</b>			
City <b>Orchard Park</b>		State <b>NY</b>		Zip Code <b>14127</b>			
Project Name and Location (State) <b>132 Dingenot St, Buffalo, NY</b>		Site Contact <b>R. Allen</b>		Lab Contact <b>M. Deyo</b>			
Contract/Purchase Order/Quote No.		Carrier/Waybill Number					

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives					Analysis (Attach list if more space is needed)		Special Instructions/ Qualifications of Receipt				
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	TCL VOCs		TCL SVOCs	pests/PCBs/HCB	TAL MTHs / Mer	Cyanide
CHF-1	4/7/15					✓		3						✓	✓	✓	✓	
CHF-2	4/7/15					✓		3						✓	✓	✓	✓	
CHF-3	4/7/15					✓		3						✓	✓	✓	✓	
CHF-4								2						✓	✓	✓	✓	
CHF-5								2						✓	✓	✓	✓	
CHF-1A								2						✓				
CHF-1B								2						✓				
CHF-2A								2						✓				
CHF-2B								2						✓				
CHF-3A								2						✓				
CHF-3B								2						✓				



480-77902 Chain of Custody

Possible Hazard Identification		Sample Disposal		QC Requirements (Specify)	
<input checked="" type="checkbox"/> Non-Hazard	<input type="checkbox"/> Flammable	<input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Poison B	<input type="checkbox"/> Unknown	
Turn Around Time Required		Return To Client		Archive For	
<input type="checkbox"/> 24 Hours	<input type="checkbox"/> 48 Hours	<input checked="" type="checkbox"/> 7 Days	<input checked="" type="checkbox"/> 14 Days	<input type="checkbox"/> 21 Days	<input type="checkbox"/> Other

1. Relinquished By		2. Relinquished By		3. Relinquished By	
Date	Time	Date	Time	Date	Time
<b>4/7/15</b>	<b>1540</b>				
<b>Richard C Allen Jr</b> 1. Received By 2. Received By 3. Received By		<b>TA BUFF</b> 1. Received By 2. Received By 3. Received By		<b>4/7/15 1540</b> 1. Received By 2. Received By 3. Received By	

Comments

**Temp 19.6 NO ICE #1**

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

## Chain of Custody Record

Temperature on Receipt \_\_\_\_\_

Drinking Water? Yes ☐ No ☒

TAL-4124 (1007)

Client <b>Iyer Environmental Group</b>		Project Manager <b>Dharma Iyer</b>		Date <b>4/7/15</b>		Chain of Custody Number <b>264432</b>	
Address <b>44 Rolling Hills Dr</b>		Telephone Number (Area Code)/Fax Number <b>(916) 662-4157 / (916) 662-2118</b>		Lab Number		Page <b>2</b> of <b>2</b>	
City <b>Orchard Park</b>		State <b>NY</b>		Zip Code <b>14127</b>			
Project Name and Location (State) <b>132 Dugans St (NY)</b>		Site Contact <b>R. Allen</b>		Lab Contact <b>M. Deyo</b>			
Contract/Purchase Order/Quote No.		Carrier/Waybill Number		Analysis (Attach list if more space is needed)		Special Instructions/ Conditions of Receipt <b>DER-10 per parameters</b>	

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Matrix				Containers & Preservatives						Analysis (Attach list if more space is needed)			
		Air	Soil	Sed	Unknown	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc	NaOH	TEL VOCs	TEL SVOCs	TEL/MS/Heb
CHF-4A	4/7/15		✓			2							✓		TEL/MS/Heb
CHF-4B	↓		✓			2							✓		TEL/MS/Heb
CHF-5A	↓		✓			2							✓		TEL/MS/Heb
CHF-5B			✓			2							✓		TEL/MS/Heb
CRS-1	4/7/15					1							✓	✓	✓

Possible Hazard Identification		Sample Disposal		Disposal By Lab		Archive For		(A fee may be assessed if samples are retained longer than 1 month)	
<input checked="" type="checkbox"/> Non-Hazard	<input type="checkbox"/> Flammable	<input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Poison B	<input type="checkbox"/> Unknown	<input checked="" type="checkbox"/> Return To Client	<input type="checkbox"/> Months	<input type="checkbox"/> Years	<input type="checkbox"/> Months	<input type="checkbox"/> Years
Turn Around Time Required		QC Requirements (Specify)		1. Received By		2. Received By		3. Received By	
<input type="checkbox"/> 24 Hours	<input type="checkbox"/> 48 Hours	<input type="checkbox"/> 7 Days	<input checked="" type="checkbox"/> 14 Days	<input type="checkbox"/> 21 Days	<input type="checkbox"/> Other	Richard C Allen Jr		TA Buff	
1. Relinquished By		Date		Time		4/7/15		1540	
2. Relinquished By		Date		Time					
3. Relinquished By		Date		Time					
Comments <b>Temp 19.6 NO ICE #1</b>									

## Login Sample Receipt Checklist

Client: Iyer Environmental Group, LLC

Job Number: 480-77902-1

**Login Number: 77902**

**List Source: TestAmerica Buffalo**

**List Number: 1**

**Creator: Kolb, Chris M**

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.	False	
Cooler Temperature is acceptable.	True	Yes: Received same day of collection.
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.	False	Refer to job narrative for details
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.	False	Refer to job narrative for details
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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
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	IYER ENV.
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

## Login Sample Receipt Checklist

Client: Iyer Environmental Group, LLC

Job Number: 480-77902-1

**Login Number: 77902**

**List Source: TestAmerica Burlington**

**List Number: 2**

**List Creation: 04/10/15 01:03 PM**

**Creator: Goodrich, Kenneth L**

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	234022
Sample custody seals, if present, are 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	3.0°C
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 $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



**C&S Companies**

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October 14, 2014

Ms. Mickey Mariacher  
Project Manager – JRO Children's Hospital of Buffalo  
Kaleida Health  
Larkin Building, Suite 200  
726 Exchange Street  
Buffalo, New York 14210

*Re: Results of Initial Native Soil Sampling – Event #1*

Dear Ms. Mariacher:

C&S Engineers, Inc. ("C&S") is assisting Kaleida Health in the management of excavated soils for the construction on the John R. Oishei Children's Hospital ("JRO"). As part of that work, Kaleida Health has requested C&S to collect samples of the native soils that will be removed during the construction of JRO. Sampling is being conducted concurrent with the excavation of the fill that is present above the native soils. Sampling is being conducted in phases as the material is being exposed during construction. This letter presents the results of the first event of sampling.

*Sample Event #1 – Process and Results.*

On October 7, 2014, C&S performed the first soil sampling event related to re-use of native soils.

Soil were collected by hand 1-2 feet below the exposed native soils surface following the initial excavation in the northern end of the site. Figure 1 (dated October 10, 2014) shows the excavation area and the sample locations. Soils were collected and submitted to Alpha Analytical to be analyzed for the target compounds specified in NYSDEC DER-10, Table 5.4(e)10 and Appendix 5 (May 2010). Samples were labeled relative to their location from their nearest shoring panel number and collection depth (from grade), as follows:

Sample ID: S67-20' [indicates sample was 20 ft perpendicular from soldier pile #S67]  
12 [indicates sample was 12 ft from original grade]

Sample Results are summarized in Table 1 – Summary of Results from Event #1. The laboratory report is attachment to this letter.

The following is a summary of samples and analyses completed for the site;

Sample Event	Date	VOCs	SVOCs, Inorganics & PCBc/Pesticides
Event #1	10/07/14	10	10

Additional sampling will occur for this initial exposure (lift) of native soils. Subsequent sampling events will occur during excavation of additional lifts of native soils as shoring is added and excavation depths increase.

Please contact me if you have any further questions.

Sincerely,

C&S ENGINEERS, INC.

A handwritten signature in blue ink, reading "Mark Colmerauer".

Mark Colmerauer  
Regional Environmental Service Manager

Attached: Lab Data of 10/7/2014 sample event



**LEGEND**

- Area of Excavated Soil (10/10/2014)
- Sample Locations (10/10/2014)

**NOTES**

- 1) Boundary survey from Foit-Albert Associates Part of Lot 9, Township 11, Range 8 of Holland Land Company Survey, County of Erie, State of New York, 9-12-2011.
- 2) Excavation ares obtained from Turner Construction Company "Working Surface Plan, 4-8-2013.

C&S Engineers, Inc.  
141 ELM ST, SUITE 100  
Buffalo, New York 14203  
Phone: 716-847-1630  
Fax: 716-847-1454  
www.cscos.com

JOHN R. OISHEI  
CHILDREN HOSPITAL  
SOIL MANAGEMENT PLAN  
BUFFALO, NEW YORK

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: K11.003.001		
DATE: OCT. 14, 2014		
DRAWN BY: C. MARTIN		
DESIGNED BY: C. MARTIN		
CHECKED BY: M. COLMERAUER		

OCTOBER 10, 2014  
SAMPLE  
LOCATIONS

FIGURE 1



TABLE 1 - SUMMARY OF RESULTS FROM SAMPLING EVENT #1  
John R Oshie Childrens Hosptial Construcion - Native Soil Assessment

"U" = Not Detected Above Detection Limit, "J" = Estimated Value

LOCATION			S67-20'		S62-20'		S62-50'		S54-20'		S49-20'		S45-20'		S41-10'		S38-25'		S34-20'		S31-20'	
SAMPLING DATE			10/7/2014		10/7/2014		10/7/2014		10/7/2014		10/7/2014		10/7/2014		10/7/2014		10/7/2014		10/7/2014		10/7/2014	
LAB SAMPLE ID			L1423690-01		L1423690-02		L1423690-03		L1423690-04		L1423690-05		L1423690-06		L1423690-07		L1423690-08		L1423690-09		L1423690-10	
SAMPLE TYPE			SO		SO		SO		SO		SO		SO		SO		SO		SO		SO	
SAMPLE DEPTH (ft.)			12		12		12		12		12		9		11		11		20		20	
				Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual
Chlorinated Herbicides by GC - Westborough Lab																						
2,4,5-TP (Silvex)			3.8 mg/kg		0.204	U	0.201	U	0.197	U	0.206	U	0.209	U	0.201	U	0.181	U	0.18	U	0.175	U
General Chemistry - Westborough Lab																						
Cyanide, Total			27 mg/kg		0.51	J	1.1	U	1.2	U	1.2	U	0.68	J	1.2	U	1.1	U	1.1	U	0.99	U
Chromium, Hexavalent			1 mg/kg		0.99	U	0.97	U	0.97	U	0.99	U	1	U	0.98	U	0.89	U	0.89	U	0.84	U
Organochlorine Pesticides by GC - Westborough Lab																						
Delta-BHC			0.04 mg/kg		0.0019	U	0.00191	U	0.00194	U	0.00194	U	0.00203	U	0.00195	U	0.00177	U	0.00167	U	0.00166	U
Lindane			6 mg/kg		0.000792	U	0.000796	U	0.000808	U	0.000807	U	0.000846	U	0.000814	U	0.000739	U	0.000698	U	0.000692	U
Alpha-BHC			0.04 mg/kg		0.000792	U	0.000796	U	0.000808	U	0.000807	U	0.000846	U	0.000814	U	0.000739	U	0.000698	U	0.000692	U
Beta-BHC			0.6 mg/kg		0.0019	U	0.00191	U	0.00194	U	0.00194	U	0.00203	U	0.00195	U	0.00177	U	0.00167	U	0.00166	U
Heptachlor			0.14 mg/kg		0.000951	U	0.000955	U	0.00097	U	0.000969	U	0.00101	U	0.000977	U	0.000886	U	0.000837	U	0.000831	U
Aldrin			0.14 mg/kg		0.0019	U	0.00191	U	0.00194	U	0.00194	U	0.00203	U	0.00195	U	0.00177	U	0.00167	U	0.00166	U
Heptachlor epoxide			mg/kg		0.00357	U	0.00358	U	0.00364	U	0.00363	U	0.0038	U	0.00366	U	0.00332	U	0.00314	U	0.00312	U
Endrin			0.014 mg/kg		0.000792	U	0.000796	U	0.000808	U	0.000807	U	0.000846	U	0.000814	U	0.000739	U	0.000698	U	0.000692	U
Endrin ketone			mg/kg		0.0019	U	0.00191	U	0.00194	U	0.00194	U	0.00203	U	0.00195	U	0.00177	U	0.00167	U	0.00166	U
Dieldrin			0.006 mg/kg		0.00119	U	0.00119	U	0.00121	U	0.00121	U	0.00127	U	0.00122	U	0.00111	U	0.00105	U	0.00104	U
4,4'-DDE			0.0033 mg/kg		0.0019	U	0.00191	U	0.00194	U	0.00194	U	0.00203	U	0.00195	U	0.00177	U	0.00167	U	0.00166	U
4,4'-DDD			0.0033 mg/kg		0.0019	U	0.00191	U	0.00194	U	0.00194	U	0.00203	U	0.00195	U	0.00177	U	0.00167	U	0.00166	U
4,4'-DDT			0.0033 mg/kg		0.00357	U	0.00358	U	0.00364	U	0.00363	U	0.0038	U	0.00366	U	0.00332	U	0.00314	U	0.00312	U
Endosulfan I			2.4 mg/kg		0.0019	U	0.00191	U	0.00194	U	0.00194	U	0.00203	U	0.00195	U	0.00177	U	0.00167	U	0.00166	U
Endosulfan II			2.4 mg/kg		0.0019	U	0.00191	U	0.00194	U	0.00194	U	0.00203	U	0.00195	U	0.00177	U	0.00167	U	0.00166	U
Endosulfan sulfate			2.4 mg/kg		0.000792	U	0.000796	U	0.000808	U	0.000807	U	0.000846	U	0.000814	U	0.000739	U	0.000698	U	0.000692	U
Methoxychlor			1.2 mg/kg		0.00357	U	0.00358	U	0.00364	U	0.00363	U	0.0038	U	0.00366	U	0.00332	U	0.00314	U	0.00312	U
Toxaphene			mg/kg		0.0357	U	0.0358	U	0.0364	U	0.0363	U	0.038	U	0.0366	U	0.0332	U	0.0314	U	0.0312	U
cis-Chlordane			1.3 mg/kg		0.00238	U	0.00239	U	0.00242	U	0.00242	U	0.00254	U	0.00244	U	0.00222	U	0.00209	U	0.00208	U
trans-Chlordane			mg/kg		0.00238	U	0.00239	U	0.00242	U	0.00242	U	0.00254	U	0.00244	U	0.00222	U	0.00209	U	0.00208	U
Chlordane			mg/kg		0.0154	U	0.0155	U	0.0158	U	0.0157	U	0.0165	U	0.0159	U	0.0144	U	0.0136	U	0.0135	U
Polychlorinated Biphenyls by GC - Westborough Lab																						
Aroclor 1016			1 mg/kg		0.0396	U	0.0401	U	0.0386	U	0.0398	U	0.0424	U	0.0388	U	0.0363	U	0.0368	U	0.0339	U
Aroclor 1221			1 mg/kg		0.0396	U	0.0401	U	0.0386	U	0.0398	U	0.0424	U	0.0388	U	0.0363	U	0.0368	U	0.0339	U
Aroclor 1232			1 mg/kg		0.0396	U	0.0401	U	0.0386	U	0.0398	U	0.0424	U	0.0388	U	0.0363	U	0.0368	U	0.0339	U
Aroclor 1242			1 mg/kg		0.0396	U	0.0401	U	0.0386	U	0.0398	U	0.0424	U	0.0388	U	0.0363	U	0.0368	U	0.0339	U
Aroclor 1248			1 mg/kg		0.0396	U	0.0401	U	0.0386	U	0.0398	U	0.0424	U	0.0388	U	0.0363	U	0.0368	U	0.0339	U
Aroclor 1254			1 mg/kg		0.0396	U	0.0401	U	0.0386	U	0.0398	U	0.0933	U	0.0388	U	0.0363	U	0.0368	U	0.0339	U
Aroclor 1260			1 mg/kg		0.0396	U	0.0401	U	0.0386	U	0.0398	U	0.0424	U	0.0388	U	0.0363	U	0.0368	U	0.0339	U
Aroclor 1262			1 mg/kg		0.0396	U	0.0401	U	0.0386	U	0.0398	U	0.0424	U	0.0388	U	0.0363	U	0.0368	U	0.0339	U
Aroclor 1268			1 mg/kg		0.0396	U	0.0401	U	0.0386	U	0.0398	U	0.0424	U	0.0388	U	0.0363	U	0.0368	U	0.0339	U
PCBs, Total			mg/kg		0.0396	U	0.0401	U	0.0386	U	0.0398	U	0.0933	U	0.0388	U	0.0363	U	0.0368	U	0.0339	U
Semivolatile Organics by GC/MS - Westborough Lab																						
Acenaphthene			20 mg/kg		0.16	U	0.16	U	0.16	U	0.17	U	0.16	U	0.15	U	0.15	U	0.14	U	0.14	U
Hexachlorobenzene			0.33 mg/kg		0.12	U	0.12	U	0.12	U	0.13	U	0.12	U	0.11	U	0.11	U	0.1	U	0.1	U
Bis(2-chloroethyl)ether			mg/kg		0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.16	U	0.16	U	0.16	U	0.16	U
2-Chloronaphthalene			mg/kg		0.2	U	0.2	U	0.2	U	0.21	U	0.2	U	0.18	U	0.18	U	0.17	U	0.17	U
3,3'-Dichlorobenzidine			mg/kg		0.2	U	0.2	U	0.2	U	0.21	U	0.2	U	0.18	U	0.18	U	0.17	U	0.17	U
2,4-Dinitrotoluene			mg/kg		0.2	U	0.2	U	0.2	U	0.21	U	0.2	U	0.18	U	0.18	U	0.17	U	0.17	U
2,6-Dinitrotoluene			mg/kg		0.2	U	0.2	U	0.2	U	0.21	U	0.2	U	0.18	U	0.18	U	0.17	U	0.17	U



"U" = Not Detected Above Detection Limit, "J" = Estimated Value

Page 2 of 4

TABLE 1 - SUMMARY OF RESULTS FROM SAMPLING EVENT #1  
John R Oshie Childrens Hosptial Construcion - Native Soil Assessment

"U" = Not Detected Above Detection Limit, "J" = Estimated Value

LOCATION				S67-20'		S62-20'		S62-50'		S54-20'		S49-20'		S45-20'		S41-10'		S38-25'		S34-20'		S31-20'		
SAMPLING DATE				10/7/2014		10/7/2014		10/7/2014		10/7/2014		10/7/2014		10/7/2014		10/7/2014		10/7/2014		10/7/2014		10/7/2014		
LAB SAMPLE ID				L1423690-01		L1423690-02		L1423690-03		L1423690-04		L1423690-05		L1423690-06		L1423690-07		L1423690-08		L1423690-09		L1423690-10		
SAMPLE TYPE				SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		
SAMPLE DEPTH (ft.)				12		12		12		12		12		9		11		11		20		20		
				NYSDEC	NYSDEC																			
				Protect.	SCO	Units	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual		
				Ecology	UNRES. Use																			
2-Nitrophenol				7		mg/kg	0.43	U	0.43	U	0.43	U	0.44	U	0.46	U	0.44	U	0.39	U	0.4	U	0.37	U
4-Nitrophenol				7		mg/kg	0.28	U	0.28	U	0.28	U	0.29	U	0.3	U	0.28	U	0.26	U	0.26	U	0.24	U
2,4-Dinitrophenol				20		mg/kg	0.96	U	0.96	U	0.96	U	0.98	U	1	U	0.97	U	0.88	U	0.88	U	0.83	U
4,6-Dinitro-o-cresol						mg/kg	0.52	U	0.52	U	0.52	U	0.53	U	0.55	U	0.53	U	0.47	U	0.48	U	0.45	U
Pentachlorophenol				0.8	0.8	mg/kg	0.16	U	0.16	U	0.16	U	0.16	U	0.17	U	0.16	U	0.15	U	0.15	U	0.14	U
Phenol				30	0.33	mg/kg	0.2	U	0.2	U	0.2	U	0.2	U	0.21	U	0.2	U	0.18	U	0.18	U	0.17	U
2-Methylphenol					0.33	mg/kg	0.2	U	0.2	U	0.2	U	0.2	U	0.21	U	0.2	U	0.18	U	0.18	U	0.17	U
3-Methylphenol/4-Methylphenol					0.33	mg/kg	0.29	U	0.29	U	0.29	U	0.3	U	0.31	U	0.29	U	0.26	U	0.26	U	0.25	U
2,4,5-Trichlorophenol				4		mg/kg	0.2	U	0.2	U	0.2	U	0.2	U	0.21	U	0.2	U	0.18	U	0.18	U	0.17	U
Carbazole						mg/kg	0.2	U	0.2	U	0.2	U	0.2	U	0.21	U	0.2	U	0.18	U	0.18	U	0.17	U
Benzaldehyde						mg/kg	0.26	U	0.26	U	0.26	U	0.27	U	0.28	U	0.27	U	0.24	U	0.24	U	0.23	U
Caprolactam						mg/kg	0.2	U	0.2	U	0.2	U	0.2	U	0.21	U	0.2	U	0.18	U	0.18	U	0.17	U
Atrazine						mg/kg	0.16	U	0.16	U	0.16	U	0.16	U	0.17	U	0.16	U	0.15	U	0.15	U	0.14	U
2,3,4,6-Tetrachlorophenol						mg/kg	0.2	U	0.2	U	0.2	U	0.2	U	0.21	U	0.2	U	0.18	U	0.18	U	0.17	U
Total Metals - Westborough Lab																								
Arsenic, Total				13	13	mg/kg	1		1.2		0.94		0.59		1.8		1.1		0.82		0.7		0.95	
Barium, Total				433	350	mg/kg	6.5		6.9		13		5.8		24		12		5.5		7.4		15	
Beryllium, Total				10	7.2	mg/kg	0.07	J	0.09	J	0.17	J	0.08	J	0.22	J	0.18	J	0.1	J	0.09	J	0.08	J
Cadmium, Total				4	2.5	mg/kg	0.16	J	0.11	J	0.14	J	0.1	J	0.11	J	0.18	J	0.14	J	0.16	J	0.16	J
Chromium, Total						mg/kg	3.2		3.7		5.8		3.1		5.1		5.1		4.1		3		3.1	
Copper, Total				50	50	mg/kg	6.4		8.2		14		6.6		9.3		12		6.5		6.2		7.3	
Lead, Total				63	63	mg/kg	6.3		7		11		6.8		29		8		7.4		6.1		6.2	
Manganese, Total				1600	1600	mg/kg	240		260		280		200		250		410		230		250		190	
Mercury, Total				0.18	0.18	mg/kg	0.08	U	0.08	U	0.02	J	0.08	U	0.07	J	0.02	J	0.02	J	0.07	U	0.07	U
Nickel, Total				30	30	mg/kg	2.9		3.4		6.8		2.8		5		5.7		3.4		2.9		3.2	
Selenium, Total				3.9	3.9	mg/kg	0.2	J	0.95	U	0.94	U	0.93	U	1	U	0.97	U	0.84	U	0.88	U	0.16	J
Silver, Total				2	2	mg/kg	0.46	U	0.48	U	0.47	U	0.46	U	0.51	U	0.49	U	0.42	U	0.44	U	0.41	U
Zinc, Total				109	109	mg/kg	59		66		130		49		66		96		57		58		51	
Volatile Organics by 8260/5035 - Westborough Lab																								
Methylene chloride				12	0.05	mg/kg	0.011	U	0.01	U	0.011	U	0.01	U	0.01	U	0.0094	U	0.0096	U	0.0092	U	0.01	U
1,1-Dichloroethane					0.27	mg/kg	0.0016	U	0.0015	U	0.0016	U	0.0016	U	0.0016	U	0.0014	U	0.0014	U	0.0014	U	0.0015	U
Chloroform				12	0.37	mg/kg	0.0016	U	0.0015	U	0.0016	U	0.0016	U	0.0016	U	0.0014	U	0.0014	U	0.0014	U	0.0015	U
Carbon tetrachloride					0.76	mg/kg	0.0011	U	0.001	U	0.0011	U	0.001	U	0.001	U	0.00094	U	0.00096	U	0.00092	U	0.001	U
1,2-Dichloropropane				700		mg/kg	0.0038	U	0.0036	U	0.0037	U	0.0037	U	0.0037	U	0.0033	U	0.0033	U	0.0032	U	0.0035	U
Dibromochloromethane				10		mg/kg	0.0011	U	0.001	U	0.0011	U	0.001	U	0.001	U	0.00094	U	0.00096	U	0.00092	U	0.001	U
1,1,2-Trichloroethane						mg/kg	0.0016	U	0.0015	U	0.0016	U	0.0016	U	0.0016	U	0.0014	U	0.0014	U	0.0014	U	0.0015	U
Tetrachloroethene				2	1.3	mg/kg	0.0011	U	0.001	U	0.0011	U	0.001	U	0.001	U	0.00094	U	0.00096	U	0.00092	U	0.001	U
Chlorobenzene				40	1.1	mg/kg	0.0011	U	0.001	U	0.0011	U	0.001	U	0.001	U	0.00094	U	0.00096	U	0.00092	U	0.001	U
Trichlorofluoromethane						mg/kg	0.0054	U	0.0051	U	0.0053	U	0.0052	U	0.0053	U	0.0047	U	0.0048	U	0.0046	U	0.0051	U
1,2-Dichloroethane				10	0.02	mg/kg	0.0011	U	0.001	U	0.0011	U	0.001	U	0.001	U	0.00094	U	0.00096	U	0.00092	U	0.001	U
1,1,1-Trichloroethane					0.68	mg/kg	0.0011	U	0.001	U	0.0011	U	0.001	U	0.001	U	0.00094	U	0.00096	U	0.00092	U	0.001	U
Bromodichloromethane						mg/kg	0.0011	U	0.001	U	0.0011	U	0.001	U	0.001	U	0.00094	U	0.00096	U	0.00092	U	0.001	U
trans-1,3-Dichloropropene						mg/kg	0.0011	U	0.001	U	0.0011	U	0.001	U	0.001	U	0.00094	U	0.00096	U	0.00092	U	0.001	U
cis-1,3-Dichloropropene						mg/kg	0.0011	U	0.001	U	0.0011	U	0.001	U	0.001	U	0.00094	U	0.00096	U	0.00092	U	0.001	U
Bromoform						mg/kg	0.0043	U	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0038	U	0.0038	U	0.0037	U	0.004	U
1,1,2,2-Tetrachloroethane				2		mg/kg	0.0011	U	0.001	U	0.0011	U	0.001	U	0.001	U	0.00094	U	0.00096	U	0.00092	U	0.001	U

TABLE 1 - SUMMARY OF RESULTS FROM SAMPLING EVENT #1  
John R Oshie Childrens Hosptial Construcion - Native Soil Assessment

"U" = Not Detected Above Detection Limit, "J" = Estimated Value

LOCATION				S67-20'		S62-20'		S62-50'		S54-20'		S49-20'		S45-20'		S41-10'		S38-25'		S34-20'		S31-20'		
SAMPLING DATE				10/7/2014		10/7/2014		10/7/2014		10/7/2014		10/7/2014		10/7/2014		10/7/2014		10/7/2014		10/7/2014		10/7/2014		
LAB SAMPLE ID				L1423690-01		L1423690-02		L1423690-03		L1423690-04		L1423690-05		L1423690-06		L1423690-07		L1423690-08		L1423690-09		L1423690-10		
SAMPLE TYPE				SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		
SAMPLE DEPTH (ft.)				12		12		12		12		12		9		11		11		20		20		
				NYSDEC		NYSDEC																		
				Protect.		SCO																		
				Ecology		UNRES.		Use		Units		Qual		Qual		Qual		Qual		Qual		Qual		
Benzene				70	0.06	mg/kg	0.0011	U	0.001	U	0.0011	U	0.001	U	0.001	U	0.00094	U	0.00096	U	0.00092	U	0.001	U
Toluene				36	0.7	mg/kg	0.00053	J	0.00045	J	0.00063	J	0.00035	J	0.00026	J	0.00024	J	0.00022	J	0.00028	J	0.0015	U
Ethylbenzene					1	mg/kg	0.0011	U	0.001	U	0.0011	U	0.001	U	0.001	U	0.00094	U	0.00096	U	0.00092	U	0.001	U
Chloromethane						mg/kg	0.0054	U	0.0051	U	0.0053	U	0.0052	U	0.0053	U	0.0047	U	0.0048	U	0.0046	U	0.0051	U
Bromomethane						mg/kg	0.0022	U	0.002	U	0.0021	U	0.0021	U	0.0021	U	0.0019	U	0.0019	U	0.0018	U	0.002	U
Vinyl chloride					0.02	mg/kg	0.0022	U	0.002	U	0.0021	U	0.0021	U	0.0021	U	0.0019	U	0.0019	U	0.0018	U	0.002	U
Chloroethane						mg/kg	0.0022	U	0.002	U	0.0021	U	0.0021	U	0.0021	U	0.0019	U	0.0019	U	0.0018	U	0.002	U
1,1-Dichloroethene					0.33	mg/kg	0.0011	U	0.001	U	0.0011	U	0.001	U	0.001	U	0.00094	U	0.00096	U	0.00092	U	0.001	U
trans-1,2-Dichloroethene					0.19	mg/kg	0.0016	U	0.0015	U	0.0016	U	0.0016	U	0.0016	U	0.0014	U	0.0014	U	0.0014	U	0.0015	U
Trichloroethene				2	0.47	mg/kg	0.0011	U	0.001	U	0.0011	U	0.001	U	0.001	U	0.00094	U	0.00096	U	0.00092	U	0.001	U
1,2-Dichlorobenzene					1.1	mg/kg	0.0054	U	0.0051	U	0.0053	U	0.0052	U	0.0053	U	0.0047	U	0.0048	U	0.0046	U	0.0051	U
1,3-Dichlorobenzene					2.4	mg/kg	0.0054	U	0.0051	U	0.0053	U	0.0052	U	0.0053	U	0.0047	U	0.0048	U	0.0046	U	0.0051	U
1,4-Dichlorobenzene				20	1.8	mg/kg	0.0054	U	0.0051	U	0.0053	U	0.0052	U	0.0053	U	0.0047	U	0.0048	U	0.0046	U	0.0051	U
Methyl tert butyl ether					0.93	mg/kg	0.0022	U	0.002	U	0.0021	U	0.0021	U	0.0021	U	0.0019	U	0.0019	U	0.0018	U	0.002	U
p/m-Xylene						mg/kg	0.0022	U	0.002	U	0.0021	U	0.0021	U	0.0021	U	0.0019	U	0.0019	U	0.0018	U	0.002	U
o-Xylene						mg/kg	0.0022	U	0.002	U	0.0021	U	0.0021	U	0.0021	U	0.0019	U	0.0019	U	0.0018	U	0.002	U
cis-1,2-Dichloroethene					0.25	mg/kg	0.0011	U	0.001	U	0.0011	U	0.001	U	0.001	U	0.00094	U	0.00096	U	0.00092	U	0.001	U
Styrene				300		mg/kg	0.0022	U	0.002	U	0.0021	U	0.0021	U	0.0021	U	0.0019	U	0.0019	U	0.0018	U	0.002	U
Dichlorodifluoromethane						mg/kg	0.011	U	0.01	U	0.011	U	0.01	U	0.01	U	0.0094	U	0.0096	U	0.0092	U	0.01	U
Acetone				2.2	0.05	mg/kg	0.0072	J	0.009	J	0.025		0.007	J	0.012		0.0061	J	0.028		0.023		0.0074	J
Carbon disulfide						mg/kg	0.011	U	0.01	U	0.011	U	0.01	U	0.01	U	0.0094	U	0.0096	U	0.0092	U	0.01	U
2-Butanone				100	0.12	mg/kg	0.011	U	0.01	U	0.00085	J	0.01	U	0.01	U	0.0094	U	0.0096	U	0.0092	U	0.01	U
4-Methyl-2-pentanone						mg/kg	0.011	U	0.01	U	0.011	U	0.01	U	0.01	U	0.0094	U	0.0096	U	0.0092	U	0.01	U
2-Hexanone						mg/kg	0.011	U	0.01	U	0.011	U	0.01	U	0.01	U	0.0094	U	0.0096	U	0.0092	U	0.01	U
Bromochloromethane						mg/kg	0.0054	U	0.0051	U	0.0053	U	0.0052	U	0.0053	U	0.0047	U	0.0048	U	0.0046	U	0.0051	U
1,2-Dibromoethane						mg/kg	0.0043	U	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0038	U	0.0038	U	0.0037	U	0.004	U
1,2-Dibromo-3-chloropropane						mg/kg	0.0054	U	0.0051	U	0.0053	U	0.0052	U	0.0053	U	0.0047	U	0.0048	U	0.0046	U	0.0051	U
Isopropylbenzene						mg/kg	0.0011	U	0.001	U	0.0011	U	0.001	U	0.001	U	0.00094	U	0.00096	U	0.00092	U	0.001	U
1,2,3-Trichlorobenzene				20		mg/kg	0.0054	U	0.0051	U	0.0053	U	0.0052	U	0.0053	U	0.0047	U	0.0048	U	0.0046	U	0.0051	U
1,2,4-Trichlorobenzene				20		mg/kg	0.0054	U	0.0051	U	0.0053	U	0.0052	U	0.0053	U	0.0047	U	0.0048	U	0.0046	U	0.0051	U
Methyl Acetate						mg/kg	0.018	J	0.013	J	0.011	J	0.0055	J	0.026		0.011	J	0.051		0.022		0.02	U
Cyclohexane						mg/kg	0.022	U	0.02	U	0.021	U	0.021	U	0.021	U	0.019	U	0.019	U	0.018	U	0.02	U
1,4-Dioxane				0.1	0.1	mg/kg	0.11	U	0.1	U	0.11	U	0.1	U	0.1	U	0.094	U	0.096	U	0.092	U	0.1	U
Freon-113						mg/kg	0.022	U	0.02	U	0.021	U	0.021	U	0.021	U	0.019	U	0.019	U	0.018	U	0.02	U
Methyl cyclohexane						mg/kg	0.0043	U	0.0041	U	0.00026	J	0.0042	U	0.0042	U	0.0038	U	0.0038	U	0.0037	U	0.004	U



**C&S Companies**

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October 31, 2014

Ms. Mickey Mariacher  
Project Manager – JRO Children's Hospital of Buffalo  
Kaleida Health  
Larkin Building, Suite 200  
726 Exchange Street  
Buffalo, New York 14210

*Re: Results of Initial Native Soil Sampling – Events #2 & #3*

Dear Ms. Mariacher:

C&S Engineers, Inc. ("C&S") is assisting Kaleida Health in the management of excavated soils for the construction on the John R. Oishei Children's Hospital ("JRO"). As part of that work, Kaleida Health has requested C&S to collect samples of the native soils that will be removed during the construction of JRO. Sampling is being conducted concurrent with the excavation of the fill that is present above the native soils. Sampling is being conducted in phases as the material is being exposed during construction. This letter presents the results of the second and third events of sampling.

