CONSTRUCTION COMPLETION REPORT

FORMER AL-TECH SPECIALTY STEEL SITE BRIGHAM ROAD PLANT PICKLING AREA DEMOLITION

NYSDEC SITE NUMBER 907022 DUNKIRK, NEW YORK

Novemberr 2013 0041-011-100

Prepared for:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Prepared by:



Under Contract to:

REALCO, INC.

CONSTRUCTION COMPLETION REPORT BRIGHAM ROAD PLANT PICKLE AREA DEMOLITION FORMER AL-TECH SPECIALTY STEEL SITE

Table of Contents

BAC	CKGROUND AND SCOPE	
1.1		
1.2	C	
SUM	MMARY OF WORK	3
2.1		
2.2		
Pro	OJECT APPROACH	5
3.1		
3.2		
3.3		
3.4		
3.5		
CON	NTAMINATED MATERIALS HANDLING	7
4.1		
4.2		
4.3		
4.4		
RES	STORATION	10
5.1	Wall Treatment	10
5.2	Backfill	10
5.3		
DEV	VIATIONS EDOM THE DESIGN DOCUMENTS	10
	1.1 1.2 SUN 2.1 2.2 PRO 3.1 3.2 3.3 3.4 3.5 CON 4.1 4.2 4.3 4.4 RES 5.1 5.2 5.3	SUMMARY OF WORK. 2.1 Description of Demolition and Cleanup Measures 2.2 Community Participation. PROJECT APPROACH. 3.1 Contractors and Consultants. 3.2 Site Preparation. 3.3 Abatement and Demolition Work. 3.4 Nuisance Controls. 3.5 Photo Log. CONTAMINATED MATERIALS HANDLING. 4.1 Floor Area Soils and Brick. 4.2 Floor Pits - Impacted Material Removal/Cleaning. 4.3 Lime Mixing Pit - Sludge Stabilization. 4.4 Kolene® (KO62) Impacted Material Disposal Details. RESTORATION. 5.1 Wall Treatment. 5.2 Backfill.



CONSTRUCTION COMPLETION REPORT BRIGHAM ROAD PLANT PICKLE AREA DEMOLITION FORMER AL-TECH SPECIALTY STEEL SITE

Table of Contents

LIST OF FIGURES

Figure 1	Site Location and Vicinity Map
Figure 2	Site Plan

APPENDICES

Appendix A	Clearance Air Sample Data
Appendix B	Photo Log
Appendix C	Approved Waste Profiles
Appendix D	Signed Waste Manifests
Appendix E	Imported Materials Documentation



0092-012-201 ii

1.0 BACKGROUND AND SCOPE

1.1 Background

The former AL-Tech Specialty Steel Site encompasses approximately 90 acres of industrial property in the City of Dunkirk, Chautauqua County, New York. Located north of Willowbrook Avenue, south of Lucas Avenue, east of Brigham Road, the site is surrounded by mixed residential/commercial parcels (see Figure 1).

The Site was formerly used for iron and steel manufacture dating back to the early 1900's. Past operations at the facility included, among others: pickling (i.e., chemical treatment to remove surface scale and impurities from steel); heat treating; solvent cleaning; and metal plating operations. The current owner of the facilities, Dunkirk Specialty Steel (DSS), presently uses the facilities for the forging and finishing of stainless steel rod and wire from supplied billets.

Environmental investigations at the former AL-Tech Site began as early as 1985 as part of a RCRA permit application. Site-wide investigations from 1992 to 2008, which included the subject Brigham Road Plant (BRP), studied and identified several solid waste management units (SWMUS) and areas of concern (AOCs). In 1998 the New York State Department of Environmental Conservation listed the Site as a Class 2 site in the Registry of Inactive Hazardous Waste Disposal Sites in New York State, indicating that it poses a significant threat to human health and the environment. Numerous corrective actions and remedial measures were subsequently undertaken to address the AOCs and SWMUs.

Within the Brigham Road Plant (BRP) an approximate 6,000 square foot area of the manufacturing building was historically used by AL-Tech Specialty Steel for pickling operations (see Figure 2). Pickling within this area of the plant employed Kolene®, which is molten mixture of alkaline sodium and potassium hydroxides and proprietary additives used to remove surface impurities and scale from stainless steel products. Pickling operations in this particular area ceased in 1992 and the original Kolene® tank was removed from the plant site in 2002.

During the tank removal it was noted that the pickle room floor and portions of the walls exhibited a yellow-green discoloration attributable to residuals/staining from the pickling operation. These materials are generally characterized by elevated levels of chromium and hexavalent chromium originating from oxidation of stainless steel. The



residuals and staining posed no significant threat as they were wholly contained within the building. However, in subsequent years the roof over the former pickle room became increasingly dilapidated and was in danger of collapse, threatening to allow residuals on impacted surfaces to migrate to the surrounding soil and groundwater. Benchmark Environmental Engineering & Science, PLLC was therefore retained by Realco, Inc., the entity responsible for funding and jointly managing (with the NYSDEC) ongoing remedial obligations associated with the former AL-Tech Specialty Steel facility, to provide design-build services related to demolition of the pickling room and an adjacent mixing room (i.e., "the Site" as referred to herein).

1.2 Purpose and Organization

This Construction Completion Report (CCR) has been prepared to document the demolition and restoration activities undertaken in the BRP pickle area and the disposal of residual materials. This report is organized into six Sections:

- Section 2 provides an overview of the work performed, including the demolition and cleanup activities, restoration work and community participation.
- Section 3.0 summarizes the approach undertaken to complete each of the required work elements.
- Section 4.0 describes the management of Kolene®-impacted residuals, including disposal details.
- Section 5.0 identifies the restoration activities undertaken following demolition and residuals removal.
- Section 6.0 summarizes construction deviations from the approved design documents.

2



2.0 SUMMARY OF WORK

2.1 Description of Demolition and Cleanup Measures

Demolition and cleanup activities were completed at the Site in accordance with the NYSDEC-approved November 2011 Design Documents for the Former AL-Tech Specialty Steel Site BRP Pickle Area. Tasks performed included:

- Performance of a pre-demolition asbestos survey and filing of a New York State Department of Labor (NYSDOL) variance request related to abatement of asbestos containing material (ACM) during the planned demolition work.
- Performance of an updated structural assessment related to the northeast corner of the pickle room.
- Pumping down of three (3) concrete (below-grade) pits within the pickling room to remove standing water, with liquid wastes handled at the onsite wastewater pretreatment facility and pit solid waste/sludge materials excavated and disposed at an offsite permitted treatment storage and disposal facility (TSDF). In addition to this work, an open air outside concrete pump chamber was pumped down. Associated water from all this work was also discharged to the on-site wastewater pre-treatment facility.
- Plumbing modifications to re-route potable water and electrical service in the demolition area.
- Controlled demolition of the BRP pickling area south and east (exterior) walls and roof, as well as a detached mixing room adjacent to and east of the pickle area.
- Removal and disposal of Kolene®-impacted soils and scale from the pickling room floor as well as stained brick, with disposal of the materials at an offsite permitted TSDF.
- Pressure washing of all below grade brick and concrete walls and floors, followed by fracturing of the floors allow storm water infiltration.
- Backfill of all brick and concrete pits with approved clean brick material and imported off-site soil material to existing surrounding grades.

3

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- Sealing of the remaining north and west walls at the connection point with the former pickle area floor slab, and application of MRC (a proprietary additive produced by Regenesis® for immobilizing heavy metals) on residual stained areas of these remaining former interior walls.
- Restoration (flashing) of the northeast and southwest building corners and roofline formerly connected to the pickle room. Former doorways and production openings on the western and northern walls of the pickle area were also filled in with concrete block and/or brick and mortar.
- Placement of approved soil over the former pickle room floor area and seeding, as well as other minor work area improvements to facilitate drainage and mitigate erosion.

2.2 Community Participation

Community participation was effected through distribution of a Fact Sheet that summarized the proposed work. The Fact Sheet was distributed to local residents, businesses, governmental agencies, media, and other interested parties per the NYSDEC-approved distribution list in February 2012.



3.0 PROJECT APPROACH

3.1 Contractors and Consultants

Benchmark Environmental Engineering & Science, PLLC (Benchmark) carried out the demolition work on a design-build basis. Subcontractors retained to assist in the work included:

- Aaction Environmental Services Inc., 1790 Clinton Street, Buffalo, NY 14206, which provided third party air monitoring for asbestos abatement.
- Titan Wrecking & Environmental, LLC, 153 Wales Avenue, Tonawanda, NY 14151, which performed asbestos abatement, demolition, impacted material removal and disposal, and site restoration services.
- Lehigh Construction Group Inc., 4327 S. Taylor Road, Orchard Park, NY 14127, which performed sheet metal enclosure of the building corners and roof flashing, as well as block/brick enclosure of prior doorways and former production-related openings in the north and west walls of the pickle room.
- Stromecki Engineers, PC, 8744 Finch Road, Colden, NY 14033 which performed structural engineering consultant services related to the work.

3.2 Site Preparation

A pre-demolition asbestos survey was performed on June 15, 2011 to identify suspect asbestos containing materials (ACM) requiring abatement prior to or as part of the demolition project. A project planning meeting was held with representatives of Dunkirk Specialty Steel (DSS), NYSDEC, Benchmark Environmental and Titan Wrecking on January 05, 2012 to discuss the demolition and remediation approach and a tentative schedule for the project. Due to the nature of the project being a "partial" building demolition, Benchmark retained the services of Stromecki Engineers, PC (Structural Engineer Consultant) to update their initial evaluation of the structure for demolition performed earlier, as well as identifying structural members to remain and protection thereof. This evaluation was performed on January 20, 2012. A pre-construction meeting for the commencement of project was held on February 09, 2012 on site.

5



Pre-demolition preparation work was started by Titan Wrecking on February 13, 2012. Due to the location of existing utilities (electric conduit and waterline service for pump house) running through the mixing house (slated for demolition), these utilities were rerouted away from demolition work area.

3.3 Abatement and Demolition Work

Controlled demolition was started by Titan Wrecking on February 25, 2012 after proper notification of work and a variance request for controlled demolition was issued to the NYSDOL. Third party air monitoring was performed throughout the course of the controlled demolition work by Aaction Environmental Services Inc. During the course of this work, water was sprayed onto active work areas to control air-borne particulates from potentially leaving the work site. The controlled demolition portion of the project was completed on March 09, 2012 as final clearance air samples were taken and passed (see Appendix A). All generated demolition debris impacted by ACM (excluding Kolene®-impacted debris and soils/sediments) was transported to and disposed at the Waste Management, Inc. Chaffee Landfill; a NY State permitted sanitary landfill facility. Clean wall brick was reused as partial backfill in the pit areas of the building.

Security was maintained through permanent fencing, which surrounds the subject property and neighboring residential areas to the south and west.

Erosion control was achieved via minimization of the excavation area, direct loading of materials in lieu of stockpiling, and timely grading/seeding of disturbed areas related to project.

3.4 Nuisance Controls

Nuisance conditions were minimal do to the short duration of the heavy construction work (approximately 15 business days), which mitigated typical construction concerns such as noise, traffic and other disruption of the community. Dust control measures (water spray) were implemented as necessary during the impacted soil/fill removal work.

3.5 Photo Log

A photo log presenting key aspects of the work is included in Appendix B.

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4.0 CONTAMINATED MATERIALS HANDLING

As part of the select demolition activities on the Site, work involved removing and disposing contaminated materials from the pickle room floor and impacted brick, as well as cleanout of former production pits within the pickle area. In addition, sediment material discovered below grade in the concrete lime mixing building was stabilized in-place as discussed below.

All contaminated materials slated for offsite disposal were deemed characteristically hazardous and as such were disposed at a permitted TSDF (i.e., CWM Chemical Services, LLC Subtitle C landfill [NYD049836679] located in Model City, New York.

4.1 Floor Area Soils and Brick

Loose floor area soil and scale materials as well as brick materials exhibiting significant staining were disposed offsite in lieu of re-use as onsite backfill. During development of the waste profile for these materials it was determined that the floor soils/scale contained PCBs above 50 ppm. The original source of the PCBs was unknown, however it was suspected that historic electrical equipment may have been contributed to the detections. The loose floor brick material was pulled up and loaded into a lined roll-off container. Green/yellow-stained brick materials generated during the demolition work, indicative of Kolene® impacts, were also loaded into roll-off containers for disposal.

4.2 Floor Pits - Impacted Material Removal/Cleaning

The brick/concrete floor pits, which contained standing water and Kolene® sediment residuals, were pumped down, mucked out and power-washed during the period of February 16 to March 06, 2012. Initially, the pits were pumped down to remove standing water to a point as low as possible by on site (DSS) plant personnel prior to the start of project. All contact water was pumped to the on-site wastewater pretreatment facility via an existing sewer header pipe. The northernmost pit served as the lead pit in the Kolene® pickling operation. Sediments in this pit were characterized by trace PCB detections and Kolene® impacted waste residuals, visibly evident on sediment and brick within the lower two feet of concrete pit. Saw dust, wood chips and lime were mixed in with the sediments to absorb free



liquid prior to transport to the CWM Model City facility for disposal. The quenching pit (middle floor pit) also contained Kolene®-impacted residuals and PCBs slightly above 50 ppm; wood chips were also mixed in with this waste to absorb free liquid prior to disposal at the CWM Model City facility. The most southern pit (quench pit 2) contained minor Kolene®-impacted residuals with no detectable PCBs. Sawdust material was used to absorb water in this pit with the residuals similarly disposed at the CWM Model City facility.

4.3 Lime Mixing Pit - Sludge Stabilization

During the course of demolition of the former lime mixing structure, a concrete/brick below grade lower level was uncovered that consisted of two chambers, divided by an inside brick wall, approximately eight feet in depth. Standing water was evident in both chambers. The northern chamber consisted of clean brick and fallen building debris along with approximately 5 feet of standing water. The water was pumped out and discharged to on-site wastewater pretreatment facility.

The south chamber had approximately four feet of saturated sludge that was slightly elevated for nickel. The NYSDEC approved this material to be solidified in place by mixing in approximately 16 cubic yards of dry cement mix. By introduction of the dry mix, the sludge material solidified into a hardened solid state.

4.4 Kolene® (KO62) Impacted Material Disposal Details

As indicated above, all analytical data for disposed materials was transmitted to the designated disposal company (Waste Management, Inc., which owns and operates the CWM Model City facility) for approval. Due to the presence of Kolene®-impacted brick debris, sediment/sludge materials requiring absorbent addition to remove free liquids, and the presence of PCBs at varying concentration, three (3) separate waste profile applications and manifests were required to dispose these materials:

- WMI profile No. NY303426 (Brick materials impacted by Kolene® and soil/sediment materials impacted by Kolene® and PCBs).
- WMI profile No. NY303450 (Sediment materials impacted by Kolene® and PCBs, with wood-based absorbent)

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• WMI profile No. NY303472 (Sediment materials impacted by Kolene® only, with wood-based absorbent)

A copy of all the waste profile applications and acceptance from the landfill facility are presented in Appendix C.

Hazardous material disposal began on March 07, 2012, with the last load delivered on April 20, 2012. A total of 196 tons of impacted material was transported to the WMI Model City facility by Tonawanda Tank, a licensed solid waste transporter (NYSDEC #9A080). This included 27 tons of KO62 brick and debris material from floor area in the former pickle room, containing approximately PCBs >50 ppm, which was disposed as hazardous waste under WMI profile No. NY303426, 117 tons of KO62 sludge, containing PCBs at varying concentration, solidified with lime and wood chips from the Kolene® Pit and Quench Pit-1, which was disposed as hazardous waste under WMI profile No. NY303450, and 52 tons of KO62 sludge, with no PCBs present, from Quench Pit-2 that was stabilized with sawdust, and disposed as hazardous waste under WMI profile No. NY303472.

Manifests and bills of lading are included in Appendix D.



5.0 RESTORATION

Following completion of demolition activities and removal of impacted materials from the demolition area site restoration activities were undertaken as described below.

5.1 Wall Treatment

Following demolition the existing south exterior building brick wall exhibited some areas of Kolene® residue staining. These areas were wire brushed to remove any gross material, after which Regenesis MRC (Metals Remediation Compound) was applied onto the subject areas via roller and brush. After the MRC was applied and cured, an asphalt sealant material was applied to the base of the north and west walls to help seal against water intrusion.

5.2 Backfill

Imported backfill was comprised of approximately 250 cubic yards of soil material furnished by Titan Wrecking, Inc. The material came from a virgin source via a development site on Route 5 in Dunkirk, NY. This material had been stockpiled at Foreman Trucking property located at 10676 Brigham Road, Dunkirk, NY. Maurice Moore of the NYSDEC visually inspected the stockpiled material on March 30, 2012 and deemed it acceptable for import to the Site pending analytical characterization.

Representative samples (2) of the proposed soil borrow source were collected by Titan on March 30, 2012. These samples were submitted to TestAmerica Laboratories, Inc., an NYSDOH-approved laboratory, for analysis of the parameters listed below (i.e., encompassing the full suite of constituents regulated under 6NYCRR Part 375-6.8):

- USEPA Target Compound List (TCL) VOCs
- TCL SVOCs
- TCL pesticides/PCBs
- TCL Herbicides
- Cyanide
- Target Analyte List (TAL) Metals, including hexavalent chromium

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Sample results are included in Appendix E. As indicated, all detectable constituents were well below the allowable levels (i.e., commercial/Industrial SCOs). Accordingly, the NYSDEC approved the material for import as below grade structure backfill and surrounding grade cover material.

Backfilling began on April 02, 2012 and was substantially completed on April 17, 2012. Backfilling and grading was completed to restore each of the excavation areas to match surrounding grade.

All of the areas receiving soil were seeded with the equivalent of 100 lbs./acre of a seed mix to promote and sustain a hardy growth. Seeding was initiated in May, 2012

5.3 Enclosure Work

In accordance with the demolition contract documents, openings in the remaining (i.e., former interior) west and north wall of the pickle room were filled with concrete block (large production openings) and brick and mortar (mandoors and small openings). Due to the dilapidated nature of the brick where the former eastern and southern pickle room walls joined the remaining building structure it was not possible to repair these areas using masonry techniques. Rather, metal siding was employed to seal the openings. On the northeastern corner loose brick was evident in some areas and was therefore first secured with rods and steel plate prior to application of the siding.

Concurrent with this work the roof line on the remaining building at the point of connection to the former pickle room was flashed to seal the edge and mitigate wind damage.



6.0 DEVIATIONS FROM THE DESIGN DOCUMENTS

Deviations from the design were required to address unexpected conditions, primarily related to the unexpected presence of significant sediments in the pits, requiring stabilization with absorbent prior to disposal and development of additional waste profiles for the Kolene®-impacted materials. Other minor deviations included restoration of the building corners with metal sheeting in lieu of masonry as discussed in Section 5, and north wall treatment with MRC.

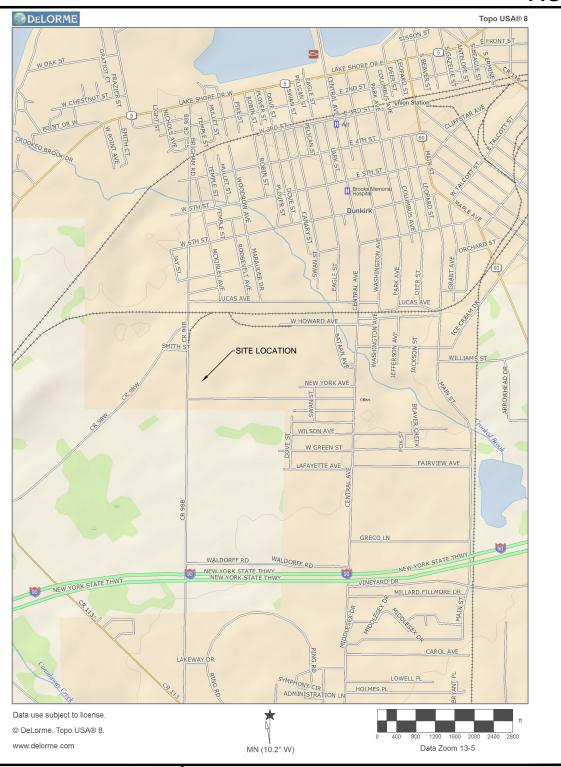
A more significant deviation undertaken by the property owner (DSS) involved removal of interior crane columns along the western side of the pickle room. Although independent from wall support columns, these were located along and adjacent to the interior western wall and were recommended to remain by Stromecki Engineers as supplemental structural support. DSS effected removal of these columns without consult with Benchmark or Stromecki.



FIGURES



FIGURE 1





2558 HAMBURG TURNPIKE SUITE 300 BUFFALO, NY 14218 (716) 856-0599

PROJECT NO.: 0041-011-100

DATE: OCTOBER 2013

DRAFTED BY: BLR

SITE LOCATION & VICINITY MAP

CONSTRUCTION COMPLETION REPORT

FORMER AL-Tech SPECIALTY STEEL - BRIGHAM ROAD PLANT DUNKIRK, NEW YORK

PREPARED FOR

REALCO INC.

DISCLAIMER:

PROPERTY OF BENCHMARK EES, PLLC. IMPORTANT: THIS DRAWING PRINT IS LOANED FOR MUTUAL ASSISTANCE AND AS SUCH IS SUBJECT TO RECALL AT ANY TIME. INFORMATION CONTAINED HEREON IS NOT TO BE DISCLOSED OR REPRODUCED IN ANY FORM FOR THE BENEFIT OF PARTIES OTHER THAN NECESSARY SUBCONTRACTORS & SUPPLIERS WITHOUT THE WRITTEN CONSENT OF BENCHMARK EES, PLLC.





2558 HAMBURG TURNPIKE SUITE 300 BUFFALO, NY 14218 (716) 856-0599

PROJECT NO.: 0041-011-100

DATE: OCTOBER 2013

DRAFTED BY: BLR

SITE PLAN (AERIAL)

CONSTRUCTION COMPLETION REPORT

FORMER AL-Tech SPECIALTY STEEL - BRIGHAM ROAD PLANT DUNKIRK, NEW YORK

PREPARED FOR

REALCO INC.

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APPENDIX A

CLEARANCE AIR SAMPLE DATA



AACTION ENVIRONMENTAL SERVICES INC.

March 16, 2012

Benchmark Environmental Engineering & Science Mr. Thomas Forbes 2558 Hamburg Turnpike, Suite 300 Buffalo, NY 14218

Project Name:

BPA Pickle Bldg - Controlled Demolition

Project Size: Large

Project Location: BPA Pickle Building

<u>Project Dates: 02/20/12 & </u>

830 Brigham Rd, Dunkirk, NY 14048

02/24/12-03/03/12

Dear Mr. Forbes.

Please find enclosed the Chain of Custodies, Phase Contrast Microscopy (PCM) air results and Maps/ Sample Locations for the above referenced project. Air monitoring consisted of Background, Work Area Preps, Asbestos Handling and Clearance/ Final sampling to monitor the concentrations of airborne fibrous materials on a large asbestos abatement project. Aaction Environmental Services, Inc conducted the air monitoring using commonly accepted sampling procedures acknowledged in New York State following guidelines and protocols of 12 NYCRR Part 56 - (NY State Code Rule #56). Air samples are designated I for Inside and O for Outside the work area. Please note, the clearance fiber concentrations were all less than 0.01 fibers per cubic centimeter, this meets (passes) satisfactory air sample testing criteria.

Benchmark Environmental Engineering & Science retained Aaction Environmental Services for (third party) Air Monitoring and Project Monitor/ Final Visual Inspection services on a large (Controlled Demolition) asbestos project located at the former Al Tech Steel - BPA Pickle Building, 830 Brigham Road, Dunkirk, NY 14048. Aaction Environmental Services, Inc performed the reporting and air monitoring duties. All samples were analyzed by Phase Contrast Microscopy (PCM) according to the National Institute of Safety and Health (NIOSH) Method 7400, Fourth Edition, Issue 2, 08/15/94 by EMSL Analytical, Inc - NY State ELAP # 11606.

The enclosed results are submitted pursuant to Aaction Environmental Services current terms and conditions of sale. No responsibility or liability is assumed for the manner in which these results are used or interpreted, these results pertain only to the items tested on the sample dates listed. Unless notified in writing, Aaction Environmental Services, Inc will discard what remains of the samples for this project after ninety days of storage.

Should you have any questions regarding the enclosed reports or require additional information please contact us at 716-818-1212.

Sincerely, _

Kewin Zielinski

President

1790 Clinton Street * Buffalo, NY 14206 * (716) 818-1212 * Fax (716) 677-8813

141200853 **CHAIN OF CUSTODY** ACTION ENVIRONMENTAL SERVICES INC. BENCHMARK ENVIRONMENTAL 1790 CLINTON STREET • BUFFALO, NY 14206 CLIENT NAME PHONE: (716) 818-1212 • FAX: (716) 677-8813 2558 HAMPLAY TURNPHILE SUTE 300 CLIENT ADDRESS Line 1 14218 LACKAWAWWN , NY CLIENT ADDRESS Line 2 PICKLE BUILDING - CONTROLLED DEMO PROJECT NAME 830 BRIGHAM RD SPECIALTY STEEL DUNKIRK BUNKIRK MY 14048 PROJECT ADDRESS PROJECT CONTACT PHONE CELL LAB RESULTS TO PHONE EPCM PO FAX TYPE: ASBESTOS LEAD_ INDUSTRIAL HYGIENE (ANALYZE PROJECT SIZE/TYPE ➤ **MINOR** SMALL (X) LARGE OTHER. SAMPLE TYPE S BACKGROUND IB PREP IIA HANDLING IIB **CLEARANCE IIC** TURN AROUND TIME > 48 HR 24 HR RUSH SAMPLE NUMBER $\mathbf{T} \cdot \mathbf{t}$ Z-3 I J I-4 I-5 0.6 0.7 0-8 B-2 0.9 0-10 B·/ LABORATORY (D SAMPLE I-4 I.I エ・3 I-5 エーケ 0-6 Ba 0-7 0-8 B٠ 0.9 LOCATION 0.10 ROTOMETER 3L 3L 3 L 3L 3L 31 NUMBER 3 L 31 3 L 3L **STARTING** 35 3.5 3, 5 35 35 3.5 35 35 FLOW RATE 3.5 3,5 ENDING 35 7. 5 3.5 3. 5 35 3,5 2.5 35 3 5 3,5 **FLOW RATE** AVE, FLOW 35 3, 5 3, 5 3 5 3, 5 3.5 3.5 3,5 35 3, 5 RATE (L/MIN) START TIME 0800 0801 0802 0803 0804 0805 0807 0808 0809 0806

COMMENTS:

FIBERS / cc

STOP TIME

SAMPLE

DURATION (MIN)

VOLUME (LITERS)

FIBERS / FIELDS

1101

180

630

1107

180

630

1103

180

630

1104

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630

1105

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1106

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SAMPLED BY ATTUTAL IN LEIN	DATE SAMPLED
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RECEIVED BY A CT	ANALYZED BY
CASSETTE LOV# 2/20/12 1:25 pm	
000	SCOPE #



490 Rowley Road, Depew, NY 14043

Phone: (716) 651-0030 Fax: (716) 651-0394 Email: buffalolab@emsl.com

Attn: Steven J. Klein

AAction Environmental Services, Inc.