*Sample Event #2 & 3 – Process and Results.*

On October 10 and 14, 2014, C&S performed the additional soil sampling event related to re-use of native soils.

Soil were collected by hand 1-2 feet below the exposed native soils surface following the additional excavation in the western end of the site. Figure 1 (dated October 14, 2014) shows the excavation area and the sample locations. Soils were collected and submitted to Alpha Analytical to be analyzed for the target compounds specified in NYSDEC DER-10, Table 5.4(e)10 and Appendix 5 (May 2010).

*Naming Convention*

Samples were labeled relative to their location from their nearest column number and collection depth (from grade), as follows:

**Sample ID:**

J4-10' [indicates sample was collected near Column J4 at 10 ft from grade]

Sample Results are summarized in Table 2 – Summary of Results from Event #2 and Table 3 – Summary of Results from Event #3. The laboratory reports are attached to this letter.

The following is a summary of samples and analyses completed for the site;

Sample Event	Date	VOCs	SVOCs, Inorganics & PCBs/Pesticides
Event #1	10/07/14	10	10
Event #2	10/10/14	--	1
Event #3	10/14/14	2	2
	<b>TOTAL</b>	<b>12</b>	<b>13</b>

Additional sampling will occur for this initial exposure (lift) of native soils. Subsequent sampling events will occur during excavation of additional lifts of native soils as shoring is added and excavation depths increase.

Please contact me if you have any further questions.

Sincerely,

C&S ENGINEERS, INC.



Mark Colmerauer  
Regional Environmental Service Manager

Attached: Lab Data of 10/10/2014 and 10/14/14 sample events



**LEGEND**

- Area of Excavated Soil (10/10/2014)
- Sample Locations (10/7/2014)
- Sample Locations (10/10/2014 through 10/14/2014)

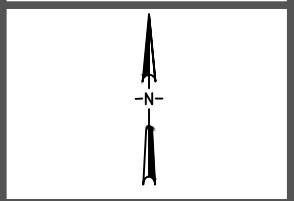
**NOTES**

1) Boundary survey from Foit-Albert Associates Part of Lot 9, Township 11, Range 8 of Holland Land Company Survey, County of Erie, State of New York, 9-12-2011.

2) Excavation areas obtained from Turner Construction Company "Working Surface Plan, 4-8-2013.

**C&S COMPANIES®**

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JOHN R. OISHEI  
CHILDREN HOSPITAL  
SOIL MANAGEMENT PLAN  
BUFFALO, NEW YORK

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: K11.003.001		
DATE: OCT. 24, 2014		
DRAWN BY: C. MARTIN		
DESIGNED BY: C. MARTIN		
CHECKED BY: M. COLMEAUER		

OCTOBER 14, 2014

SAMPLE  
LOCATIONS

FIGURE 1

## TABLE 2 - SUMMARY OF RESULTS FROM SAMPLING EVENT #2

### John R Oshie Childrens Hosptial Construcion - Native Soil Assessment

"U" = Not Detected Above Detection Limit, "J" = Estimated Value

LOCATION			S21-9'	
SAMPLING DATE			10/10/2014	
LAB SAMPLE ID			L1424182-01	
SAMPLE TYPE	NYSDEC	NYSDEC	SO	
SAMPLE DEPTH (ft.)	Protect.	SCO	9	
	Ecology	UNRES. Use	Units	Qual
Chlorinated Herbicides by GC - Westborough Lab				
2,4,5-TP (Silvex)		3.8 mg/kg	0.17	U
General Chemistry - Westborough Lab				
Solids, Total		%	95.8	
Cyanide, Total		27 mg/kg	1	U
Chromium, Hexavalent	1	1 mg/kg	0.84	U
Organochlorine Pesticides by GC - Westborough Lab				
Delta-BHC	0.04	0.04 mg/kg	0.0016	U
Lindane	6	0.1 mg/kg	0.000666	U
Alpha-BHC	0.04	0.02 mg/kg	0.000666	U
Beta-BHC	0.6	0.036 mg/kg	0.0016	U
Heptachlor	0.14	0.042 mg/kg	0.000799	U
Aldrin	0.14	0.005 mg/kg	0.0016	U
Heptachlor epoxide		mg/kg	0.003	U
Endrin	0.014	0.014 mg/kg	0.000666	U
Endrin ketone		mg/kg	0.0016	U
Dieldrin	0.006	0.005 mg/kg	0.000998	U
4,4'-DDE	0.0033	0.0033 mg/kg	0.0016	U
4,4'-DDD	0.0033	0.0033 mg/kg	0.0016	U
4,4'-DDT	0.0033	0.0033 mg/kg	0.003	U
Endosulfan I		2.4 mg/kg	0.0016	U
Endosulfan II		2.4 mg/kg	0.0016	U
Endosulfan sulfate		2.4 mg/kg	0.000666	U
Methoxychlor	1.2	mg/kg	0.003	U
Toxaphene		mg/kg	0.03	U
cis-Chlordane	1.3	0.094 mg/kg	0.002	U
trans-Chlordane		mg/kg	0.002	U
Chlordane		mg/kg	0.013	U
Polychlorinated Biphenyls by GC - Westborough Lab				
Aroclor 1016	1	0.1 mg/kg	0.0326	U
Aroclor 1221	1	0.1 mg/kg	0.0326	U
Aroclor 1232	1	0.1 mg/kg	0.0326	U
Aroclor 1242	1	0.1 mg/kg	0.0326	U
Aroclor 1248	1	0.1 mg/kg	0.0326	U
Aroclor 1254	1	0.1 mg/kg	0.0326	U
Aroclor 1260	1	0.1 mg/kg	0.0326	U
Aroclor 1262	1	0.1 mg/kg	0.0326	U
Aroclor 1268	1	0.1 mg/kg	0.0326	U
PCBs, Total		mg/kg	0.0326	U

**TABLE 2 - SUMMARY OF RESULTS FROM SAMPLING EVENT #2**  
**John R Oshie Childrens Hosptial Construcion - Native Soil Assessment**

"U" = Not Detected Above Detection Limit, "J" = Estimated Value

LOCATION			S21-9'
SAMPLING DATE			10/10/2014
LAB SAMPLE ID			L1424182-01
SAMPLE TYPE	NYSDEC	NYSDEC	SO
SAMPLE DEPTH (ft.)	Protect.	SCO	9
	Ecology	UNRES. Use	Units
			Qual
Semivolatile Organics by GC/MS - Westborough Lab			
Acenaphthene	20	20 mg/kg	0.14 U
Hexachlorobenzene		0.33 mg/kg	0.1 U
Bis(2-chloroethyl)ether		mg/kg	0.15 U
2-Chloronaphthalene		mg/kg	0.17 U
3,3'-Dichlorobenzidine		mg/kg	0.17 U
2,4-Dinitrotoluene		mg/kg	0.17 U
2,6-Dinitrotoluene		mg/kg	0.17 U
Fluoranthene		100 mg/kg	0.1 U
4-Chlorophenyl phenyl ether		mg/kg	0.17 U
4-Bromophenyl phenyl ether		mg/kg	0.17 U
Bis(2-chloroisopropyl)ether		mg/kg	0.2 U
Bis(2-chloroethoxy)methane		mg/kg	0.18 U
Hexachlorobutadiene		mg/kg	0.17 U
Hexachlorocyclopentadiene	10	mg/kg	0.49 U
Hexachloroethane		mg/kg	0.14 U
Isophorone		mg/kg	0.15 U
Naphthalene		12 mg/kg	0.17 U
Nitrobenzene	40	mg/kg	0.15 U
NDPA/DPA	20	mg/kg	0.14 U
n-Nitrosodi-n-propylamine		mg/kg	0.17 U
Bis(2-ethylhexyl)phthalate	239	mg/kg	0.17 U
Butyl benzyl phthalate		mg/kg	0.17 U
Di-n-butylphthalate	0.014	mg/kg	0.17 U
Di-n-octylphthalate		mg/kg	0.17 U
Diethyl phthalate	100	mg/kg	0.17 U
Dimethyl phthalate	200	mg/kg	0.17 U
Benzo(a)anthracene		1 mg/kg	0.1 U
Benzo(a)pyrene	2.6	1 mg/kg	0.14 U
Benzo(b)fluoranthene		1 mg/kg	0.1 U
Benzo(k)fluoranthene		0.8 mg/kg	0.1 U
Chrysene		1 mg/kg	0.1 U
Acenaphthylene		100 mg/kg	0.14 U
Anthracene		100 mg/kg	0.1 U
Benzo(ghi)perylene		100 mg/kg	0.14 U
Fluorene	30	30 mg/kg	0.17 U
Phenanthrene		100 mg/kg	0.1 U
Dibenzo(a,h)anthracene		0.33 mg/kg	0.1 U
Indeno(1,2,3-cd)pyrene		0.5 mg/kg	0.14 U
Pyrene		100 mg/kg	0.1 U
Biphenyl	60	mg/kg	0.39 U
4-Chloroaniline		mg/kg	0.17 U
2-Nitroaniline		mg/kg	0.17 U
3-Nitroaniline		mg/kg	0.17 U
4-Nitroaniline		mg/kg	0.17 U
Dibenzofuran		7 mg/kg	0.17 U



**TABLE 2 - SUMMARY OF RESULTS FROM SAMPLING EVENT #2**  
**John R Oshie Childrens Hosptial Construcion - Native Soil Assessment**

"U" = Not Detected Above Detection Limit, "J" = Estimated Value

LOCATION	S21-9'			
SAMPLING DATE	10/10/2014			
LAB SAMPLE ID	L1424182-01			
SAMPLE TYPE	NYSDEC	NYSDEC	SO	
SAMPLE DEPTH (ft.)	Protect.	SCO	9	
	Ecology	UNRES. Use	Units	Qual
2-Methylnaphthalene			mg/kg	U
1,2,4,5-Tetrachlorobenzene			mg/kg	U
Acetophenone			mg/kg	U
2,4,6-Trichlorophenol	10		mg/kg	U
p-Chloro-m-cresol			mg/kg	U
2-Chlorophenol	0.8		mg/kg	U
2,4-Dichlorophenol	20		mg/kg	U
2,4-Dimethylphenol			mg/kg	U
2-Nitrophenol	7		mg/kg	U
4-Nitrophenol	7		mg/kg	U
2,4-Dinitrophenol	20		mg/kg	U
4,6-Dinitro-o-cresol			mg/kg	U
Pentachlorophenol	0.8	0.8	mg/kg	U
Phenol	30	0.33	mg/kg	U
2-Methylphenol		0.33	mg/kg	U
3-Methylphenol/4-Methylphenol		0.33	mg/kg	U
2,4,5-Trichlorophenol	4		mg/kg	U
Carbazole			mg/kg	U
Benzaldehyde			mg/kg	U
Caprolactam			mg/kg	U
Atrazine			mg/kg	U
2,3,4,6-Tetrachlorophenol			mg/kg	U
Total Metals - Westborough Lab				
Arsenic, Total	13	13	mg/kg	U
Barium, Total	433	350	mg/kg	
Beryllium, Total	10	7.2	mg/kg	J
Cadmium, Total	4	2.5	mg/kg	U
Chromium, Total			mg/kg	
Copper, Total	50	50	mg/kg	
Lead, Total	63	63	mg/kg	
Manganese, Total	1600	1600	mg/kg	
Mercury, Total	0.18	0.18	mg/kg	U
Nickel, Total	30	30	mg/kg	
Selenium, Total	3.9	3.9	mg/kg	U
Silver, Total	2	2	mg/kg	U
Zinc, Total	109	109	mg/kg	

# **TABLE 2 - SUMMARY OF RESULTS FROM SAMPLING EVENT #2** **John R Oshie Childrens Hosptial Construcion - Native Soil Assessment**

"U" = Not Detected Above Detection Limit, "J" = Estimated Value

LOCATION			S21-9'	
SAMPLING DATE			10/10/2014	
LAB SAMPLE ID			L1424182-01	
SAMPLE TYPE	NYSDEC	NYSDEC	SO	
SAMPLE DEPTH (ft.)	Protect.	SCO	9	
	Ecology	UNRES. Use Units		Qual
Volatile Organics by 8260/5035 - Westborough Lab				
Methylene chloride	12	0.05 mg/kg	0.01	U
1,1-Dichloroethane		0.27 mg/kg	0.0015	U
Chloroform	12	0.37 mg/kg	0.0015	U
Carbon tetrachloride		0.76 mg/kg	0.001	U
1,2-Dichloropropane	700	mg/kg	0.0036	U
Dibromochloromethane	10	mg/kg	0.001	U
1,1,2-Trichloroethane		mg/kg	0.0015	U
Tetrachloroethene	2	1.3 mg/kg	0.001	U
Chlorobenzene	40	1.1 mg/kg	0.001	U
Trichlorofluoromethane		mg/kg	0.0051	U
1,2-Dichloroethane	10	0.02 mg/kg	0.001	U
1,1,1-Trichloroethane		0.68 mg/kg	0.001	U
Bromodichloromethane		mg/kg	0.001	U
trans-1,3-Dichloropropene		mg/kg	0.001	U
cis-1,3-Dichloropropene		mg/kg	0.001	U
Bromoform		mg/kg	0.0041	U
1,1,2,2-Tetrachloroethane	2	mg/kg	0.001	U
Benzene	70	0.06 mg/kg	0.001	U
Toluene	36	0.7 mg/kg	0.0015	U
Ethylbenzene		1 mg/kg	0.001	U
Chloromethane		mg/kg	0.0051	U
Bromomethane		mg/kg	0.002	U
Vinyl chloride		0.02 mg/kg	0.002	U
Chloroethane		mg/kg	0.002	U
1,1-Dichloroethene		0.33 mg/kg	0.001	U
trans-1,2-Dichloroethene		0.19 mg/kg	0.0015	U
Trichloroethene	2	0.47 mg/kg	0.001	U
1,2-Dichlorobenzene		1.1 mg/kg	0.0051	U
1,3-Dichlorobenzene		2.4 mg/kg	0.0051	U
1,4-Dichlorobenzene	20	1.8 mg/kg	0.0051	U
Methyl tert butyl ether		0.93 mg/kg	0.002	U
p/m-Xylene		mg/kg	0.002	U
o-Xylene		mg/kg	0.002	U
cis-1,2-Dichloroethene		0.25 mg/kg	0.001	U
Styrene	300	mg/kg	0.002	U
Dichlorodifluoromethane		mg/kg	0.01	U
Acetone	2.2	0.05 mg/kg	0.0083	J
Carbon disulfide		mg/kg	0.01	U
2-Butanone	100	0.12 mg/kg	0.01	U
4-Methyl-2-pentanone		mg/kg	0.01	U
2-Hexanone		mg/kg	0.01	U
Bromochloromethane		mg/kg	0.0051	U
1,2-Dibromoethane		mg/kg	0.0041	U
1,2-Dibromo-3-chloropropane		mg/kg	0.0051	U
Isopropylbenzene		mg/kg	0.001	U

**TABLE 2 - SUMMARY OF RESULTS FROM SAMPLING EVENT #2**  
**John R Oshie Childrens Hosptial Construcion - Native Soil Assessment**

"U" = Not Detected Above Detection Limit, "J" = Estimated Value

<b>LOCATION</b>				<b>S21-9'</b>	
<b>SAMPLING DATE</b>				<b>10/10/2014</b>	
<b>LAB SAMPLE ID</b>				<b>L1424182-01</b>	
<b>SAMPLE TYPE</b>	<b>NYSDEC</b>	<b>NYSDEC</b>		<b>SO</b>	
<b>SAMPLE DEPTH (ft.)</b>	<b>Protect.</b>	<b>SCO</b>		<b>9</b>	
	<b>Ecology</b>	<b>UNRES. Use</b>	<b>Units</b>		<b>Qual</b>
1,2,3-Trichlorobenzene	20		mg/kg	0.0051	U
1,2,4-Trichlorobenzene	20		mg/kg	0.0051	U
Methyl Acetate			mg/kg	0.02	U
Cyclohexane			mg/kg	0.02	U
1,4-Dioxane	0.1	0.1	mg/kg	0.1	U
Freon-113			mg/kg	0.02	U
Methyl cyclohexane			mg/kg	0.0041	U

**TABLE 3 - SUMMARY OF RESULTS FROM SAMPLING EVENT #3**  
**John R Oshie Childrens Hospital Construcion - Native Soil Assessment**

"U" = Not Detected Above Detection Limit, "J" = Estimated Value

LOCATION			J4-10'		J6-9'		J4-10'-VOC		J6-9'-VOC	
SAMPLING DATE			10/14/2014		10/14/2014		10/14/2014		10/14/2014	
LAB SAMPLE ID			L1424545-01		L1424545-02		L1424545-03		L1424545-04	
SAMPLE TYPE			SO		SO		SO		SO	
SAMPLE DEPTH (ft.)	NYSDEC Protect. Ecology	NYSDEC SCO UNRES. U Units	10	Qual	9	Qual	10	Qual	9	Qual
Chlorinated Herbicides by GC - Westborough Lab										
2,4,5-TP (Silvex)		3.8 mg/kg	0.177	U	0.183	U	-	-	-	-
General Chemistry - Westborough Lab										
Solids, Total		%	92.2		90.5		92.8		90.7	
Cyanide, Total		27 mg/kg	1	U	1	U	-	-	-	-
Chromium, Hexavalent	1	1 mg/kg	0.87	U	0.88	U	-	-	-	-
Organochlorine Pesticides by GC - Westborough Lab										
Delta-BHC	0.04	0.04 mg/kg	0.00169	U	0.00168	U	-	-	-	-
Lindane	6	0.1 mg/kg	0.000704	U	0.0007	U	-	-	-	-
Alpha-BHC	0.04	0.02 mg/kg	0.000704	U	0.0007	U	-	-	-	-
Beta-BHC	0.6	0.036 mg/kg	0.00169	U	0.00168	U	-	-	-	-
Heptachlor	0.14	0.042 mg/kg	0.000844	U	0.00084	U	-	-	-	-
Aldrin	0.14	0.005 mg/kg	0.00169	U	0.00168	U	-	-	-	-
Heptachlor epoxide		mg/kg	0.00317	U	0.00315	U	-	-	-	-
Endrin	0.014	0.014 mg/kg	0.000704	U	0.0007	U	-	-	-	-
Endrin ketone		mg/kg	0.00169	U	0.00168	U	-	-	-	-
Dieldrin	0.006	0.005 mg/kg	0.00106	U	0.00105	U	-	-	-	-
4,4'-DDE	0.0033	0.0033 mg/kg	0.00169	U	0.00168	U	-	-	-	-
4,4'-DDD	0.0033	0.0033 mg/kg	0.00169	U	0.00168	U	-	-	-	-
4,4'-DDT	0.0033	0.0033 mg/kg	0.00317	U	0.00315	U	-	-	-	-
Endosulfan I		2.4 mg/kg	0.00169	U	0.00168	U	-	-	-	-
Endosulfan II		2.4 mg/kg	0.00169	U	0.00168	U	-	-	-	-
Endosulfan sulfate		2.4 mg/kg	0.000704	U	0.0007	U	-	-	-	-
Methoxychlor	1.2	mg/kg	0.00317	U	0.00315	U	-	-	-	-
Toxaphene		mg/kg	0.0317	U	0.0315	U	-	-	-	-
cis-Chlordane	1.3	0.094 mg/kg	0.00211	U	0.0021	U	-	-	-	-
trans-Chlordane		mg/kg	0.00211	U	0.0021	U	-	-	-	-
Chlordane		mg/kg	0.0137	U	0.0136	U	-	-	-	-
Polychlorinated Biphenyls by GC - Westborough Lab										
Aroclor 1016	1	0.1 mg/kg	0.035	U	0.0346	U	-	-	-	-
Aroclor 1221	1	0.1 mg/kg	0.035	U	0.0346	U	-	-	-	-
Aroclor 1232	1	0.1 mg/kg	0.035	U	0.0346	U	-	-	-	-
Aroclor 1242	1	0.1 mg/kg	0.035	U	0.0346	U	-	-	-	-
Aroclor 1248	1	0.1 mg/kg	0.035	U	0.0346	U	-	-	-	-
Aroclor 1254	1	0.1 mg/kg	0.035	U	0.0346	U	-	-	-	-
Aroclor 1260	1	0.1 mg/kg	0.035	U	0.0346	U	-	-	-	-
Aroclor 1262	1	0.1 mg/kg	0.035	U	0.0346	U	-	-	-	-
Aroclor 1268	1	0.1 mg/kg	0.035	U	0.0346	U	-	-	-	-
PCBs, Total		mg/kg	0.035	U	0.0346	U	-	-	-	-
Semivolatile Organics by GC/MS - Westborough Lab										
Acenaphthene	20	20 mg/kg	0.14	U	0.14	U	-	-	-	-
Hexachlorobenzene		0.33 mg/kg	0.11	U	0.11	U	-	-	-	-
Bis(2-chloroethyl)ether		mg/kg	0.16	U	0.16	U	-	-	-	-
2-Chloronaphthalene		mg/kg	0.18	U	0.18	U	-	-	-	-
3,3'-Dichlorobenzidine		mg/kg	0.18	U	0.18	U	-	-	-	-
2,4-Dinitrotoluene		mg/kg	0.18	U	0.18	U	-	-	-	-
2,6-Dinitrotoluene		mg/kg	0.18	U	0.18	U	-	-	-	-
Fluoranthene		100 mg/kg	0.11	U	0.11	U	-	-	-	-
4-Chlorophenyl phenyl ether		mg/kg	0.18	U	0.18	U	-	-	-	-
4-Bromophenyl phenyl ether		mg/kg	0.18	U	0.18	U	-	-	-	-
Bis(2-chloroisopropyl)ether		mg/kg	0.21	U	0.21	U	-	-	-	-
Bis(2-chloroethoxy)methane		mg/kg	0.19	U	0.19	U	-	-	-	-
Hexachlorobutadiene		mg/kg	0.18	U	0.18	U	-	-	-	-
Hexachlorocyclopentadiene	10	mg/kg	0.51	U	0.51	U	-	-	-	-
Hexachloroethane		mg/kg	0.14	U	0.14	U	-	-	-	-
Isophorone		mg/kg	0.16	U	0.16	U	-	-	-	-
Naphthalene		12 mg/kg	0.18	U	0.18	U	-	-	-	-
Nitrobenzene	40	mg/kg	0.16	U	0.16	U	-	-	-	-
NDPA/DPA	20	mg/kg	0.14	U	0.14	U	-	-	-	-
n-Nitrosodi-n-propylamine		mg/kg	0.18	U	0.18	U	-	-	-	-
Bis(2-ethylhexyl)phthalate	239	mg/kg	0.18	U	0.18	U	-	-	-	-

**TABLE 3 - SUMMARY OF RESULTS FROM SAMPLING EVENT #3**  
**John R Oshie Childrens Hospital Construcion - Native Soil Assessment**

"U" = Not Detected Above Detection Limit, "J" = Estimated Value

LOCATION			J4-10'			J6-9'			J4-10'-VOC			J6-9'-VOC
SAMPLING DATE			10/14/2014			10/14/2014			10/14/2014			10/14/2014
LAB SAMPLE ID			L1424545-01			L1424545-02			L1424545-03			L1424545-04
SAMPLE TYPE	NYSDEC	NYSDEC	SO			SO			SO			SO
SAMPLE DEPTH (ft.)	Protect.	SCO	10	Qual	9	Qual	10	Qual	9	Qual	10	Qual
Butyl benzyl phthalate	Ecology	UNRES. U Units	mg/kg	0.18	U	0.18	U	-	-	-	-	-

**TABLE 3 - SUMMARY OF RESULTS FROM SAMPLING EVENT #3**  
**John R Oshie Childrens Hospital Construcion - Native Soil Assessment**

"U" = Not Detected Above Detection Limit, "J" = Estimated Value

LOCATION			J4-10'			J6-9'			J4-10'-VOC			J6-9'-VOC
SAMPLING DATE			10/14/2014			10/14/2014			10/14/2014			10/14/2014
LAB SAMPLE ID			L1424545-01			L1424545-02			L1424545-03			L1424545-04
SAMPLE TYPE	NYSDEC	NYSDEC	SO			SO			SO			SO
SAMPLE DEPTH (ft.)	Protect.	SCO	10	Qual	9	Qual	10	Qual	9	Qual	10	Qual
	Ecology	UNRES. U Units										
Di-n-butylphthalate	0.014	mg/kg	0.18	U	0.18	U	-	-	-	-	-	-
Di-n-octylphthalate		mg/kg	0.18	U	0.18	U	-	-	-	-	-	-
Diethyl phthalate	100	mg/kg	0.18	U	0.18	U	-	-	-	-	-	-
Dimethyl phthalate	200	mg/kg	0.18	U	0.18	U	-	-	-	-	-	-
Benzo(a)anthracene		1 mg/kg	0.11	U	0.11	U	-	-	-	-	-	-
Benzo(a)pyrene	2.6	1 mg/kg	0.14	U	0.14	U	-	-	-	-	-	-
Benzo(b)fluoranthene		1 mg/kg	0.11	U	0.11	U	-	-	-	-	-	-
Benzo(k)fluoranthene		0.8 mg/kg	0.11	U	0.11	U	-	-	-	-	-	-
Chrysene		1 mg/kg	0.11	U	0.11	U	-	-	-	-	-	-
Acenaphthylene		100 mg/kg	0.14	U	0.14	U	-	-	-	-	-	-
Anthracene		100 mg/kg	0.11	U	0.11	U	-	-	-	-	-	-
Benzo(ghi)perylene		100 mg/kg	0.14	U	0.14	U	-	-	-	-	-	-
Fluorene	30	30 mg/kg	0.18	U	0.18	U	-	-	-	-	-	-
Phenanthrene		100 mg/kg	0.11	U	0.11	U	-	-	-	-	-	-
Dibenzo(a,h)anthracene		0.33 mg/kg	0.11	U	0.11	U	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene		0.5 mg/kg	0.14	U	0.14	U	-	-	-	-	-	-
Pyrene		100 mg/kg	0.11	U	0.11	U	-	-	-	-	-	-
Biphenyl	60	mg/kg	0.4	U	0.41	U	-	-	-	-	-	-
4-Chloroaniline		mg/kg	0.18	U	0.18	U	-	-	-	-	-	-
2-Nitroaniline		mg/kg	0.18	U	0.18	U	-	-	-	-	-	-
3-Nitroaniline		mg/kg	0.18	U	0.18	U	-	-	-	-	-	-
4-Nitroaniline		mg/kg	0.18	U	0.18	U	-	-	-	-	-	-
Dibenzofuran		7 mg/kg	0.18	U	0.18	U	-	-	-	-	-	-
2-Methylnaphthalene		mg/kg	0.21	U	0.21	U	-	-	-	-	-	-
1,2,4,5-Tetrachlorobenzene		mg/kg	0.18	U	0.18	U	-	-	-	-	-	-
Acetophenone		mg/kg	0.18	U	0.18	U	-	-	-	-	-	-
2,4,6-Trichlorophenol	10	mg/kg	0.11	U	0.11	U	-	-	-	-	-	-
p-Chloro-m-cresol		mg/kg	0.18	U	0.18	U	-	-	-	-	-	-
2-Chlorophenol	0.8	mg/kg	0.18	U	0.18	U	-	-	-	-	-	-
2,4-Dichlorophenol	20	mg/kg	0.16	U	0.16	U	-	-	-	-	-	-
2,4-Dimethylphenol		mg/kg	0.18	U	0.18	U	-	-	-	-	-	-
2-Nitrophenol	7	mg/kg	0.38	U	0.39	U	-	-	-	-	-	-
4-Nitrophenol	7	mg/kg	0.25	U	0.25	U	-	-	-	-	-	-
2,4-Dinitrophenol	20	mg/kg	0.85	U	0.86	U	-	-	-	-	-	-
4,6-Dinitro-o-cresol		mg/kg	0.46	U	0.46	U	-	-	-	-	-	-
Pentachlorophenol	0.8	0.8 mg/kg	0.14	U	0.14	U	-	-	-	-	-	-
Phenol	30	0.33 mg/kg	0.18	U	0.18	U	-	-	-	-	-	-
2-Methylphenol		0.33 mg/kg	0.18	U	0.18	U	-	-	-	-	-	-
3-Methylphenol/4-Methylphenol		0.33 mg/kg	0.26	U	0.26	U	-	-	-	-	-	-
2,4,5-Trichlorophenol	4	mg/kg	0.18	U	0.18	U	-	-	-	-	-	-
Carbazole		mg/kg	0.18	U	0.18	U	-	-	-	-	-	-
Benzaldehyde		mg/kg	0.23	U	0.24	U	-	-	-	-	-	-
Caprolactam		mg/kg	0.18	U	0.18	U	-	-	-	-	-	-
Atrazine		mg/kg	0.14	U	0.14	U	-	-	-	-	-	-
2,3,4,6-Tetrachlorophenol		mg/kg	0.18	U	0.18	U	-	-	-	-	-	-
Total Metals - Westborough Lab												
Arsenic, Total	13	13 mg/kg	2.7		0.95		-	-	-	-	-	-
Barium, Total	433	350 mg/kg	18		20		-	-	-	-	-	-
Beryllium, Total	10	7.2 mg/kg	0.1	J	0.1	J	-	-	-	-	-	-
Cadmium, Total	4	2.5 mg/kg	0.05	J	0.06	J	-	-	-	-	-	-
Chromium, Total		mg/kg	4.4		4.2		-	-	-	-	-	-
Copper, Total	50	50 mg/kg	7		7.3		-	-	-	-	-	-
Lead, Total	63	63 mg/kg	7		7.8		-	-	-	-	-	-
Manganese, Total	1600	1600 mg/kg	240		230		-	-	-	-	-	-
Mercury, Total	0.18	0.18 mg/kg	0.07	U	0.08	U	-	-	-	-	-	-
Nickel, Total	30	30 mg/kg	4		3.8		-	-	-	-	-	-
Selenium, Total	3.9	3.9 mg/kg	0.57	J	0.52	J	-	-	-	-	-	-
Silver, Total	2	2 mg/kg	0.42	U	0.43	U	-	-	-	-	-	-
Zinc, Total	109	109 mg/kg	48		49		-	-	-	-	-	-