1790 Clinton Street

Customer ID:

KZIE77

Customer PO: Received:

0.0

02/20/12 1:25 PM

EMSL Order:

141200853

Buffalo, NY 14206

Fax:

Phone: (716) 818-1212

Project: BPA Pickle Building, Controlled Demo Background iB

EMSL Proj:

Analysis Date:

2/21/2012

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	LOD (fib/cc)	Fibers/ mm²	Fibers/ cc Notes	
1-1	l-1	2/20/2012	630.00	<5.5	100	0.004	<7.01	<0.004	
141200853-0001									
1-2	1-2	2/20/2012	630.00	<5.5	100	0.004	<7.01	<0.004	
141200853-0002									
I-3	1-3	2/20/2012	630.00	<5.5	100	0.004	<7.01	<0.004	
141200853-0003									
1-4	1-4	2/20/2012	630.00	<5.5	100	0.004	<7.01	<0.004	
141200853-0004									
I-5	I-5	2/20/2012	630.00	<5.5	100	0.004	<7.01	<0.004	
141200853-0005									
O-6	O-6	2/20/2012	630.00	<5.5	100	0.004	<7.01	<0.004	
141200853-0006									
0-7	0-7	2/20/2012	630.00	<5.5	100	0.004	<7.01	<0.004	
141200853-0007									
O-8	O-8	2/20/2012	630.00	<5.5	100	0.004	<7.01	<0.004	
141200853-0008									
O-9	O-9	2/20/2012	630.00	<5.5	100	0.004	<7.01	<0.004	
141200853-0009									
O-10 141200853-0010	O-10	2/20/2012	630.00	<5.5	100	0.004	<7.01	<0.004	

nitial report from 02/21/2012	14:59:22
-------------------------------	----------

Analyst(s)
Linda K. Ward (12)

Rhonda

McDee

Rhonda McGee, Laboratory Manager or other approved signatory

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.31, 21-50 fibers = 0.30, 51-100 fibers = 0.25. Inter-laboratory SR values (Average of EMSL round robin data) = 0.29. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. EMSL is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. Results have been blank corrected as applicable. The results in this report meet all requirements of the NELAC standards unless otherwise noted. Samples received in good condition unless otherwise noted.



490 Rowley Road, Depew, NY 14043

Fax: (716) 651-0394 Email: buffalolab@emsl.com Phone: (716) 651-0030

Attn: Steven J. Klein

AAction Environmental Services, Inc.

Project: BPA Pickle Building, Controlled Demo Background iB

1790 Clinton Street

Customer ID:

KZIE77

Customer PO:

Received:

02/20/12 1:25 PM

EMSL Order:

141200853

Buffalo, NY 14206

Fax:

Phone: (716) 818-1212

EMSL Proj:

Analysis Date:

2/21/2012

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94

Sample	Location	Sample Date	Volume (liters) Fibers	Fields	LOD (fib/cc)	Fibers/ mm²	Fibers/ cc	Notes	
B-1	B-1	2/20/2012	<5.5	100		<7.01		Field Slank	
141200853-0	011								
B-2	B-2	2/20/2012	<5.5	100		<7.01		Field Blank	
141200853-0	012								

The results reported have been blank corrected as applicable.

liai	report	from	02/21/2012	14:59:22
------	--------	------	------------	----------

Analyst(s)

Linda K. Ward (12)

Rhonda McGee, Laboratory Manager or other approved signatory

Limit of detection is 7 fibers/mm², intra-laboratory Sr values: 5-20 fibers = 0.31, 21-50 fibers = 0.30, 51-100 fibers = 0.25. Inter-laboratory SR values (Average of EMSL round robin data) = 0.29. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL boars no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. EMSL is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. Results have been blank corrected as applicable. The results in this report meet all requirements of the NELAC standards unless otherwise noted. Samples received in good condition unless otherwise noted. Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

CHAIN OF CUSTODY

1790 CLINTON STREET • BUFFALO, NY 14206 Benchmark Environmental CLIENT NAME PHONE: (716) 818-1212 • FAX: (716) 677-8813 **CLIENT ADDRESS Line 1 CLIENT ADDRESS Line 2** BPA Pickle Bidg, Controlled Demolition -PROJECT NAME Dunkirk Specialty Steel, 830 Brigham Road, Dunkirk, NY 14048 PROJECT ADDRESS PROJECT CONTACT PHONE CELL LAB RESULTS TO PHONE FAX (m) TYPE: ASBESTOS X-PCM LEAD_ INDUSTRIAL HYGIENE (ANALYZE **SMALL** (●)LARGE PROJECT SIZE/TYPE ➤ **MINOR** OTHER **BACKGROUND IB** PREP IIA SAMPLE TYPE HANDLING IIB **CLEARANCE !!C** 24 HR TURN AROUND TIME ➤ 48 HR RUSH SAMPLE NUMBER 0-4 0-5 0.2 0-3 BH B 2 LABORATORY ID SAMPLE 0-1 0-4 0-2 ᢀ 0-5 BI BZ LOCATION ROTOMETER 31 31 3 L 3L 32 NUMBER STARTING 2.0 20 20 20),0 FLOW RATE **ENDING** 2.0 2.020 2.0 20 FLOW RATE AVE. FLOW 2,0 2.0 2.0 20 20 RATE (L/MIN) START TIME ()701 0700 0707 0703 *0*704 STOP TIME Moi 1402 1400 1404 1403 **DURATION (MIN)** 420 420 47 O 42 o 470 SAMPLE 840 840 840 840 840 **VOLUME (LITERS)** FIBERS / FIELDS FIBERS / cc Mease contact the @ 603.8101 if any sample is > 101 flice.
THANX. COMMENTS: SAMPLED BY DATE SAMPLED 24/12 TRANSPORTED FROM TRANSPORTED BY / DATE EMSL RECEIVED/8Y ANALYZED BY CASSETTE LOT # SCOPE #

1417,00949

CTION ENVIRONMENTAL SERVICES INC.



490 Rowley Road, Depew, NY 14043

Phone: (716) 651-0030 Fax: (716) 651-0394 Email: bulfatolab@emsl.com

Attn: Steven J. Klein

AAction Environmental Services, Inc.

1790 Clinton Street

Customer ID:

KZIE77

Customer PO:

Received:

02/24/12 3:50 PM

EMSL Order:

141200949

Buffalo, NY 14206

Fax:

Phone: (716) 818-1212

Project: **BPA Pickle Bldg Controlled Demolition Prep IIA** EMSL Proj:

Analysis Date:

2/27/2012

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94

Sample	Location	Sample Date	Volume (liters) 1	Tibers	Fields	LOD (fib/cc)	Fibers/ mm²	Fibers/ cc Notes
O-1	0-1	2/24/2012	840.00	6	100	0.003	7.64	0.004
141200949-0001								•
O-2	0-2	2/24/2012	840.00	<5.5	100	0.003	<7.01	<0.003
141200949-0002								
O-3	O-3	2/24/2012	840.00	<5.5	100	0.003	<7.01	<0.003
141200949-0003								
O4	0-4	2/24/2012	840.00	<5.5	100	0.003	<7.01	<0.003
141200949-0004								
O-5	O-5	2/24/2012	840.00	<5.5	100	0.003	<7.01	<0.003
141200949-0005								
B-1	B-1	2/24/2012		<5.5	100		<7.01	Field Blank
141200949-0006								
B-2	B-2	2/24/2012		<5.5	100	· <u>.</u>	<7.01	Field Blank
141200949-0007								

The results reported have been blank corrected as applicable.

Initial report from 02/27/2012 13:44:07

Analyst(s)

Linda K. Ward (7)

Rhonda McGee, Laboratory Manager or other approved signatory

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.31, 21-50 fibers = 0.30, 51-100 fibers = 0.25. Inter-laboratory SR values (Average of EMSt. round robin data) = 0.29. EMSt. maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSt. EMSt. bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. EMSt. is not responsible for data reported in fibers/co, which is dependent on volume collected by non-laboratory personnel. Results have been blank corrected as applicable. The results in this report meet all requirements of the NELAC standards unless otherwise noted. Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

CHAIN OF CUSTODY

ACTION ENVIRONMENTAL SERVICES INC. 1790 CLINTON STREET • BUFFALO, NY 14206 Benchmark Environmental CLIENT NAME PHONE: (716) 818-1212 • FAX: (716) 677-8813 **CLIENT ADDRESS Line 1 CLIENT ADDRESS Line 2** HAMDLING) BPA Pickle Bldg, Controlled Demolition -PROJECT NAME Dunkirk Specialty Steel, 830 Brigham Road, Dunkirk, NY 14048 PROJECT ADDRESS PROJECT CONTACT PHONE CELL PHONE FAX LAB RESULTS TO TYPE: ASBESTOS_X-PCM Amit LEAD, INDUSTRIAL HYGIENE (ANALYZE **MINOR SMALL** (●) LARGE PROJECT SIZE/TYPE ➤ OTHER. PREP IIA SAMPLE TYPE **BACKGROUND IB** (X) HANDLING IIB CLEARANCE IIC (X) 24 HR RUSH TURN AROUND TIME > 48 HR SAMPLE NUMBER 0.5 B-1 BZ 0-4 6-2 0-3 0-1 LABORATORY ID SAMPLE 0.5 0-3 B-1 13.2 O-4 (') — 0-2 LOCATION ROTOMETER 3L 36 3L 3L 3L NUMBER STARTING 2.0 <u>ي</u> ۾ 20 2.0 2.0 FLOW RATE **ENDING** 20 a.6 2,0 FLOW RATE AVE, FLOW 20 20 2.0 20 RATE (L/MIN) START TIME 0732 ñ 130 0733 0734 0731 STOP TIME 1934 930 1931 1932 193> DURATION (MIN) 720 726 720 720 720 SAMPLE 1440 1440 1440 1440 14140 **VOLUME (LITERS)** FIBERS / FIELDS FIBERS / cc COMMENTS: Meure contra Attro @ 603.8101 if any sample is 7,01 f/ SAMPLED BY DATE SAMPLED 25/12 TRANSPORTED BY / DATE TRANSPORTED FROM TE TO EMSL RECEIVED BYWY ANALYZED BY CASSETTE LÓT # SCOPE #

141700961



490 Rowley Road, Depew. NY 14043

Fax: (716) 651-0394 Phone: (716) 651-0030 Email: <u>bullalolab@emsl.com</u>

Attn: Steven J. Klein

AAction Environmental Services, Inc.

BPA Pickle Bldg Controlled Demolition Handling IIB

1790 Clinton Street

Customer ID:

KZIE77

Customer PO:

Received: EMSL Order: 02/27/12 8:00 AM 141200961

Buffalo, NY 14206

Fax: Project: Phone: (716) 818-1212

EMSL Proj:

Analysis Date:

2/28/2012

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94

Sample	Location	Sample Date	Volume (liters) 1	ibers	Fields	LOD (fib/cc)	Fibers/ mm²	Fibers/ cc Notes
0-1	O-1	2/25/2012	1440.00	<5.5	100	0.002	<7.01	<0.002
141200961-0001								
O-2	0-2	2/25/2012	1440.00	<5.5	100	0.002	<7.01	<0.002
141200961-0002								
O-3	O-3	2/25/2012	1440.00	<5.5	100	0.002	<7.01	<0.002
141200961-0003								
0-4	O-4	2/25/2012	1440.00	<5.5	100	0.002	<7.01	<0.002
141200961-0004								
O-5	O-5	2/25/2012	1440.00	<5.5	100	0.002	<7.01	<0.002
141200961-0005								
B-1	B-1	2/25/2012		<5.5	100	· · · · · · · · · · · · · · · · · · ·	<7.01	Field Blank
141200961-0006								
B-2	B-2	2/25/2012		<5.5	100	· M	<7.01	Field Blank
141200961-0007								

The results reported have been blank corrected as applicable.

itial report from 02/28/2012 06:36:22		
Analyst(s) Tom Hanes (7)	Rhonda	McDee

Rhonda McGee, Laboratory Manager or other approved signatory

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.31, 21-50 fibers = 0.30, 51-100 fibers = 0.25. Inter-laboratory SR values (Average of EMSt. round robin data) = 0.29. EMSt. maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSt. EMSt. bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. EMSt is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. Results have been blank corrected as applicable. The results in this report meet all requirements of the NELAC standards unless otherwise noted. Samples received in good condition unless otherwise noted. Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11608

CHAIN OF CUSTODY

						141200990								
CHAIN OF	TOD'			ACTION ENVIRONMENTAL SERVICES INC.										
Benchmark Environm	iental					1790 CLINTON STREET • BUFFALO, NY 14206								
CLIENT NAME							PHONE:	(716) 81	8-1212	• FAX: (716) 67	7-8813		
CLIENT ADDRESS	Line 1													
CLIENT ADDRESS BPA Pickle Bidg, Cor PROJECT NAME Dunkirk Specialty Ste PROJECT ADDRESS	ntrolled Dem eel, 830 Brig		HAM DI	,										
PROJECT CONTAC	T					PHONE				CELL		······································		
LAB RESULTS TO	<u> </u>			· · · · · ·		PHONE	<u> </u>			FAX				
TYPE: ASBESTOS	X - PCM		LEAD				INDUST	RIAL HYGI	ENE (ANAL	YZE)		
PROJECT SIZE	/TYPE >	- () N	IINOR	\overline{C}) SMALL	(LARGE	OTH	IER					
SAMPLE TYPE	· >	- ႘ႃၴ ^B	ACKGRO	DUND IB	0	PREP II	A (8	HANDI	ING IIB	C)CLEAR/	ANCE IIC		
TURN AROUN	TIME >	- Ø 4	8 HR	MC	24 HR	O	RUSH			 	<u> </u>			
SAMPLE NUMBER			1 2	M	a (Λ 1	0 2				-			
	0-1	0.9	03	19-4	0.5	B-1	B- 5			-				
LABORATORY ID					<u> </u>									
SAMPLE LOCATION	D(0.2	0-3	0-4	0-5	B-1	B 2					,		
ROTOMETER NUMBER	3L	31.	3L	31	31									
STARTING FLOW RATE	J. °	2.6	2.0	3.0	٥.٥									
ENDING FLOW RATE	2.0	Ĵί	2.4	2.0	3.0									
AVE. FLOW RATE (L/MIN)	2.0	J. 0) ×	4. 6	2 "						-			
START TIME	0730	0731	9137	०१३५	0734									
STOP TIME	1630	1631	1632	1633	1634									
DURATION (MIN)	540	546	510	540	540									
SAMPLE VOLUME (LITERS)	1080	1080	1080	1080	1080									
FIBERS / FIELDS														
FIBERS / cc														
COMMENTS:	l.						1	1			01 11	· /		
COMMENTS:	outur	n SA	eve (2 6(23. 8i	61 il	m	Say	le vi	11	12~4	!		
SAMPLED BY	11	(Wtr	11 K	ifin		DATE S	AMPLED	9	1 27	12				
TRANSPORTED FE					L	TRANS	PORTED B	Y / DATE /	1/1	2/2	1/12			
RECEIVED BY BILL M &							ANALYZED BY 2/27/12 5:36PM							

SCOPE #



490 Rowley Road, Depew, NY 14043

Phone: (716) 651-0030 Fax: (716) 651-0394 Email: bulfalolab@emsl.com

Attn: Steven J. Klein

AAction Environmental Services, Inc.