**TABLE 3 - SUMMARY OF RESULTS FROM SAMPLING EVENT #3**  
**John R Oshie Childrens Hospital Construcion - Native Soil Assessment**

"U" = Not Detected Above Detection Limit, "J" = Estimated Value

LOCATION			J4-10'		J6-9'		J4-10'-VOC		J6-9'-VOC	
SAMPLING DATE			10/14/2014		10/14/2014		10/14/2014		10/14/2014	
LAB SAMPLE ID			L1424545-01		L1424545-02		L1424545-03		L1424545-04	
SAMPLE TYPE	NYSDEC	NYSDEC	SO		SO		SO		SO	
SAMPLE DEPTH (ft.)	Protect.	SCO	10		9		10		9	
	Ecology	UNRES. U Units		Qual		Qual		Qual		Qual
Volatile Organics by 8260/5035 - Westborough Lab										
Methylene chloride	12	0.05 mg/kg	0.009	U	0.0095	U	0.0094	U	0.0098	U
1,1-Dichloroethane		0.27 mg/kg	0.0014	U	0.0014	U	0.0014	U	0.0015	U
Chloroform	12	0.37 mg/kg	0.0014	U	0.0014	U	0.0014	U	0.0015	U
Carbon tetrachloride		0.76 mg/kg	0.0009	U	0.00095	U	0.00094	U	0.00098	U
1,2-Dichloropropane	700	mg/kg	0.0032	U	0.0033	U	0.0033	U	0.0034	U
Dibromochloromethane	10	mg/kg	0.0009	U	0.00095	U	0.00094	U	0.00098	U
1,1,2-Trichloroethane		mg/kg	0.0014	U	0.0014	U	0.0014	U	0.0015	U
Tetrachloroethene	2	1.3 mg/kg	0.0009	U	0.00095	U	0.00094	U	0.00098	U
Chlorobenzene	40	1.1 mg/kg	0.0009	U	0.00095	U	0.00094	U	0.00098	U
Trichlorofluoromethane		mg/kg	0.0045	U	0.0048	U	0.0047	U	0.0049	U
1,2-Dichloroethane	10	0.02 mg/kg	0.0009	U	0.00095	U	0.00094	U	0.00098	U
1,1,1-Trichloroethane		0.68 mg/kg	0.0009	U	0.00095	U	0.00094	U	0.00098	U
Bromodichloromethane		mg/kg	0.0009	U	0.00095	U	0.00094	U	0.00098	U
trans-1,3-Dichloropropene		mg/kg	0.0009	U	0.00095	U	0.00094	U	0.00098	U
cis-1,3-Dichloropropene		mg/kg	0.0009	U	0.00095	U	0.00094	U	0.00098	U
Bromoform		mg/kg	0.0036	U	0.0038	U	0.0038	U	0.0039	U
1,1,2,2-Tetrachloroethane	2	mg/kg	0.0009	U	0.00095	U	0.00094	U	0.00098	U
Benzene	70	0.06 mg/kg	0.0009	U	0.00095	U	0.00094	U	0.00098	U
Toluene	36	0.7 mg/kg	0.0014	U	0.0014	U	0.0014	U	0.0015	U
Ethylbenzene		1 mg/kg	0.0009	U	0.00095	U	0.00094	U	0.00098	U
Chloromethane		mg/kg	0.0045	U	0.0048	U	0.0047	U	0.0049	U
Bromomethane		mg/kg	0.0018	U	0.0019	U	0.0019	U	0.002	U
Vinyl chloride		0.02 mg/kg	0.0018	U	0.0019	U	0.0019	U	0.002	U
Chloroethane		mg/kg	0.0018	U	0.0019	U	0.0019	U	0.002	U
1,1-Dichloroethene		0.33 mg/kg	0.0009	U	0.00095	U	0.00094	U	0.00098	U
trans-1,2-Dichloroethene		0.19 mg/kg	0.0014	U	0.0014	U	0.0014	U	0.0015	U
Trichloroethene	2	0.47 mg/kg	0.0009	U	0.00095	U	0.00094	U	0.00098	U
1,2-Dichlorobenzene		1.1 mg/kg	0.0045	U	0.0048	U	0.0047	U	0.0049	U
1,3-Dichlorobenzene		2.4 mg/kg	0.0045	U	0.0048	U	0.0047	U	0.0049	U
1,4-Dichlorobenzene	20	1.8 mg/kg	0.0045	U	0.0048	U	0.0047	U	0.0049	U
Methyl tert butyl ether		0.93 mg/kg	0.0018	U	0.0019	U	0.0019	U	0.002	U
p/m-Xylene		mg/kg	0.0018	U	0.0019	U	0.0019	U	0.002	U
o-Xylene		mg/kg	0.0018	U	0.0019	U	0.0019	U	0.002	U
cis-1,2-Dichloroethene		0.25 mg/kg	0.0009	U	0.00095	U	0.00094	U	0.00098	U
Styrene	300	mg/kg	0.0018	U	0.0019	U	0.0019	U	0.002	U
Dichlorodifluoromethane		mg/kg	0.009	U	0.0095	U	0.0094	U	0.0098	U
Acetone	2.2	0.05 mg/kg	0.009	U	0.0065	J	0.01		0.0077	J
Carbon disulfide		mg/kg	0.009	U	0.0095	U	0.0094	U	0.0098	U
2-Butanone	100	0.12 mg/kg	0.009	U	0.0095	U	0.0094	U	0.0098	U
4-Methyl-2-pentanone		mg/kg	0.009	U	0.0095	U	0.0094	U	0.0098	U
2-Hexanone		mg/kg	0.009	U	0.0095	U	0.0094	U	0.0098	U
Bromochloromethane		mg/kg	0.0045	U	0.0048	U	0.0047	U	0.0049	U
1,2-Dibromoethane		mg/kg	0.0036	U	0.0038	U	0.0038	U	0.0039	U
1,2-Dibromo-3-chloropropane		mg/kg	0.0045	U	0.0048	U	0.0047	U	0.0049	U
Isopropylbenzene		mg/kg	0.0009	U	0.00095	U	0.00094	U	0.00098	U
1,2,3-Trichlorobenzene	20	mg/kg	0.0045	U	0.0048	U	0.0047	U	0.0049	U
1,2,4-Trichlorobenzene	20	mg/kg	0.0045	U	0.0048	U	0.0047	U	0.0049	U
Methyl Acetate		mg/kg	0.018	U	0.019	U	0.019	U	0.02	U
Cyclohexane		mg/kg	0.018	U	0.019	U	0.019	U	0.02	U
1,4-Dioxane	0.1	0.1 mg/kg	0.09	U	0.095	U	0.094	U	0.098	U
Freon-113		mg/kg	0.018	U	0.019	U	0.019	U	0.02	U
Methyl cyclohexane		mg/kg	0.0036	U	0.0038	U	0.0038	U	0.0039	U



## MEMORANDUM

<b>TO:</b>	J. Walia (NYSDEC)
<b>CC:</b>	J. Panepinto, L. Cannata (Pinto CS)
<b>FROM:</b>	Dharma Iyer (IEG)
<b>DATE:</b>	May 27, 2015
<b>RE:</b>	<b>132 Dingens St. BCP Site</b> OFF-SITE TOPSOIL - STOCKPILE SAMPLING & ANALYSIS

132 Dingens St, LLC is proposing to use the following material at the 132 Dingens St. site after excavation of contaminated soil/fill:

- Topsoil: Obtained from two locations  
Pinto CS excavated this soil and stockpiled it at its yard on Babcock St, Buffalo, NY.

TOPSOIL: As the subcontractor for construction work, Pinto excavated topsoil at the St. Joseph Collegiate Institute in Tonawanda, NY and the Boulevard Mall in Amherst, NY. Pinto trucked approximately 3,700 CY of topsoil from these two locations to its yard on Babcock St. in Buffalo, NY. Around 80% of it came from St. Joseph's and the 20% from the Mall.

SAMPLING BY IEG: The topsoil stockpile was sampled by IEG on May 12, 2015 at Pinto's yard on Babcock St.

The sampling was performed by digging into the stock pile a backhoe. A total of fifteen (15) test pits were dug over the stockpile in an area representative of 2000 CY. The locations of these test pits are shown on the attached Figure 1. A total of twelve (12) grab clean topsoil samples (marked 1 through 12 on Figure 1) were collected for VOCs only. From each group of five test pits outlined on Figure 1, one composite sample was collected for the other DER-10 parameters. Thus three composite soil samples were collected for TCL semivolatile organics, pesticides, herbicides, PCBs, TAL metals (including mercury) and cyanide. All soil samples were submitted to a NYS ELAP-certified analytical laboratory for DER-10 parameters for use of off-site fill at a BCP site.

ANALYTICAL RESULTS: Analytical results for soil samples from the stockpile are included as Table 1.

VOCs: Trace levels of up to only four (4) VOCs were detected in the topsoil samples, all below Restricted Residential Use SCOs. The detected VOCs included chloroform (up to 1.1 µg/Kg), ethylbenzene (up to 0.43 µg/Kg), methylene chloride (up to 13 µg/Kg) and toluene (up to 3.7 µg/Kg).

SVOCs: Up to only six (6) SVOCs were detected in the three composite topsoil samples. These included benzo(a)anthracene (up to 960 µg/Kg), benzo(a)pyrene (up to 790 µg/Kg), benzo(b)fluoranthene (up to 1100 µg/Kg), fluoranthene (up to 1500 µg/Kg), phenanthrene (up to 1000 µg/Kg), and pyrene (up to 1200 µg/Kg).

Pesticides: Only one (1) pesticide compound was detected in the composite topsoil samples. Delta-BHC was detected at 51 µg/Kg in one sample.

PCBs: No PCBs were present in any sample.

Herbicides: No herbicides were present in any sample.



## Memorandum

Page 2

Subject: 132 Dingens St. Site: Topsoil  
From D. Iyer (IEG) to J. Walia (NYSDEC)

May 28, 2015

Metals & Cyanide: No cyanide was detected in any of the samples. Two (2) of the thirteen (13) metals on the DER-10 list were non-detect in the samples. All others were detected at trace levels and below their corresponding Restricted Residential Use SCOs. Amongst these, arsenic ranged up to 5.6 mg/Kg, barium up to 79.1 mg/Kg, beryllium up to 0.65 µg/Kg, cadmium up to 0.42µg/Kg, chromium up to 17.4 µg/Kg, copper up to 25.1 µg/Kg, lead up to 73.1 µg/Kg, manganese up to 309 µg/Kg, nickel up to 18.2 µg/Kg, and zinc up to 98.8 µg/Kg.

SUMMARY: No PCBs, herbicides or cyanide were detected in the samples. All detected organics and metals were below their corresponding Restricted Residential use SCOs. Based on these results, the topsoil fill stockpiled at Pinto's yard from the two locations is suitable for use at the 132 Dingens St. site.

**TABLE 1**  
**132 DINGENS STREET - BCP REMEDIATION**  
**OFF-SITE TOPSOIL (PINTO YARD)**

SAMPLE TYPE/ ID	DER-10 SCOs		GRAB SAMPLES (VOCs ONLY) COMPOSITE SAMPLES (ALL OTHERS)			GRAB SAMPLES (VOCs ONLY)								
	RESTRICTED RESIDENTIAL	RESTRICTED COMMERCIAL	CTS-1C	CTS-2C	CTS-3C	CTS-4G	CTS-5G	CTS-6G	CTS-7G	CTS-8G	CTS-9G	CTS-10G	CTS-11G	CTS-12G
LAB BATCH NUMBER			80176											
Sample Date			5/12/2015											
Percent Solids (%)			84.1	84.4	80.4	84.7	79.6							
pH (s.u.)			7.67	7.43	7.31	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOC (mg/Kg)			16,900	21,300	24,500	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOLATILE ORGANICS (VOCs, ug/Kg)														
Chloroform	100,000	350,000	ND	ND	ND	0.80 J	0.80 J	1.1 J	0.68 J	0.84 J	0.76 J	0.75 J	0.93 J	12 J
Ethylbenzene	41,000	390,000	ND	ND	ND	ND	ND	0.43 J	ND	ND	ND	ND	ND	ND
Methylene Chloride	100,000	500,000	5.2 J	4.4 JB	4.7 JB	6.5 B	8.0 B	13 B	6.7 B	5.8 B	4.0 JB	2.9 JB	6.8 B	8.5 B
Toluene	100,000	500,000	ND	ND	ND	1.1 J	ND	3.7 J	1.1 J	0.72 J	ND	ND	ND	ND
SEMIVOLATILE ORGANICS (SVOCs, ug/Kg)														
Benzo(a)anthracene	1,000	5,600	770 J	960 J	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	1,000	1,000	ND	790 J	ND									
Benzo(b)fluoranthene	3,900	5,600	ND	1100 J	ND									
Fluoranthene	100,000	500,000	1100 J	1500 J	ND									
Phenanthrene	100,000	500,000	ND	1000 J	ND									
Pyrene	100,000	500,000	950 J	1200 J	ND									
PESTICIDES (ug/Kg)														
delta-BHC	100,000	500,000	51 J	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (ug/Kg)			ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
HERBICIDES (ug/Kg)			ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA

**TABLE 1**  
**132 DINGENS STREET - BCP REMEDIATION**  
**OFF-SITE TOPSOIL (PINTO YARD)**

SAMPLE TYPE/ ID	DER-10 SCOs		GRAB SAMPLES (VOCs ONLY) COMPOSITE SAMPLES (ALL OTHERS)			GRAB SAMPLES (VOCs ONLY)								
	RESTRICTED RESIDENTIAL	RESTRICTED COMMERCIAL	CTS-1C	CTS-2C	CTS-3C	CTS-4G	CTS-5G	CTS-6G	CTS-7G	CTS-8G	CTS-9G	CTS-10G	CTS-11G	CTS-12G
<b>METALS (mg/Kg)</b>														
Arsenic	16	16	4.7 F1	5.6	4.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	400	400	62.6 F1	79.1	119									
Beryllium	72	590	0.50 F1	0.47	0.65									
Cadmium	4.3	9.3	0.68 F1	0.42	0.40									
Chromium	180	1,500	13.8 F1	14.7	17.4									
Copper	270	270	173 F1	25.1	20.9									
Lead	400	1,000	65.3 F2/1	73.1	47.7									
Manganese	2,000	10,000	281 F21B	309 B	224 B									
Nickel	310	310	12.6 F1	15.5	18.2									
Selenium	180	1,500	ND	ND	ND									
Silver	180	1,500	ND	ND	ND									
Zinc	10,000	10,000	94.4 F1B	93.8 B	98.8 B									
Mercury	0.81	2.8	0.080 F1	0.14	0.11									
<b>Total Cyanide (mg/Kg)</b>	27	27	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes: 1. "NA" or "-" = not analyzed; "ND" = Not Detected

2. Only detected volatile and semivolatile compounds are listed; all metals analyzed are listed

Note: Background aerial photo is just to show location of stockpile;  
see photo page showing actual stockpile



### LEGEND

- Stockpile limits
- Composite Sample Boundaries
- ◆ Test pits

**132 DINGENS STREET, BUFFALO, NY**  
**OFF-SITE TOPSOIL SAMPLING (PINTO YARD)**

**FIGURE 1**

**IEG**





1. South section of topsoil stockpile, Pinto Construction Yard



2. North section of topsoil stockpile, Pinto Construction Yard



3. South end of topsoil stockpile, Pinto Construction Yard



4. North end of topsoil stockpile, Pinto Construction Yard



5. View of Test Pit 4



6. View of Test Pit 10

# **TOPSOIL STOCKPILE TEST PIT SAMPLING**

**PINTO'S YARD, BABCOCK ST., BUFFALO, NY**



# **SITE PHOTOGRAPHS**

DATE: May 12, 2015



## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-80176-1

Client Project/Site: Pinto Topsoil (NY)

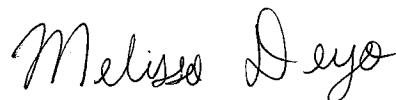
For:

Iyer Environmental Group, LLC

44 Rolling Hills Drive

Orchard Park, New York 14127

Attn: Dr. Dharmarajan R Iyer



Authorized for release by:

5/27/2015 8:26:51 AM

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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.

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# Definitions/Glossary

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

## 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
X	Surrogate is outside 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
X	Surrogate is outside control limits
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
B	Compound was found in the blank and sample.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)



# Case Narrative

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

**Job ID: 480-80176-1**

**Laboratory: TestAmerica Buffalo**

## Narrative

### Job Narrative 480-80176-1

#### Receipt

The samples were received on 5/12/2015 3:15 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 13.6° C.

#### GC/MS VOA

Method(s) 8260C: Some reported analyte concentrations in the following samples are below 200ug/kg and may be biased low due to the samples not being collected according to 5035-L/5035A-L low-level specifications: CTS-1C (480-80176-1), CTS-2C (480-80176-2), CTS-3C (480-80176-3), CTS-4G (480-80176-4), CTS-5G (480-80176-5), CTS-6G (480-80176-6), CTS-7G (480-80176-7), CTS-8G (480-80176-8), CTS-9G (480-80176-9), CTS-10G (480-80176-10), CTS-11G (480-80176-11) and CTS-12G (480-80176-12).

Method(s) 8260C: The method blank for batch 242785 contained Methylene Chloride 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.

Method(s) 8260C: The following samples contained Methylene Chloride above the MDL level and around the RL of the method: CTS-4G (480-80176-4), CTS-5G (480-80176-5), CTS-6G (480-80176-6), CTS-7G (480-80176-7), CTS-8G (480-80176-8), CTS-11G (480-80176-11) and CTS-12G (480-80176-12). Methylene Chloride is a common lab contaminant. The detections in the samples are consistent with the levels in the QC and therefore can be concluded that the sample detections are a lab artifact of contamination. Data has been qualified.

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

#### GC/MS Semi VOA

Method(s) 8270D: The following samples were diluted due to the nature of the sample matrix : CTS-1C (480-80176-1), CTS-2C (480-80176-2) and CTS-3C (480-80176-3). As such, surrogate recoveries are below the calibration range, and elevated reporting limits (RLs) are provided.

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

#### GC Semi VOA

Method(s) Lloyd Kahn: Please note that the reporting limit for Lloyd Kahn TOC analysis is a nominal value and does not reflect adjustments in sample mass processed on an individual basis. CTS-1C (480-80176-1), CTS-2C (480-80176-2) and CTS-3C (480-80176-3)

Method(s) 8081B: The following samples were diluted due to the nature of the sample matrix: (480-80176-A-1-A MS) and (480-80176-A-1-B MSD). As such, surrogate and MS/MSD spike recoveries were diluted out and are not reported.

Method(s) 8081B: The following sample were diluted due to the nature of the sample matrix: CTS-1C (480-80176-1), CTS-2C (480-80176-2) and CTS-3C (480-80176-3). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method(s) 8081B: The matrix spike / matrix spike duplicate (MS/MSD) precision for batch 242466 was outside control limits. Samples were diluted below RL due to matrix interferences. (480-80176-A-1-A MS) and (480-80176-A-1-B MSD).

Method(s) 8081B: All primary data for analytical batch 242738 is reported from the RTX-CLPII column.

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

#### Metals

Method(s) 6010C: The low level continuing calibration verification (CCVL 480-242568/31) for analytical batch 480-242568 contained total manganese above the upper quality control limit. All reported samples associated with this CCVL were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples CTS-1C (480-80176-1), CTS-2C (480-80176-2), CTS-3C (480-80176-3), (LCSSRM 480-242173/2-), (480-80176-C-1-B MS), (480-80176-C-1-C

## Case Narrative

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

### Job ID: 480-80176-1 (Continued)

#### Laboratory: TestAmerica Buffalo (Continued)

MSD) and (480-80176-C-1-A SD ^) was not performed.

Method(s) 6010C: The Serial Dilution (480-80176-C-1-A SD ^) in batch 480-242568, exhibited results outside the quality control limits for total barium and copper. However, the Post Digestion Spike was compliant so no corrective action was necessary.

Method(s) 6010C: The Serial Dilution and Post Spike (480-80176-C-1-A PDS) and (480-80176-C-1-A SD ^) exceeded the quality control limits for total manganese and zinc. Sample matrix is suspected, therefore, no corrective action was necessary.

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

#### General Chemistry

Method(s) 9045D: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute time frame: CTS-1C (480-80176-1), CTS-2C (480-80176-2) and CTS-3C (480-80176-3).

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

#### Organic Prep

Method(s) 3550C: The following samples required a Florisil clean-up, via EPA Method 3620C, to reduce matrix interferences: CTS-1C (480-80176-1), CTS-2C (480-80176-2), CTS-3C (480-80176-3), (480-80176-A-1 MS) and (480-80176-A-1 MSD).

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

# Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

## Client Sample ID: CTS-1C

## Lab Sample ID: 480-80176-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	5.2	J B	5.9	2.7	ug/Kg	1	☼	8260C	Total/NA
Benzo(a)anthracene	770	J	4000	400	ug/Kg	20	☼	8270D	Total/NA
Fluoranthene	1100	J	4000	420	ug/Kg	20	☼	8270D	Total/NA
Pyrene	950	J	4000	470	ug/Kg	20	☼	8270D	Total/NA
delta-BHC	51	J	98	18	ug/Kg	50	☼	8081B	Total/NA
Arsenic	4.7	F1	2.4	0.48	mg/Kg	1	☼	6010C	Total/NA
Barium	62.6	F1	0.59	0.13	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.50	F1	0.24	0.033	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.68	F1	0.24	0.036	mg/Kg	1	☼	6010C	Total/NA
Chromium	13.8	F1	0.59	0.24	mg/Kg	1	☼	6010C	Total/NA
Copper	173	F1	1.2	0.25	mg/Kg	1	☼	6010C	Total/NA
Lead	65.3	F2 F1	1.2	0.29	mg/Kg	1	☼	6010C	Total/NA
Manganese	281	^ F2 F1 B	0.24	0.038	mg/Kg	1	☼	6010C	Total/NA
Nickel	12.6	F1	5.9	0.27	mg/Kg	1	☼	6010C	Total/NA
Zinc	94.4	F1 B	2.4	0.18	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.080	F1	0.022	0.0088	mg/Kg	1	☼	7471B	Total/NA
Total Organic Carbon	16900		1190	105	mg/Kg	1	☼	Lloyd Kahn	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
pH	7.67	HF	0.100	0.100	SU	1		9045D	Total/NA

## Client Sample ID: CTS-2C

## Lab Sample ID: 480-80176-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	4.4	J B	5.7	2.6	ug/Kg	1	☼	8260C	Total/NA
Benzo(a)anthracene	960	J	4000	400	ug/Kg	20	☼	8270D	Total/NA
Benzo(a)pyrene	790	J	4000	590	ug/Kg	20	☼	8270D	Total/NA
Benzo(b)fluoranthene	1100	J	4000	640	ug/Kg	20	☼	8270D	Total/NA
Fluoranthene	1500	J	4000	430	ug/Kg	20	☼	8270D	Total/NA
Phenanthrene	1000	J	4000	590	ug/Kg	20	☼	8270D	Total/NA
Pyrene	1200	J	4000	470	ug/Kg	20	☼	8270D	Total/NA
Arsenic	5.6		2.4	0.48	mg/Kg	1	☼	6010C	Total/NA
Barium	79.1		0.59	0.13	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.47		0.24	0.033	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.42		0.24	0.036	mg/Kg	1	☼	6010C	Total/NA
Chromium	14.7		0.59	0.24	mg/Kg	1	☼	6010C	Total/NA
Copper	25.1		1.2	0.25	mg/Kg	1	☼	6010C	Total/NA
Lead	73.1		1.2	0.29	mg/Kg	1	☼	6010C	Total/NA
Manganese	309	^ B	0.24	0.038	mg/Kg	1	☼	6010C	Total/NA
Nickel	15.5		5.9	0.27	mg/Kg	1	☼	6010C	Total/NA
Zinc	93.8	B	2.4	0.18	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.14		0.023	0.0093	mg/Kg	1	☼	7471B	Total/NA
Total Organic Carbon	21300		1180	105	mg/Kg	1	☼	Lloyd Kahn	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
pH	7.43	HF	0.100	0.100	SU	1		9045D	Total/NA

## Client Sample ID: CTS-3C

## Lab Sample ID: 480-80176-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	4.7	J B	6.2	2.8	ug/Kg	1	☼	8260C	Total/NA
Arsenic	4.9		2.4	0.47	mg/Kg	1	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

# Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

## Client Sample ID: CTS-3C (Continued)

## Lab Sample ID: 480-80176-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Barium	119		0.59	0.13	mg/Kg	1		✱	6010C	Total/NA
Beryllium	0.65		0.24	0.033	mg/Kg	1		✱	6010C	Total/NA
Cadmium	0.40		0.24	0.035	mg/Kg	1		✱	6010C	Total/NA
Chromium	17.4		0.59	0.24	mg/Kg	1		✱	6010C	Total/NA
Copper	20.9		1.2	0.25	mg/Kg	1		✱	6010C	Total/NA
Lead	47.7		1.2	0.28	mg/Kg	1		✱	6010C	Total/NA
Manganese	224	^ B	0.24	0.038	mg/Kg	1		✱	6010C	Total/NA
Nickel	18.2		5.9	0.27	mg/Kg	1		✱	6010C	Total/NA
Zinc	98.8	B	2.4	0.18	mg/Kg	1		✱	6010C	Total/NA
Mercury	0.11		0.024	0.0096	mg/Kg	1		✱	7471B	Total/NA
Total Organic Carbon	24500		1240	110	mg/Kg	1		✱	Lloyd Kahn	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil	Fac	D	Method	Prep Type
pH	7.31	HF	0.100	0.100	SU	1			9045D	Total/NA

## Client Sample ID: CTS-4G

## Lab Sample ID: 480-80176-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Chloroform	0.80	J	5.7	0.35	ug/Kg	1		✱	8260C	Total/NA
Methylene Chloride	6.5	B	5.7	2.6	ug/Kg	1		✱	8260C	Total/NA
Toluene	1.1	J	5.7	0.43	ug/Kg	1		✱	8260C	Total/NA

## Client Sample ID: CTS-5G

## Lab Sample ID: 480-80176-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Chloroform	0.80	J	6.2	0.39	ug/Kg	1		✱	8260C	Total/NA
Methylene Chloride	8.0	B	6.2	2.9	ug/Kg	1		✱	8260C	Total/NA

## Client Sample ID: CTS-6G

## Lab Sample ID: 480-80176-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Chloroform	1.1	J	6.3	0.39	ug/Kg	1		✱	8260C	Total/NA
Ethylbenzene	0.43	J	6.3	0.43	ug/Kg	1		✱	8260C	Total/NA
Methylene Chloride	13	B	6.3	2.9	ug/Kg	1		✱	8260C	Total/NA
Toluene	3.7	J	6.3	0.47	ug/Kg	1		✱	8260C	Total/NA

## Client Sample ID: CTS-7G

## Lab Sample ID: 480-80176-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Chloroform	0.68	J	5.9	0.36	ug/Kg	1		✱	8260C	Total/NA
Methylene Chloride	6.7	B	5.9	2.7	ug/Kg	1		✱	8260C	Total/NA
Toluene	1.1	J	5.9	0.44	ug/Kg	1		✱	8260C	Total/NA

## Client Sample ID: CTS-8G

## Lab Sample ID: 480-80176-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Chloroform	0.84	J	5.8	0.36	ug/Kg	1		✱	8260C	Total/NA
Methylene Chloride	5.8	B	5.8	2.7	ug/Kg	1		✱	8260C	Total/NA
Toluene	0.72	J	5.8	0.44	ug/Kg	1		✱	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

## Detection Summary

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

### Client Sample ID: CTS-9G

### Lab Sample ID: 480-80176-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Chloroform	0.76	J	5.8	0.36	ug/Kg	1		✖	8260C	Total/NA
Methylene Chloride	4.0	J B	5.8	2.6	ug/Kg	1		✖	8260C	Total/NA

### Client Sample ID: CTS-10G

### Lab Sample ID: 480-80176-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Chloroform	0.75	J	5.9	0.37	ug/Kg	1		✖	8260C	Total/NA
Methylene Chloride	2.9	J B	5.9	2.7	ug/Kg	1		✖	8260C	Total/NA

### Client Sample ID: CTS-11G

### Lab Sample ID: 480-80176-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Chloroform	0.93	J	5.9	0.37	ug/Kg	1		✖	8260C	Total/NA
Methylene Chloride	6.8	B	5.9	2.7	ug/Kg	1		✖	8260C	Total/NA

### Client Sample ID: CTS-12G

### Lab Sample ID: 480-80176-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Chloroform	1.2	J	6.6	0.41	ug/Kg	1		✖	8260C	Total/NA
Methylene Chloride	8.5	B	6.6	3.1	ug/Kg	1		✖	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

**Client Sample ID: CTS-1C**

**Date Collected: 05/12/15 00:00**

**Date Received: 05/12/15 15:15**

**Lab Sample ID: 480-80176-1**

**Matrix: Solid**

**Percent Solids: 84.1**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.9	0.43	ug/Kg	☼	05/15/15 16:06	05/16/15 16:11	1
1,1-Dichloroethane	ND		5.9	0.72	ug/Kg	☼	05/15/15 16:06	05/16/15 16:11	1
1,1-Dichloroethene	ND		5.9	0.72	ug/Kg	☼	05/15/15 16:06	05/16/15 16:11	1
1,2-Dichlorobenzene	ND		5.9	0.46	ug/Kg	☼	05/15/15 16:06	05/16/15 16:11	1
1,2-Dichloroethane	ND		5.9	0.29	ug/Kg	☼	05/15/15 16:06	05/16/15 16:11	1
1,2-Dichloroethene, cis-	ND		5.9	0.75	ug/Kg	☼	05/15/15 16:06	05/16/15 16:11	1
1,2-Dichloroethene, trans-	ND		5.9	0.61	ug/Kg	☼	05/15/15 16:06	05/16/15 16:11	1
1,3-Dichlorobenzene	ND		5.9	0.30	ug/Kg	☼	05/15/15 16:06	05/16/15 16:11	1
1,4-Dichlorobenzene	ND		5.9	0.82	ug/Kg	☼	05/15/15 16:06	05/16/15 16:11	1
1,4-Dioxane	ND		120	26	ug/Kg	☼	05/15/15 16:06	05/16/15 16:11	1
Acetone	ND		29	4.9	ug/Kg	☼	05/15/15 16:06	05/16/15 16:11	1
Benzene	ND		5.9	0.29	ug/Kg	☼	05/15/15 16:06	05/16/15 16:11	1
Butylbenzene	ND		5.9	0.51	ug/Kg	☼	05/15/15 16:06	05/16/15 16:11	1
Carbon tetrachloride	ND		5.9	0.57	ug/Kg	☼	05/15/15 16:06	05/16/15 16:11	1
Chlorobenzene	ND		5.9	0.77	ug/Kg	☼	05/15/15 16:06	05/16/15 16:11	1
Chloroform	ND		5.9	0.36	ug/Kg	☼	05/15/15 16:06	05/16/15 16:11	1
Ethylbenzene	ND		5.9	0.40	ug/Kg	☼	05/15/15 16:06	05/16/15 16:11	1
Methyl Ethyl Ketone	ND		29	2.1	ug/Kg	☼	05/15/15 16:06	05/16/15 16:11	1
Methyl tert-butyl ether	ND		5.9	0.58	ug/Kg	☼	05/15/15 16:06	05/16/15 16:11	1
<b>Methylene Chloride</b>	<b>5.2</b>	<b>J B</b>	5.9	2.7	ug/Kg	☼	05/15/15 16:06	05/16/15 16:11	1
Propylbenzene, n-	ND		5.9	0.47	ug/Kg	☼	05/15/15 16:06	05/16/15 16:11	1
sec-Butylbenzene	ND		5.9	0.51	ug/Kg	☼	05/15/15 16:06	05/16/15 16:11	1
tert-Butylbenzene	ND		5.9	0.61	ug/Kg	☼	05/15/15 16:06	05/16/15 16:11	1
Tetrachloroethene	ND		5.9	0.79	ug/Kg	☼	05/15/15 16:06	05/16/15 16:11	1
Toluene	ND		5.9	0.44	ug/Kg	☼	05/15/15 16:06	05/16/15 16:11	1
Trichloroethene	ND		5.9	1.3	ug/Kg	☼	05/15/15 16:06	05/16/15 16:11	1
Trimethylbenzene, 1,2,4-	ND		5.9	1.1	ug/Kg	☼	05/15/15 16:06	05/16/15 16:11	1
Trimethylbenzene, 1,3,5-	ND		5.9	0.38	ug/Kg	☼	05/15/15 16:06	05/16/15 16:11	1
Vinyl chloride	ND		5.9	0.72	ug/Kg	☼	05/15/15 16:06	05/16/15 16:11	1
Xylene (mixed)	ND		12	0.98	ug/Kg	☼	05/15/15 16:06	05/16/15 16:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		64 - 126	05/15/15 16:06	05/16/15 16:11	1
4-Bromofluorobenzene (Surr)	92		72 - 126	05/15/15 16:06	05/16/15 16:11	1
Toluene-d8 (Surr)	104		71 - 125	05/15/15 16:06	05/16/15 16:11	1
Dibromofluoromethane (Surr)	102		60 - 140	05/15/15 16:06	05/16/15 16:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		4000	580	ug/Kg	☼	05/14/15 14:33	05/15/15 16:00	20
Acenaphthylene	ND		4000	510	ug/Kg	☼	05/14/15 14:33	05/15/15 16:00	20
Anthracene	ND		4000	980	ug/Kg	☼	05/14/15 14:33	05/15/15 16:00	20
<b>Benzo(a)anthracene</b>	<b>770</b>	<b>J</b>	4000	400	ug/Kg	☼	05/14/15 14:33	05/15/15 16:00	20
Benzo(a)pyrene	ND		4000	580	ug/Kg	☼	05/14/15 14:33	05/15/15 16:00	20
Benzo(b)fluoranthene	ND		4000	630	ug/Kg	☼	05/14/15 14:33	05/15/15 16:00	20
Benzo(g,h,i)perylene	ND		4000	420	ug/Kg	☼	05/14/15 14:33	05/15/15 16:00	20
Benzo(k)fluoranthene	ND		4000	510	ug/Kg	☼	05/14/15 14:33	05/15/15 16:00	20
Chrysene	ND		4000	890	ug/Kg	☼	05/14/15 14:33	05/15/15 16:00	20
Dibenz(a,h)anthracene	ND		4000	700	ug/Kg	☼	05/14/15 14:33	05/15/15 16:00	20
Dibenzofuran	ND		4000	470	ug/Kg	☼	05/14/15 14:33	05/15/15 16:00	20