BPA Pickle Bidg Controlled Demolition Handling IIB

1790 Clinton Street

Customer ID:

Received:

KZIE77

Customer PO:

02/27/12 5:36 PM

EMSL Order:

141200990

Buffalo, NY 14206

Fax: Project: Phone: (716) 818-1212

EMSL Proj:

Analysis Date:

2/29/2012

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94

Sample	Location	Sample Date	Volume (liters) 1	ibers	Fields	LOD (fib/cc)	Fibers/ mm²	Fibers/ cc Notes
O-1	O-1	2/27/2012	1080.00	<5.5	100	0.002	<7.01	<0.003
141200990-0001								
O-2	O-2	2/27/2012	1080.00	8	100	0.002	10.2	0.004
141200990-0002	•							
O-3	O-3	2/27/2012	1080.00	7	100	0.002	8.92	0.003
141200990-0003	1							
O-4	O-4	2/27/2012	1080.00	9.5	100	0.002	12.1	0.004
141200990-0004								
O-5	O-5	2/27/2012	1080.00	<5.5	100	0.002	<7.01	<0.003
141200990-0005	;							
B-1	B-1	2/27/2012	-	<5.5	100		<7.01	Field Blank
141200990-0006	!							
B-2	B-2	2/27/2012		<5.5	100		<7.01	Field Blank
141200990-0007								

The results reported have been blank corrected as applicable.

1	Initial report	from	02/29/2012	15:30:44
L				

Analyst(s)

Rachel Glese (7)

Rhonda McGee, Laboratory Manager or other approved signatory

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.31, 21-50 fibers = 0.30, 51-100 fibers = 0.25. Inter-laboratory SR values (Average of EMSL round robin data) = 0.29. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. EMSL is not responsible for data reported in fibers/co, which is dependent on volume collected by non-laboratory personnel. Results have been blank corrected as applicable. The results in this report meet all requirements of the NELAC standards unless otherwise noted. Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

CHAIN OF CUSTODY

CHAIN OF		141201018 Action environmental services inc.											
Senchmark Environm	ental					h						FALO, NY	
CLIENT NAME								PHONE:	: (716) 81	18-1212	• FAX:	(716) 67	7-8813
CLIENT ADDRESS (Line 1												
CLIENT ADDRESS I BPA Pickle Bldg, Con PROJECT NAME Dunkirk Specialty Ste PROJECT ADDRES	ntrolled Dem nel, 830 Brig		HAHO Dunkirk, NY									4.02.60	
PROJECT CONTAC	Т		<u></u> .			P	HONE				CELL		
LAB RESULTS TO	X-PCM	IMH	LEAD_			Pł	HONE	INDUST	rrial hyg	IENE (ANA	FAX)
PROJECT SIZE SAMPLE TYPE TURN AROUNE	/TYPE >	- S M	IINOR ACKGRC 8 HR	OUND IB	SMALL O 24 HR	PR	EP II.	LARGE A (S RUSH_	OTI HAND	HER)CLEAR	ANCE IIC
SAMPLE NUMBER	0-1	0-2	0-3	0-4	0-5	B	1	B-2					
LABORATORY ID													
SAMPLE LOCATION	0-1	0-2	0-3	0-4	0-5	B.	.(8.2					
ROTOMETER NUMBER	3L	3L	3L	3L	31			1					
STARTING FLOW RATE	2.0	2.0	<i>ڪ</i> . ٥	2.0	2,0								
ENDING FLOW RATE	2.0	2.0	2.0	20	20								
AVE. FLOW RATE (L/MIN)	2.0	20	2.0	2.0	9.0								
START TIME	0700	0701	0702	0703	0704								
STOP TIME	1630	1631	1632	1633	1634								
DURATION (MIN)	510	STO	570	570	570								
SAMPLE VOLUME (LITERS) FIBERS / FIELDS	1140	1140	1/46	1140	1140			l.					
FIBERS / cc													
COMMENTS: Rate c	onter	t Ha	м С (03-8	101 :1	a	n	Sayı	le vi	>	01.	Hcc M	/
SAMPLED BY		1/4,	EN /	Klen	v	C	ATE S	AMPLED	2	/28/	12		
TRANSPORTED FR	NOM /					Т	RANS	PORTED E	BY / DATE	Mc s	1/28/		
RECEIVED BY //	2-11	1	776 T	7/20	2/11 6	· e A	NALY;	ZED BY		1	1		



490 Rowley Road, Depew, NY 14043

Phone: (716) 651-0030 Fax: (716) 651-0394 Email: bultalolab@emsl.com

Atto: Steven J. Klein

AAction Environmental Services, Inc.

1790 Clinton Street

Customer ID:

KZIE77

Customer PO: Received:

02/28/12 5:30 PM

EMSL Order:

141201018

Buffalo, NY 14206

Fax:

Phone: (716) 818-1212

Project:

BPA Pickle Bidg. Controlled Demolition Handling IIB

EMSL Proj:

Analysis Date:

3/1/2012

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94

Sample	Location	Sample Date	Volume (liters) 1	ibers	Fields	LOD (fib/cc)	Fibers/ mm²	Fibers/ cc Notes
O-1	0-1	2/28/2012	1140.00	<5.5	100	0.002	<7.01	<0.002
141201018-0001								
O-2	O-2	2/28/2012	1140.00	<5.5	100	0.002	<7.01	<0.002
141201018-0002								
O-3	0-3	2/28/2012	1140.00	<5.5	100	0.002	<7.01	<0.002
141201018-0003								
0-4	0-4	2/28/2012	1140.00	<5.5	100	0.002	<7.01	<0.002
141201018-0004								
O-5	O-5	2/28/2012	1140.00	<5.5	100	0.002	<7.01	<0.002
141201018-0005								
B-1	B-1	2/28/2012		<5.5	100		<7.01	Field Blank
141201018-0006								
B-2	B-2	2/28/2012	,	<5.5	100		<7.01	Field Blank
141201018-0007								

The results reported have been blank corrected as applicable.

muai	report	trom	03/01/2012	15:53:38

Analyst(s)

Ken Najuch (7)

Rhonda McGee, Laboratory Manager or other approved signatory

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.31, 21-50 fibers = 0.30, 51-100 fibers = 0.25. Inter-laboratory SR values (Average of EMSL round robin data) = 0.29. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. EMSL is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. Results have been blank corrected as applicable. The results in this report meet all requirements of the NELAC standards unless otherwise noted. Samples received in good condition unless otherwise noted.

Test Report PCM-7.22.0 Printed: 3/1/2012 3:53:40 PM

CHAIN OF CUSTODY

CASSETTE LOT #

,											105	•
CHAIN OF	= CUS	STOD	Y				CTION	ENVIR	CONMEN	ITAL.	SERVI	CES INC.
Benchmark Environm	nental						1790 CLIN	NOTI	STREET •	BUFF	:ALO, N	14206
CLIENT NAME						*	PHONE: ((716) 8 ⁻	18-1212 •	FAX:	(716) 67	′7-8813
CLIENT ADDRESS	Line 1	<u></u>										
CLIENT ADDRESS		/		`	***************************************							
BPA Pickle Bldg, Co PROJECT NAME	ntrolled Der	nolition -	HANDLIN	<u> </u>								
Dunkirk Specialty Ste PROJECT ADDRES		gham Road,	Dunkirk, NY	14048								
							- · · · · · · · · · · · · · · · · · · ·			071		
PROJECT CONTAC	T					PHONE	2			CELL		
AB RESULTS TO	V DOM	€ E				PHONE				FAX		
TYPE: ASBESTOS			LEAD_						IENE (ANALY	ZE)
PROJECT SIZE		> <	MNOR BACKGRO		SMALL	PREP I) LARGE		HER LING IIB		701640	ANCEUC
SAMPLE TYPE TURN AROUN		\sim	8 HR		24 HR	C) RUSH	HAND	LINGTID		JULEAN	IANCE IIC
10111471110071							,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
SAMPLE NUMBER	04	0-2	0-3	0-4	0-5	13-1	3.2					
LABORATORY ID												-
SAMPLE LOCATION	0-1	0-2	0-3	0-4	0-5	B. 1	B.2	·				
ROTOMETER NUMBER	34	34	34	34	74							
STARTING FLOW RATE	20	2.0	2.0	2.0	2.0						i i	
ENDING FLOW RATE	2.0	2.0	2.0	2.0	20					,		
AVE, FLOW RATE (L/MIN)	2.0	J.0	2.0	2.0	20							
START TIME	0700	0701	0702	0703	0704				***************************************	•		
STOP TIME	1430	1431	1432	1433	1434							
DURATION (MIN)	450	450	450	450	450							
SAMPLE VOLUME (LITERS)	900	900	900	900	900							
FIBERS / FIELDS												
FIBERS / cc								<u>-</u>				
COMMENTS:	<u> </u>						<u> </u>		<u> </u>			
Meare and	Tout .	tous	€ 603	.8101	if on) my	nh vi	7.	01 tlc(THANK	,		
	//	1								·		
TRANSPORTER	/ 76/1	(N//1	KLKIN			TRANS	SAMPLED SPORTED BY	J/DATE	37/12			
SAMPLED BY FRANSPORTED FF) (1 (5/1	£ 10 c	MSL 1 1		Λ NA Λ1 N	7ED BY		//K 2	/2a/	<u>r</u>	
JECEINED BY	Sill A	V DX	<u>) </u>	1/12	6205	PW"	750 DI					
CASSETTE LOT #				¥ [SCOP	E#					



490 Rowley Road, Depew, NY 14043

Fax: (716) 651-0394 Email: buffalolab@emsl.com Phone: (716) 651-0030

Attn: Steven J. Klein

AAction Environmental Services, Inc.

1790 Clinton Street

Customer ID: Customer PO: KZIE77

Received:

03/01/12 6:05 PM

EMSL Order:

141201054

Buffalo, NY 14206

Fax:

Phone: (716) 818-1212

Project: BPA Pickle Bidg. Controlled Demolition Handling ilB

EMSL Proj:

Analysis Date:

3/2/2012

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94

Sample	Location	Sample Date	Volume (liters) 1	lbers	Fields	LOD (fib/cc)	Fibers/ mm²	Fibers/ cc Notes
O-1	O-1	2/29/2012	900.00	<5.5	100	0.003	<7.01	<0.003
141201054-0001	ı							
O-2	0-2	2/29/2012	900.00	<5.5	100	0.003	<7.01	<0.003
141201054-0002	?							
O-3	O-3	2/29/2012	900.00	<5.5	100	0.003	<7.01	<0.003
141201054-0003	•							
O-4	O-4	2/29/2012	900.00	<5.5	100	0.003	<7.01	<0.003
141201054-0004	!							
O-5	O-5	2/29/2012	900.00	<5.5	100	0.003	<7.01	<0.003
141201054-0005	;							
B-1	B-1	2/29/2012	<u> </u>	<5.5	100		<7.01	Field Blank
141201054-0006	;							
B-2	B-2	2/29/2012	11-11-1	<5.5	100		<7.01	Field Blank
141201054-0007	•							

The results reported have been blank corrected as applicable.

nitial report	from 03/02/2012	13:24:52
---------------	-----------------	----------

Analyst(s)

Linda K. Ward (7)

Rhonda McGee, Laboratory Manager or other approved signatory

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.31, 21-50 fibers = 0.30, 51-100 fibers = 0.25. Inter-laboratory SR values (Average of EMSL round robin data) = 0.29. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. EMSL is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. Results have been blank corrected as applicable. The results in this report meet all requirements of the NELAC standards unless otherwise noted. Samples received in good condition unless otherwise noted. Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

CHAIN OF CUSTODY

CHAIN OI		14/20/064 ACTION ENVIRONMENTAL SERVICES INC.													
CHAIN O	COL	3100	1				<u>_</u>	`							
Benchmark Environm	nental	<u>.</u>										T • BUI 2 • FA>			
CLIENT ADDRESS	Line 1							111011	□ , (1	10, 0	,0 1212	- 1717	v. (/ 10)	, 0, ,	00.10
CLIENT ADDRESS	Line 2											•			
BPA Pickle Bidg, Co PROJECT NAME Dunkirk Specialty Sto PROJECT ADDRES	eel, 830 Bri		Dunkirk, NY												
PROJECT CONTAC		PHO	ONE					CELL	CELL						
LAB RESULTS TO		PHO	ONE					FAX	-						
TYPE: ASBESTOS	X-PCM	(M	LEAD				-	INDU	STRIA	AL HYG	IENE (AN	ALYZE)
PROJECT SIZE			IINOR	C) SMALL	(\overline{ullet}	LARG	E	OTI	HER				
SAMPLE TYPE	Ξ)	- ♥ ₽	ACKGRO	DUND IB	0	PRE	P II	Α .	8	HAND	LING II	в (OCLE	:ARAN	ACE HC
TURN AROUN	D TIME	<u>► </u>	8 HR		24 HR	(RUSH	**********	·····					
SAMPLE NUMBER	0-1	0-2	0-3	0-4	0-5	B-	1	3-2							
LABORATORY ID															
SAMPLE LOCATION	0-1	0-2	0-3	0-4	0-5	B.	/	B. 2							
ROTOMETER NUMBER	34	3L	3L	31	31			1							
STARTING FLOW RATE	వ.0	2.0	2.0	2.0	2. *										
ENDING FLOW RATE	2.0	2.0	20	20	2,6										
AVE. FLOW RATE (L/MIN)	2.0	2.0	2.0	20	20										
START TIME	0700	0701	20702	0703	0704							***************************************			
STOP TIME	1700	וסרו	1702	1703	1704										<u>. </u>
DURATION (MIN)	600	600	600	600	600										
SAMPLE VOLUME (LITERS)	1200	1206	1700	1200	1200			ļ		·					
FIBERS / FIELDS															
FIBERS / cc															
COMMENTS: Please cr	tad	Str	4 Q l	03.81	01/10	n	Ν	yle	h	· >	> .0	flec	: -4 A 1	r X	./
SAMPLED BY		HOVE	///	(FIN		DA'	TE S	AMPLED)	3/	1/12	<u> </u>		<u></u>	
TRANSPORTED FF	ROM		7-/-	10 FM	<i>(l</i>	TR	ANS	PORTED	BY / I		MIC	3/1/12	<u> </u>		
RECEIVED BY	Sill 1	M >	<u>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</u>	31/		2: 0:	ALYZ	ED BY			//-	1' '' 	_		
CASSETTE LOT #	- 181						OPE	` \		·					



490 Rowley Road, Depew, NY 14043

Fax: (716) 651-0394 Phone: (716) 651-0030 Email: bultalolab@emsl.com

Attn: Steven J. Klein

AAction Environmental Services, Inc.

1790 Clinton Street

Customer ID:

KZIE77

Customer PO: Received:

03/01/12 6:05 PM

EMSL Order:

141201064

Buffalo, NY 14206

Fax:

Phone: (716) 818-1212

Project: BPA Pickle Bidg. Controlled Demolition Handling IIB

EMSL Proj:

Analysis Date:

3/2/2012

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	LOD (fib/cc)	Fibers/ mm²	Fibers/ cc Notes
0-1	O-1	3/1/2012	1200.00	<5.5	100	0.002	<7.01	<0.002
141201064-0001								
O-2	0-2	3/1/2012	1200.00	<5.5	100	0.002	<7.01	<0.002
141201064-0002								
O-3	O-3	3/1/2012	1200.00	<5.5	100	0.002	<7.01	<0.002
141201064-0003								
0-4	0-4	3/1/2012	1200.00	<5.5	100	0.002	<7.01	<0.002
141201064-0004								
O-5	O-5	3/1/2012	1200.00	<5.5	100	0.002	<7.01	<0.002
141201064-0005								
B-1	B-1	3/1/2012		<5.5	100		<7.01	Field Blank
141201064-0006								
B-2	B-2	3/1/2012		<5.5	100		<7.01	Field Blank
141201064-0007								

The results reported have been blank corrected as applicable.

ınınaı	report	trom	03/02/2012	15:51:55
			00/0/2010	.0,0,,,00

Analyst(s)

Linda K. Ward (7)

Rhonda McGee, Laboratory Manager or other approved signatory

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.31, 21-50 fibers = 0.30, 51-100 fibers = 0.25. Inter-laboratory SR values (Average of EMSL round robin data) = 0.29. EMSL maintains flability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. EMSL is not responsible for data reported in fibers/co, which is dependent on volume collected by non-laboratory personnel. Results have been blank corrected as applicable. The results in this report meet all requirements of the NELAC standards unless otherwise noted. Samples received in good condition unless otherwise noted. Samples analyzed by EMSt. Analytical, Inc. Depew, NY NYS ELAP 11606

CHAIN OF CUSTODY

CHAIN O	- CUS	STOD	Y			14120108 Action environmental services inc.							
Benchmark Environn CLIENT NAME	nental			·		1790 CLINTON STREET • BUFFALO, NY 14206 PHONE: (716) 818-1212 • FAX: (716) 677-8813							
CLIENT ADDRESS	Line 1												
CLIENT ADDRESS BPA Pickle Bldg, Col PROJECT NAME Dunkirk Specialty Ste PROJECT ADDRES	ntrolled Den eel, 830 Brig	-	HAND I	7					****			······································	
PROJECT CONTAC	т					PHONE		,		CELL		· · · · · · · · · · · · · · · · · · ·	
LAB RESULTS TO TYPE: ASBESTOS		PHONE		STRIAL HYG	BIENE (ANAI	FAX YZE)					
PROJECT SIZE SAMPLE TYPE TURN AROUN	: >	-	IINOR ACKGRO 8 HR	OUND IB	SMALL O 24 HR	PREP II	LARGI A Ì	(X) HANE	HER DLING IIB	C	CLEAR	ANCE IIC	
SAMPLE NUMBER	0-1	0-2	0-3	0-4	0-5	13-1	3.2						
LABORATORY ID													
SAMPLE LOCATION	0-1	0-2	0-3	0-4	0-5	B-1	B.2						
ROTOMETER NUMBER	3 L	34	3 L	3 L	3 L								
STARTING FLOW RATE	2.0	20	20	20	20								
ENDING FLOW RATE	2.0	2.0	2.0	26	20								
AVE. FLOW RATE (L/MIN)	2.0	2.0	2,0	20	2.6								
START TIME	0700	0701	0702	0703	0704								
STOP TIME	1200	1201	1207	1203	1204								
DURATION (MIN)	300	300	300	200	300								
SAMPLE VOLUME (LITERS) FIBERS / FIELDS	600	600	600	600	600					·			
FIBERS / cc													
COMMENTS:	tail	ttu	Q 40	3. E101	10								
SAMPLED BY	. 1	HEVE	v 11.	Klas	'n	DATE S	AMPLED	3) BY/DATE	2/12		<u> </u>		
TRANSPORTED FR	SM /	S.	140	TO EN	TS C	TRANS	PORTED	BY / DATE	AII.	3/2	112		
RECEIVED BY	The	HWF S,	Do	3 k	/12/	ANALYZ	ED BY		× /1		1	·	
CASSETTE LOT #	· · ·					SCOPE	#						



490 Rowley Road, Depew. NY 14043

Phone: (716) 651-0030 Fax: (716) 651-0394 Email: <u>buffatolabic-emst.com</u>

Attn: Steven J. Klein

AAction Environmental Services, Inc.

1790 Clinton Street

Customer ID:

KZIE77

Customer PO: Received:

03/02/12 1:45 PM

EMSL Order:

141201068

Buffalo, NY 14206

Fax:

Phone: (716) 818-1212

Project: BPA Pickle Bidg, Controlled Demolition Handling liB

EMSL Proj:

Analysis Date:

3/2/2012

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94

Sample	Location	Sample Date	Volume (liters) 1	Fibers	Fields	LOD (fib/cc)	Fibers/ ntm²	Fibers/ cc Notes
0-1	O-1	3/2/2012	600.00	<5.5	100	0.004	<7.01	<0.005
141201068-000	11							
0-2	O-2	3/2/2012	600.00	<5.5	100	0.004	<7.01	<0.005
141201068-000	2							
O-3	O-3	3/2/2012	600.00	<5.5	100	0.004	<7.01	<0.005
141201068-000	3							
0-4	O-4	3/2/2012	600.00	<5.5	100	0.004	<7.01	<0.005
141201068-000	4							
O-5	O-5	3/2/2012	600.00	<5.5	100	0.004	<7.01	<0.005
141201068-000	5							
B-1	B-1	3/2/2012		<5.5	100		<7.01	Field Blank
141201068-000	6							
B-2	B-2	3/2/2012		<5.5	100		<7.01	Field Blank
141201068-000	7							

The results reported have been blank corrected as applicable.

nitial report from 03/05/2012 08:23:39

Analyst(s)

Linda K. Ward (7)

Rhonda McGee, Laboratory Manager or other approved signatory

Limit of detection is 7 fibers/mm², Intra-laboratory Sr values: 5-20 fibers = 0.31, 21-50 fibers = 0.30, 51-100 fibers = 0.25. Inter-laboratory SR values (Average of EMSL round robin data) = 0.29. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. EMSL is not meet all requirements of the NELAC standards unless otherwise noted. Samples received in good condition unless otherwise noted. Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

CASSETTE LOT #

CHAIN OF	- cus	'dot	Y				ī	412 Envir			5ERVIC	CES INC.
Benchmark Environm	ental									• BUFF.		
CLIENT ADDRESS	line 1	4 . =					I IIOIVE.	(7 10) 0	10-1212	. 1 777. (, 110, 01	7-0010
CLIENT ADDRESS BPA Pickle Bldg, Cor PROJECT NAME Dunkirk Specialty Ste	Line 2 ntrolled Dem sel, 830 Brig		(FINAL	,								
PROJECT CONTAC	т					PHONE				CELL		
LAB RESULTS TO	X-PCM	my	LEAD_			PHONE	INDUST	RIAL HYG	IENE (ANA	FAX)
PROJECT SIZE SAMPLE TYPE TURN AROUNI	; >	- Хв	IINOR ACKGRC 8 HR	OUND IB	SMALL O 24 HR	PREP II	LARGE A (RUSH_		HER_ LING IIB	C.3	CLEAR/	ANCE IIC
SAMPLE NUMBER	∓- 1	エ・ユ	±-3	I-4	I-5	0-6	0-7	0-8	0-9	0-10	B-1	13-2
LABORATORY ID												
SAMPLE LOCATION	工-1	エーユ	I-3	I-4	I-5	0-6	0-7	0-8	0-9	0-10	B-1	B-2
ROTOMETER NUMBER	3L	3 L	3 L	3L	3 L	3L	3 L	31	3 <i>L</i>	3 L	1	J
STARTING FLOW RATE	3.5	3,5	3, 5	3, 5	35	3.5	3.5	3, 5	3,5	3,5		
ENDING FLOW RATE	3,5	3,5	3,5	3.5	3,5	3,5	3,5	3.5	3,5	3,5		
AVE. FLOW RATE (L/MIN)	3,5	3.5	3,5	3, 5	3.5	3.5	3.5	3.5	3,5	3.5		
START TIME	0600	0601	0602	0603	0604	0605	0606	0607	0608	0609		
STOP TIME	0900	0901	0902	0903	0904	0905	0906	0907	0908	0909		
DURATION (MIN)	180	180	180	180	180	180	180	180	180	180		
SAMPLE VOLUME (LITERS) FIBERS / FIELDS	630	630	630	630	630	630	630	630	630	630		
FIBERS / cc												
COMMENTS: Please c	ntui) Stu	. 6 60	73.810	h/n 1	ind.	resul	th ?	* 3	Hou Rus	R/	THANX
SAMPLED BY		TOVER	// K	LFIN		DATE S	AMPLED	3	13/12	_		
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RECEIVED BY	5:11 1	1)	$\langle \rangle$. \$2 11		127X	ED BY			- - 1		

SCOPE #



490 Rowley Road, Depew. NY 14043

Phone: (716) 651-0030 Fax: (716) 651-0394 Email: <u>buffalolab@emst.com</u>

Attn: Steven J. Klein

AAction Environmental Services, Inc.

1790 Clinton Street

Customer ID:

KZIE77

Customer PO: Received:

03/03/12 10:12 AM

EMSL Order:

141201078

Buffalo, NY 14206

Fax:

Phone: (716) 818-1212

EMSL Proj:

Project: BPA Pickle Bidg, Controlled Demolition Clearance IIC

Analysis Date:

3/3/2012

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94

Sample	Location	Sample Date	Volume (liters) Fibe	rs Fields	LOD (fib/cc)	Fibers/ nm²	Fibers/ cc Notes	
I-1	I-1	3/3/2012	630.00 <	5.5 100	0.004	<7.01	<0.004	***************************************
141201078-0001								
1-2	1-2	3/3/2012	630.00 <	5.5 100	0.004	<7.01	<0.004	
141201078-0002								
I-3	I-3	3/3/2012	630.00 <	5.5 100	0.004	<7.01	<0.004	
141201078-0003								
<u>1-4</u>	1-4	3/3/2012	630.00 <	5.5 100	0.004	<7.01	<0.004	
141201078-0004								
I-5	1-5	3/3/2012	630.00 <	5.5 100	0.004	<7.01	<0.004	
141201078-0005								
O-6	O-6	3/3/2012	630.00 <	5.5 100	0.004	<7.01	<0.004	
141201078-0006								
0-7	O-7	3/3/2012	630.00 <	5.5 100	0.004	<7.01	<0.004	· ·
141201078-0007								
O-8	O-8	3/3/2012	630.00 <	5.5 100	0.004	<7.01	<0.004	\- <u>\</u>
141201078-0008								
O-9	O-9	3/3/2012	630.00 <	5.5 100	0.004	<7.01	<0.004	***
141201078-0009								
O-10	O-10	3/3/2012	630.00 <	5.5 100	0.004	<7.01	<0.004	
141201078-0010								

Report Amended: 03/05/2012 09:09:00 Replaces the Inital Report 03/03/2012 12:51:47. Reason Code: Data Entry-Change to Project

Analyst(s)

Tom Hanes (12)

Rhonda Mc

aboratory Manager

1

Rhonda McGee, Laboratory Manager or other approved signatory

Limit of detection is 7 fibers/mm², intra-laboratory Sr values: 5-20 fibers = 0.31, 21-50 fibers = 0.30, 51-100 fibers = 0.25. Inter-laboratory SR values (Average of EMSL round robin data) = 0.29. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. EMSL is not responsible for data reported in fibers/co, which is dependent on volume collected by non-laboratory personnel. Results have been blank corrected as applicable. The results in this report meet all requirements of the NELAC standards unless otherwise noted. Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606



490 Rowley Road, Depew. NY 14043

Phone: (716) 651-0030 Fax: (716) 651-0394 Email: <u>buffalolab@umsl.com</u>

Attn: Steven J. Klein

AAction Environmental Services, Inc.