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

**Client Sample ID: CTS-1C**

**Date Collected: 05/12/15 00:00**

**Date Received: 05/12/15 15:15**

**Lab Sample ID: 480-80176-1**

**Matrix: Solid**

**Percent Solids: 84.1**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Fluoranthene</b>	<b>1100</b>	<b>J</b>	4000	420	ug/Kg	☼	05/14/15 14:33	05/15/15 16:00	20
Fluorene	ND		4000	470	ug/Kg	☼	05/14/15 14:33	05/15/15 16:00	20
Hexachlorobenzene	ND		4000	540	ug/Kg	☼	05/14/15 14:33	05/15/15 16:00	20
Indeno(1,2,3-cd)pyrene	ND		4000	490	ug/Kg	☼	05/14/15 14:33	05/15/15 16:00	20
Naphthalene	ND		4000	510	ug/Kg	☼	05/14/15 14:33	05/15/15 16:00	20
o-Cresol	ND		4000	470	ug/Kg	☼	05/14/15 14:33	05/15/15 16:00	20
p-Cresol	ND		7700	470	ug/Kg	☼	05/14/15 14:33	05/15/15 16:00	20
Pentachlorophenol	ND		7700	4000	ug/Kg	☼	05/14/15 14:33	05/15/15 16:00	20
Phenanthrene	ND		4000	580	ug/Kg	☼	05/14/15 14:33	05/15/15 16:00	20
Phenol	ND		4000	610	ug/Kg	☼	05/14/15 14:33	05/15/15 16:00	20
<b>Pyrene</b>	<b>950</b>	<b>J</b>	4000	470	ug/Kg	☼	05/14/15 14:33	05/15/15 16:00	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	0	X	39 - 146	05/14/15 14:33	05/15/15 16:00	20
2-Fluorobiphenyl	79		37 - 120	05/14/15 14:33	05/15/15 16:00	20
2-Fluorophenol	63		18 - 120	05/14/15 14:33	05/15/15 16:00	20
Nitrobenzene-d5	70		34 - 132	05/14/15 14:33	05/15/15 16:00	20
Phenol-d5	63		11 - 120	05/14/15 14:33	05/15/15 16:00	20
p-Terphenyl-d14 (Surr)	90		65 - 153	05/14/15 14:33	05/15/15 16:00	20

## Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND	F1	98	19	ug/Kg	☼	05/14/15 14:23	05/15/15 18:41	50
4,4'-DDE	ND		98	21	ug/Kg	☼	05/14/15 14:23	05/15/15 18:41	50
4,4'-DDT	ND		98	23	ug/Kg	☼	05/14/15 14:23	05/15/15 18:41	50
Aldrin	ND		98	24	ug/Kg	☼	05/14/15 14:23	05/15/15 18:41	50
alpha-BHC	ND	F1	98	18	ug/Kg	☼	05/14/15 14:23	05/15/15 18:41	50
beta-BHC	ND	F1	98	18	ug/Kg	☼	05/14/15 14:23	05/15/15 18:41	50
Chlordane (.alpha.)	ND		98	49	ug/Kg	☼	05/14/15 14:23	05/15/15 18:41	50
<b>delta-BHC</b>	<b>51</b>	<b>J</b>	98	18	ug/Kg	☼	05/14/15 14:23	05/15/15 18:41	50
Dieldrin	ND		98	24	ug/Kg	☼	05/14/15 14:23	05/15/15 18:41	50
Endosulfan I	ND	F1	98	19	ug/Kg	☼	05/14/15 14:23	05/15/15 18:41	50
Endosulfan II	ND	F1	98	18	ug/Kg	☼	05/14/15 14:23	05/15/15 18:41	50
Endosulfan sulfate	ND	F1	98	18	ug/Kg	☼	05/14/15 14:23	05/15/15 18:41	50
Endrin	ND	F1	98	19	ug/Kg	☼	05/14/15 14:23	05/15/15 18:41	50
Heptachlor	ND		98	21	ug/Kg	☼	05/14/15 14:23	05/15/15 18:41	50
Lindane	ND	F1	98	18	ug/Kg	☼	05/14/15 14:23	05/15/15 18:41	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	X	32 - 136	05/14/15 14:23	05/15/15 18:41	50
DCB Decachlorobiphenyl	0	X	32 - 136	05/14/15 14:23	05/15/15 18:41	50
Tetrachloro-m-xylene	0	X	30 - 124	05/14/15 14:23	05/15/15 18:41	50
Tetrachloro-m-xylene	0	X	30 - 124	05/14/15 14:23	05/15/15 18:41	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.049	mg/Kg	☼	05/15/15 12:43	05/16/15 12:54	1
PCB-1221	ND		0.25	0.049	mg/Kg	☼	05/15/15 12:43	05/16/15 12:54	1
PCB-1232	ND		0.25	0.049	mg/Kg	☼	05/15/15 12:43	05/16/15 12:54	1
PCB-1242	ND		0.25	0.049	mg/Kg	☼	05/15/15 12:43	05/16/15 12:54	1

TestAmerica Buffalo



# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

**Client Sample ID: CTS-1C**

**Date Collected: 05/12/15 00:00**

**Date Received: 05/12/15 15:15**

**Lab Sample ID: 480-80176-1**

**Matrix: Solid**

**Percent Solids: 84.1**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	ND		0.25	0.049	mg/Kg	☼	05/15/15 12:43	05/16/15 12:54	1
PCB-1254	ND		0.25	0.12	mg/Kg	☼	05/15/15 12:43	05/16/15 12:54	1
PCB-1260	ND		0.25	0.12	mg/Kg	☼	05/15/15 12:43	05/16/15 12:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	97		60 - 154	05/15/15 12:43	05/16/15 12:54	1
Tetrachloro-m-xylene	94		60 - 154	05/15/15 12:43	05/16/15 12:54	1
DCB Decachlorobiphenyl	81		65 - 174	05/15/15 12:43	05/16/15 12:54	1
DCB Decachlorobiphenyl	92		65 - 174	05/15/15 12:43	05/16/15 12:54	1

## Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-TP (Silvex)	ND		20	7.0	ug/Kg	☼	05/15/15 08:38	05/19/15 20:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	74		28 - 129	05/15/15 08:38	05/19/15 20:16	1
DCAA	84		28 - 129	05/15/15 08:38	05/19/15 20:16	1

## Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.7	F1	2.4	0.48	mg/Kg	☼	05/13/15 15:12	05/14/15 23:36	1
Barium	62.6	F1	0.59	0.13	mg/Kg	☼	05/13/15 15:12	05/14/15 23:36	1
Beryllium	0.50	F1	0.24	0.033	mg/Kg	☼	05/13/15 15:12	05/14/15 23:36	1
Cadmium	0.68	F1	0.24	0.036	mg/Kg	☼	05/13/15 15:12	05/14/15 23:36	1
Chromium	13.8	F1	0.59	0.24	mg/Kg	☼	05/13/15 15:12	05/14/15 23:36	1
Copper	173	F1	1.2	0.25	mg/Kg	☼	05/13/15 15:12	05/14/15 23:36	1
Lead	65.3	F2 F1	1.2	0.29	mg/Kg	☼	05/13/15 15:12	05/14/15 23:36	1
Manganese	281	^ F2 F1 B	0.24	0.038	mg/Kg	☼	05/13/15 15:12	05/14/15 23:36	1
Nickel	12.6	F1	5.9	0.27	mg/Kg	☼	05/13/15 15:12	05/14/15 23:36	1
Selenium	ND	F1	4.8	0.48	mg/Kg	☼	05/13/15 15:12	05/14/15 23:36	1
Silver	ND	F1	0.71	0.24	mg/Kg	☼	05/13/15 15:12	05/14/15 23:36	1
Zinc	94.4	F1 B	2.4	0.18	mg/Kg	☼	05/13/15 15:12	05/14/15 23:36	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	0.080	F1	0.022	0.0088	mg/Kg	☼	05/18/15 14:30	05/18/15 16:29	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		1.2	0.57	mg/Kg	☼	05/14/15 14:25	05/14/15 20:07	1
Total Organic Carbon	16900		1190	105	mg/Kg	☼		05/15/15 16:41	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.67	HF	0.100	0.100	SU	—		05/13/15 10:50	1

**Client Sample ID: CTS-2C**

**Date Collected: 05/12/15 00:00**

**Date Received: 05/12/15 15:15**

**Lab Sample ID: 480-80176-2**

**Matrix: Solid**

**Percent Solids: 84.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.7	0.41	ug/Kg	☼	05/15/15 16:06	05/16/15 16:37	1

TestAmerica Buffalo



# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

**Client Sample ID: CTS-2C**

**Date Collected: 05/12/15 00:00**

**Date Received: 05/12/15 15:15**

**Lab Sample ID: 480-80176-2**

**Matrix: Solid**

**Percent Solids: 84.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		5.7	0.70	ug/Kg	☼	05/15/15 16:06	05/16/15 16:37	1
1,1-Dichloroethene	ND		5.7	0.70	ug/Kg	☼	05/15/15 16:06	05/16/15 16:37	1
1,2-Dichlorobenzene	ND		5.7	0.45	ug/Kg	☼	05/15/15 16:06	05/16/15 16:37	1
1,2-Dichloroethane	ND		5.7	0.29	ug/Kg	☼	05/15/15 16:06	05/16/15 16:37	1
1,2-Dichloroethene, cis-	ND		5.7	0.73	ug/Kg	☼	05/15/15 16:06	05/16/15 16:37	1
1,2-Dichloroethene, trans-	ND		5.7	0.59	ug/Kg	☼	05/15/15 16:06	05/16/15 16:37	1
1,3-Dichlorobenzene	ND		5.7	0.29	ug/Kg	☼	05/15/15 16:06	05/16/15 16:37	1
1,4-Dichlorobenzene	ND		5.7	0.80	ug/Kg	☼	05/15/15 16:06	05/16/15 16:37	1
1,4-Dioxane	ND		110	25	ug/Kg	☼	05/15/15 16:06	05/16/15 16:37	1
Acetone	ND		29	4.8	ug/Kg	☼	05/15/15 16:06	05/16/15 16:37	1
Benzene	ND		5.7	0.28	ug/Kg	☼	05/15/15 16:06	05/16/15 16:37	1
Butylbenzene	ND		5.7	0.50	ug/Kg	☼	05/15/15 16:06	05/16/15 16:37	1
Carbon tetrachloride	ND		5.7	0.55	ug/Kg	☼	05/15/15 16:06	05/16/15 16:37	1
Chlorobenzene	ND		5.7	0.75	ug/Kg	☼	05/15/15 16:06	05/16/15 16:37	1
Chloroform	ND		5.7	0.35	ug/Kg	☼	05/15/15 16:06	05/16/15 16:37	1
Ethylbenzene	ND		5.7	0.39	ug/Kg	☼	05/15/15 16:06	05/16/15 16:37	1
Methyl Ethyl Ketone	ND		29	2.1	ug/Kg	☼	05/15/15 16:06	05/16/15 16:37	1
Methyl tert-butyl ether	ND		5.7	0.56	ug/Kg	☼	05/15/15 16:06	05/16/15 16:37	1
<b>Methylene Chloride</b>	<b>4.4</b>	<b>J B</b>	5.7	2.6	ug/Kg	☼	05/15/15 16:06	05/16/15 16:37	1
Propylbenzene, n-	ND		5.7	0.46	ug/Kg	☼	05/15/15 16:06	05/16/15 16:37	1
sec-Butylbenzene	ND		5.7	0.50	ug/Kg	☼	05/15/15 16:06	05/16/15 16:37	1
tert-Butylbenzene	ND		5.7	0.59	ug/Kg	☼	05/15/15 16:06	05/16/15 16:37	1
Tetrachloroethene	ND		5.7	0.77	ug/Kg	☼	05/15/15 16:06	05/16/15 16:37	1
Toluene	ND		5.7	0.43	ug/Kg	☼	05/15/15 16:06	05/16/15 16:37	1
Trichloroethene	ND		5.7	1.3	ug/Kg	☼	05/15/15 16:06	05/16/15 16:37	1
Trimethylbenzene, 1,2,4-	ND		5.7	1.1	ug/Kg	☼	05/15/15 16:06	05/16/15 16:37	1
Trimethylbenzene, 1,3,5-	ND		5.7	0.37	ug/Kg	☼	05/15/15 16:06	05/16/15 16:37	1
Vinyl chloride	ND		5.7	0.70	ug/Kg	☼	05/15/15 16:06	05/16/15 16:37	1
Xylene (mixed)	ND		11	0.96	ug/Kg	☼	05/15/15 16:06	05/16/15 16:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		64 - 126				05/15/15 16:06	05/16/15 16:37	1
4-Bromofluorobenzene (Surr)	99		72 - 126				05/15/15 16:06	05/16/15 16:37	1
Toluene-d8 (Surr)	103		71 - 125				05/15/15 16:06	05/16/15 16:37	1
Dibromofluoromethane (Surr)	102		60 - 140				05/15/15 16:06	05/16/15 16:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		4000	590	ug/Kg	☼	05/14/15 14:33	05/15/15 16:26	20
Acenaphthylene	ND		4000	520	ug/Kg	☼	05/14/15 14:33	05/15/15 16:26	20
Anthracene	ND		4000	990	ug/Kg	☼	05/14/15 14:33	05/15/15 16:26	20
<b>Benzo(a)anthracene</b>	<b>960</b>	<b>J</b>	4000	400	ug/Kg	☼	05/14/15 14:33	05/15/15 16:26	20
<b>Benzo(a)pyrene</b>	<b>790</b>	<b>J</b>	4000	590	ug/Kg	☼	05/14/15 14:33	05/15/15 16:26	20
<b>Benzo(b)fluoranthene</b>	<b>1100</b>	<b>J</b>	4000	640	ug/Kg	☼	05/14/15 14:33	05/15/15 16:26	20
Benzo(g,h,i)perylene	ND		4000	430	ug/Kg	☼	05/14/15 14:33	05/15/15 16:26	20
Benzo(k)fluoranthene	ND		4000	520	ug/Kg	☼	05/14/15 14:33	05/15/15 16:26	20
Chrysene	ND		4000	900	ug/Kg	☼	05/14/15 14:33	05/15/15 16:26	20
Dibenz(a,h)anthracene	ND		4000	710	ug/Kg	☼	05/14/15 14:33	05/15/15 16:26	20
Dibenzofuran	ND		4000	470	ug/Kg	☼	05/14/15 14:33	05/15/15 16:26	20
<b>Fluoranthene</b>	<b>1500</b>	<b>J</b>	4000	430	ug/Kg	☼	05/14/15 14:33	05/15/15 16:26	20

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# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

**Client Sample ID: CTS-2C**

**Date Collected: 05/12/15 00:00**

**Date Received: 05/12/15 15:15**

**Lab Sample ID: 480-80176-2**

**Matrix: Solid**

**Percent Solids: 84.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		4000	470	ug/Kg	☼	05/14/15 14:33	05/15/15 16:26	20
Hexachlorobenzene	ND		4000	540	ug/Kg	☼	05/14/15 14:33	05/15/15 16:26	20
Indeno(1,2,3-cd)pyrene	ND		4000	500	ug/Kg	☼	05/14/15 14:33	05/15/15 16:26	20
Naphthalene	ND		4000	520	ug/Kg	☼	05/14/15 14:33	05/15/15 16:26	20
o-Cresol	ND		4000	470	ug/Kg	☼	05/14/15 14:33	05/15/15 16:26	20
p-Cresol	ND		7800	470	ug/Kg	☼	05/14/15 14:33	05/15/15 16:26	20
Pentachlorophenol	ND		7800	4000	ug/Kg	☼	05/14/15 14:33	05/15/15 16:26	20
Phenanthrene	1000	J	4000	590	ug/Kg	☼	05/14/15 14:33	05/15/15 16:26	20
Phenol	ND		4000	610	ug/Kg	☼	05/14/15 14:33	05/15/15 16:26	20
Pyrene	1200	J	4000	470	ug/Kg	☼	05/14/15 14:33	05/15/15 16:26	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	0	X	39 - 146	05/14/15 14:33	05/15/15 16:26	20
2-Fluorobiphenyl	68		37 - 120	05/14/15 14:33	05/15/15 16:26	20
2-Fluorophenol	66		18 - 120	05/14/15 14:33	05/15/15 16:26	20
Nitrobenzene-d5	73		34 - 132	05/14/15 14:33	05/15/15 16:26	20
Phenol-d5	67		11 - 120	05/14/15 14:33	05/15/15 16:26	20
p-Terphenyl-d14 (Surr)	81		65 - 153	05/14/15 14:33	05/15/15 16:26	20

## Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		97	19	ug/Kg	☼	05/14/15 14:23	05/15/15 19:00	50
4,4'-DDE	ND		97	20	ug/Kg	☼	05/14/15 14:23	05/15/15 19:00	50
4,4'-DDT	ND		97	23	ug/Kg	☼	05/14/15 14:23	05/15/15 19:00	50
Aldrin	ND		97	24	ug/Kg	☼	05/14/15 14:23	05/15/15 19:00	50
alpha-BHC	ND		97	18	ug/Kg	☼	05/14/15 14:23	05/15/15 19:00	50
beta-BHC	ND		97	18	ug/Kg	☼	05/14/15 14:23	05/15/15 19:00	50
Chlordane (.alpha.)	ND		97	48	ug/Kg	☼	05/14/15 14:23	05/15/15 19:00	50
delta-BHC	ND		97	18	ug/Kg	☼	05/14/15 14:23	05/15/15 19:00	50
Dieldrin	ND		97	23	ug/Kg	☼	05/14/15 14:23	05/15/15 19:00	50
Endosulfan I	ND		97	19	ug/Kg	☼	05/14/15 14:23	05/15/15 19:00	50
Endosulfan II	ND		97	18	ug/Kg	☼	05/14/15 14:23	05/15/15 19:00	50
Endosulfan sulfate	ND		97	18	ug/Kg	☼	05/14/15 14:23	05/15/15 19:00	50
Endrin	ND		97	19	ug/Kg	☼	05/14/15 14:23	05/15/15 19:00	50
Heptachlor	ND		97	21	ug/Kg	☼	05/14/15 14:23	05/15/15 19:00	50
Lindane	ND		97	18	ug/Kg	☼	05/14/15 14:23	05/15/15 19:00	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	X	32 - 136	05/14/15 14:23	05/15/15 19:00	50
DCB Decachlorobiphenyl	0	X	32 - 136	05/14/15 14:23	05/15/15 19:00	50
Tetrachloro-m-xylene	0	X	30 - 124	05/14/15 14:23	05/15/15 19:00	50
Tetrachloro-m-xylene	0	X	30 - 124	05/14/15 14:23	05/15/15 19:00	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.20	0.039	mg/Kg	☼	05/15/15 12:43	05/16/15 13:10	1
PCB-1221	ND		0.20	0.039	mg/Kg	☼	05/15/15 12:43	05/16/15 13:10	1
PCB-1232	ND		0.20	0.039	mg/Kg	☼	05/15/15 12:43	05/16/15 13:10	1
PCB-1242	ND		0.20	0.039	mg/Kg	☼	05/15/15 12:43	05/16/15 13:10	1
PCB-1248	ND		0.20	0.039	mg/Kg	☼	05/15/15 12:43	05/16/15 13:10	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

**Client Sample ID: CTS-2C**

**Date Collected: 05/12/15 00:00**

**Date Received: 05/12/15 15:15**

**Lab Sample ID: 480-80176-2**

**Matrix: Solid**

**Percent Solids: 84.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	ND		0.20	0.094	mg/Kg	☼	05/15/15 12:43	05/16/15 13:10	1
PCB-1260	ND		0.20	0.094	mg/Kg	☼	05/15/15 12:43	05/16/15 13:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	93		60 - 154				05/15/15 12:43	05/16/15 13:10	1
Tetrachloro-m-xylene	90		60 - 154				05/15/15 12:43	05/16/15 13:10	1
DCB Decachlorobiphenyl	70		65 - 174				05/15/15 12:43	05/16/15 13:10	1
DCB Decachlorobiphenyl	79		65 - 174				05/15/15 12:43	05/16/15 13:10	1

## Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-TP (Silvex)	ND		19	7.0	ug/Kg	☼	05/15/15 08:38	05/19/15 20:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCAA	63		28 - 129				05/15/15 08:38	05/19/15 20:46	1
DCAA	85		28 - 129				05/15/15 08:38	05/19/15 20:46	1

## Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.6		2.4	0.48	mg/Kg	☼	05/13/15 15:12	05/14/15 23:49	1
Barium	79.1		0.59	0.13	mg/Kg	☼	05/13/15 15:12	05/14/15 23:49	1
Beryllium	0.47		0.24	0.033	mg/Kg	☼	05/13/15 15:12	05/14/15 23:49	1
Cadmium	0.42		0.24	0.036	mg/Kg	☼	05/13/15 15:12	05/14/15 23:49	1
Chromium	14.7		0.59	0.24	mg/Kg	☼	05/13/15 15:12	05/14/15 23:49	1
Copper	25.1		1.2	0.25	mg/Kg	☼	05/13/15 15:12	05/14/15 23:49	1
Lead	73.1		1.2	0.29	mg/Kg	☼	05/13/15 15:12	05/14/15 23:49	1
Manganese	309 ^ B		0.24	0.038	mg/Kg	☼	05/13/15 15:12	05/14/15 23:49	1
Nickel	15.5		5.9	0.27	mg/Kg	☼	05/13/15 15:12	05/14/15 23:49	1
Selenium	ND		4.8	0.48	mg/Kg	☼	05/13/15 15:12	05/14/15 23:49	1
Silver	ND		0.71	0.24	mg/Kg	☼	05/13/15 15:12	05/14/15 23:49	1
Zinc	93.8 B		2.4	0.18	mg/Kg	☼	05/13/15 15:12	05/14/15 23:49	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	0.14		0.023	0.0093	mg/Kg	☼	05/18/15 14:30	05/18/15 16:37	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		1.2	0.57	mg/Kg	☼	05/14/15 14:25	05/14/15 20:08	1
Total Organic Carbon	21300		1180	105	mg/Kg	☼		05/15/15 17:08	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.43	HF	0.100	0.100	SU	—		05/13/15 10:50	1

**Client Sample ID: CTS-3C**

**Date Collected: 05/12/15 00:00**

**Date Received: 05/12/15 15:15**

**Lab Sample ID: 480-80176-3**

**Matrix: Solid**

**Percent Solids: 80.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		6.2	0.45	ug/Kg	☼	05/15/15 16:06	05/16/15 17:03	1
1,1-Dichloroethane	ND		6.2	0.75	ug/Kg	☼	05/15/15 16:06	05/16/15 17:03	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

**Client Sample ID: CTS-3C**

**Date Collected: 05/12/15 00:00**

**Date Received: 05/12/15 15:15**

**Lab Sample ID: 480-80176-3**

**Matrix: Solid**

**Percent Solids: 80.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		6.2	0.76	ug/Kg	☼	05/15/15 16:06	05/16/15 17:03	1
1,2-Dichlorobenzene	ND		6.2	0.48	ug/Kg	☼	05/15/15 16:06	05/16/15 17:03	1
1,2-Dichloroethane	ND		6.2	0.31	ug/Kg	☼	05/15/15 16:06	05/16/15 17:03	1
1,2-Dichloroethene, cis-	ND		6.2	0.79	ug/Kg	☼	05/15/15 16:06	05/16/15 17:03	1
1,2-Dichloroethene, trans-	ND		6.2	0.64	ug/Kg	☼	05/15/15 16:06	05/16/15 17:03	1
1,3-Dichlorobenzene	ND		6.2	0.32	ug/Kg	☼	05/15/15 16:06	05/16/15 17:03	1
1,4-Dichlorobenzene	ND		6.2	0.87	ug/Kg	☼	05/15/15 16:06	05/16/15 17:03	1
1,4-Dioxane	ND		120	27	ug/Kg	☼	05/15/15 16:06	05/16/15 17:03	1
Acetone	ND		31	5.2	ug/Kg	☼	05/15/15 16:06	05/16/15 17:03	1
Benzene	ND		6.2	0.30	ug/Kg	☼	05/15/15 16:06	05/16/15 17:03	1
Butylbenzene	ND		6.2	0.54	ug/Kg	☼	05/15/15 16:06	05/16/15 17:03	1
Carbon tetrachloride	ND		6.2	0.60	ug/Kg	☼	05/15/15 16:06	05/16/15 17:03	1
Chlorobenzene	ND		6.2	0.82	ug/Kg	☼	05/15/15 16:06	05/16/15 17:03	1
Chloroform	ND		6.2	0.38	ug/Kg	☼	05/15/15 16:06	05/16/15 17:03	1
Ethylbenzene	ND		6.2	0.43	ug/Kg	☼	05/15/15 16:06	05/16/15 17:03	1
Methyl Ethyl Ketone	ND		31	2.3	ug/Kg	☼	05/15/15 16:06	05/16/15 17:03	1
Methyl tert-butyl ether	ND		6.2	0.61	ug/Kg	☼	05/15/15 16:06	05/16/15 17:03	1
<b>Methylene Chloride</b>	<b>4.7</b>	<b>J B</b>	6.2	2.8	ug/Kg	☼	05/15/15 16:06	05/16/15 17:03	1
Propylbenzene, n-	ND		6.2	0.49	ug/Kg	☼	05/15/15 16:06	05/16/15 17:03	1
sec-Butylbenzene	ND		6.2	0.54	ug/Kg	☼	05/15/15 16:06	05/16/15 17:03	1
tert-Butylbenzene	ND		6.2	0.64	ug/Kg	☼	05/15/15 16:06	05/16/15 17:03	1
Tetrachloroethene	ND		6.2	0.83	ug/Kg	☼	05/15/15 16:06	05/16/15 17:03	1
Toluene	ND		6.2	0.47	ug/Kg	☼	05/15/15 16:06	05/16/15 17:03	1
Trichloroethene	ND		6.2	1.4	ug/Kg	☼	05/15/15 16:06	05/16/15 17:03	1
Trimethylbenzene, 1,2,4-	ND		6.2	1.2	ug/Kg	☼	05/15/15 16:06	05/16/15 17:03	1
Trimethylbenzene, 1,3,5-	ND		6.2	0.40	ug/Kg	☼	05/15/15 16:06	05/16/15 17:03	1
Vinyl chloride	ND		6.2	0.75	ug/Kg	☼	05/15/15 16:06	05/16/15 17:03	1
Xylene (mixed)	ND		12	1.0	ug/Kg	☼	05/15/15 16:06	05/16/15 17:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		64 - 126	05/15/15 16:06	05/16/15 17:03	1
4-Bromofluorobenzene (Surr)	90		72 - 126	05/15/15 16:06	05/16/15 17:03	1
Toluene-d8 (Surr)	103		71 - 125	05/15/15 16:06	05/16/15 17:03	1
Dibromofluoromethane (Surr)	104		60 - 140	05/15/15 16:06	05/16/15 17:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		4200	620	ug/Kg	☼	05/14/15 14:33	05/15/15 16:52	20
Acenaphthylene	ND		4200	540	ug/Kg	☼	05/14/15 14:33	05/15/15 16:52	20
Anthracene	ND		4200	1000	ug/Kg	☼	05/14/15 14:33	05/15/15 16:52	20
Benzo(a)anthracene	ND		4200	420	ug/Kg	☼	05/14/15 14:33	05/15/15 16:52	20
Benzo(a)pyrene	ND		4200	620	ug/Kg	☼	05/14/15 14:33	05/15/15 16:52	20
Benzo(b)fluoranthene	ND		4200	670	ug/Kg	☼	05/14/15 14:33	05/15/15 16:52	20
Benzo(g,h,i)perylene	ND		4200	450	ug/Kg	☼	05/14/15 14:33	05/15/15 16:52	20
Benzo(k)fluoranthene	ND		4200	540	ug/Kg	☼	05/14/15 14:33	05/15/15 16:52	20
Chrysene	ND		4200	940	ug/Kg	☼	05/14/15 14:33	05/15/15 16:52	20
Dibenz(a,h)anthracene	ND		4200	740	ug/Kg	☼	05/14/15 14:33	05/15/15 16:52	20
Dibenzofuran	ND		4200	490	ug/Kg	☼	05/14/15 14:33	05/15/15 16:52	20
Fluoranthene	ND		4200	450	ug/Kg	☼	05/14/15 14:33	05/15/15 16:52	20
Fluorene	ND		4200	490	ug/Kg	☼	05/14/15 14:33	05/15/15 16:52	20

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

**Client Sample ID: CTS-3C**

**Date Collected: 05/12/15 00:00**

**Date Received: 05/12/15 15:15**

**Lab Sample ID: 480-80176-3**

**Matrix: Solid**

**Percent Solids: 80.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	ND		4200	570	ug/Kg	☼	05/14/15 14:33	05/15/15 16:52	20
Indeno(1,2,3-cd)pyrene	ND		4200	520	ug/Kg	☼	05/14/15 14:33	05/15/15 16:52	20
Naphthalene	ND		4200	540	ug/Kg	☼	05/14/15 14:33	05/15/15 16:52	20
o-Cresol	ND		4200	490	ug/Kg	☼	05/14/15 14:33	05/15/15 16:52	20
p-Cresol	ND		8200	490	ug/Kg	☼	05/14/15 14:33	05/15/15 16:52	20
Pentachlorophenol	ND		8200	4200	ug/Kg	☼	05/14/15 14:33	05/15/15 16:52	20
Phenanthrene	ND		4200	620	ug/Kg	☼	05/14/15 14:33	05/15/15 16:52	20
Phenol	ND		4200	640	ug/Kg	☼	05/14/15 14:33	05/15/15 16:52	20
Pyrene	ND		4200	490	ug/Kg	☼	05/14/15 14:33	05/15/15 16:52	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	0	X	39 - 146	05/14/15 14:33	05/15/15 16:52	20
2-Fluorobiphenyl	83		37 - 120	05/14/15 14:33	05/15/15 16:52	20
2-Fluorophenol	69		18 - 120	05/14/15 14:33	05/15/15 16:52	20
Nitrobenzene-d5	69		34 - 132	05/14/15 14:33	05/15/15 16:52	20
Phenol-d5	82		11 - 120	05/14/15 14:33	05/15/15 16:52	20
p-Terphenyl-d14 (Surr)	92		65 - 153	05/14/15 14:33	05/15/15 16:52	20

## Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		41	7.9	ug/Kg	☼	05/14/15 14:23	05/15/15 19:18	20
4,4'-DDE	ND		41	8.5	ug/Kg	☼	05/14/15 14:23	05/15/15 19:18	20
4,4'-DDT	ND		41	9.5	ug/Kg	☼	05/14/15 14:23	05/15/15 19:18	20
Aldrin	ND		41	10	ug/Kg	☼	05/14/15 14:23	05/15/15 19:18	20
alpha-BHC	ND		41	7.3	ug/Kg	☼	05/14/15 14:23	05/15/15 19:18	20
beta-BHC	ND		41	7.3	ug/Kg	☼	05/14/15 14:23	05/15/15 19:18	20
Chlordane (.alpha.)	ND		41	20	ug/Kg	☼	05/14/15 14:23	05/15/15 19:18	20
delta-BHC	ND		41	7.5	ug/Kg	☼	05/14/15 14:23	05/15/15 19:18	20
Dieldrin	ND		41	9.7	ug/Kg	☼	05/14/15 14:23	05/15/15 19:18	20
Endosulfan I	ND		41	7.8	ug/Kg	☼	05/14/15 14:23	05/15/15 19:18	20
Endosulfan II	ND		41	7.3	ug/Kg	☼	05/14/15 14:23	05/15/15 19:18	20
Endosulfan sulfate	ND		41	7.6	ug/Kg	☼	05/14/15 14:23	05/15/15 19:18	20
Endrin	ND		41	8.0	ug/Kg	☼	05/14/15 14:23	05/15/15 19:18	20
Heptachlor	ND		41	8.8	ug/Kg	☼	05/14/15 14:23	05/15/15 19:18	20
Lindane	ND		41	7.4	ug/Kg	☼	05/14/15 14:23	05/15/15 19:18	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	X	32 - 136	05/14/15 14:23	05/15/15 19:18	20
DCB Decachlorobiphenyl	0	X	32 - 136	05/14/15 14:23	05/15/15 19:18	20
Tetrachloro-m-xylene	197	X	30 - 124	05/14/15 14:23	05/15/15 19:18	20
Tetrachloro-m-xylene	169	X	30 - 124	05/14/15 14:23	05/15/15 19:18	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.048	mg/Kg	☼	05/15/15 12:43	05/16/15 13:26	1
PCB-1221	ND		0.25	0.048	mg/Kg	☼	05/15/15 12:43	05/16/15 13:26	1
PCB-1232	ND		0.25	0.048	mg/Kg	☼	05/15/15 12:43	05/16/15 13:26	1
PCB-1242	ND		0.25	0.048	mg/Kg	☼	05/15/15 12:43	05/16/15 13:26	1
PCB-1248	ND		0.25	0.048	mg/Kg	☼	05/15/15 12:43	05/16/15 13:26	1
PCB-1254	ND		0.25	0.12	mg/Kg	☼	05/15/15 12:43	05/16/15 13:26	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

**Client Sample ID: CTS-3C**

**Date Collected: 05/12/15 00:00**

**Date Received: 05/12/15 15:15**

**Lab Sample ID: 480-80176-3**

**Matrix: Solid**

**Percent Solids: 80.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1260	ND		0.25	0.12	mg/Kg	☼	05/15/15 12:43	05/16/15 13:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	94		60 - 154				05/15/15 12:43	05/16/15 13:26	1
Tetrachloro-m-xylene	90		60 - 154				05/15/15 12:43	05/16/15 13:26	1
DCB Decachlorobiphenyl	73		65 - 174				05/15/15 12:43	05/16/15 13:26	1
DCB Decachlorobiphenyl	82		65 - 174				05/15/15 12:43	05/16/15 13:26	1

## Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-TP (Silvex)	ND		21	7.4	ug/Kg	☼	05/15/15 08:38	05/19/15 21:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCAA	64		28 - 129				05/15/15 08:38	05/19/15 21:16	1
DCAA	76		28 - 129				05/15/15 08:38	05/19/15 21:16	1

## Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.9		2.4	0.47	mg/Kg	☼	05/13/15 15:12	05/14/15 23:52	1
Barium	119		0.59	0.13	mg/Kg	☼	05/13/15 15:12	05/14/15 23:52	1
Beryllium	0.65		0.24	0.033	mg/Kg	☼	05/13/15 15:12	05/14/15 23:52	1
Cadmium	0.40		0.24	0.035	mg/Kg	☼	05/13/15 15:12	05/14/15 23:52	1
Chromium	17.4		0.59	0.24	mg/Kg	☼	05/13/15 15:12	05/14/15 23:52	1
Copper	20.9		1.2	0.25	mg/Kg	☼	05/13/15 15:12	05/14/15 23:52	1
Lead	47.7		1.2	0.28	mg/Kg	☼	05/13/15 15:12	05/14/15 23:52	1
Manganese	224 ^ B		0.24	0.038	mg/Kg	☼	05/13/15 15:12	05/14/15 23:52	1
Nickel	18.2		5.9	0.27	mg/Kg	☼	05/13/15 15:12	05/14/15 23:52	1
Selenium	ND		4.7	0.47	mg/Kg	☼	05/13/15 15:12	05/14/15 23:52	1
Silver	ND		0.71	0.24	mg/Kg	☼	05/13/15 15:12	05/14/15 23:52	1
Zinc	98.8 B		2.4	0.18	mg/Kg	☼	05/13/15 15:12	05/14/15 23:52	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	0.11		0.024	0.0096	mg/Kg	☼	05/18/15 14:30	05/18/15 16:38	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		1.2	0.60	mg/Kg	☼	05/14/15 14:25	05/14/15 20:10	1
Total Organic Carbon	24500		1240	110	mg/Kg	☼		05/15/15 17:18	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.31	HF	0.100	0.100	SU			05/13/15 10:50	1

**Client Sample ID: CTS-4G**

**Date Collected: 05/12/15 00:00**

**Date Received: 05/12/15 15:15**

**Lab Sample ID: 480-80176-4**

**Matrix: Solid**

**Percent Solids: 84.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.7	0.41	ug/Kg	☼	05/15/15 16:06	05/16/15 17:29	1
1,1-Dichloroethane	ND		5.7	0.70	ug/Kg	☼	05/15/15 16:06	05/16/15 17:29	1
1,1-Dichloroethene	ND		5.7	0.70	ug/Kg	☼	05/15/15 16:06	05/16/15 17:29	1

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# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

**Client Sample ID: CTS-4G**

**Date Collected: 05/12/15 00:00**

**Date Received: 05/12/15 15:15**

**Lab Sample ID: 480-80176-4**

**Matrix: Solid**

**Percent Solids: 84.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		5.7	0.45	ug/Kg	☼	05/15/15 16:06	05/16/15 17:29	1
1,2-Dichloroethane	ND		5.7	0.29	ug/Kg	☼	05/15/15 16:06	05/16/15 17:29	1
1,2-Dichloroethene, cis-	ND		5.7	0.73	ug/Kg	☼	05/15/15 16:06	05/16/15 17:29	1
1,2-Dichloroethene, trans-	ND		5.7	0.59	ug/Kg	☼	05/15/15 16:06	05/16/15 17:29	1
1,3-Dichlorobenzene	ND		5.7	0.29	ug/Kg	☼	05/15/15 16:06	05/16/15 17:29	1
1,4-Dichlorobenzene	ND		5.7	0.80	ug/Kg	☼	05/15/15 16:06	05/16/15 17:29	1
1,4-Dioxane	ND		110	25	ug/Kg	☼	05/15/15 16:06	05/16/15 17:29	1
Acetone	ND		29	4.8	ug/Kg	☼	05/15/15 16:06	05/16/15 17:29	1
Benzene	ND		5.7	0.28	ug/Kg	☼	05/15/15 16:06	05/16/15 17:29	1
Butylbenzene	ND		5.7	0.50	ug/Kg	☼	05/15/15 16:06	05/16/15 17:29	1
Carbon tetrachloride	ND		5.7	0.55	ug/Kg	☼	05/15/15 16:06	05/16/15 17:29	1
Chlorobenzene	ND		5.7	0.75	ug/Kg	☼	05/15/15 16:06	05/16/15 17:29	1
<b>Chloroform</b>	<b>0.80</b>	<b>J</b>	5.7	0.35	ug/Kg	☼	05/15/15 16:06	05/16/15 17:29	1
Ethylbenzene	ND		5.7	0.39	ug/Kg	☼	05/15/15 16:06	05/16/15 17:29	1
Methyl Ethyl Ketone	ND		29	2.1	ug/Kg	☼	05/15/15 16:06	05/16/15 17:29	1
Methyl tert-butyl ether	ND		5.7	0.56	ug/Kg	☼	05/15/15 16:06	05/16/15 17:29	1
<b>Methylene Chloride</b>	<b>6.5</b>	<b>B</b>	5.7	2.6	ug/Kg	☼	05/15/15 16:06	05/16/15 17:29	1
Propylbenzene, n-	ND		5.7	0.46	ug/Kg	☼	05/15/15 16:06	05/16/15 17:29	1
sec-Butylbenzene	ND		5.7	0.50	ug/Kg	☼	05/15/15 16:06	05/16/15 17:29	1
tert-Butylbenzene	ND		5.7	0.59	ug/Kg	☼	05/15/15 16:06	05/16/15 17:29	1
Tetrachloroethene	ND		5.7	0.77	ug/Kg	☼	05/15/15 16:06	05/16/15 17:29	1
<b>Toluene</b>	<b>1.1</b>	<b>J</b>	5.7	0.43	ug/Kg	☼	05/15/15 16:06	05/16/15 17:29	1
Trichloroethene	ND		5.7	1.3	ug/Kg	☼	05/15/15 16:06	05/16/15 17:29	1
Trimethylbenzene, 1,2,4-	ND		5.7	1.1	ug/Kg	☼	05/15/15 16:06	05/16/15 17:29	1
Trimethylbenzene, 1,3,5-	ND		5.7	0.37	ug/Kg	☼	05/15/15 16:06	05/16/15 17:29	1
Vinyl chloride	ND		5.7	0.70	ug/Kg	☼	05/15/15 16:06	05/16/15 17:29	1
Xylene (mixed)	ND		11	0.96	ug/Kg	☼	05/15/15 16:06	05/16/15 17:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		64 - 126	05/15/15 16:06	05/16/15 17:29	1
4-Bromofluorobenzene (Surr)	88		72 - 126	05/15/15 16:06	05/16/15 17:29	1
Toluene-d8 (Surr)	105		71 - 125	05/15/15 16:06	05/16/15 17:29	1
Dibromofluoromethane (Surr)	103		60 - 140	05/15/15 16:06	05/16/15 17:29	1

**Client Sample ID: CTS-5G**

**Date Collected: 05/12/15 00:00**

**Date Received: 05/12/15 15:15**

**Lab Sample ID: 480-80176-5**

**Matrix: Solid**

**Percent Solids: 79.6**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		6.2	0.45	ug/Kg	☼	05/15/15 16:06	05/16/15 17:55	1
1,1-Dichloroethane	ND		6.2	0.76	ug/Kg	☼	05/15/15 16:06	05/16/15 17:55	1
1,1-Dichloroethene	ND		6.2	0.76	ug/Kg	☼	05/15/15 16:06	05/16/15 17:55	1
1,2-Dichlorobenzene	ND		6.2	0.49	ug/Kg	☼	05/15/15 16:06	05/16/15 17:55	1
1,2-Dichloroethane	ND		6.2	0.31	ug/Kg	☼	05/15/15 16:06	05/16/15 17:55	1
1,2-Dichloroethene, cis-	ND		6.2	0.80	ug/Kg	☼	05/15/15 16:06	05/16/15 17:55	1
1,2-Dichloroethene, trans-	ND		6.2	0.64	ug/Kg	☼	05/15/15 16:06	05/16/15 17:55	1
1,3-Dichlorobenzene	ND		6.2	0.32	ug/Kg	☼	05/15/15 16:06	05/16/15 17:55	1
1,4-Dichlorobenzene	ND		6.2	0.87	ug/Kg	☼	05/15/15 16:06	05/16/15 17:55	1
1,4-Dioxane	ND		120	27	ug/Kg	☼	05/15/15 16:06	05/16/15 17:55	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

**Client Sample ID: CTS-5G**

**Date Collected: 05/12/15 00:00**

**Date Received: 05/12/15 15:15**

**Lab Sample ID: 480-80176-5**

**Matrix: Solid**

**Percent Solids: 79.6**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		31	5.2	ug/Kg	☼	05/15/15 16:06	05/16/15 17:55	1
Benzene	ND		6.2	0.31	ug/Kg	☼	05/15/15 16:06	05/16/15 17:55	1
Butylbenzene	ND		6.2	0.54	ug/Kg	☼	05/15/15 16:06	05/16/15 17:55	1
Carbon tetrachloride	ND		6.2	0.60	ug/Kg	☼	05/15/15 16:06	05/16/15 17:55	1
Chlorobenzene	ND		6.2	0.82	ug/Kg	☼	05/15/15 16:06	05/16/15 17:55	1
<b>Chloroform</b>	<b>0.80</b>	<b>J</b>	6.2	0.39	ug/Kg	☼	05/15/15 16:06	05/16/15 17:55	1
Ethylbenzene	ND		6.2	0.43	ug/Kg	☼	05/15/15 16:06	05/16/15 17:55	1
Methyl Ethyl Ketone	ND		31	2.3	ug/Kg	☼	05/15/15 16:06	05/16/15 17:55	1
Methyl tert-butyl ether	ND		6.2	0.61	ug/Kg	☼	05/15/15 16:06	05/16/15 17:55	1
<b>Methylene Chloride</b>	<b>8.0</b>	<b>B</b>	6.2	2.9	ug/Kg	☼	05/15/15 16:06	05/16/15 17:55	1
Propylbenzene, n-	ND		6.2	0.50	ug/Kg	☼	05/15/15 16:06	05/16/15 17:55	1
sec-Butylbenzene	ND		6.2	0.54	ug/Kg	☼	05/15/15 16:06	05/16/15 17:55	1
tert-Butylbenzene	ND		6.2	0.65	ug/Kg	☼	05/15/15 16:06	05/16/15 17:55	1
Tetrachloroethene	ND		6.2	0.84	ug/Kg	☼	05/15/15 16:06	05/16/15 17:55	1
Toluene	ND		6.2	0.47	ug/Kg	☼	05/15/15 16:06	05/16/15 17:55	1
Trichloroethene	ND		6.2	1.4	ug/Kg	☼	05/15/15 16:06	05/16/15 17:55	1
Trimethylbenzene, 1,2,4-	ND		6.2	1.2	ug/Kg	☼	05/15/15 16:06	05/16/15 17:55	1
Trimethylbenzene, 1,3,5-	ND		6.2	0.40	ug/Kg	☼	05/15/15 16:06	05/16/15 17:55	1
Vinyl chloride	ND		6.2	0.76	ug/Kg	☼	05/15/15 16:06	05/16/15 17:55	1
Xylene (mixed)	ND		12	1.0	ug/Kg	☼	05/15/15 16:06	05/16/15 17:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		64 - 126	05/15/15 16:06	05/16/15 17:55	1
4-Bromofluorobenzene (Surr)	95		72 - 126	05/15/15 16:06	05/16/15 17:55	1
Toluene-d8 (Surr)	100		71 - 125	05/15/15 16:06	05/16/15 17:55	1
Dibromofluoromethane (Surr)	102		60 - 140	05/15/15 16:06	05/16/15 17:55	1

**Client Sample ID: CTS-6G**

**Date Collected: 05/12/15 00:00**

**Date Received: 05/12/15 15:15**

**Lab Sample ID: 480-80176-6**

**Matrix: Solid**

**Percent Solids: 78.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		6.3	0.45	ug/Kg	☼	05/15/15 16:06	05/16/15 18:20	1
1,1-Dichloroethane	ND		6.3	0.76	ug/Kg	☼	05/15/15 16:06	05/16/15 18:20	1
1,1-Dichloroethene	ND		6.3	0.77	ug/Kg	☼	05/15/15 16:06	05/16/15 18:20	1
1,2-Dichlorobenzene	ND		6.3	0.49	ug/Kg	☼	05/15/15 16:06	05/16/15 18:20	1
1,2-Dichloroethane	ND		6.3	0.31	ug/Kg	☼	05/15/15 16:06	05/16/15 18:20	1
1,2-Dichloroethene, cis-	ND		6.3	0.80	ug/Kg	☼	05/15/15 16:06	05/16/15 18:20	1
1,2-Dichloroethene, trans-	ND		6.3	0.65	ug/Kg	☼	05/15/15 16:06	05/16/15 18:20	1
1,3-Dichlorobenzene	ND		6.3	0.32	ug/Kg	☼	05/15/15 16:06	05/16/15 18:20	1
1,4-Dichlorobenzene	ND		6.3	0.88	ug/Kg	☼	05/15/15 16:06	05/16/15 18:20	1
1,4-Dioxane	ND		130	27	ug/Kg	☼	05/15/15 16:06	05/16/15 18:20	1
Acetone	ND		31	5.3	ug/Kg	☼	05/15/15 16:06	05/16/15 18:20	1
Benzene	ND		6.3	0.31	ug/Kg	☼	05/15/15 16:06	05/16/15 18:20	1
Butylbenzene	ND		6.3	0.55	ug/Kg	☼	05/15/15 16:06	05/16/15 18:20	1
Carbon tetrachloride	ND		6.3	0.61	ug/Kg	☼	05/15/15 16:06	05/16/15 18:20	1
Chlorobenzene	ND		6.3	0.83	ug/Kg	☼	05/15/15 16:06	05/16/15 18:20	1
<b>Chloroform</b>	<b>1.1</b>	<b>J</b>	6.3	0.39	ug/Kg	☼	05/15/15 16:06	05/16/15 18:20	1
<b>Ethylbenzene</b>	<b>0.43</b>	<b>J</b>	6.3	0.43	ug/Kg	☼	05/15/15 16:06	05/16/15 18:20	1

TestAmerica Buffalo



# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

**Client Sample ID: CTS-6G**

**Date Collected: 05/12/15 00:00**

**Date Received: 05/12/15 15:15**

**Lab Sample ID: 480-80176-6**

**Matrix: Solid**

**Percent Solids: 78.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Ethyl Ketone	ND		31	2.3	ug/Kg	☼	05/15/15 16:06	05/16/15 18:20	1
Methyl tert-butyl ether	ND		6.3	0.62	ug/Kg	☼	05/15/15 16:06	05/16/15 18:20	1
<b>Methylene Chloride</b>	<b>13</b>	<b>B</b>	6.3	2.9	ug/Kg	☼	05/15/15 16:06	05/16/15 18:20	1
Propylbenzene, n-	ND		6.3	0.50	ug/Kg	☼	05/15/15 16:06	05/16/15 18:20	1
sec-Butylbenzene	ND		6.3	0.55	ug/Kg	☼	05/15/15 16:06	05/16/15 18:20	1
tert-Butylbenzene	ND		6.3	0.65	ug/Kg	☼	05/15/15 16:06	05/16/15 18:20	1
Tetrachloroethene	ND		6.3	0.84	ug/Kg	☼	05/15/15 16:06	05/16/15 18:20	1
<b>Toluene</b>	<b>3.7</b>	<b>J</b>	6.3	0.47	ug/Kg	☼	05/15/15 16:06	05/16/15 18:20	1
Trichloroethene	ND		6.3	1.4	ug/Kg	☼	05/15/15 16:06	05/16/15 18:20	1
Trimethylbenzene, 1,2,4-	ND		6.3	1.2	ug/Kg	☼	05/15/15 16:06	05/16/15 18:20	1
Trimethylbenzene, 1,3,5-	ND		6.3	0.40	ug/Kg	☼	05/15/15 16:06	05/16/15 18:20	1
Vinyl chloride	ND		6.3	0.76	ug/Kg	☼	05/15/15 16:06	05/16/15 18:20	1
Xylene (mixed)	ND		13	1.1	ug/Kg	☼	05/15/15 16:06	05/16/15 18:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		64 - 126	05/15/15 16:06	05/16/15 18:20	1
4-Bromofluorobenzene (Surr)	87		72 - 126	05/15/15 16:06	05/16/15 18:20	1
Toluene-d8 (Surr)	106		71 - 125	05/15/15 16:06	05/16/15 18:20	1
Dibromofluoromethane (Surr)	104		60 - 140	05/15/15 16:06	05/16/15 18:20	1

**Client Sample ID: CTS-7G**

**Date Collected: 05/12/15 00:00**

**Date Received: 05/12/15 15:15**

**Lab Sample ID: 480-80176-7**

**Matrix: Solid**

**Percent Solids: 84.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.9	0.43	ug/Kg	☼	05/15/15 16:06	05/16/15 18:46	1
1,1-Dichloroethane	ND		5.9	0.72	ug/Kg	☼	05/15/15 16:06	05/16/15 18:46	1
1,1-Dichloroethene	ND		5.9	0.72	ug/Kg	☼	05/15/15 16:06	05/16/15 18:46	1
1,2-Dichlorobenzene	ND		5.9	0.46	ug/Kg	☼	05/15/15 16:06	05/16/15 18:46	1
1,2-Dichloroethane	ND		5.9	0.29	ug/Kg	☼	05/15/15 16:06	05/16/15 18:46	1
1,2-Dichloroethene, cis-	ND		5.9	0.75	ug/Kg	☼	05/15/15 16:06	05/16/15 18:46	1
1,2-Dichloroethene, trans-	ND		5.9	0.61	ug/Kg	☼	05/15/15 16:06	05/16/15 18:46	1
1,3-Dichlorobenzene	ND		5.9	0.30	ug/Kg	☼	05/15/15 16:06	05/16/15 18:46	1
1,4-Dichlorobenzene	ND		5.9	0.82	ug/Kg	☼	05/15/15 16:06	05/16/15 18:46	1
1,4-Dioxane	ND		120	26	ug/Kg	☼	05/15/15 16:06	05/16/15 18:46	1
Acetone	ND		29	4.9	ug/Kg	☼	05/15/15 16:06	05/16/15 18:46	1
Benzene	ND		5.9	0.29	ug/Kg	☼	05/15/15 16:06	05/16/15 18:46	1
Butylbenzene	ND		5.9	0.51	ug/Kg	☼	05/15/15 16:06	05/16/15 18:46	1
Carbon tetrachloride	ND		5.9	0.57	ug/Kg	☼	05/15/15 16:06	05/16/15 18:46	1
Chlorobenzene	ND		5.9	0.78	ug/Kg	☼	05/15/15 16:06	05/16/15 18:46	1
<b>Chloroform</b>	<b>0.68</b>	<b>J</b>	5.9	0.36	ug/Kg	☼	05/15/15 16:06	05/16/15 18:46	1
Ethylbenzene	ND		5.9	0.41	ug/Kg	☼	05/15/15 16:06	05/16/15 18:46	1
Methyl Ethyl Ketone	ND		29	2.1	ug/Kg	☼	05/15/15 16:06	05/16/15 18:46	1
Methyl tert-butyl ether	ND		5.9	0.58	ug/Kg	☼	05/15/15 16:06	05/16/15 18:46	1
<b>Methylene Chloride</b>	<b>6.7</b>	<b>B</b>	5.9	2.7	ug/Kg	☼	05/15/15 16:06	05/16/15 18:46	1
Propylbenzene, n-	ND		5.9	0.47	ug/Kg	☼	05/15/15 16:06	05/16/15 18:46	1
sec-Butylbenzene	ND		5.9	0.51	ug/Kg	☼	05/15/15 16:06	05/16/15 18:46	1
tert-Butylbenzene	ND		5.9	0.61	ug/Kg	☼	05/15/15 16:06	05/16/15 18:46	1
Tetrachloroethene	ND		5.9	0.79	ug/Kg	☼	05/15/15 16:06	05/16/15 18:46	1

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# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

**Client Sample ID: CTS-7G**

**Date Collected: 05/12/15 00:00**

**Date Received: 05/12/15 15:15**

**Lab Sample ID: 480-80176-7**

**Matrix: Solid**

**Percent Solids: 84.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Toluene</b>	<b>1.1</b>	<b>J</b>	5.9	0.44	ug/Kg	☼	05/15/15 16:06	05/16/15 18:46	1
Trichloroethene	ND		5.9	1.3	ug/Kg	☼	05/15/15 16:06	05/16/15 18:46	1
Trimethylbenzene, 1,2,4-	ND		5.9	1.1	ug/Kg	☼	05/15/15 16:06	05/16/15 18:46	1
Trimethylbenzene, 1,3,5-	ND		5.9	0.38	ug/Kg	☼	05/15/15 16:06	05/16/15 18:46	1
Vinyl chloride	ND		5.9	0.72	ug/Kg	☼	05/15/15 16:06	05/16/15 18:46	1
Xylene (mixed)	ND		12	0.99	ug/Kg	☼	05/15/15 16:06	05/16/15 18:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		64 - 126	05/15/15 16:06	05/16/15 18:46	1
4-Bromofluorobenzene (Surr)	92		72 - 126	05/15/15 16:06	05/16/15 18:46	1
Toluene-d8 (Surr)	103		71 - 125	05/15/15 16:06	05/16/15 18:46	1
Dibromofluoromethane (Surr)	103		60 - 140	05/15/15 16:06	05/16/15 18:46	1

**Client Sample ID: CTS-8G**

**Date Collected: 05/12/15 00:00**

**Date Received: 05/12/15 15:15**

**Lab Sample ID: 480-80176-8**

**Matrix: Solid**

**Percent Solids: 82.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.8	0.42	ug/Kg	☼	05/15/15 16:06	05/16/15 19:12	1
1,1-Dichloroethane	ND		5.8	0.71	ug/Kg	☼	05/15/15 16:06	05/16/15 19:12	1
1,1-Dichloroethene	ND		5.8	0.71	ug/Kg	☼	05/15/15 16:06	05/16/15 19:12	1
1,2-Dichlorobenzene	ND		5.8	0.46	ug/Kg	☼	05/15/15 16:06	05/16/15 19:12	1
1,2-Dichloroethane	ND		5.8	0.29	ug/Kg	☼	05/15/15 16:06	05/16/15 19:12	1
1,2-Dichloroethene, cis-	ND		5.8	0.75	ug/Kg	☼	05/15/15 16:06	05/16/15 19:12	1
1,2-Dichloroethene, trans-	ND		5.8	0.60	ug/Kg	☼	05/15/15 16:06	05/16/15 19:12	1
1,3-Dichlorobenzene	ND		5.8	0.30	ug/Kg	☼	05/15/15 16:06	05/16/15 19:12	1
1,4-Dichlorobenzene	ND		5.8	0.82	ug/Kg	☼	05/15/15 16:06	05/16/15 19:12	1
1,4-Dioxane	ND		120	25	ug/Kg	☼	05/15/15 16:06	05/16/15 19:12	1
Acetone	ND		29	4.9	ug/Kg	☼	05/15/15 16:06	05/16/15 19:12	1
Benzene	ND		5.8	0.29	ug/Kg	☼	05/15/15 16:06	05/16/15 19:12	1
Butylbenzene	ND		5.8	0.51	ug/Kg	☼	05/15/15 16:06	05/16/15 19:12	1
Carbon tetrachloride	ND		5.8	0.56	ug/Kg	☼	05/15/15 16:06	05/16/15 19:12	1
Chlorobenzene	ND		5.8	0.77	ug/Kg	☼	05/15/15 16:06	05/16/15 19:12	1
<b>Chloroform</b>	<b>0.84</b>	<b>J</b>	5.8	0.36	ug/Kg	☼	05/15/15 16:06	05/16/15 19:12	1
Ethylbenzene	ND		5.8	0.40	ug/Kg	☼	05/15/15 16:06	05/16/15 19:12	1
Methyl Ethyl Ketone	ND		29	2.1	ug/Kg	☼	05/15/15 16:06	05/16/15 19:12	1
Methyl tert-butyl ether	ND		5.8	0.57	ug/Kg	☼	05/15/15 16:06	05/16/15 19:12	1
<b>Methylene Chloride</b>	<b>5.8</b>	<b>B</b>	5.8	2.7	ug/Kg	☼	05/15/15 16:06	05/16/15 19:12	1
Propylbenzene, n-	ND		5.8	0.47	ug/Kg	☼	05/15/15 16:06	05/16/15 19:12	1
sec-Butylbenzene	ND		5.8	0.51	ug/Kg	☼	05/15/15 16:06	05/16/15 19:12	1
tert-Butylbenzene	ND		5.8	0.61	ug/Kg	☼	05/15/15 16:06	05/16/15 19:12	1
Tetrachloroethene	ND		5.8	0.78	ug/Kg	☼	05/15/15 16:06	05/16/15 19:12	1
<b>Toluene</b>	<b>0.72</b>	<b>J</b>	5.8	0.44	ug/Kg	☼	05/15/15 16:06	05/16/15 19:12	1
Trichloroethene	ND		5.8	1.3	ug/Kg	☼	05/15/15 16:06	05/16/15 19:12	1
Trimethylbenzene, 1,2,4-	ND		5.8	1.1	ug/Kg	☼	05/15/15 16:06	05/16/15 19:12	1
Trimethylbenzene, 1,3,5-	ND		5.8	0.38	ug/Kg	☼	05/15/15 16:06	05/16/15 19:12	1
Vinyl chloride	ND		5.8	0.71	ug/Kg	☼	05/15/15 16:06	05/16/15 19:12	1
Xylene (mixed)	ND		12	0.98	ug/Kg	☼	05/15/15 16:06	05/16/15 19:12	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

**Client Sample ID: CTS-8G**

**Date Collected: 05/12/15 00:00**

**Date Received: 05/12/15 15:15**

**Lab Sample ID: 480-80176-8**

**Matrix: Solid**

**Percent Solids: 82.7**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		64 - 126	05/15/15 16:06	05/16/15 19:12	1
4-Bromofluorobenzene (Surr)	91		72 - 126	05/15/15 16:06	05/16/15 19:12	1
Toluene-d8 (Surr)	105		71 - 125	05/15/15 16:06	05/16/15 19:12	1
Dibromofluoromethane (Surr)	102		60 - 140	05/15/15 16:06	05/16/15 19:12	1