1790 Clinton Street

Customer ID:

KZIE77

Customer PO: Received:

EMSL Order:

03/03/12 10:12 AM 141201078

Buffalo, NY 14206

Fax:

Phone: (716) 818-1212

Project: BPA Pickle Bldg, Controlled Demolition Clearance IIC

EMSL Proj:

Analysis Date:

3/3/2012

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94

Sample	Location	Sample Date	Volume (liters) Fibers	Fields	LOD (fib/cc)	Fibers/ mm²	Fibers/ cc	Notes	
B-1	B-1	3/3/2012	<5.5	100	· · · · · · · · · · · · · · · · · · ·	<7.01		Field Blank	
141201078-0	011								
B-2	B-2	3/3/2012	<5.5	100		<7.01		Field Blank	
141201078-0	012								

The results reported have been blank corrected as applicable.

Report Amended: 03/05/2012 09:09:00 Replaces the Inital Report 03/03/2012 12:51:47. Reason Code: Data Entry-Change to Project

Analyst(s)

Tom Hanes (12)

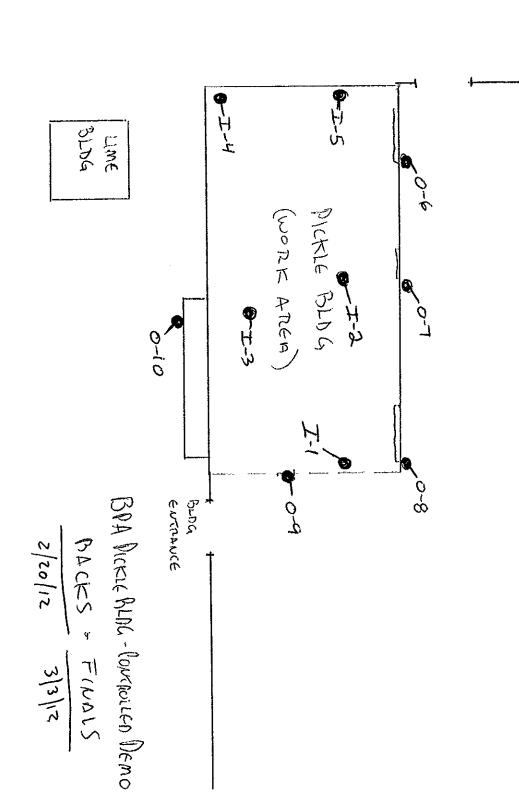
Khonda

aboratory Manager

Rhonda McGee, Laboratory Manager or other approved signatory

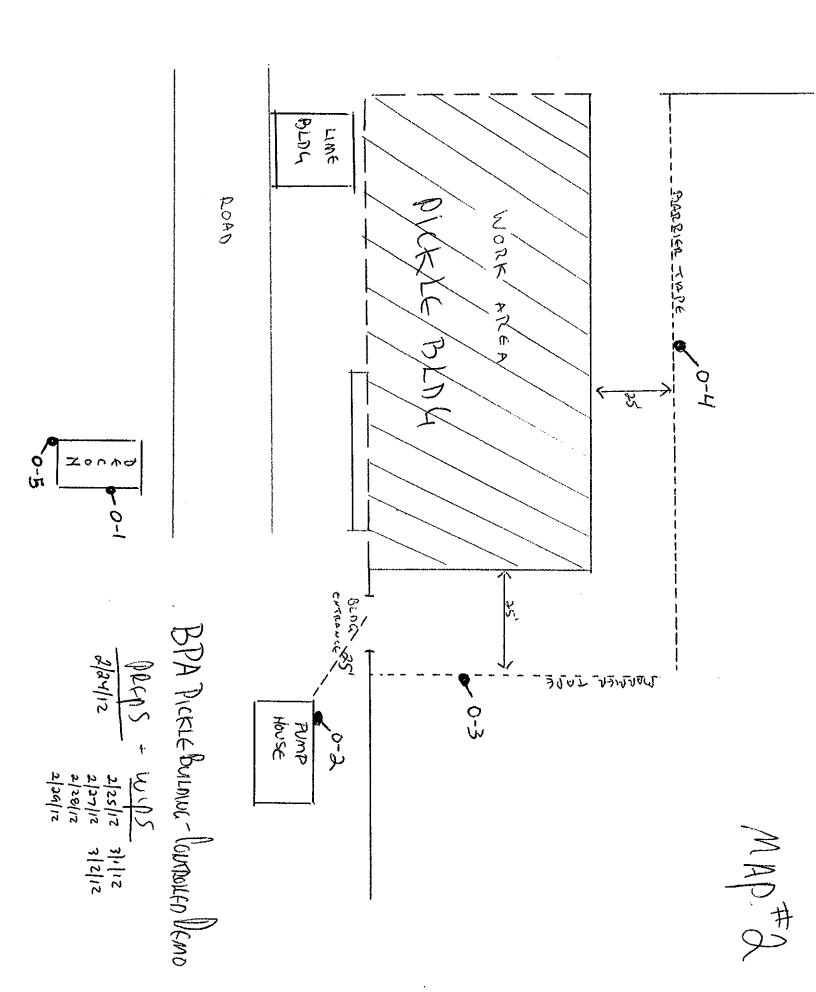
Limit of detection is 7 fibers/mm³, Intra-laboratory Sr values: 5-20 fibers = 0.31, 21-50 fibers = 0.30, 51-100 fibers = 0.25. Inter-laboratory SR values (Average of EMSL round robin data) = 0.29. EMSL maintains flability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. EMSL is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. Results have been blank corrected as applicable. The results in this report meet all requirements of the NELAC standards unless otherwise noted. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606



MAP H

DUNKIRK SPECIALTY STEEL



AACTION ENVIRONMENTAL SERVICES INC.

March 16, 2012

Benchmark Environmental Engineering & Science Mr. Thomas Forbes 2558 Hamburg Turnpike, Suite 300 Buffalo, NY 14218

Project Name:

BPA Lime Bldg - Controlled Demolition

Project Size: Large

Project Location: BPA Lime Building

Project Dates: 02/20/12 &

830 Brigham Rd, Dunkirk, NY 14048

03/08/12 - 03/09/12

Dear Mr. Forbes,

Please find enclosed the Chain of Custodies, Phase Contrast Microscopy (PCM) air results and Maps/ Sample Locations for the above referenced project. Air monitoring consisted of Background, Work Area Preps, Asbestos Handling and Clearance/ Final sampling to monitor the concentrations of airborne fibrous materials on a large asbestos abatement project. Aaction Environmental Services, Inc conducted the air monitoring using commonly accepted sampling procedures acknowledged in New York State following guidelines and protocols of 12 NYCRR Part 56 - (NY State Code Rule #56). Air samples are designated I for Inside and O for Outside the work area. Please note, the clearance fiber concentrations were all less than 0.01 fibers per cubic centimeter, this meets (passes) satisfactory air sample testing criteria.

Benchmark Environmental Engineering & Science retained Aaction Environmental Services for (third party) Air Monitoring and Project Monitor/ Final Visual Inspection services on a large (Controlled Demolition) asbestos project located at the former Al Tech Steel - BPA Lime Building, 830 Brigham Road, Dunkirk, NY 14048. Aaction Environmental Services, Inc performed the reporting and air monitoring duties. All samples were analyzed by Phase Contrast Microscopy (PCM) according to the National Institute of Safety and Health (NIOSH) Method 7400, Fourth Edition, Issue 2, 08/15/94 by EMSL Analytical, Inc - NY State ELAP # 11606.

The enclosed results are submitted pursuant to Aaction Environmental Services current terms and conditions of sale. No responsibility or liability is assumed for the manner in which these results are used or interpreted, these results pertain only to the items tested on the sample dates listed. Unless notified in writing, Aaction Environmental Services, Inc will discard what remains of the samples for this project after ninety days of storage.

Should you have any questions regarding the enclosed reports or require additional information please contact us at 716-818-1212.

Sincerely,

Klvin Zielinski Kevin Zielinski

President

CHAIN OF CUSTODY

CTION ENVIRONMENTAL SERVICES INC. BEHCHMARK ENURONMENTAL 1790 CLINTON STREET · BUFFALO, NY 14206 **CLIENT NAME** PHONE: (716) 818-1212 • FAX: (716) 677-8813 255 & HAMPURG TURNPIKE, SUITE 300 **CLIENT ADDRESS Line 1** LACKAWANNA, NY 14218 **CLIENT ADDRESS Line 2** BUILDING - CONTROLLED DEMO PROJECT NAME 830 BRIGHAM RD STEEL DUNKIPK IPECIALTY NY 14048 NUNKIRK PROJECT ADDRESS PROJECT CONTACT PHONE CELL LAB RESULTS TO Pcmm PHONE FAX TYPE: ASBESTOS LEAD INDUSTRIAL HYGIENE (ANALYZE PROJECT SIZE/TYPE ➤ (MINOR **SMALL** (X) LARGE OTHER SAMPLE TYPE BACKGROUND IB PREP IIA HANDLING IIB **CLEARANCE IIC** TURN AROUND TIME > 48 HR 24 HR RUSH SAMPLE NUMBER \mathbf{T} , Iエンユ $\mathbb{I}-3$ I-4 I-5 0-7 0-9 0-6 0-8 0-10 B.1 B-2 LABORATORY ID SAMPLE I-1 $\mathcal{I}^{-\mathcal{I}}$ T-3 I- 4 I-5 0-6 0-7 LOCATION 0-8 0-9 B-1 B-2 0-10 ROTOMETER 31 3 L 36 3 L 3 L 3LNUMBER 31. 3 L 3 L 31 STARTING 3.5 35 3.5 3.5 3.5 3.5 3 5 FLOW RATE 7.5 3,5 3.5 **ENDING** 3 5 3.5 3.5 3.5 3, 5 35 FLOW RATE 3.5 3.5 35 35 AVE, FLOW 35 35 35 35 3.5 35 35 3,5 35 RATE (L/MIN) 3.5 START TIME 0816 0817 0818 0819 0820 082 0632 X323 *B*ZY STOP TIME 1115 1116 1119 111) 1118 1120 1511 1122 1123 112Y **DURATION (MIN)** 180 180 180 180 180 180 180 180 180 180 SAMPLE 636 630 630 630 630 630 630 BO 630 **VOLUME (LITERS)** 630 FIBERS / FIELDS FIBERS / cc COMMENTS: SAMPLED BY DATE SAMPLED 20 12 TRANSPORTED FROM TRANSPORTED BY / DATE ITE TO EMSL RECEIVED BY 25 MANALYZED BY CASSETTE LO SCOPE #



490 Rowley Road, Depew, NY 14043

Phone: (716) 651-0030 Fax: (716) 651-0394 Email: <u>bulfalolab@emsl.com</u>

Attn: Steven J. Klein

AAction Environmental Services, Inc.

1790 Clinton Street

Customer ID:

KZIE77

Customer PO: Received:

02/20/12 1:25 PM

EMSL Order:

141200854

Buffalo, NY 14206

Fax:

Phone: (716) 818-1212

Project: BPA Lime Building, Controlled Demo Background IB

EMSL Proj:

Analysis Date:

2/21/2012

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	LOD (fib/cc)	Fibers/ mm²	Fibers/ cc Notes	
I-1	[-1	2/20/2012	630.00	<5.5	100	0.004	<7.01	<0.004	
141200854-000	11								
1-2	I-2	2/20/2012	630.00	<5.5	100	0.004	<7.01	<0.004	
141200854-000	2								
I-3	I-3	2/20/2012	630.00	<5.5	100	0.004	<7.01	<0.004	
141200854-000	3								
I-4	1-4	2/20/2012	630.00	<5.5	100	0.004	<7.01	<0.004	
141200854-000	4								
I-5	I-5	2/20/2012	630.00	<5.5	100	0.004	<7.01	<0.004	
141200854-000	5								
O-6	O-6	2/20/2012	630.00	<5.5	100	0.004	<7.01	<0.004	
141200854-000	6								
0-7	0-7	2/20/2012	630.00	<5.5	100	0.004	<7.01	<0.004	
141200854-000	7								
O-8	O-8	2/20/2012	630.00	<5.5	100	0.004	<7.01	<0.004	· · · · · · · · · · · · · · · · · · ·
141200854-000	8								
O-9	O-9	2/20/2012	630.00	<5.5	100	0.004	<7.01	<0.004	
141200854-000	9								
O-10 141200854-0010	O-10	2/20/2012	630.00	<5.5	100	0.004	<7.01	<0.004	

nitial report from	n 02/21/2012	14:59:34
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Analyst(s)

Linda K. Ward (12)

Rhonda

McDee

Rhonda McGee, Laboratory Manager or other approved signatory

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.31, 21-50 fibers = 0.30, 51-100 fibers = 0.25. Inter-laboratory SR values (Average of EMSL round robin data) = 0.29. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. EMSL is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. Results have been blank corrected as applicable. The results in this report meet all requirements of the NELAC standards unless otherwise noted. Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606



490 Rowley Road, Depew, NY 14043

Phone: (716) 651-0030 Fax: (716) 651-0394 Email: <u>buffalolab@emsl.com</u>

Attn: Steven J. Klein

AAction Environmental Services, Inc.