**Client Sample ID: CTS-9G**

**Date Collected: 05/12/15 00:00**

**Date Received: 05/12/15 15:15**

**Lab Sample ID: 480-80176-9**

**Matrix: Solid**

**Percent Solids: 85.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.8	0.42	ug/Kg	☼	05/15/15 16:06	05/16/15 19:38	1
1,1-Dichloroethane	ND		5.8	0.70	ug/Kg	☼	05/15/15 16:06	05/16/15 19:38	1
1,1-Dichloroethene	ND		5.8	0.70	ug/Kg	☼	05/15/15 16:06	05/16/15 19:38	1
1,2-Dichlorobenzene	ND		5.8	0.45	ug/Kg	☼	05/15/15 16:06	05/16/15 19:38	1
1,2-Dichloroethane	ND		5.8	0.29	ug/Kg	☼	05/15/15 16:06	05/16/15 19:38	1
1,2-Dichloroethene, cis-	ND		5.8	0.74	ug/Kg	☼	05/15/15 16:06	05/16/15 19:38	1
1,2-Dichloroethene, trans-	ND		5.8	0.59	ug/Kg	☼	05/15/15 16:06	05/16/15 19:38	1
1,3-Dichlorobenzene	ND		5.8	0.30	ug/Kg	☼	05/15/15 16:06	05/16/15 19:38	1
1,4-Dichlorobenzene	ND		5.8	0.81	ug/Kg	☼	05/15/15 16:06	05/16/15 19:38	1
1,4-Dioxane	ND		120	25	ug/Kg	☼	05/15/15 16:06	05/16/15 19:38	1
Acetone	ND		29	4.8	ug/Kg	☼	05/15/15 16:06	05/16/15 19:38	1
Benzene	ND		5.8	0.28	ug/Kg	☼	05/15/15 16:06	05/16/15 19:38	1
Butylbenzene	ND		5.8	0.50	ug/Kg	☼	05/15/15 16:06	05/16/15 19:38	1
Carbon tetrachloride	ND		5.8	0.56	ug/Kg	☼	05/15/15 16:06	05/16/15 19:38	1
Chlorobenzene	ND		5.8	0.76	ug/Kg	☼	05/15/15 16:06	05/16/15 19:38	1
<b>Chloroform</b>	<b>0.76</b>	<b>J</b>	5.8	0.36	ug/Kg	☼	05/15/15 16:06	05/16/15 19:38	1
Ethylbenzene	ND		5.8	0.40	ug/Kg	☼	05/15/15 16:06	05/16/15 19:38	1
Methyl Ethyl Ketone	ND		29	2.1	ug/Kg	☼	05/15/15 16:06	05/16/15 19:38	1
Methyl tert-butyl ether	ND		5.8	0.57	ug/Kg	☼	05/15/15 16:06	05/16/15 19:38	1
<b>Methylene Chloride</b>	<b>4.0</b>	<b>J B</b>	5.8	2.6	ug/Kg	☼	05/15/15 16:06	05/16/15 19:38	1
Propylbenzene, n-	ND		5.8	0.46	ug/Kg	☼	05/15/15 16:06	05/16/15 19:38	1
sec-Butylbenzene	ND		5.8	0.50	ug/Kg	☼	05/15/15 16:06	05/16/15 19:38	1
tert-Butylbenzene	ND		5.8	0.60	ug/Kg	☼	05/15/15 16:06	05/16/15 19:38	1
Tetrachloroethene	ND		5.8	0.77	ug/Kg	☼	05/15/15 16:06	05/16/15 19:38	1
Toluene	ND		5.8	0.44	ug/Kg	☼	05/15/15 16:06	05/16/15 19:38	1
Trichloroethene	ND		5.8	1.3	ug/Kg	☼	05/15/15 16:06	05/16/15 19:38	1
Trimethylbenzene, 1,2,4-	ND		5.8	1.1	ug/Kg	☼	05/15/15 16:06	05/16/15 19:38	1
Trimethylbenzene, 1,3,5-	ND		5.8	0.37	ug/Kg	☼	05/15/15 16:06	05/16/15 19:38	1
Vinyl chloride	ND		5.8	0.70	ug/Kg	☼	05/15/15 16:06	05/16/15 19:38	1
Xylene (mixed)	ND		12	0.97	ug/Kg	☼	05/15/15 16:06	05/16/15 19:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		64 - 126	05/15/15 16:06	05/16/15 19:38	1
4-Bromofluorobenzene (Surr)	93		72 - 126	05/15/15 16:06	05/16/15 19:38	1
Toluene-d8 (Surr)	105		71 - 125	05/15/15 16:06	05/16/15 19:38	1
Dibromofluoromethane (Surr)	104		60 - 140	05/15/15 16:06	05/16/15 19:38	1

TestAmerica Buffalo

# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

**Client Sample ID: CTS-10G**

**Date Collected: 05/12/15 00:00**

**Date Received: 05/12/15 15:15**

**Lab Sample ID: 480-80176-10**

**Matrix: Solid**

**Percent Solids: 84.0**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.9	0.43	ug/Kg	☼	05/15/15 16:06	05/16/15 20:04	1
1,1-Dichloroethane	ND		5.9	0.72	ug/Kg	☼	05/15/15 16:06	05/16/15 20:04	1
1,1-Dichloroethene	ND		5.9	0.72	ug/Kg	☼	05/15/15 16:06	05/16/15 20:04	1
1,2-Dichlorobenzene	ND		5.9	0.46	ug/Kg	☼	05/15/15 16:06	05/16/15 20:04	1
1,2-Dichloroethane	ND		5.9	0.30	ug/Kg	☼	05/15/15 16:06	05/16/15 20:04	1
1,2-Dichloroethene, cis-	ND		5.9	0.76	ug/Kg	☼	05/15/15 16:06	05/16/15 20:04	1
1,2-Dichloroethene, trans-	ND		5.9	0.61	ug/Kg	☼	05/15/15 16:06	05/16/15 20:04	1
1,3-Dichlorobenzene	ND		5.9	0.30	ug/Kg	☼	05/15/15 16:06	05/16/15 20:04	1
1,4-Dichlorobenzene	ND		5.9	0.83	ug/Kg	☼	05/15/15 16:06	05/16/15 20:04	1
1,4-Dioxane	ND		120	26	ug/Kg	☼	05/15/15 16:06	05/16/15 20:04	1
Acetone	ND		30	5.0	ug/Kg	☼	05/15/15 16:06	05/16/15 20:04	1
Benzene	ND		5.9	0.29	ug/Kg	☼	05/15/15 16:06	05/16/15 20:04	1
Butylbenzene	ND		5.9	0.51	ug/Kg	☼	05/15/15 16:06	05/16/15 20:04	1
Carbon tetrachloride	ND		5.9	0.57	ug/Kg	☼	05/15/15 16:06	05/16/15 20:04	1
Chlorobenzene	ND		5.9	0.78	ug/Kg	☼	05/15/15 16:06	05/16/15 20:04	1
<b>Chloroform</b>	<b>0.75</b>	<b>J</b>	5.9	0.37	ug/Kg	☼	05/15/15 16:06	05/16/15 20:04	1
Ethylbenzene	ND		5.9	0.41	ug/Kg	☼	05/15/15 16:06	05/16/15 20:04	1
Methyl Ethyl Ketone	ND		30	2.2	ug/Kg	☼	05/15/15 16:06	05/16/15 20:04	1
Methyl tert-butyl ether	ND		5.9	0.58	ug/Kg	☼	05/15/15 16:06	05/16/15 20:04	1
<b>Methylene Chloride</b>	<b>2.9</b>	<b>J B</b>	5.9	2.7	ug/Kg	☼	05/15/15 16:06	05/16/15 20:04	1
Propylbenzene, n-	ND		5.9	0.47	ug/Kg	☼	05/15/15 16:06	05/16/15 20:04	1
sec-Butylbenzene	ND		5.9	0.51	ug/Kg	☼	05/15/15 16:06	05/16/15 20:04	1
tert-Butylbenzene	ND		5.9	0.62	ug/Kg	☼	05/15/15 16:06	05/16/15 20:04	1
Tetrachloroethene	ND		5.9	0.79	ug/Kg	☼	05/15/15 16:06	05/16/15 20:04	1
Toluene	ND		5.9	0.45	ug/Kg	☼	05/15/15 16:06	05/16/15 20:04	1
Trichloroethene	ND		5.9	1.3	ug/Kg	☼	05/15/15 16:06	05/16/15 20:04	1
Trimethylbenzene, 1,2,4-	ND		5.9	1.1	ug/Kg	☼	05/15/15 16:06	05/16/15 20:04	1
Trimethylbenzene, 1,3,5-	ND		5.9	0.38	ug/Kg	☼	05/15/15 16:06	05/16/15 20:04	1
Vinyl chloride	ND		5.9	0.72	ug/Kg	☼	05/15/15 16:06	05/16/15 20:04	1
Xylene (mixed)	ND		12	0.99	ug/Kg	☼	05/15/15 16:06	05/16/15 20:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		64 - 126	05/15/15 16:06	05/16/15 20:04	1
4-Bromofluorobenzene (Surr)	91		72 - 126	05/15/15 16:06	05/16/15 20:04	1
Toluene-d8 (Surr)	105		71 - 125	05/15/15 16:06	05/16/15 20:04	1
Dibromofluoromethane (Surr)	104		60 - 140	05/15/15 16:06	05/16/15 20:04	1

**Client Sample ID: CTS-11G**

**Date Collected: 05/12/15 00:00**

**Date Received: 05/12/15 15:15**

**Lab Sample ID: 480-80176-11**

**Matrix: Solid**

**Percent Solids: 83.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.9	0.43	ug/Kg	☼	05/15/15 16:06	05/16/15 20:30	1
1,1-Dichloroethane	ND		5.9	0.72	ug/Kg	☼	05/15/15 16:06	05/16/15 20:30	1
1,1-Dichloroethene	ND		5.9	0.73	ug/Kg	☼	05/15/15 16:06	05/16/15 20:30	1
1,2-Dichlorobenzene	ND		5.9	0.46	ug/Kg	☼	05/15/15 16:06	05/16/15 20:30	1
1,2-Dichloroethane	ND		5.9	0.30	ug/Kg	☼	05/15/15 16:06	05/16/15 20:30	1
1,2-Dichloroethene, cis-	ND		5.9	0.76	ug/Kg	☼	05/15/15 16:06	05/16/15 20:30	1
1,2-Dichloroethene, trans-	ND		5.9	0.61	ug/Kg	☼	05/15/15 16:06	05/16/15 20:30	1

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# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

**Client Sample ID: CTS-11G**

**Date Collected: 05/12/15 00:00**

**Date Received: 05/12/15 15:15**

**Lab Sample ID: 480-80176-11**

**Matrix: Solid**

**Percent Solids: 83.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		5.9	0.31	ug/Kg	☼	05/15/15 16:06	05/16/15 20:30	1
1,4-Dichlorobenzene	ND		5.9	0.83	ug/Kg	☼	05/15/15 16:06	05/16/15 20:30	1
1,4-Dioxane	ND		120	26	ug/Kg	☼	05/15/15 16:06	05/16/15 20:30	1
Acetone	ND		30	5.0	ug/Kg	☼	05/15/15 16:06	05/16/15 20:30	1
Benzene	ND		5.9	0.29	ug/Kg	☼	05/15/15 16:06	05/16/15 20:30	1
Butylbenzene	ND		5.9	0.52	ug/Kg	☼	05/15/15 16:06	05/16/15 20:30	1
Carbon tetrachloride	ND		5.9	0.57	ug/Kg	☼	05/15/15 16:06	05/16/15 20:30	1
Chlorobenzene	ND		5.9	0.78	ug/Kg	☼	05/15/15 16:06	05/16/15 20:30	1
Chloroform	0.93	J	5.9	0.37	ug/Kg	☼	05/15/15 16:06	05/16/15 20:30	1
Ethylbenzene	ND		5.9	0.41	ug/Kg	☼	05/15/15 16:06	05/16/15 20:30	1
Methyl Ethyl Ketone	ND		30	2.2	ug/Kg	☼	05/15/15 16:06	05/16/15 20:30	1
Methyl tert-butyl ether	ND		5.9	0.58	ug/Kg	☼	05/15/15 16:06	05/16/15 20:30	1
Methylene Chloride	6.8	B	5.9	2.7	ug/Kg	☼	05/15/15 16:06	05/16/15 20:30	1
Propylbenzene, n-	ND		5.9	0.48	ug/Kg	☼	05/15/15 16:06	05/16/15 20:30	1
sec-Butylbenzene	ND		5.9	0.52	ug/Kg	☼	05/15/15 16:06	05/16/15 20:30	1
tert-Butylbenzene	ND		5.9	0.62	ug/Kg	☼	05/15/15 16:06	05/16/15 20:30	1
Tetrachloroethene	ND		5.9	0.80	ug/Kg	☼	05/15/15 16:06	05/16/15 20:30	1
Toluene	ND		5.9	0.45	ug/Kg	☼	05/15/15 16:06	05/16/15 20:30	1
Trichloroethene	ND		5.9	1.3	ug/Kg	☼	05/15/15 16:06	05/16/15 20:30	1
Trimethylbenzene, 1,2,4-	ND		5.9	1.1	ug/Kg	☼	05/15/15 16:06	05/16/15 20:30	1
Trimethylbenzene, 1,3,5-	ND		5.9	0.38	ug/Kg	☼	05/15/15 16:06	05/16/15 20:30	1
Vinyl chloride	ND		5.9	0.72	ug/Kg	☼	05/15/15 16:06	05/16/15 20:30	1
Xylene (mixed)	ND		12	1.0	ug/Kg	☼	05/15/15 16:06	05/16/15 20:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		64 - 126	05/15/15 16:06	05/16/15 20:30	1
4-Bromofluorobenzene (Surr)	88		72 - 126	05/15/15 16:06	05/16/15 20:30	1
Toluene-d8 (Surr)	106		71 - 125	05/15/15 16:06	05/16/15 20:30	1
Dibromofluoromethane (Surr)	105		60 - 140	05/15/15 16:06	05/16/15 20:30	1

**Client Sample ID: CTS-12G**

**Date Collected: 05/12/15 00:00**

**Date Received: 05/12/15 15:15**

**Lab Sample ID: 480-80176-12**

**Matrix: Solid**

**Percent Solids: 73.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		6.6	0.48	ug/Kg	☼	05/15/15 16:06	05/16/15 20:55	1
1,1-Dichloroethane	ND		6.6	0.81	ug/Kg	☼	05/15/15 16:06	05/16/15 20:55	1
1,1-Dichloroethene	ND		6.6	0.81	ug/Kg	☼	05/15/15 16:06	05/16/15 20:55	1
1,2-Dichlorobenzene	ND		6.6	0.52	ug/Kg	☼	05/15/15 16:06	05/16/15 20:55	1
1,2-Dichloroethane	ND		6.6	0.33	ug/Kg	☼	05/15/15 16:06	05/16/15 20:55	1
1,2-Dichloroethene, cis-	ND		6.6	0.85	ug/Kg	☼	05/15/15 16:06	05/16/15 20:55	1
1,2-Dichloroethene, trans-	ND		6.6	0.68	ug/Kg	☼	05/15/15 16:06	05/16/15 20:55	1
1,3-Dichlorobenzene	ND		6.6	0.34	ug/Kg	☼	05/15/15 16:06	05/16/15 20:55	1
1,4-Dichlorobenzene	ND		6.6	0.93	ug/Kg	☼	05/15/15 16:06	05/16/15 20:55	1
1,4-Dioxane	ND		130	29	ug/Kg	☼	05/15/15 16:06	05/16/15 20:55	1
Acetone	ND		33	5.6	ug/Kg	☼	05/15/15 16:06	05/16/15 20:55	1
Benzene	ND		6.6	0.33	ug/Kg	☼	05/15/15 16:06	05/16/15 20:55	1
Butylbenzene	ND		6.6	0.58	ug/Kg	☼	05/15/15 16:06	05/16/15 20:55	1
Carbon tetrachloride	ND		6.6	0.64	ug/Kg	☼	05/15/15 16:06	05/16/15 20:55	1

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# Client Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

**Client Sample ID: CTS-12G**

**Lab Sample ID: 480-80176-12**

**Date Collected: 05/12/15 00:00**

**Matrix: Solid**

**Date Received: 05/12/15 15:15**

**Percent Solids: 73.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		6.6	0.88	ug/Kg	☼	05/15/15 16:06	05/16/15 20:55	1
<b>Chloroform</b>	<b>1.2</b>	<b>J</b>	6.6	0.41	ug/Kg	☼	05/15/15 16:06	05/16/15 20:55	1
Ethylbenzene	ND		6.6	0.46	ug/Kg	☼	05/15/15 16:06	05/16/15 20:55	1
Methyl Ethyl Ketone	ND		33	2.4	ug/Kg	☼	05/15/15 16:06	05/16/15 20:55	1
Methyl tert-butyl ether	ND		6.6	0.65	ug/Kg	☼	05/15/15 16:06	05/16/15 20:55	1
<b>Methylene Chloride</b>	<b>8.5</b>	<b>B</b>	6.6	3.1	ug/Kg	☼	05/15/15 16:06	05/16/15 20:55	1
Propylbenzene, n-	ND		6.6	0.53	ug/Kg	☼	05/15/15 16:06	05/16/15 20:55	1
sec-Butylbenzene	ND		6.6	0.58	ug/Kg	☼	05/15/15 16:06	05/16/15 20:55	1
tert-Butylbenzene	ND		6.6	0.69	ug/Kg	☼	05/15/15 16:06	05/16/15 20:55	1
Tetrachloroethene	ND		6.6	0.89	ug/Kg	☼	05/15/15 16:06	05/16/15 20:55	1
Toluene	ND		6.6	0.50	ug/Kg	☼	05/15/15 16:06	05/16/15 20:55	1
Trichloroethene	ND		6.6	1.5	ug/Kg	☼	05/15/15 16:06	05/16/15 20:55	1
Trimethylbenzene, 1,2,4-	ND		6.6	1.3	ug/Kg	☼	05/15/15 16:06	05/16/15 20:55	1
Trimethylbenzene, 1,3,5-	ND		6.6	0.43	ug/Kg	☼	05/15/15 16:06	05/16/15 20:55	1
Vinyl chloride	ND		6.6	0.81	ug/Kg	☼	05/15/15 16:06	05/16/15 20:55	1
Xylene (mixed)	ND		13	1.1	ug/Kg	☼	05/15/15 16:06	05/16/15 20:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		64 - 126	05/15/15 16:06	05/16/15 20:55	1
4-Bromofluorobenzene (Surr)	100		72 - 126	05/15/15 16:06	05/16/15 20:55	1
Toluene-d8 (Surr)	102		71 - 125	05/15/15 16:06	05/16/15 20:55	1
Dibromofluoromethane (Surr)	107		60 - 140	05/15/15 16:06	05/16/15 20:55	1



# Surrogate Summary

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (64-126)	BFB (72-126)	TOL (71-125)	DBFM (60-140)
480-80176-1	CTS-1C	101	92	104	102
480-80176-2	CTS-2C	100	99	103	102
480-80176-3	CTS-3C	101	90	103	104
480-80176-4	CTS-4G	98	88	105	103
480-80176-5	CTS-5G	100	95	100	102
480-80176-6	CTS-6G	101	87	106	104
480-80176-7	CTS-7G	101	92	103	103
480-80176-8	CTS-8G	98	91	105	102
480-80176-9	CTS-9G	100	93	105	104
480-80176-10	CTS-10G	100	91	105	104
480-80176-11	CTS-11G	100	88	106	105
480-80176-12	CTS-12G	106	100	102	107
LCS 480-242785/1-A	Lab Control Sample	97	107	101	100
MB 480-242785/2-A	Method Blank	101	101	101	101

### Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)  
BFB = 4-Bromofluorobenzene (Surr)  
TOL = Toluene-d8 (Surr)  
DBFM = Dibromofluoromethane (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (39-146)	FBP (37-120)	2FP (18-120)	NBZ (34-132)	PHL (11-120)	TPH (65-153)
480-80176-1	CTS-1C	0 X	79	63	70	63	90
480-80176-2	CTS-2C	0 X	68	66	73	67	81
480-80176-3	CTS-3C	0 X	83	69	69	82	92
LCS 480-242467/2-A	Lab Control Sample	80	94	68	80	75	77
MB 480-242467/1-A	Method Blank	69	69	78	72	68	90

### Surrogate Legend

TBP = 2,4,6-Tribromophenol  
FBP = 2-Fluorobiphenyl  
2FP = 2-Fluorophenol  
NBZ = Nitrobenzene-d5  
PHL = Phenol-d5  
TPH = p-Terphenyl-d14 (Surr)

## Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCB1 (32-136)	DCB2 (32-136)	TCX1 (30-124)	TCX2 (30-124)
480-80176-1	CTS-1C	0 X	0 X	0 X	0 X
480-80176-1 MS	CTS-1C	0 X	0 X	0 X	0 X
480-80176-1 MSD	CTS-1C	0 X	0 X	271 X	344 X

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# Surrogate Summary

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCB1 (32-136)	DCB2 (32-136)	TCX1 (30-124)	TCX2 (30-124)
480-80176-2	CTS-2C	0 X	0 X	0 X	0 X
480-80176-3	CTS-3C	0 X	0 X	197 X	169 X
LCS 480-242466/2-A	Lab Control Sample	73	73	84	73
MB 480-242466/1-A	Method Blank	75	76	89	78

### Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TCX1 (60-154)	TCX2 (60-154)	DCB1 (65-174)	DCB2 (65-174)
480-80176-1	CTS-1C	97	94	81	92
480-80176-2	CTS-2C	93	90	70	79
480-80176-3	CTS-3C	94	90	73	82
LCS 480-242716/2-A	Lab Control Sample	125	114	106	120
MB 480-242716/1-A	Method Blank	103	99	93	104

### Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

## Method: 8151A - Herbicides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCPA1 (28-129)	DCPA2 (28-129)
480-80176-1	CTS-1C	74	84
480-80176-2	CTS-2C	63	85
480-80176-3	CTS-3C	64	76
LCS 480-242596/2-A	Lab Control Sample	59	71
MB 480-242596/1-A	Method Blank	68	77

### Surrogate Legend

DCPA = DCAA



# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

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

Lab Sample ID: MB 480-242785/2-A

Matrix: Solid

Analysis Batch: 242879

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 242785

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		05/15/15 16:06	05/16/15 15:43	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		05/15/15 16:06	05/16/15 15:43	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		05/15/15 16:06	05/16/15 15:43	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		05/15/15 16:06	05/16/15 15:43	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		05/15/15 16:06	05/16/15 15:43	1
1,2-Dichloroethene, cis-	ND		5.0	0.63	ug/Kg		05/15/15 16:06	05/16/15 15:43	1
1,2-Dichloroethene, trans-	ND		5.0	0.51	ug/Kg		05/15/15 16:06	05/16/15 15:43	1
1,3-Dichlorobenzene	ND		5.0	0.25	ug/Kg		05/15/15 16:06	05/16/15 15:43	1
1,4-Dichlorobenzene	ND		5.0	0.69	ug/Kg		05/15/15 16:06	05/16/15 15:43	1
1,4-Dioxane	ND		99	22	ug/Kg		05/15/15 16:06	05/16/15 15:43	1
Acetone	ND		25	4.2	ug/Kg		05/15/15 16:06	05/16/15 15:43	1
Benzene	ND		5.0	0.24	ug/Kg		05/15/15 16:06	05/16/15 15:43	1
Butylbenzene	ND		5.0	0.43	ug/Kg		05/15/15 16:06	05/16/15 15:43	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		05/15/15 16:06	05/16/15 15:43	1
Chlorobenzene	ND		5.0	0.65	ug/Kg		05/15/15 16:06	05/16/15 15:43	1
Chloroform	ND		5.0	0.31	ug/Kg		05/15/15 16:06	05/16/15 15:43	1
Ethylbenzene	ND		5.0	0.34	ug/Kg		05/15/15 16:06	05/16/15 15:43	1
Methyl Ethyl Ketone	ND		25	1.8	ug/Kg		05/15/15 16:06	05/16/15 15:43	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		05/15/15 16:06	05/16/15 15:43	1
Methylene Chloride	6.56		5.0	2.3	ug/Kg		05/15/15 16:06	05/16/15 15:43	1
Propylbenzene, n-	ND		5.0	0.40	ug/Kg		05/15/15 16:06	05/16/15 15:43	1
sec-Butylbenzene	ND		5.0	0.43	ug/Kg		05/15/15 16:06	05/16/15 15:43	1
tert-Butylbenzene	ND		5.0	0.52	ug/Kg		05/15/15 16:06	05/16/15 15:43	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		05/15/15 16:06	05/16/15 15:43	1
Toluene	ND		5.0	0.38	ug/Kg		05/15/15 16:06	05/16/15 15:43	1
Trichloroethene	ND		5.0	1.1	ug/Kg		05/15/15 16:06	05/16/15 15:43	1
Trimethylbenzene, 1,2,4-	ND		5.0	0.95	ug/Kg		05/15/15 16:06	05/16/15 15:43	1
Trimethylbenzene, 1,3,5-	ND		5.0	0.32	ug/Kg		05/15/15 16:06	05/16/15 15:43	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		05/15/15 16:06	05/16/15 15:43	1
Xylene (mixed)	ND		9.9	0.83	ug/Kg		05/15/15 16:06	05/16/15 15:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		64 - 126	05/15/15 16:06	05/16/15 15:43	1
4-Bromofluorobenzene (Surr)	101		72 - 126	05/15/15 16:06	05/16/15 15:43	1
Toluene-d8 (Surr)	101		71 - 125	05/15/15 16:06	05/16/15 15:43	1
Dibromofluoromethane (Surr)	101		60 - 140	05/15/15 16:06	05/16/15 15:43	1

Lab Sample ID: LCS 480-242785/1-A

Matrix: Solid

Analysis Batch: 242879

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 242785

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1,1-Dichloroethane	49.9	45.8		ug/Kg		92	73 - 126
1,1-Dichloroethene	49.9	46.2		ug/Kg		93	59 - 125
1,2-Dichlorobenzene	49.9	46.9		ug/Kg		94	75 - 120
1,2-Dichloroethane	49.9	46.6		ug/Kg		93	77 - 122
1,2-Dichloroethene, cis-	49.9	47.2		ug/Kg		95	81 - 117
1,2-Dichloroethene, trans-	49.9	46.5		ug/Kg		93	78 - 126

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# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

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

Lab Sample ID: LCS 480-242785/1-A

Matrix: Solid

Analysis Batch: 242879

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 242785

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	49.9	46.2		ug/Kg		93	79 - 127
Chlorobenzene	49.9	46.8		ug/Kg		94	76 - 124
Ethylbenzene	49.9	47.2		ug/Kg		95	80 - 120
Methyl tert-butyl ether	49.9	49.1		ug/Kg		98	63 - 125
Tetrachloroethene	49.9	46.6		ug/Kg		93	74 - 122
Toluene	49.9	46.2		ug/Kg		93	74 - 128
Trichloroethene	49.9	46.5		ug/Kg		93	77 - 129
Trimethylbenzene, 1,2,4-	49.9	46.3		ug/Kg		93	74 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		64 - 126
4-Bromofluorobenzene (Surr)	107		72 - 126
Toluene-d8 (Surr)	101		71 - 125
Dibromofluoromethane (Surr)	100		60 - 140

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

Lab Sample ID: MB 480-242467/1-A

Matrix: Solid

Analysis Batch: 242578

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 242467

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		170	25	ug/Kg		05/14/15 14:33	05/15/15 09:27	1
Acenaphthylene	ND		170	22	ug/Kg		05/14/15 14:33	05/15/15 09:27	1
Anthracene	ND		170	42	ug/Kg		05/14/15 14:33	05/15/15 09:27	1
Benzo(a)anthracene	ND		170	17	ug/Kg		05/14/15 14:33	05/15/15 09:27	1
Benzo(a)pyrene	ND		170	25	ug/Kg		05/14/15 14:33	05/15/15 09:27	1
Benzo(b)fluoranthene	ND		170	27	ug/Kg		05/14/15 14:33	05/15/15 09:27	1
Benzo(g,h,i)perylene	ND		170	18	ug/Kg		05/14/15 14:33	05/15/15 09:27	1
Benzo(k)fluoranthene	ND		170	22	ug/Kg		05/14/15 14:33	05/15/15 09:27	1
Chrysene	ND		170	38	ug/Kg		05/14/15 14:33	05/15/15 09:27	1
Dibenz(a,h)anthracene	ND		170	30	ug/Kg		05/14/15 14:33	05/15/15 09:27	1
Dibenzofuran	ND		170	20	ug/Kg		05/14/15 14:33	05/15/15 09:27	1
Fluoranthene	ND		170	18	ug/Kg		05/14/15 14:33	05/15/15 09:27	1
Fluorene	ND		170	20	ug/Kg		05/14/15 14:33	05/15/15 09:27	1
Hexachlorobenzene	ND		170	23	ug/Kg		05/14/15 14:33	05/15/15 09:27	1
Indeno(1,2,3-cd)pyrene	ND		170	21	ug/Kg		05/14/15 14:33	05/15/15 09:27	1
Naphthalene	ND		170	22	ug/Kg		05/14/15 14:33	05/15/15 09:27	1
o-Cresol	ND		170	20	ug/Kg		05/14/15 14:33	05/15/15 09:27	1
p-Cresol	ND		330	20	ug/Kg		05/14/15 14:33	05/15/15 09:27	1
Pentachlorophenol	ND		330	170	ug/Kg		05/14/15 14:33	05/15/15 09:27	1
Phenanthrene	ND		170	25	ug/Kg		05/14/15 14:33	05/15/15 09:27	1
Phenol	ND		170	26	ug/Kg		05/14/15 14:33	05/15/15 09:27	1
Pyrene	ND		170	20	ug/Kg		05/14/15 14:33	05/15/15 09:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	69		39 - 146	05/14/15 14:33	05/15/15 09:27	1

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# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

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

Lab Sample ID: MB 480-242467/1-A

Matrix: Solid

Analysis Batch: 242578

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 242467

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	69		37 - 120	05/14/15 14:33	05/15/15 09:27	1
2-Fluorophenol	78		18 - 120	05/14/15 14:33	05/15/15 09:27	1
Nitrobenzene-d5	72		34 - 132	05/14/15 14:33	05/15/15 09:27	1
Phenol-d5	68		11 - 120	05/14/15 14:33	05/15/15 09:27	1
p-Terphenyl-d14 (Surr)	90		65 - 153	05/14/15 14:33	05/15/15 09:27	1

Lab Sample ID: LCS 480-242467/2-A

Matrix: Solid

Analysis Batch: 242578

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 242467

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Acenaphthene	1660	1510		ug/Kg		91	53 - 120
Fluorene	1660	1690		ug/Kg		102	63 - 126
p-Cresol	1660	1420		ug/Kg		86	50 - 119
Pentachlorophenol	3320	2150		ug/Kg		65	33 - 136
Phenol	1660	1260		ug/Kg		76	36 - 120
Pyrene	1660	1290		ug/Kg		78	51 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	80		39 - 146
2-Fluorobiphenyl	94		37 - 120
2-Fluorophenol	68		18 - 120
Nitrobenzene-d5	80		34 - 132
Phenol-d5	75		11 - 120
p-Terphenyl-d14 (Surr)	77		65 - 153

## Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-242466/1-A

Matrix: Solid

Analysis Batch: 242738

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 242466

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.32	ug/Kg		05/14/15 14:23	05/15/15 17:27	1
4,4'-DDE	ND		1.7	0.35	ug/Kg		05/14/15 14:23	05/15/15 17:27	1
4,4'-DDT	ND		1.7	0.39	ug/Kg		05/14/15 14:23	05/15/15 17:27	1
Aldrin	ND		1.7	0.41	ug/Kg		05/14/15 14:23	05/15/15 17:27	1
alpha-BHC	ND		1.7	0.30	ug/Kg		05/14/15 14:23	05/15/15 17:27	1
beta-BHC	ND		1.7	0.30	ug/Kg		05/14/15 14:23	05/15/15 17:27	1
Chlordane (.alpha.)	ND		1.7	0.83	ug/Kg		05/14/15 14:23	05/15/15 17:27	1
delta-BHC	ND		1.7	0.31	ug/Kg		05/14/15 14:23	05/15/15 17:27	1
Dieldrin	ND		1.7	0.40	ug/Kg		05/14/15 14:23	05/15/15 17:27	1
Endosulfan I	ND		1.7	0.32	ug/Kg		05/14/15 14:23	05/15/15 17:27	1
Endosulfan II	ND		1.7	0.30	ug/Kg		05/14/15 14:23	05/15/15 17:27	1
Endosulfan sulfate	ND		1.7	0.31	ug/Kg		05/14/15 14:23	05/15/15 17:27	1
Endrin	ND		1.7	0.33	ug/Kg		05/14/15 14:23	05/15/15 17:27	1
Heptachlor	ND		1.7	0.36	ug/Kg		05/14/15 14:23	05/15/15 17:27	1

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# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 480-242466/1-A

Matrix: Solid

Analysis Batch: 242738

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 242466

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lindane	ND		1.7	0.31	ug/Kg		05/14/15 14:23	05/15/15 17:27	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	75		32 - 136				05/14/15 14:23	05/15/15 17:27	1
DCB Decachlorobiphenyl	76		32 - 136				05/14/15 14:23	05/15/15 17:27	1
Tetrachloro-m-xylene	89		30 - 124				05/14/15 14:23	05/15/15 17:27	1
Tetrachloro-m-xylene	78		30 - 124				05/14/15 14:23	05/15/15 17:27	1

Lab Sample ID: LCS 480-242466/2-A

Matrix: Solid

Analysis Batch: 242738

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 242466

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	16.6	13.4		ug/Kg		80	52 - 138
4,4'-DDE	16.6	12.1		ug/Kg		73	52 - 131
4,4'-DDT	16.6	12.1		ug/Kg		73	50 - 131
Aldrin	16.6	10.1		ug/Kg		61	35 - 120
alpha-BHC	16.6	12.7		ug/Kg		76	49 - 120
beta-BHC	16.6	12.1		ug/Kg		72	52 - 127
Chlordane (.alpha.)	16.6	12.2		ug/Kg		74	40 - 133
delta-BHC	16.6	14.5		ug/Kg		87	45 - 123
Dieldrin	16.6	12.9		ug/Kg		77	50 - 131
Endosulfan I	16.6	11.2		ug/Kg		67	43 - 121
Endosulfan II	16.6	11.7		ug/Kg		70	48 - 134
Endosulfan sulfate	16.6	12.7		ug/Kg		76	46 - 144
Endrin	16.6	13.0		ug/Kg		78	46 - 134
Heptachlor	16.6	12.8		ug/Kg		77	51 - 121
Lindane	16.6	13.3		ug/Kg		80	50 - 120
Surrogate	%Recovery	LCS Qualifier	Limits				
DCB Decachlorobiphenyl	73		32 - 136				
DCB Decachlorobiphenyl	73		32 - 136				
Tetrachloro-m-xylene	84		30 - 124				
Tetrachloro-m-xylene	73		30 - 124				

Lab Sample ID: 480-80176-1 MS

Matrix: Solid

Analysis Batch: 242738

Client Sample ID: CTS-1C

Prep Type: Total/NA

Prep Batch: 242466

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	ND	F1	19.5	ND	F1	ug/Kg	☼	0	26 - 162
4,4'-DDE	ND		19.5	ND		ug/Kg	☼	NC	34 - 138
4,4'-DDT	ND		19.5	50.8	J	ug/Kg	☼	NC	43 - 131
Aldrin	ND		19.5	ND		ug/Kg	☼	NC	37 - 125
alpha-BHC	ND	F1	19.5	ND	F1	ug/Kg	☼	0	39 - 117
beta-BHC	ND	F1	19.5	ND	F1	ug/Kg	☼	0	36 - 139
Chlordane (.alpha.)	ND		19.5	49.0	J	ug/Kg	☼	NC	29 - 141
delta-BHC	51	J	19.5	61.5	J	ug/Kg	☼	51	23 - 132

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# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 480-80176-1 MS

Matrix: Solid

Analysis Batch: 242738

Client Sample ID: CTS-1C

Prep Type: Total/NA

Prep Batch: 242466

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Dieldrin	ND		19.5	ND		ug/Kg	✱	NC	38 - 135
Endosulfan I	ND	F1	19.5	ND	F1	ug/Kg	✱	0	39 - 128
Endosulfan II	ND	F1	19.5	ND	F1	ug/Kg	✱	0	24 - 134
Endosulfan sulfate	ND	F1	19.5	49.9	J F1	ug/Kg	✱	255	19 - 137
Endrin	ND	F1	19.5	ND	F1	ug/Kg	✱	0	41 - 147
Heptachlor	ND		19.5	ND		ug/Kg	✱	NC	42 - 128
Lindane	ND	F1	19.5	37.1	J F1	ug/Kg	✱	190	50 - 120
Surrogate	MS %Recovery	MS Qualifier	Limits						
DCB Decachlorobiphenyl	0	X	32 - 136						
DCB Decachlorobiphenyl	0	X	32 - 136						
Tetrachloro-m-xylene	0	X	30 - 124						
Tetrachloro-m-xylene	0	X	30 - 124						

Lab Sample ID: 480-80176-1 MSD

Matrix: Solid

Analysis Batch: 242738

Client Sample ID: CTS-1C

Prep Type: Total/NA

Prep Batch: 242466

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
4,4'-DDD	ND	F1	19.2	ND	F1	ug/Kg	✱	0	26 - 162	NC	21
4,4'-DDE	ND		19.2	ND		ug/Kg	✱	NC	34 - 138	NC	18
4,4'-DDT	ND		19.2	51.2	J	ug/Kg	✱	NC	43 - 131	1	25
Aldrin	ND		19.2	ND		ug/Kg	✱	NC	37 - 125	NC	12
alpha-BHC	ND	F1	19.2	ND	F1	ug/Kg	✱	0	39 - 117	NC	15
beta-BHC	ND	F1	19.2	20.3	J	ug/Kg	✱	105	36 - 139	NC	19
Chlordane (.alpha.)	ND		19.2	49.1	J	ug/Kg	✱	NC	29 - 141	NC	23
delta-BHC	51	J	19.2	59.7	J	ug/Kg	✱	43	23 - 132	3	14
Dieldrin	ND		19.2	ND		ug/Kg	✱	NC	38 - 135	NC	12
Endosulfan I	ND	F1	19.2	ND	F1	ug/Kg	✱	0	39 - 128	NC	18
Endosulfan II	ND	F1	19.2	ND	F1	ug/Kg	✱	0	24 - 134	NC	26
Endosulfan sulfate	ND	F1	19.2	49.3	J F1	ug/Kg	✱	256	19 - 137	1	35
Endrin	ND	F1	19.2	ND	F1	ug/Kg	✱	0	41 - 147	NC	20
Heptachlor	ND		19.2	ND		ug/Kg	✱	NC	42 - 128	NC	22
Lindane	ND	F1	19.2	36.8	J F1	ug/Kg	✱	191	50 - 120	1	12
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
DCB Decachlorobiphenyl	0	X	32 - 136								
DCB Decachlorobiphenyl	0	X	32 - 136								
Tetrachloro-m-xylene	271	X	30 - 124								
Tetrachloro-m-xylene	344	X	30 - 124								

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# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

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

Lab Sample ID: MB 480-242716/1-A

Matrix: Solid

Analysis Batch: 242862

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 242716

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.22	0.043	mg/Kg		05/15/15 12:43	05/16/15 11:19	1
PCB-1221	ND		0.22	0.043	mg/Kg		05/15/15 12:43	05/16/15 11:19	1
PCB-1232	ND		0.22	0.043	mg/Kg		05/15/15 12:43	05/16/15 11:19	1
PCB-1242	ND		0.22	0.043	mg/Kg		05/15/15 12:43	05/16/15 11:19	1
PCB-1248	ND		0.22	0.043	mg/Kg		05/15/15 12:43	05/16/15 11:19	1
PCB-1254	ND		0.22	0.10	mg/Kg		05/15/15 12:43	05/16/15 11:19	1
PCB-1260	ND		0.22	0.10	mg/Kg		05/15/15 12:43	05/16/15 11:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	103		60 - 154	05/15/15 12:43	05/16/15 11:19	1
Tetrachloro-m-xylene	99		60 - 154	05/15/15 12:43	05/16/15 11:19	1
DCB Decachlorobiphenyl	93		65 - 174	05/15/15 12:43	05/16/15 11:19	1
DCB Decachlorobiphenyl	104		65 - 174	05/15/15 12:43	05/16/15 11:19	1

Lab Sample ID: LCS 480-242716/2-A

Matrix: Solid

Analysis Batch: 242862

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 242716

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
PCB-1016	1.69	2.10		mg/Kg		124	51 - 185
PCB-1260	1.69	2.19		mg/Kg		129	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	125		60 - 154
Tetrachloro-m-xylene	114		60 - 154
DCB Decachlorobiphenyl	106		65 - 174
DCB Decachlorobiphenyl	120		65 - 174

## Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 480-242596/1-A

Matrix: Solid

Analysis Batch: 243291

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 242596

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-TP (Silvex)	ND		17	5.9	ug/Kg		05/15/15 08:38	05/19/15 15:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	68		28 - 129	05/15/15 08:38	05/19/15 15:19	1
DCAA	77		28 - 129	05/15/15 08:38	05/19/15 15:19	1

Lab Sample ID: LCS 480-242596/2-A

Matrix: Solid

Analysis Batch: 243291

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 242596

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
2,4,5-TP (Silvex)	64.9	42.7		ug/Kg		66	26 - 168

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# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCAA	59		28 - 129
DCAA	71		28 - 129

## Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-242173/1-A  
Matrix: Solid  
Analysis Batch: 242568

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 242173

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.0	0.39	mg/Kg		05/13/15 15:12	05/14/15 23:22	1
Barium	ND		0.49	0.11	mg/Kg		05/13/15 15:12	05/14/15 23:22	1
Beryllium	ND		0.20	0.027	mg/Kg		05/13/15 15:12	05/14/15 23:22	1
Cadmium	ND		0.20	0.029	mg/Kg		05/13/15 15:12	05/14/15 23:22	1
Chromium	ND		0.49	0.20	mg/Kg		05/13/15 15:12	05/14/15 23:22	1
Copper	ND		0.98	0.20	mg/Kg		05/13/15 15:12	05/14/15 23:22	1
Lead	ND		0.98	0.23	mg/Kg		05/13/15 15:12	05/14/15 23:22	1
Manganese	0.108	J	0.20	0.031	mg/Kg		05/13/15 15:12	05/14/15 23:22	1
Nickel	ND		4.9	0.22	mg/Kg		05/13/15 15:12	05/14/15 23:22	1
Selenium	ND		3.9	0.39	mg/Kg		05/13/15 15:12	05/14/15 23:22	1
Silver	ND		0.59	0.20	mg/Kg		05/13/15 15:12	05/14/15 23:22	1
Zinc	0.274	J	2.0	0.15	mg/Kg		05/13/15 15:12	05/14/15 23:22	1

Lab Sample ID: LCSSRM 480-242173/2-A  
Matrix: Solid  
Analysis Batch: 242568

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 242173

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	122	108.8		mg/Kg		89.1	70.0 - 145.1
Barium	167	155.9		mg/Kg		93.4	73.1 - 126.9
Beryllium	54.3	50.11		mg/Kg		92.3	73.1 - 127.1
Cadmium	88.0	82.76		mg/Kg		94.0	73.3 - 127.3
Chromium	102	93.23		mg/Kg		91.4	69.4 - 130.4
Copper	78.0	74.09		mg/Kg		95.0	73.7 - 132.1
Lead	94.5	97.39		mg/Kg		103.1	70.5 - 129.1
Manganese	401	311.3	^	mg/Kg		77.6	76.1 - 123.9
Nickel	56.3	58.99		mg/Kg		104.8	69.8 - 130.0
Selenium	157	141.9		mg/Kg		90.4	67.5 - 131.8
Silver	34.2	31.81		mg/Kg		93.0	65.5 - 134.2
Zinc	207	185.6		mg/Kg		89.7	70.0 - 130.4

TestAmerica Buffalo



# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

## Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-80176-1 MS

Matrix: Solid

Analysis Batch: 242568

Client Sample ID: CTS-1C

Prep Type: Total/NA

Prep Batch: 242173

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Arsenic	4.7	F1	45.0	41.92		mg/Kg	☼	83	75 - 125
Barium	62.6	F1	45.0	122.9	F1	mg/Kg	☼	134	75 - 125
Beryllium	0.50	F1	45.0	37.81		mg/Kg	☼	83	75 - 125
Cadmium	0.68	F1	45.0	40.11		mg/Kg	☼	88	75 - 125
Chromium	13.8	F1	45.0	56.38		mg/Kg	☼	95	75 - 125
Copper	173	F1	45.0	63.24	F1	mg/Kg	☼	-243	75 - 125
Lead	65.3	F2 F1	45.0	96.98	F1	mg/Kg	☼	70	75 - 125
Manganese	281	^ F2 F1 B	45.0	353.5	^ 4	mg/Kg	☼	160	75 - 125
Nickel	12.6	F1	45.0	56.57		mg/Kg	☼	98	75 - 125
Selenium	ND	F1	45.0	37.26		mg/Kg	☼	83	75 - 125
Silver	ND	F1	11.3	10.43		mg/Kg	☼	93	75 - 125
Zinc	94.4	F1 B	45.0	125.7	F1	mg/Kg	☼	70	75 - 125

Lab Sample ID: 480-80176-1 MSD

Matrix: Solid

Analysis Batch: 242568

Client Sample ID: CTS-1C

Prep Type: Total/NA

Prep Batch: 242173

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Arsenic	4.7	F1	45.2	45.23		mg/Kg	☼	90	75 - 125	8	20
Barium	62.6	F1	45.2	118.7		mg/Kg	☼	124	75 - 125	3	20
Beryllium	0.50	F1	45.2	39.81		mg/Kg	☼	87	75 - 125	5	20
Cadmium	0.68	F1	45.2	41.90		mg/Kg	☼	91	75 - 125	4	20
Chromium	13.8	F1	45.2	57.95		mg/Kg	☼	98	75 - 125	3	20
Copper	173	F1	45.2	61.86	F1	mg/Kg	☼	-245	75 - 125	2	20
Lead	65.3	F2 F1	45.2	119.1	F2	mg/Kg	☼	119	75 - 125	21	20
Manganese	281	^ F2 F1 B	45.2	234.9	^ 4 F2	mg/Kg	☼	-103	75 - 125	40	20
Nickel	12.6	F1	45.2	57.42		mg/Kg	☼	99	75 - 125	1	20
Selenium	ND	F1	45.2	39.01		mg/Kg	☼	86	75 - 125	5	20
Silver	ND	F1	11.3	11.16		mg/Kg	☼	99	75 - 125	7	20
Zinc	94.4	F1 B	45.2	154.1	F1	mg/Kg	☼	132	75 - 125	20	20

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

Lab Sample ID: MB 480-243068/1-A

Matrix: Solid

Analysis Batch: 243286

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 243068

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.0083	mg/Kg		05/18/15 14:30	05/18/15 16:25	1

Lab Sample ID: LCSSRM 480-243068/2-A

Matrix: Solid

Analysis Batch: 243286

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 243068

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	Limits
Mercury	3.98	3.62		mg/Kg		90.9	51.0 - 149.0

TestAmerica Buffalo



# QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

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

Lab Sample ID: 480-80176-1 MS

Matrix: Solid

Analysis Batch: 243286

Client Sample ID: CTS-1C

Prep Type: Total/NA

Prep Batch: 243068

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.080	F1	0.391	0.370	F1	mg/Kg	☼	74	80 - 120

Lab Sample ID: 480-80176-1 MSD

Matrix: Solid

Analysis Batch: 243286

Client Sample ID: CTS-1C

Prep Type: Total/NA

Prep Batch: 243068

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Mercury	0.080	F1	0.387	0.350	F1	mg/Kg	☼	70	80 - 120	6	20

## Method: 9012B - Cyanide, Total and/or Amenable

Lab Sample ID: MB 480-242476/1-A

Matrix: Solid

Analysis Batch: 242525

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 242476

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.99	0.48	mg/Kg		05/14/15 14:25	05/14/15 19:58	1

Lab Sample ID: LCS 480-242476/2-A

Matrix: Solid

Analysis Batch: 242525

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 242476

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	101	92.33		mg/Kg		91	29 - 122

## Method: 9045D - pH

Lab Sample ID: 480-80176-1 DU

Matrix: Solid

Analysis Batch: 242153

Client Sample ID: CTS-1C

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	Prepared	Analyzed	RPD	Limit
pH	7.67	HF	7.520		SU				2	5

## Method: Lloyd Kahn - Organic Carbon, Total (TOC)

Lab Sample ID: MB 180-141842/3

Matrix: Solid

Analysis Batch: 141842

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1000	88.7	mg/Kg			05/15/15 13:05	1

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## QC Sample Results

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

### Method: Lloyd Kahn - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: LCS 180-141842/4

Matrix: Solid

Analysis Batch: 141842

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	22900	19010		mg/Kg		83	75 - 125

# QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

## GC/MS VOA

### Prep Batch: 242785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-80176-1	CTS-1C	Total/NA	Solid	5035	
480-80176-2	CTS-2C	Total/NA	Solid	5035	
480-80176-3	CTS-3C	Total/NA	Solid	5035	
480-80176-4	CTS-4G	Total/NA	Solid	5035	
480-80176-5	CTS-5G	Total/NA	Solid	5035	
480-80176-6	CTS-6G	Total/NA	Solid	5035	
480-80176-7	CTS-7G	Total/NA	Solid	5035	
480-80176-8	CTS-8G	Total/NA	Solid	5035	
480-80176-9	CTS-9G	Total/NA	Solid	5035	
480-80176-10	CTS-10G	Total/NA	Solid	5035	
480-80176-11	CTS-11G	Total/NA	Solid	5035	
480-80176-12	CTS-12G	Total/NA	Solid	5035	
LCS 480-242785/1-A	Lab Control Sample	Total/NA	Solid	5035	
MB 480-242785/2-A	Method Blank	Total/NA	Solid	5035	

### Analysis Batch: 242879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-80176-1	CTS-1C	Total/NA	Solid	8260C	242785
480-80176-2	CTS-2C	Total/NA	Solid	8260C	242785
480-80176-3	CTS-3C	Total/NA	Solid	8260C	242785
480-80176-4	CTS-4G	Total/NA	Solid	8260C	242785
480-80176-5	CTS-5G	Total/NA	Solid	8260C	242785
480-80176-6	CTS-6G	Total/NA	Solid	8260C	242785
480-80176-7	CTS-7G	Total/NA	Solid	8260C	242785
480-80176-8	CTS-8G	Total/NA	Solid	8260C	242785
480-80176-9	CTS-9G	Total/NA	Solid	8260C	242785
480-80176-10	CTS-10G	Total/NA	Solid	8260C	242785
480-80176-11	CTS-11G	Total/NA	Solid	8260C	242785
480-80176-12	CTS-12G	Total/NA	Solid	8260C	242785
LCS 480-242785/1-A	Lab Control Sample	Total/NA	Solid	8260C	242785
MB 480-242785/2-A	Method Blank	Total/NA	Solid	8260C	242785

## GC/MS Semi VOA

### Prep Batch: 242467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-80176-1	CTS-1C	Total/NA	Solid	3550C	
480-80176-2	CTS-2C	Total/NA	Solid	3550C	
480-80176-3	CTS-3C	Total/NA	Solid	3550C	
LCS 480-242467/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 480-242467/1-A	Method Blank	Total/NA	Solid	3550C	

### Analysis Batch: 242578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-80176-1	CTS-1C	Total/NA	Solid	8270D	242467
480-80176-2	CTS-2C	Total/NA	Solid	8270D	242467
480-80176-3	CTS-3C	Total/NA	Solid	8270D	242467
LCS 480-242467/2-A	Lab Control Sample	Total/NA	Solid	8270D	242467
MB 480-242467/1-A	Method Blank	Total/NA	Solid	8270D	242467

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# QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

## GC Semi VOA

### Prep Batch: 242466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-80176-1	CTS-1C	Total/NA	Solid	3550C	
480-80176-1 MS	CTS-1C	Total/NA	Solid	3550C	
480-80176-1 MSD	CTS-1C	Total/NA	Solid	3550C	
480-80176-2	CTS-2C	Total/NA	Solid	3550C	
480-80176-3	CTS-3C	Total/NA	Solid	3550C	
LCS 480-242466/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 480-242466/1-A	Method Blank	Total/NA	Solid	3550C	

### Prep Batch: 242596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-80176-1	CTS-1C	Total/NA	Solid	8151A	
480-80176-2	CTS-2C	Total/NA	Solid	8151A	
480-80176-3	CTS-3C	Total/NA	Solid	8151A	
LCS 480-242596/2-A	Lab Control Sample	Total/NA	Solid	8151A	
MB 480-242596/1-A	Method Blank	Total/NA	Solid	8151A	

### Prep Batch: 242716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-80176-1	CTS-1C	Total/NA	Solid	3550C	
480-80176-2	CTS-2C	Total/NA	Solid	3550C	
480-80176-3	CTS-3C	Total/NA	Solid	3550C	
LCS 480-242716/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 480-242716/1-A	Method Blank	Total/NA	Solid	3550C	

### Analysis Batch: 242738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-80176-1	CTS-1C	Total/NA	Solid	8081B	242466
480-80176-1 MS	CTS-1C	Total/NA	Solid	8081B	242466
480-80176-1 MSD	CTS-1C	Total/NA	Solid	8081B	242466
480-80176-2	CTS-2C	Total/NA	Solid	8081B	242466
480-80176-3	CTS-3C	Total/NA	Solid	8081B	242466
LCS 480-242466/2-A	Lab Control Sample	Total/NA	Solid	8081B	242466
MB 480-242466/1-A	Method Blank	Total/NA	Solid	8081B	242466

### Analysis Batch: 242862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-80176-1	CTS-1C	Total/NA	Solid	8082A	242716
480-80176-2	CTS-2C	Total/NA	Solid	8082A	242716
480-80176-3	CTS-3C	Total/NA	Solid	8082A	242716
LCS 480-242716/2-A	Lab Control Sample	Total/NA	Solid	8082A	242716
MB 480-242716/1-A	Method Blank	Total/NA	Solid	8082A	242716

### Analysis Batch: 243291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-80176-1	CTS-1C	Total/NA	Solid	8151A	242596
480-80176-2	CTS-2C	Total/NA	Solid	8151A	242596
480-80176-3	CTS-3C	Total/NA	Solid	8151A	242596
LCS 480-242596/2-A	Lab Control Sample	Total/NA	Solid	8151A	242596
MB 480-242596/1-A	Method Blank	Total/NA	Solid	8151A	242596

TestAmerica Buffalo

# QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

## Metals

### Prep Batch: 242173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-80176-1	CTS-1C	Total/NA	Solid	3050B	
480-80176-1 MS	CTS-1C	Total/NA	Solid	3050B	
480-80176-1 MSD	CTS-1C	Total/NA	Solid	3050B	
480-80176-2	CTS-2C	Total/NA	Solid	3050B	
480-80176-3	CTS-3C	Total/NA	Solid	3050B	
LCSSRM 480-242173/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 480-242173/1-A	Method Blank	Total/NA	Solid	3050B	

### Analysis Batch: 242568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-80176-1	CTS-1C	Total/NA	Solid	6010C	242173
480-80176-1 MS	CTS-1C	Total/NA	Solid	6010C	242173
480-80176-1 MSD	CTS-1C	Total/NA	Solid	6010C	242173
480-80176-2	CTS-2C	Total/NA	Solid	6010C	242173
480-80176-3	CTS-3C	Total/NA	Solid	6010C	242173
LCSSRM 480-242173/2-A	Lab Control Sample	Total/NA	Solid	6010C	242173
MB 480-242173/1-A	Method Blank	Total/NA	Solid	6010C	242173

### Prep Batch: 243068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-80176-1	CTS-1C	Total/NA	Solid	7471B	
480-80176-1 MS	CTS-1C	Total/NA	Solid	7471B	
480-80176-1 MSD	CTS-1C	Total/NA	Solid	7471B	
480-80176-2	CTS-2C	Total/NA	Solid	7471B	
480-80176-3	CTS-3C	Total/NA	Solid	7471B	
LCSSRM 480-243068/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 480-243068/1-A	Method Blank	Total/NA	Solid	7471B	

### Analysis Batch: 243286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-80176-1	CTS-1C	Total/NA	Solid	7471B	243068
480-80176-1 MS	CTS-1C	Total/NA	Solid	7471B	243068
480-80176-1 MSD	CTS-1C	Total/NA	Solid	7471B	243068
480-80176-2	CTS-2C	Total/NA	Solid	7471B	243068
480-80176-3	CTS-3C	Total/NA	Solid	7471B	243068
LCSSRM 480-243068/2-A	Lab Control Sample	Total/NA	Solid	7471B	243068
MB 480-243068/1-A	Method Blank	Total/NA	Solid	7471B	243068

## General Chemistry

### Analysis Batch: 141842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-80176-1	CTS-1C	Total/NA	Solid	Lloyd Kahn	
480-80176-2	CTS-2C	Total/NA	Solid	Lloyd Kahn	
480-80176-3	CTS-3C	Total/NA	Solid	Lloyd Kahn	
LCS 180-141842/4	Lab Control Sample	Total/NA	Solid	Lloyd Kahn	
MB 180-141842/3	Method Blank	Total/NA	Solid	Lloyd Kahn	

TestAmerica Buffalo

# QC Association Summary

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

## General Chemistry (Continued)

### Analysis Batch: 242153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-80176-1	CTS-1C	Total/NA	Solid	9045D	
480-80176-1 DU	CTS-1C	Total/NA	Solid	9045D	
480-80176-2	CTS-2C	Total/NA	Solid	9045D	
480-80176-3	CTS-3C	Total/NA	Solid	9045D	
LCS 480-242153/1	Lab Control Sample	Total/NA	Solid	9045D	

### Prep Batch: 242476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-80176-1	CTS-1C	Total/NA	Solid	9012B	
480-80176-2	CTS-2C	Total/NA	Solid	9012B	
480-80176-3	CTS-3C	Total/NA	Solid	9012B	
LCS 480-242476/2-A	Lab Control Sample	Total/NA	Solid	9012B	
MB 480-242476/1-A	Method Blank	Total/NA	Solid	9012B	

### Analysis Batch: 242525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-80176-1	CTS-1C	Total/NA	Solid	9012B	242476
480-80176-2	CTS-2C	Total/NA	Solid	9012B	242476
480-80176-3	CTS-3C	Total/NA	Solid	9012B	242476
LCS 480-242476/2-A	Lab Control Sample	Total/NA	Solid	9012B	242476
MB 480-242476/1-A	Method Blank	Total/NA	Solid	9012B	242476

### Analysis Batch: 242529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-80176-1	CTS-1C	Total/NA	Solid	Moisture	
480-80176-2	CTS-2C	Total/NA	Solid	Moisture	
480-80176-3	CTS-3C	Total/NA	Solid	Moisture	
480-80176-4	CTS-4G	Total/NA	Solid	Moisture	
480-80176-5	CTS-5G	Total/NA	Solid	Moisture	
480-80176-6	CTS-6G	Total/NA	Solid	Moisture	
480-80176-7	CTS-7G	Total/NA	Solid	Moisture	
480-80176-8	CTS-8G	Total/NA	Solid	Moisture	
480-80176-9	CTS-9G	Total/NA	Solid	Moisture	
480-80176-10	CTS-10G	Total/NA	Solid	Moisture	
480-80176-11	CTS-11G	Total/NA	Solid	Moisture	
480-80176-12	CTS-12G	Total/NA	Solid	Moisture	

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

**Client Sample ID: CTS-1C**

**Date Collected: 05/12/15 00:00**

**Date Received: 05/12/15 15:15**

**Lab Sample ID: 480-80176-1**

**Matrix: Solid**

**Percent Solids: 84.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			242785	05/15/15 16:06	RAS	TAL BUF
Total/NA	Analysis	8260C		1	242879	05/16/15 16:11	CDC	TAL BUF
Total/NA	Prep	3550C			242467	05/14/15 14:33	CPH	TAL BUF
Total/NA	Analysis	8270D		20	242578	05/15/15 16:00	LMW	TAL BUF
Total/NA	Prep	3550C			242466	05/14/15 14:23	CPH	TAL BUF
Total/NA	Analysis	8081B		50	242738	05/15/15 18:41	JRL	TAL BUF
Total/NA	Prep	3550C			242716	05/15/15 12:43	CAM	TAL BUF
Total/NA	Analysis	8082A		1	242862	05/16/15 12:54	KS	TAL BUF
Total/NA	Prep	8151A			242596	05/15/15 08:38	CAM	TAL BUF
Total/NA	Analysis	8151A		1	243291	05/19/15 20:16	JRL	TAL BUF
Total/NA	Prep	3050B			242173	05/13/15 15:12	TAS	TAL BUF
Total/NA	Analysis	6010C		1	242568	05/14/15 23:36	AMH	TAL BUF
Total/NA	Prep	7471B			243068	05/18/15 14:30	LRK	TAL BUF
Total/NA	Analysis	7471B		1	243286	05/18/15 16:29	LRK	TAL BUF
Total/NA	Prep	9012B			242476	05/14/15 14:25	NDB	TAL BUF
Total/NA	Analysis	9012B		1	242525	05/14/15 20:07	JME	TAL BUF
Total/NA	Analysis	9045D		1	242153	05/13/15 10:50	MGH	TAL BUF
Total/NA	Analysis	Lloyd Kahn		1	141842	05/15/15 16:41	JDD	TAL PIT
Total/NA	Analysis	Moisture		1	242529	05/14/15 21:27	MJH	TAL BUF

**Client Sample ID: CTS-2C**

**Date Collected: 05/12/15 00:00**

**Date Received: 05/12/15 15:15**

**Lab Sample ID: 480-80176-2**

**Matrix: Solid**

**Percent Solids: 84.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			242785	05/15/15 16:06	RAS	TAL BUF
Total/NA	Analysis	8260C		1	242879	05/16/15 16:37	CDC	TAL BUF
Total/NA	Prep	3550C			242467	05/14/15 14:33	CPH	TAL BUF
Total/NA	Analysis	8270D		20	242578	05/15/15 16:26	LMW	TAL BUF
Total/NA	Prep	3550C			242466	05/14/15 14:23	CPH	TAL BUF
Total/NA	Analysis	8081B		50	242738	05/15/15 19:00	JRL	TAL BUF
Total/NA	Prep	3550C			242716	05/15/15 12:43	CAM	TAL BUF
Total/NA	Analysis	8082A		1	242862	05/16/15 13:10	KS	TAL BUF
Total/NA	Prep	8151A			242596	05/15/15 08:38	CAM	TAL BUF
Total/NA	Analysis	8151A		1	243291	05/19/15 20:46	JRL	TAL BUF
Total/NA	Prep	3050B			242173	05/13/15 15:12	TAS	TAL BUF
Total/NA	Analysis	6010C		1	242568	05/14/15 23:49	AMH	TAL BUF
Total/NA	Prep	7471B			243068	05/18/15 14:30	LRK	TAL BUF
Total/NA	Analysis	7471B		1	243286	05/18/15 16:37	LRK	TAL BUF
Total/NA	Prep	9012B			242476	05/14/15 14:25	NDB	TAL BUF
Total/NA	Analysis	9012B		1	242525	05/14/15 20:08	JME	TAL BUF
Total/NA	Analysis	9045D		1	242153	05/13/15 10:50	MGH	TAL BUF
Total/NA	Analysis	Lloyd Kahn		1	141842	05/15/15 17:08	JDD	TAL PIT

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

**Client Sample ID: CTS-2C**

**Date Collected: 05/12/15 00:00**

**Date Received: 05/12/15 15:15**

**Lab Sample ID: 480-80176-2**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	242529	05/14/15 21:27	MJH	TAL BUF

**Client Sample ID: CTS-3C**

**Date Collected: 05/12/15 00:00**

**Date Received: 05/12/15 15:15**

**Lab Sample ID: 480-80176-3**

**Matrix: Solid**

**Percent Solids: 80.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			242785	05/15/15 16:06	RAS	TAL BUF
Total/NA	Analysis	8260C		1	242879	05/16/15 17:03	CDC	TAL BUF
Total/NA	Prep	3550C			242467	05/14/15 14:33	CPH	TAL BUF
Total/NA	Analysis	8270D		20	242578	05/15/15 16:52	LMW	TAL BUF
Total/NA	Prep	3550C			242466	05/14/15 14:23	CPH	TAL BUF
Total/NA	Analysis	8081B		20	242738	05/15/15 19:18	JRL	TAL BUF
Total/NA	Prep	3550C			242716	05/15/15 12:43	CAM	TAL BUF
Total/NA	Analysis	8082A		1	242862	05/16/15 13:26	KS	TAL BUF
Total/NA	Prep	8151A			242596	05/15/15 08:38	CAM	TAL BUF
Total/NA	Analysis	8151A		1	243291	05/19/15 21:16	JRL	TAL BUF
Total/NA	Prep	3050B			242173	05/13/15 15:12	TAS	TAL BUF
Total/NA	Analysis	6010C		1	242568	05/14/15 23:52	AMH	TAL BUF
Total/NA	Prep	7471B			243068	05/18/15 14:30	LRK	TAL BUF
Total/NA	Analysis	7471B		1	243286	05/18/15 16:38	LRK	TAL BUF
Total/NA	Prep	9012B			242476	05/14/15 14:25	NDB	TAL BUF
Total/NA	Analysis	9012B		1	242525	05/14/15 20:10	JME	TAL BUF
Total/NA	Analysis	9045D		1	242153	05/13/15 10:50	MGH	TAL BUF
Total/NA	Analysis	Lloyd Kahn		1	141842	05/15/15 17:18	JDD	TAL PIT
Total/NA	Analysis	Moisture		1	242529	05/14/15 21:27	MJH	TAL BUF

**Client Sample ID: CTS-4G**

**Date Collected: 05/12/15 00:00**

**Date Received: 05/12/15 15:15**

**Lab Sample ID: 480-80176-4**

**Matrix: Solid**

**Percent Solids: 84.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			242785	05/15/15 16:06	RAS	TAL BUF
Total/NA	Analysis	8260C		1	242879	05/16/15 17:29	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	242529	05/14/15 21:27	MJH	TAL BUF

**Client Sample ID: CTS-5G**

**Date Collected: 05/12/15 00:00**

**Date Received: 05/12/15 15:15**

**Lab Sample ID: 480-80176-5**

**Matrix: Solid**

**Percent Solids: 79.6**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			242785	05/15/15 16:06	RAS	TAL BUF
Total/NA	Analysis	8260C		1	242879	05/16/15 17:55	CDC	TAL BUF

TestAmerica Buffalo



# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	242529	05/14/15 21:27	MJH	TAL BUF

**Client Sample ID: CTS-6G**

**Date Collected: 05/12/15 00:00**

**Date Received: 05/12/15 15:15**

**Lab Sample ID: 480-80176-6**

**Matrix: Solid**

**Percent Solids: 78.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			242785	05/15/15 16:06	RAS	TAL BUF
Total/NA	Analysis	8260C		1	242879	05/16/15 18:20	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	242529	05/14/15 21:27	MJH	TAL BUF

**Client Sample ID: CTS-7G**

**Date Collected: 05/12/15 00:00**

**Date Received: 05/12/15 15:15**

**Lab Sample ID: 480-80176-7**

**Matrix: Solid**

**Percent Solids: 84.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			242785	05/15/15 16:06	RAS	TAL BUF
Total/NA	Analysis	8260C		1	242879	05/16/15 18:46	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	242529	05/14/15 21:27	MJH	TAL BUF

**Client Sample ID: CTS-8G**

**Date Collected: 05/12/15 00:00**

**Date Received: 05/12/15 15:15**

**Lab Sample ID: 480-80176-8**

**Matrix: Solid**

**Percent Solids: 82.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			242785	05/15/15 16:06	RAS	TAL BUF
Total/NA	Analysis	8260C		1	242879	05/16/15 19:12	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	242529	05/14/15 21:27	MJH	TAL BUF

**Client Sample ID: CTS-9G**

**Date Collected: 05/12/15 00:00**

**Date Received: 05/12/15 15:15**

**Lab Sample ID: 480-80176-9**

**Matrix: Solid**

**Percent Solids: 85.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			242785	05/15/15 16:06	RAS	TAL BUF
Total/NA	Analysis	8260C		1	242879	05/16/15 19:38	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	242529	05/14/15 21:27	MJH	TAL BUF

**Client Sample ID: CTS-10G**

**Date Collected: 05/12/15 00:00**

**Date Received: 05/12/15 15:15**

**Lab Sample ID: 480-80176-10**

**Matrix: Solid**

**Percent Solids: 84.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			242785	05/15/15 16:06	RAS	TAL BUF
Total/NA	Analysis	8260C		1	242879	05/16/15 20:04	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	242529	05/14/15 21:27	MJH	TAL BUF

TestAmerica Buffalo

# Lab Chronicle

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

**Client Sample ID: CTS-11G**

**Date Collected: 05/12/15 00:00**

**Date Received: 05/12/15 15:15**

**Lab Sample ID: 480-80176-11**

**Matrix: Solid**

**Percent Solids: 83.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			242785	05/15/15 16:06	RAS	TAL BUF
Total/NA	Analysis	8260C		1	242879	05/16/15 20:30	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	242529	05/14/15 21:27	MJH	TAL BUF

**Client Sample ID: CTS-12G**

**Date Collected: 05/12/15 00:00**

**Date Received: 05/12/15 15:15**

**Lab Sample ID: 480-80176-12**

**Matrix: Solid**

**Percent Solids: 73.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			242785	05/15/15 16:06	RAS	TAL BUF
Total/NA	Analysis	8260C		1	242879	05/16/15 20:55	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	242529	05/14/15 21:27	MJH	TAL BUF

## Laboratory References:

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

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

# Certification Summary

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

## 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	03-31-16
The following analytes are included in this report, but certification is not offered by the governing authority:				
Analysis Method	Prep Method	Matrix	Analyte	
Moisture		Solid	Percent Moisture	
Moisture		Solid	Percent Solids	

## Laboratory: TestAmerica Pittsburgh

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	88-0690	06-27-15
California	State Program	9	2891	03-31-16
Connecticut	State Program	1	PH-0688	09-30-16
Florida	NELAP	4	E871008	06-30-15
Illinois	NELAP	5	002602	06-30-15
Kansas	NELAP	7	E-10350	05-31-15 *
Louisiana	NELAP	6	04041	06-30-15
New Hampshire	NELAP	1	203011	04-04-16
New Jersey	NELAP	2	PA005	06-30-15
New York	NELAP	2	11182	03-31-16
North Carolina (WW/SW)	State Program	4	434	12-31-15
Pennsylvania	NELAP	3	02-00416	04-30-16
South Carolina	State Program	4	89014	04-30-15 *
Texas	NELAP	6	T104704528	03-31-16
US Fish & Wildlife	Federal		LE94312A-1	11-30-15
USDA	Federal		P-Soil-01	05-23-16
Utah	NELAP	8	STLP	05-31-15
Virginia	NELAP	3	460189	09-14-15
West Virginia DEP	State Program	3	142	01-31-16
Wisconsin	State Program	5	998027800	08-31-15

\* Certification renewal pending - certification considered valid.