1790 Clinton Street

Customer ID:

KZIE77

Customer PO: Received: EMSL Order:

^^

02/20/12 1:25 PM 141200854

Buffalo, NY 14206

Fax: Project: Phone: (716) 818-1212

BPA Lime Building, Controlled Demo Background IB

EMSL Proj:

Analysis Date:

2/21/2012

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94

Sample	Location	Sample Date	Volume (liters) Fibers	Fields	LOD (fib/cc)	Fibers/ mm²	Fibersi cc	/ Notes	
B-1	B-1	2/20/2012	<5.5	100		<7.01	*	Field Blank	·····
141200854-0	011								
B-2	B-2	2/20/2012	<5.5	100		<7.01	****	Field Blank	
141200854-0	012				٠				

The results reported have been blank corrected as applicable.

muai	report	trom (12/21/2012	14:59:34

Analyst(s)

Linda K. Ward (12)

Rhonda Mc Le

Rhonda McGee, Laboratory Manager or other approved signatory

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.31, 21-50 fibers = 0.30, 51-100 fibers = 0.25. Inter-laboratory SR values (Average of EMSL round robin data) = 0.29. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. EMSL is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. Results have been blank corrected as applicable. The results in this report meet all requirements of the NELAC standards unless otherwise noted. Samples analyzed by EMSL Analytical, inc. Depew, NY NYS ELAP 11606

CHAIN OF CUSTODY

CASSETTE LOT #

1790 CLINTON STREET · BUFFALO, NY 14206 Benchmark Environmental PHONE: (716) 818-1212 • FAX: (716) 677-8813 CLIENT NAME **CLIENT ADDRESS Line 1 CLIENT ADDRESS Line 2** BPA Lime Bldg, Controlled Demolition - (PREPS PROJECT NAME Dunkirk Specialty Steel, 830 Brigham Road, Dunkirk, NY 14048 PROJECT ADDRESS PHONE CELL PROJECT CONTACT PHONE FAX LAB RESULTS TO TYPE: ASBESTOS_X-PCM LEAD INDUSTRIAL HYGIENE (ANALYZE SMALL (●) LARGE MINOR OTHER PROJECT SIZE/TYPE ➤ (X) PREP IIA **BACKGROUND IB** HANDLING IIB CLEARANCE IIC SAMPLE TYPE TURN AROUND TIME ➤ 24 HR RUSH 48 HR SAMPLE NUMBER B .1 B.2 0-5 0-2 0-3 0-1 D-Y LABORATORY ID SAMPLE B2 B-1. 0.2 0-3 0-4 0-5 D-1 LOCATION ROTOMETER 3L 3L 3L 31 3 L NUMBER STARTING 20 20 20 20 2.0 FLOW RATE **ENDING** 2.0 20 2,0 20 20 **FLOW RATE** AVE. FLOW 2.6 2.0 20 2.0 20 RATE (L/MIN) START TIME 0705 0708 0709 0706 0707 STOP TIME 1409 1405 1406 1401 1408 **DURATION (MIN)** 420 420 420 420 420 SAMPLE 840 840 840 840 840 **VOLUME (LITERS)** FIBERS / FIELDS FIBERS / cc MENTS:
Meare contact letter @ 603.8101 if any rough is 7.01flec / COMMENTS: DATE SAMPLED SAMPLED BY TRANSPORTED BY / DATE TRANSPORTED FROM EMSL ANALYZED BY RECEIVED BY

SCOPE #

141200948

ACTION ENVIRONMENTAL SERVICES INC.



490 Rowley Road, Depew, NY 14043

Phone: (716) 651-0030 Fax: (716) 651-0394 Email: buffalolab@emsl.com

Attn: Steven J. Klein

AAction Environmental Services, Inc.

1790 Clinton Street

Customer ID: Customer PO:

KZIE77

Received:

EMSL Order:

02/24/12 3:50 PM 141200948

Buffalo, NY 14206

Fax:

Phone: (716) 818-1212

Project: BPA Lime Bldg Controlled Demolition Preps IIA

EMSL Proj:

Analysis Date:

2/27/2012

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94

Sample	Location	Sample Date	Volume (liters) 1	ibers	Fields	LOD (flb/cc)	Fibers/ mm²	Fibers/ cc Notes
0-1	0-1	2/24/2012	840.00	<5.5	100	0.003	<7.01	<0.003
141200948-000	01							
O-2	O-2	2/24/2012	840.00	<5.5	100	0.003	<7.01	<0.003
141200948-000	02							
O-3	O-3	2/24/2012	840.00	<5.5	100	0.003	<7.01	<0.003
141200948-000)3							
O-4	0-4	2/24/2012	840.00	<5.5	100	0.003	<7.01	<0.003
141200948-000	04							
O-5	O-5	2/24/2012	840.00	<5.5	100	0.003	<7.01	<0.003
141200948-000	05							
B-1	B-1	2/24/2012	·· · · · · · · · · · · · · · · · · · ·	<5.5	100		<7.01	Field Blank
141200948-000	96							
8-2	B-2	2/24/2012		<5.5	100		<7.01	Field Blank
141200948-000	77							

The results reported have been blank corrected as applicable.

Initial	report	from 02/27/2012	10:26:29
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Analyst(s)

Tom Hanes (7)

Rhonda Mc Le

Rhonda McGee, Laboratory Manager or other approved signatory

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.31, 21-50 fibers = 0.30, 51-100 fibers = 0.25. Inter-laboratory SR values (Average of EMSL round robin data) = 0.29. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. EMSL is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. Results have been blank corrected as applicable. The results in this report meet all requirements of the NELAC standards unless otherwise noted. Samples received in good condition unless otherwise noted.

CHAIN OF CUSTODY

						, A			141	201	1139	CES INC.
CHAIN OF	CUS	(dot	1			Δ	CTION	ENVIR	RONMÈ	NTALS	SERVIC	CES INC.
Benchmark Environm	nental			- 					STREET 18-1212		•	
CLIENT ADDRESS	Line 1	··· 			<u></u>							
CLIENT ADDRESS BPA Lime Bidg, Con PROJECT NAME Dunkirk Specialty Ste PROJECT ADDRESS	trolled Demo		PREPS)								*****	
PROJECT CONTAC	Т					PHONE				CELL	•	
LAB RESULTS TO TYPE: ASBESTOS	X-PCM	M	LEAD_			PHONE	INDUST	RIAL HYG	IENE (ANAL	FAX YZE)
PROJECT SIZE SAMPLE TYPE TURN AROUN	E/TYPE >	• О в	IINOR ACKGRC 8 HR	OUND IB	SMALL & 24 HR	~~	LARGE A (RUSH_		HER	С)CLEAR	ANCE IIC
SAMPLE NUMBER	0-1	0-2	0-3	0-4	0-5	13-1	B-2			***		
LABORATORY ID							:					
SAMPLE LOCATION	0-1	0-2	0-3	0-4	0-5	B-1	3-2					
ROTOMETER NUMBER	3L	3L	31	3 L	3L	١						
STARTING FLOW RATE	3.0	3,0	3,0	3,0	3,0					:		
ENDING FLOW RATE	3,0	3,0	3.0	7,0	3,0							
AVE, FLOW RATE (L/MIN)	3,0	3,0	3.0	3.0	3.0							
START TIME	0600	0601	0602	0603	0604							
STOP TIME	0900	0901	0902	0903	0904							
DURATION (MIN)	180	180	180	180	180							
SAMPLE VOLUME (LITERS)	540	540	540	540	540							
FIBERS / FIELDS												
FIBERS / ∞												
comments: Weare	conta	Tex 1	lters	P 61	03-81	01 2	anz	Sam	phe vis	>	10 OIF	ilcc/
SAMPLED BY	1	EVEL	//. K	CFIN		DATE S	AMPLED	31	18/12			
TRANSPORTED-FF			E TO		 L	TRANS	PORTED B		1/1/2	1812	_	
RECEIVED BY	2:11	M	DO	- 10	1	25/77/("	ZED BY		++	1 - 110		
CASSETTE LOT #	<u> </u>			- 10		SCOPE	#				······································	



490 Rowley Road, Depew. NY 14043

Phone: (716) 651-0030 Fax: (716) 651-0394 Email: bullalolab@emsl.com

Attn: Steven J. Klein

AAction Environmental Services, Inc.

1790 Clinton Street

Customer ID: Customer PO: KZIE77

Received:

03/08/12 1:25 PM

EMSL Order:

141201139

Buffalo, NY 14206

Fax:

Phone: (716) 818-1212

Project: BPA Lime Bldg. Controlled Demolition Prep IIA

EMSL Proj:

Analysis Date:

3/8/2012

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	LOD (fib/cc)	Fibers/ mm²	Fibers/ cc Notes
0-1	0-1	3/8/2012	540.00	<5.5	100	0.005	<7.01	<0.005
141201139-0001								
O-2	0-2	3/8/2012	540.00	<5.5	100	0.005	<7.01	<0.005
141201139-0002								
O-3	O-3	3/8/2012	540.00	<5.5	100	0.005	<7.01	<0.005
141201139-0003								
O-4	O-4	3/8/2012	540.00	<5.5	100	0.005	<7.01	<0.005
141201139-0004								
O-5	O-5	3/8/2012	540.00	<5.5	100	0.005	<7.01	<0.005
141201139-0005								
B-1	B-1	3/8/2012		<5.5	100	7.7	<7.01	Field Blank
141201139-0006								
B-2	B-2	3/8/2012		<5.5	100		<7.01	Field Blank
141201139-0007								

The results reported have been blank corrected as applicable.

nitial report from 03/10/2012 09:35:07

Analyst(s)

Linda K. Ward (7)

Rhonda McGee, Laboratory Manager or other approved signatory

Limit of detection is 7 fibers/mm², Intra-laboratory Sr values: 5-20 fibers = 0.31, 21-50 fibers = 0.30, 51-100 fibers = 0.25. Inter-laboratory SR values (Average of EMSL round robin data) = 0.29. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. EMSL is not responsible for data reported in fibers/co, which is dependent on volume collected by non-laboratory personnel. Results have been blank corrected as applicable. The results in this report meet all requirements of the NELAC standards unless otherwise noted. Samples received in good condition unless otherwise noted. Samples analyzed by EMSL Analytical, inc. Depew, NY NYS ELAP 11606

CHAIN OF CUSTODY

141201140ACTION ENVIRONMENTAL SERVICES INC. 1790 CLINTON STREET · BUFFALO, NY 14206 Benchmark Environmental CLIENT NAME PHONE: (716) 818-1212 • FAX: (716) 677-8813 **CLIENT ADDRESS Line 1 CLIENT ADDRESS Line 2** HANDLING) BPA Lime Bldg, Controlled Demolition -PROJECT NAME Dunkirk Specialty Steel, 830 Brigham Road, Dunkirk, NY 14048 PROJECT ADDRESS PHONE CELL PROJECT CONTACT PHONE LAB RESULTS TO TYPE: ASBESTOS X-PCM INDUSTRIAL HYGIENE (ANALYZE LEAD **MINOR SMALL** (●)LARGE PROJECT SIZE/TYPE ➤ OTHER_ PREP IIA (X) HANDLING IIB SAMPLE TYPE **BACKGROUND IB CLEARANCE IIC** RUSH_ 24 HR TURN AROUND TIME ➤ SAMPLE NUMBER B-2 B-1 0-3 0-4 0-5 0-2 LABORATORY ID SAMPLE 0-4 0-5 B-1 B.2 0-1 0-2 0-3 LOCATION ROTOMETER 31 3L 3L 3 L 3 L NUMBER STARTING 3.0 3.0 3.0 30 3.0 **FLOW RATE ENDING** 30 3.0 3.0 3.0 30 FLOW RATE AVE. FLOW 3.0 3,1 30 3,0 30 RATE (L/MIN) START TIME 0905 0907 0908 0909 0906 STOP TIME 1209 1205 1207 1208 /206 **DURATION (MIN)** 180 180 180 180 180 SAMPLE 540 540 S40 240 540 **VOLUME (LITERS)** FIBERS / FIELDS FIBERS / cc COMMENTS: Meare contact the @ 603.8101 if any somple is 7.01flcc/ DATE SAMPLED SAMPLED BY TRANSPORTED FROM TRANSPORTED BY / DATE SITE To 2579 ANALYZED BY RECEIVED BY SCOPE # **CASSETTE LOT#**



490 Rowley Road, Depew. NY 14043

Phone: (716) 651-0030 Fax: (716) 651-0394 Email: <u>buffalolab@emsl.com</u>

Attn: Steven J. Klein

AAction Environmental Services, Inc.