TestAmerica Buffalo

## Method Summary

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

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
9012B	Cyanide, Total and/or Amenable	SW846	TAL BUF
9045D	pH	SW846	TAL BUF
Lloyd Kahn	Organic Carbon, Total (TOC)	EPA	TAL PIT
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 PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

## Sample Summary

Client: Iyer Environmental Group, LLC  
Project/Site: Pinto Topsoil (NY)

TestAmerica Job ID: 480-80176-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-80176-1	CTS-1C	Solid	05/12/15 00:00	05/12/15 15:15
480-80176-2	CTS-2C	Solid	05/12/15 00:00	05/12/15 15:15
480-80176-3	CTS-3C	Solid	05/12/15 00:00	05/12/15 15:15
480-80176-4	CTS-4G	Solid	05/12/15 00:00	05/12/15 15:15
480-80176-5	CTS-5G	Solid	05/12/15 00:00	05/12/15 15:15
480-80176-6	CTS-6G	Solid	05/12/15 00:00	05/12/15 15:15
480-80176-7	CTS-7G	Solid	05/12/15 00:00	05/12/15 15:15
480-80176-8	CTS-8G	Solid	05/12/15 00:00	05/12/15 15:15
480-80176-9	CTS-9G	Solid	05/12/15 00:00	05/12/15 15:15
480-80176-10	CTS-10G	Solid	05/12/15 00:00	05/12/15 15:15
480-80176-11	CTS-11G	Solid	05/12/15 00:00	05/12/15 15:15
480-80176-12	CTS-12G	Solid	05/12/15 00:00	05/12/15 15:15

## Chain of Custody Record

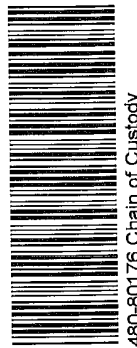
TAL-4124 (1007)

Temperature on Receipt \_\_\_\_\_

Drinking Water? Yes ☐ No ☒

Client <b>Iyer Environmental Group</b>	Project Manager <b>Dharma Iyer</b>	Date <b>May 12, 2015</b>	Chain of Custody Number <b>264446</b>
Address <b>44 Rolling Hills Dr</b>	Telephone Number (Area Code)/Fax Number <b>(716) 662-4157 / (716) 662-2110</b>	Lab Number	Page <b>1</b> of <b>1</b>
City <b>Orchard Park</b>	State <b>NY</b>	Zip Code <b>14127</b>	
Project Name and Location (State) <b>Pinto Topsoil (NY)</b>	Site Contact <b>R. Allen</b>	Lab Contact <b>M. Deyo</b>	
Contract/Purchase Order/Quote No.	Carrier/Waybill Number		

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives					Analysis (Attach list if more space is needed)						Special Instructions/ Conditions of Receipt
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc	TCL VOCs	TCL SVOCs	pests/PDBs/Herb	TAL MHS/Mer	Cyanide	pH	
CTS-1C	5/12/15					✓							✓	✓	✓	✓	✓	✓	All DER-10 Parameters
CTS-2C						✓							✓	✓	✓	✓	✓	✓	
CTS-3C						✓							✓	✓	✓	✓	✓	✓	
CTS-4G						✓							✓	✓	✓	✓	✓	✓	
CTS-5G						✓							✓	✓	✓	✓	✓	✓	
CTS-6G						✓							✓	✓	✓	✓	✓	✓	
CTS-7G						✓							✓	✓	✓	✓	✓	✓	
CTS-8G						✓							✓	✓	✓	✓	✓	✓	
CTS-9G						✓							✓	✓	✓	✓	✓	✓	
CTS-10G						✓							✓	✓	✓	✓	✓	✓	
CTS-11G						✓							✓	✓	✓	✓	✓	✓	
CTS-12G						✓							✓	✓	✓	✓	✓	✓	



480-80176 Chain of Custody

Possible Hazard Identification		Sample Disposal		QC Requirements (Specify)	
<input checked="" type="checkbox"/> Non-Hazard	<input type="checkbox"/> Flammable	<input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Poison B	<input type="checkbox"/> Unknown	<input type="checkbox"/> Archive For _____ Months
Turn Around Time Required		Disposal By Lab		(A fee may be assessed if samples are retained longer than 1 month)	
<input type="checkbox"/> 24 Hours	<input type="checkbox"/> 48 Hours	<input checked="" type="checkbox"/> 7 Days	<input type="checkbox"/> 14 Days	<input type="checkbox"/> 21 Days	<input type="checkbox"/> Other _____
1. Relinquished By <b>Richard C Allen Jr</b>		Received By <b>Dharma Iyer</b>		Date <b>5/12/15</b>	Time <b>1515</b>
2. Relinquished By		Received By		Date	Time
3. Relinquished By		Received By		Date	Time

Comments: Temp 13.6 #1 No Ice

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

## Login Sample Receipt Checklist

Client: Iyer Environmental Group, LLC

Job Number: 480-80176-1

**Login Number: 80176**

**List Number: 1**

**Creator: Kolb, Chris M**

**List Source: TestAmerica Buffalo**

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.	False	Refer to job narrative for details
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.	False	Refer to job narrative for details
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	
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	IYER ENV
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

## Login Sample Receipt Checklist

Client: Iyer Environmental Group, LLC

Job Number: 480-80176-1

**Login Number: 80176**

**List Number: 2**

**Creator: Lonzo, Michael A**

**List Source: TestAmerica Pittsburgh**

**List Creation: 05/14/15 08:35 PM**

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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 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 $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



**APPENDIX L**

**WORKER EXPOSURE ASSESSMENT REPORT**

August 6, 2015

Mr. Gary Catlin  
Pinto Construction Services, Inc.  
1 Babcock Street  
Buffalo, NY 14210

**SENT VIA-EMAIL**  
**8 pages**

RE: Worker Exposure Assessment - Arsenic and Lead  
132 Dingens Street, Buffalo NY

Dear Mr. Catlin:

Representative worker exposures to arsenic and lead were monitored on July 28, 2015 during initial excavation work at the above referenced project. All results were below the limit of analytical detection.

### **OPERATION DESCRIPTION**

Soil excavation and stockpiling operations were conducted at two locations at the site. Fifty (50) cubic yards of material were excavated and stockpiled at location TS-4, and an additional thirty (30) cubic yards from location TS-30.

Personal samples were collected from the excavator operator (Mr. Tony Bykowski) and groundman (Mr. Gary Catlin) during these initial excavation operations. Analytes included arsenic and lead which were indentified in the site-specific health and safety plan as persistent and problematic in the soils to be excavated. Sampling occurred for the majority of the work day. Personal protective equipment included disposable coveralls over work clothing.

All samples were collected in accordance with the National Institute for Occupational Safety and Health (NIOSH) Method 7300. The samples, along with a field blank sample, were submitted to Galson Laboratories in Syracuse NY. Galson is accredited by the American Industrial Hygiene Association and New York State Environmental Laboratory Approval Program for these analytes.

### **RESULTS**

Arsenic and lead were not detected in any sample.

### **CONCLUSIONS and RECOMMENDATIONS**

These data do not suggest worker exposures above current Action Levels or Personal Exposure Limits

**FRED L. SMITH JR. CIH, CSP LLC**

PO Box 2204  
Niagara University, NY 14109  
Tel (716) 830-5350  
e-mail: flsmithjr@usa.net

under these conditions for the analytes monitored. The following is recommended:

1. Continue to use personal protective equipment and work procedures established in the Site Specific Health and Safety Plan.
2. Re-sample worker exposures if conditions change including but not limited to increasing fugitive dust generation, significantly increased production, etc.
3. Notify both individuals sampled of their results within 5 days.

The analytical report, and sample custody documentation are attached for your reference. If I can answer any questions, or be of any other service, please do not hesitate to call on me.

Rest Regards,



Fred L. Smith Jr. CIH, CSP

ATTACHMENTS

cc: Jim Panepinto





Mr. Fred Smith, Jr., CIH, CSP  
PO Box 2204  
Niagara University, NY 14109

August 05, 2015

DOH ELAP #11626  
AIHA-LAP #100324

Account# 16949

Login# L352125

Dear Mr. Smith:

Enclosed are the analytical results for the samples received by our laboratory on July 30, 2015. All test results meet the quality control requirements of AIHA-LAP and NELAC unless otherwise stated in this report. All samples on the chain of custody were received in good condition unless otherwise noted.

Results in this report are based on the sampling data provided by the client and refer only to the samples as they were received at the laboratory. Unless otherwise requested, all samples will be discarded 14 days from the date of this report, with the exception of IOMs, which will be cleaned and disposed of after seven calendar days.

Current Scopes of Accreditation can be viewed at [www.galsonlabs.com](http://www.galsonlabs.com) in the accreditations section under the "about Galson" tab.

Please contact Amanda Frateschi at (888) 432-5227, if you would like any additional information regarding this report. Thank you for using Galson Laboratories.

Sincerely,

Galson Laboratories

Mary G. Unangst  
Laboratory Director

Enclosure(s)

Galson Laboratories, Inc. is now a part of SGS, the world's leading inspection, verification, testing, and certification company. As part of our transition to SGS, you will begin to see some formatting changes with reports that will improve the presentation of data and allow for the transition to the new logo.



## LABORATORY ANALYSIS REPORT

6601 Kirkville Road  
East Syracuse, NY 13057  
(315) 432-5227  
FAX: (315) 437-0571  
www.galsonlabs.com

Client : Fred L. Smith Jr., CIH, CSP  
Site : 132 DINGENS ST.

Account No.: 16949  
Login No. : L352125

Date Sampled : 28-JUL-15  
Date Received : 30-JUL-15

Date Analyzed : 31-JUL-15 - 03-AUG-15  
Report ID : 894170

---

**Arsenic**

<u>Sample ID</u>	<u>Lab ID</u>	<u>Air Vol</u> <u>liter</u>	<u>Total</u> <u>ug</u>	<u>Conc</u> <u>mg/m3</u>
1	L352125-1	708	<0.30	<0.00042
2	L352125-2	708	<0.30	<0.00042
3 (FIELD BLANK)	L352125-3	NA	<0.30	NA

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

---

Level of quantitation: 0.30 ug  
Analytical Method : mod. NIOSH 7300/mod. OSHA ID-125G; ICP  
OSHA PEL : 0.01 mg/m3 (TWA)  
Collection Media : MCE UW 37mm

Submitted by: JMR/AS  
Approved by : JJL  
Date : 05-AUG-15  
Supervisor: KEG  
NYS DOH # : 11626  
QC by: AMD

---

< -Less Than	mg -Milligrams	m3 -Cubic Meters	kg -Kilograms	NA -Not Applicable	ND -Not Detected
> -Greater Than	ug -Micrograms	l -Liters	NS -Not Specified	ppm -Parts per Million	



## LABORATORY ANALYSIS REPORT

6601 Kirkville Road  
East Syracuse, NY 13057  
(315) 432-5227  
FAX: (315) 437-0571  
www.galsonlabs.com

Client : Fred L. Smith Jr., CIH, CSP  
Site : 132 DINGENS ST.

Date Sampled : 28-JUL-15  
Date Received : 30-JUL-15

Account No.: 16949  
Login No. : L352125

Date Analyzed : 31-JUL-15 - 03-AUG-15  
Report ID : 894171

---

**Lead**

<u>Sample ID</u>	<u>Lab ID</u>	<u>Air Vol liter</u>	<u>Total ug</u>	<u>Conc mg/m3</u>
1	L352125-1	708	<0.38	<0.00053
2	L352125-2	708	<0.38	<0.00053
3 (FIELD BLANK)	L352125-3	NA	<0.38	NA

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

---

Level of quantitation: 0.38 ug  
Analytical Method : mod. NIOSH 7300/mod. OSHA ID-125G; ICP  
OSHA PEL : 0.05 mg/m3 (TWA)  
Collection Media : MCE UW 37mm

Submitted by: JMR/AS  
Approved by : JJL  
Date : 05-AUG-15  
Supervisor: KEG  
NYS DOH # : 11626  
QC by: AMD

---

< -Less Than	mg -Milligrams	m3 -Cubic Meters	kg -Kilograms	NA -Not Applicable	ND -Not Detected
> -Greater Than	ug -Micrograms	l -Liters	NS -Not Specified	ppm -Parts per Million	



## LABORATORY FOOTNOTE REPORT

Client Name : Fred L. Smith Jr., CIH, CSP  
Site : 132 DINGENS ST.

6601 Kirkville Road  
East Syracuse, NY 13057  
(315) 432-5227  
FAX: (315) 437-0571  
www.galsonlabs.com

Date Sampled : 28-JUL-15  
Date Received: 30-JUL-15  
Date Analyzed: 31-JUL-15 - 03-AUG-15

Account No.: 16949  
Login No. : L352125

Unless otherwise noted below, all quality control results associated with the samples were within established control limits or did not impact reported results.

The laboratory does not have control over sampling; reported concentrations are based on client-supplied information (e.g. air volume, sampling time, area).

Unrounded results are carried through the calculations that yield the final result and the final result is rounded to the number of significant figures appropriate to the accuracy of the analytical method. Please note that results appearing in the columns preceeding the final result column may have been rounded in order to fit the report format and therefore, if carried through the calculations, may not yield an identical final result to the one reported.

The stated LOQs for each analyte represent the demonstrated LOQ concentrations prior to correction for desorption efficiency (if applicable).

Unless otherwise noted below, reported results have not been blank corrected for any field blank or method blank.

L352125 (Report ID: 894170):  
Reported results reflect elemental analysis of the requested metals. Certain compounds may not be solubilized during digestion, resulting in data that is biased low.  
SOPs: MT-SOP-9(27), im-mwvfilt(22)

L352125-1 (Report ID: 894170):  
Particulate present on the back-up pad. Back-up pad was digested and analyzed with the filter.

L352125 (Report ID: 894170):  
Accuracy and mean recovery data presented below is based on a 95% confidence interval (k=2).  
The estimated uncertainty applies to the media, technology, and SOP referenced in this report and does not account for the uncertainty associated with the sampling process.

Parameter	Accuracy	Mean Recovery
Arsenic	+/-8.9%	103%

L352125 (Report ID: 894171):  
Reported results reflect elemental analysis of the requested metals. Certain compounds may not be solubilized during digestion, resulting in data that is biased low.  
SOPs: MT-SOP-9(27), im-mwvfilt(22)

L352125-1 (Report ID: 894171):  
Particulate present on the back-up pad. Back-up pad was digested and analyzed with the filter.

<	-Less Than	mg -Milligrams	m3 -Cubic Meters	kg -Kilograms	ppm -Parts per Million	
>	-Greater Than	ug -Micrograms	l -Liters	NS -Not Specified	ND -Not Detected	NA -Not Applicable



## LABORATORY FOOTNOTE REPORT

Client Name : Fred L. Smith Jr., CIH, CSP  
Site : 132 DINGENS ST.

6601 Kirkville Road  
East Syracuse, NY 13057  
(315) 432-5227  
FAX: (315) 437-0571  
www.galsonlabs.com

Date Sampled : 28-JUL-15      Account No.: 16949  
Date Received: 30-JUL-15      Login No. : L352125  
Date Analyzed: 31-JUL-15 - 03-AUG-15

Accuracy and mean recovery data presented below is based on a 95% confidence interval (k=2).  
The estimated uncertainty applies to the media, technology, and SOP referenced in this report  
and does not account for the uncertainty associated with the sampling process.

Parameter	Accuracy	Mean Recovery
Lead	+/-7.8%	98.3%

< -Less Than	mg -Milligrams	m3 -Cubic Meters	kg -Kilograms	ppm -Parts per Million	
> -Greater Than	ug -Micrograms	l -Liters	NS -Not Specified	ND -Not Detected	NA -Not Applicable



076751  
Date: 07/30/15  
Shipper: FEDEX  
Initials: AMsk



Prep: PSY349214

L352125

☐ New Client?

Report To\*: FRED L. SMITH JR. CIH, CSP

Invoice To\*: SANR

Client Account No.\*:

16949

PO BOX 2204  
NIAGARA UNIVERSITY, NY  
14109

Phone No.\*:

716 830-5350

Phone No.:

Cell No.:

Email:

Email Results To:

FRED SMITH

Purchase Order No.:

Email Address:

FLEMTAIL@USA.NET

Credit Card: ☐ Credit Card on File ☐ Call for Credit Card Info

<b>Need Results By*:</b>	(surcharge)	<input checked="" type="checkbox"/> Samples submitted using the FreePumpLoan™ Program.		<input type="checkbox"/> Samples submitted using the FreeSamplingBadges™ Program.			
<input checked="" type="checkbox"/> Standard	0%	Site Name: <u>132 DINGEN'S ST.</u>		Project: _____			
<input type="checkbox"/> 4 Business Days	35%	Comments:		Sampled By: <u>FLS</u>			
<input type="checkbox"/> 3 Business Days	50%	List description of industry or process/interferences present in sampling area:		State samples were collected in (ex. NY):			
<input type="checkbox"/> 2 Business Days	75%						
<input type="checkbox"/> Next Day by 6pm	100%						
<input type="checkbox"/> Next Day by Noon	150%						
<input type="checkbox"/> Same Day	200%	Please indicate which OEL this data will be used for:		<input type="checkbox"/> OSHA PEL <input type="checkbox"/> ACGIH TLV <input type="checkbox"/> Cal OSHA <input type="checkbox"/> MSHA <input type="checkbox"/> Other (specify):			
<b>Sample Identification*</b> (Maximum of 20 characters, ID's longer than 20 characters will be abbreviated.)	Date Sampled* (mm/dd/yy)	Collection Medium	Sample Volume, Sample Time, or Sample Area*	Sample Units* L, ml, min., in2, cm2, ft2	Analysis Requested*	Method Reference^	Hexavalent Chromium Process (ex. welding, plating, painting, etc.)*
Example	01/01/11	2pc UW PVC	960	L	Hexavalent Chromium (Cr6)	mod. OSHA ID-215	Welding
1	7/28/15	2pc UW PVC	708	L	Pb, As	NLST 7200	/
2	↓	↓	708	L	Pb, As	↓	
3 (FIELD BLANK)	↓	↓	—	—	PA, As	↓	
		OK 7/30/15					

\*Galson Laboratories will substitute our routine/preferred method if it does not match the method listed on the COC unless this box is checked: ☐ Use method(s) listed on COC

For metals analysis: If requesting an analyte with the option of a lower LOQ please indicate if the lower LOQ is required (only available for certain analytes see SAG):

For crystalline silica: form(s) of silica needed must be indicated (Quartz, Cristobalite, and/or Tridymite)\*:

Chain of Custody	Print Name/Signature	Date/Time	Print Name/Signature	Date/Time
Relinquished by:	<u>FRED SMITH</u>	<u>7/29/15 1000</u>	Received by:	
Relinquished by:			Received by:	<u>M. Hance</u>

Samples received after 3pm will be considered next day's business. 05-AUG-15 18:30

\*Required fields, failure to complete these fields may result in a delay in your samples being processed.

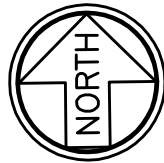
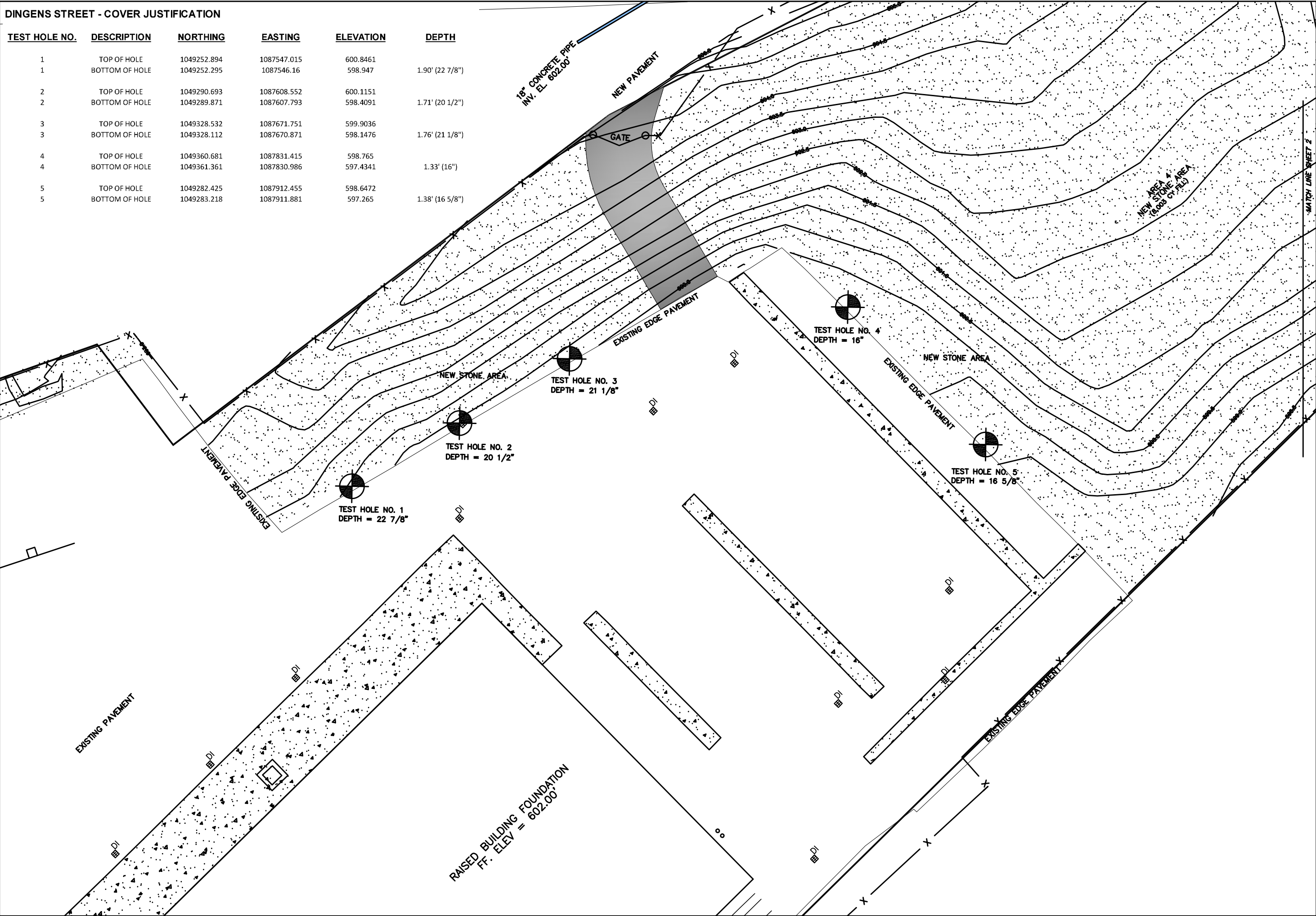
Page 1 of 1

# **APPENDIX M**

## **COVER SYSTEM DEPTH VERIFICATION**

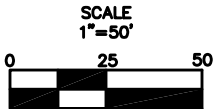
DINGENS STREET - COVER JUSTIFICATION

TEST HOLE NO.	DESCRIPTION	NORTHING	EASTING	ELEVATION	DEPTH
1	TOP OF HOLE	1049252.894	1087547.015	600.8461	
1	BOTTOM OF HOLE	1049252.295	1087546.16	598.947	1.90' (22 7/8")
2	TOP OF HOLE	1049290.693	1087608.552	600.1151	
2	BOTTOM OF HOLE	1049289.871	1087607.793	598.4091	1.71' (20 1/2")
3	TOP OF HOLE	1049328.532	1087671.751	599.9036	
3	BOTTOM OF HOLE	1049328.112	1087670.871	598.1476	1.76' (21 1/8")
4	TOP OF HOLE	1049360.681	1087831.415	598.765	
4	BOTTOM OF HOLE	1049361.361	1087830.986	597.4341	1.33' (16")
5	TOP OF HOLE	1049282.425	1087912.455	598.6472	
5	BOTTOM OF HOLE	1049283.218	1087911.881	597.265	1.38' (16 5/8")



LEGEND

DESIGN STATION	0+00
EXISTING SPOT EL.	X 571.9
BENCHMARK	
UTILITY POLE	
MANHOLE	
CATCH BASIN	
FIRE HYDRANT	
EXISTING FENCE	X-X-X
EXISTING WATERLINE	— W —
EXISTING ELECTRIC	— E —
EXISTING STORM	— ST —
EXISTING SANITARY	— SA —
EXISTING GAS	— G —
OVERHEAD WIRES	— OHW —
EXISTING TELEPHONE	— T —



Pinto Construction Services  
1 Babcock Street, Buffalo, NY 14210  
Phone: (716) 825-6666  
Fax: 716-825-6773

PROJECT NUMBER  
16-003

NO.	DATE	REVISION

DRAWN BY: GJM

APPROVED BY: PKD

DATE: APRIL 13, 2016

DINGENS STREET TEST HOLES  
BUFFALO, NEW YORK

AS-BUILT  
SURVEY

(SHEET 1 OF 1)

## DINGENS STREET - COVER JUSTIFICATION

<u>TEST HOLE NO.</u>	<u>DESCRIPTION</u>	<u>NORTHING</u>	<u>EASTING</u>	<u>ELEVATION</u>	<u>DEPTH</u>
1	TOP OF HOLE	1049252.894	1087547.015	600.8461	
1	BOTTOM OF HOLE	1049252.295	1087546.16	598.947	1.90' (22 7/8")
2	TOP OF HOLE	1049290.693	1087608.552	600.1151	
2	BOTTOM OF HOLE	1049289.871	1087607.793	598.4091	1.71' (20 1/2")
3	TOP OF HOLE	1049328.532	1087671.751	599.9036	
3	BOTTOM OF HOLE	1049328.112	1087670.871	598.1476	1.76' (21 1/8")
4	TOP OF HOLE	1049360.681	1087831.415	598.765	
4	BOTTOM OF HOLE	1049361.361	1087830.986	597.4341	1.33' (16")
5	TOP OF HOLE	1049282.425	1087912.455	598.6472	
5	BOTTOM OF HOLE	1049283.218	1087911.881	597.265	1.38' (16 5/8")

# DINGENS STREET PROJECT

## TEST HOLE NO. 1

<u>TEST HOLE NO.</u>	<u>DESCRIPTION</u>	<u>NORTHING</u>	<u>EASTING</u>	<u>ELEVATION</u>
1	TOP OF HOLE	1049252.894	1087547.015	600.8461
1	BOTTOM OF HOLE	1049252.295	1087546.16	598.947





## DINGENS STREET PROJECT

### TEST HOLE NO. 2

<u>TEST HOLE NO.</u>	<u>DESCRIPTION</u>	<u>NORTHING</u>	<u>EASTING</u>	<u>ELEVATION</u>
2	TOP OF HOLE	1049290.693	1087608.552	600.1151
2	BOTTOM OF HOLE	1049289.871	1087607.793	598.4091





## DINGENS STREET PROJECT

### TEST HOLE NO. 3

<u>TEST HOLE NO.</u>	<u>DESCRIPTION</u>	<u>NORTHING</u>	<u>EASTING</u>	<u>ELEVATION</u>
3	TOP OF HOLE	1049328.532	1087671.751	599.9036
3	BOTTOM OF HOLE	1049328.112	1087670.871	598.1476





## DINGENS STREET PROJECT

### TEST HOLE NO. 4

<u>TEST HOLE NO.</u>	<u>DESCRIPTION</u>	<u>NORTHING</u>	<u>EASTING</u>	<u>ELEVATION</u>
4	TOP OF HOLE	1049360.681	1087831.415	598.765
4	BOTTOM OF HOLE	1049361.361	1087830.986	597.4341





## DINGENS STREET PROJECT

### TEST HOLE NO. 5

<u>TEST HOLE NO.</u>	<u>DESCRIPTION</u>	<u>NORTHING</u>	<u>EASTING</u>	<u>ELEVATION</u>
5	TOP OF HOLE	1049282.425	1087912.455	598.6472
5	BOTTOM OF HOLE	1049283.218	1087911.881	597.265