1790 Clinton Street

Customer ID: Customer PO:

KZIE77

Received:

03/08/12 1:25 PM

EMSL Order:

141201140

Buffalo, NY 14206

Fax:

Phone: (716) 818-1212

Project: BPA Lime Bldg. Controlled Demolition Handling IIB

EMSL Proj:

Analysis Date:

3/8/2012

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94

Sample	Location	Sample Date	Volume (liters) F	ibers	Fields	LOD (fib/cc)	Fibers/ mm²	Fibers/ cc Notes
0-1	O-1	3/8/2012	540.00	<5.5	100	0.005	<7.01	<0.005
141201140-000	1							
0-2	0-2	3/8/2012	540.00	5.5	100	0.005	7.01	0.005
141201140-000	2							
O-3	O-3	3/8/2012	540.00	<5.5	100	0.005	<7.01	<0.005
141201140-000	3							
0-4	O-4	3/8/2012	540.00	<5.5	100	0.005	<7.01	<0.005
141201140-000	4							
O-5	O-5	3/8/2012	540.00	<5.5	100	0.005	<7.01	<0.005
141201140-000	5							
B-1	B-1	3/8/2012	· · · · · · · · · · · · · · · · · · ·	<5.5	100		<7.01	Field Blank
141201140-000	6							
B-2	B-2	3/8/2012		<5.5	100		<7.01	Field Blank
141201140-000	7							

The results reported have been blank corrected as applicable.

iitia	l report	from	03/10/2012	09:35:25
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Analyst(s)

Linda K. Ward (7)

Rhonda

1 C Hee

Rhonda McGee, Laboratory Manager or other approved signatory

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.31, 21-50 fibers = 0.30, 51-100 fibers = 0.25. Inter-laboratory SR values (Average of EMSL round robin data) = 0.29. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. EMSL is not responsible for data reported in fibers/co, which is dependent on volume collected by non-laboratory personnel. Results have been blank corrected as applicable. The results in this report moet all requirements of the NELAC standards unless otherwise noted. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

CHAIN OF CUSTODY

1790 CLINTON STREET · BUFFALO, NY 14206 Benchmark Environmental CLIENT NAME PHONE: (716) 818-1212 • FAX: (716) 677-8813 **CLIENT ADDRESS Line 1 CLIENT ADDRESS Line 2** FINALS BPA Lime Bidg, Controlled Demolition -PROJECT NAME Dunkirk Specialty Steel, 830 Brigham Road, Dunkirk, NY 14048 PROJECT ADDRESS PROJECT CONTACT PHONE CELL LAB RESULTS TO 700 PHONE FAX TYPE: ASBESTOS X-PCM LEAD INDUSTRIAL HYGIENE (ANALYZE PROJECT SIZE/TYPE ➤ **SMALL** (•) LARGE **MINOR** OTHER SAMPLE TYPE **BACKGROUND IB** PREP IIA HANDLING IIB CLEARANCE IIC THREE(3) HR RUSH TURN AROUND TIME > 48 HR 24 HR X RUSH SAMPLE NUMBER I-4 エーみ I-3 I-5 B-2 0-6 0-7 0-8 0-9 0-10 B-/ LABORATORY ID SAMPLE I.5 0-6 I-4 I-2 I-3 0-7 0-8 I-1 0-9 0-10 B-1 BZ LOCATION ROTOMETER 3L 3 L 3L 3L36 3L31 3 L ろし 3 L NUMBER 3, 5 3.5 STARTING 3,5 > 5 3.5 **3**,5 3. 5 3,5 35 35 FLOW RATE **ENDING** 3.5 3.5 3, 5 3.5 3.5 3, 5 3.5 3,5 35 3,5 FLOW RATE AVE. FLOW 3,5 35 3.5 3.5 35 35 35 3.5 3 5 3.5 RATE (L/MIN) START TIME 0540 0541 0542 10547 0543 0544 0545 0546 054810549 STOP TIME 0841 0840 0842 0844 0845 0846 0847 0849 0843 **DURATION (MIN)** 180 180 180 180 180 180 180 180 180 180 SAMPLE 630 630 630 630 630 630 630 630 630 630 **VOLUME (LITERS)** FIBERS / FIELDS FIBERS / cc COMMENTS: Alease contact there @ 603.8101 m/ flinal results. TAIREC(S) HR TURN SAMPLED BY DATE SAMPLED LUGN TRANSPORTED FROM TRANSPORTED BY / DATE SITE TO EMSL RECEIVED BY ANALYZED BY M **CASSETTE LOT#** SCOPE #

141201157 Onmental services inc.

XCTION ENVIRO



490 Rowley Road, Depew, NY 14043

Phone: (716) 651-0030 Fax: (716) 651-0394 Email: <u>buffalolab@emsl.com</u>

Attn: Steven J. Klein

AAction Environmental Services, Inc.

1790 Clinton Street

Customer ID:

KZIE77

Customer PO:

03/09/12 9:48 AM

Received: EMSL Order:

141201157

Buffalo, NY 14206

Fax: Project: Phone: (716) 818-1212

BPA Lime Bidg. Controlled Demolition (Finals) Clearance

EMSL Proj:

Analysis Date:

3/9/2012

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	LOD (fib/cc)	Fibers/ mm²	Fibers/ cc	Notes
I-1	I-1	3/9/2012	630.00	<5.5	100	0.004	<7.01	<0.004	
141201157-0001									
1-2	I-2	3/9/2012	630.00	<5.5	100	0.004	<7.01	<0.004	****
141201157-0002									
1-3	I-3	3/9/2012	630.00	<5.5	100	0.004	<7.01	<0.004	
141201157-0003									
1-4	1-4	3/9/2012	630.00	<5.5	100	0.004	<7.01	<0.004	
141201157-0004									
I-5	1-5	3/9/2012	630.00	<5.5	100	0.004	<7.01	<0.004	
141201157-0005									
O-6	O-6	3/9/2012	630.00	<5.5	100	0.004	<7.01	<0.004	
141201157-0006									
0-7	O-7	3/9/2012	630.00	<5.5	100	0.004	<7.01	<0.004	······································
141201157-0007									
O-8	O-8	3/9/2012	630.00	<5.5	100	0.004	<7.01	<0.004	
141201157-0008									
O-9	O-9	3/9/2012	630.00	<5.5	100	0.004	<7.01	< 0.004	
141201157-0009									
O-10	O-10	3/9/2012	630.00	<5.5	100	0.004	<7.01	< 0.004	
141201157-0010									

	iillai	report	from 03/09/2012	11:48:10
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Analyst(s)

Taron Williams (12)

Rhonda

McLee

1

Rhonda McGee, Laboratory Manager or other approved signatory

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.31, 21-50 fibers = 0.30, 51-100 fibers = 0.25. Inter-laboratory SR values (Average of EMSL round robin data) = 0.29. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. EMSL is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. Results have been blank corrected as applicable. The results in this report meet all requirements of the NELAC standards unless otherwise noted. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606



490 Rowley Road, Depew, NY 14043

Phone: (716) 651-0030 Fax: (716) 651-0394 Email: <u>buffalolab@emsl.com</u>

Attn: Steven J. Klein

AAction Environmental Services, Inc.

1790 Clinton Street

Customer ID:

KZIE77

Customer PO: Received:

03/09/12 9:48 AM

EMSL Order:

141201157

Buffalo, NY 14206

Fax: Project: Phone: (716) 818-1212

EMSL Proj:

BPA Lime Bldg. Controlled Demolition (Finals) Clearance

Analysis Date:

3/9/2012

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94

Sample	Location	Sample Date	Volume (liters) Fibers	Fields	LOD (fib/cc)	Fibers/ mm²	Fibers/ cc	Notes	
B-1	B-1	3/9/2012	<5.5	100		<7.01		Field Blank	,
141201157-0	011								
B-2	B-2	3/9/2012	<5.5	100		<7.01		Field Blank	
141201157-0	012		i						

The results reported have been blank corrected as applicable.

Inil	iai	report	from	03/09/2012	11	:48:10
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Analyst(s)

Taron Williams (12)

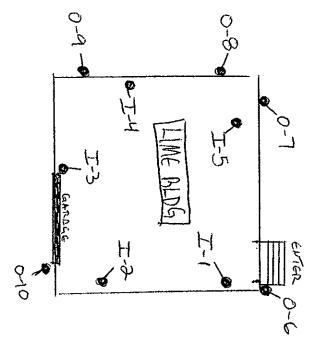
Khonda

McDee

Rhonda McGee, Laboratory Manager or other approved signatory

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.31, 21-50 fibers = 0.30, 51-100 fibers = 0.25. Inter-laboratory SR values (Average of EMSL round robin data) = 0.29. EMSL maintains flability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. EMSL is not responsible for data reported in fibers/co, which is dependent on volume collected by non-laboratory personnel. Results have been blank corrected as applicable. The results in this report meet all requirements of the NELAC standards unless otherwise noted. Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

DUNCIEK SACCIALTY STEEL 830 BRIGHAM RD DUNKIRK, NY 14048



BOH LIME BUILDING-POURD DEMO

MADH

KONDWAY BPA LIME BLOK BUT DEMO 3/8/12 2/8/12

MAP#2

APPENDIX B

Рното Log



Photo 1:





Photo 3:



Photo 2:



Photo 1: Start of Demolition on south side pickle room of building.

Photo 2: South wall of pickle room being demolished.

Photo 3: Demolition and torch cutting steel supports to separate pickle room area from main plant.

Photo 4: Demolition of upper level pickle room and roof structure exhaust piping.

AL-Tech Brigham Road Realco Site **Demolition Pickle Room Buildings** Dunkirk, New York Date: February-June, 2012



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Photo 5:



Photo 7:



Photo 6:



Photo 8:



Photo 5: Pickle room east building wall still in place prior to it being demolished.

Photo 6: Structural steel separated out prior to being taken off site for salvage.

Photo 7: Pickle room north floor pit with kolene residue prior to being stabilized.

Photo 8: Quenching pit prior to stabilizing and segregating debris.

AL-Tech Brigham Road Realco Site Demolition Pickle Room Buildings Dunkirk, New York Date: February-June, 2012



Photo 9:



Photo 10:



Photo 11:



Photo 12:



Photo 9: Pumping and filtering standing water in floor pits, prior to sending to on-site treatment plant.

Photo 10: Tractor trailer delivering wood chips/sawdust for stabilizing impacted water in pits.

Photo 11: Stabilization of floor pits prior to disposing off-site to regulated landfill.

Photo 12: Loading stabilized materials into roll-off prior to disposal.

AL-Tech Brigham Road Realco Site **Demolition Pickle Room Buildings** Dunkirk, New York Date: February-June, 2012



Photo 13:





Photo 14:



Photo 16:



Photo 13: Pickle room north pit with majority of stabilized material removed.

Photo 14: Quenching pit material being loaded into roll-offs and disposed to off-site regulated landfill

Photo 15: Southern pit materials being segregated out for off-site disposal.

Photo 16: Quenching pit area after impacted material removal and cleanup.

AL-Tech Brigham Road Realco Site Demolition Pickle Room Buildings Dunkirk, New York Date: February-June, 2012



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Photo 17:



Photo 19:



Photo 18:



Photo 20:



Photo 17: Kolene residue on inside pickle room east wall, prior to wall being removed..

Photo 18: Partial backfill of pickle room floor pits with clean building brick in lower areas.

Photo 19: Looking west at east wall (exterior wall) to remain with floor pit partial backfill in near view.

Photo 20: Looking north at se corner building to remain, prior to reinforcing and metal flashing applied.

AL-Tech Brigham Road Realco Site Demolition Pickle Room Buildings Dunkirk, New York Date: February-June, 2012



Photo 21:



Photo 23:

Photo 23:



Photo 22:



Photo 24:



Photo 21: Below grade foundation of lime mixing structure demolished.

Photo 22: Outside wastewater pump pit structure used for discharging water to on-site treatment, prior to being demolished.

Looking north toward partially backfilled pits and "new" south exterior brick wall.

Photo 24: Pumping out water from wastewater pit into force main, where conveyed to on-site treatment plant.

AL-Tech Brigham Road Realco Site Demolition Pickle Room Buildings Dunkirk, New York Date: February-June, 2012



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Photo 25:



Photo 27:



Photo 26:



Photo 28:



Photo 25: Solidifying the south side below grade lime structure pit slurry with dry cement mix.

Photo 26: Grading the demolition footprint with approved import soil material.

Photo 27: Fine grading the southeast corner site prior to seeding and blocking in existing wall openings.

Photo 28: Fine grading the southeast corner site prior to seeding.

AL-Tech Brigham Road Realco Site Demolition Pickle Room Buildings Dunkirk, New York Date: February-June, 2012

BENCHMARK

Environmental
Engineering 8
Science, PLLC

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Photo 29:





Photo 30:



Photo 32:



Photo 29: Applying MRC agent sealer to outside of south brick wall.

Photo 30: MRC and asphalt coating applied on the inside plant south wall.

Photo 31: Applying asphalt mastic coating along bottom of south outside wall.

Photo 32: South exterior wall with MRC agent and asphalt coatings applied.

AL-Tech Brigham Road Realco Site Demolition Pickle Room Buildings Dunkirk, New York Date: February-June, 2012



Photo 33:



P. Commission of the Commissio



Photo 34:



Photo 36:



Photo 33: Closing up the exterior east wall openings with concrete block.

Photo 34: Southeast corner site post demolition work with vegetative growth started.

Photo 35: Closed up wall openings with concrete block, prior to final grading along walls.

Photo 36: Hay bales in-place around the catch basin located in the silt/gravel access area near site lift station,

for erosion and silt protection.

AL-Tech Brigham Road Realco Site Demolition Pickle Room Buildings Dunkirk, New York Date: February-June, 2012



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Photo 37:



Photo 39:



Photo 38:



Photo 40:



Photo 37: Fine grading along exterior building walls after concrete block and coatings completed.

Photo 38: Sheet metal drip edge installed along south side roof line where separation of buildings occurred.

Photo 39: Sheet metal flashing completed at the southeast corner building.

Photo 40: Sheet metal flashing completed on the far inside southeast corner building.

AL-Tech Brigham Road Realco Site **Demolition Pickle Room Buildings** Dunkirk, New York Date: February-June, 2012



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APPENDIX C

APPROVED WASTE PROFILES



Friable Asbestos Containing	Materials Non-Hazardous Waste Express Profiles
Requested Disposal Facility: Chaffee Landfill	Profile Number: 108570NY
Conewal for Profile Number:	Waste Approval Expiration Date:
Oneck here it there are multiple generating locations for	this waste. Attach additional locations,
A. Waste Generator Facility Information (mus	t reflect location of waste generation/origin)
1. Generator Name: REALCO (former Al-Tech Specialy Steel	
2. Site Address: Brigham & Willowbrook Roads	——————————————————————————————————————
3. Gity/ZIP: Dunkirk, 14048	
4. State: NY	10. NAICS Code:
5. County: CHAUTAUQUA	
6. Contact Name/Title: SEAN REED	12. State ID# (if applicable):
	P. O. Number:
Customer Name: Titan Wrecking & Environmental, LLC	6. Phone: 716-692-2000 FAX; 692-693-2650
2. Billing Address: PO Box 646	7. Transporter Name:
3. City, State and Zip; Tonawanda, 141, 14131	8. Transporter ID # (if appl.):
4. Contact Name: Sean Reed	9. Transporter Address:
8. Contact Email: sreed@tllanwrecking.com	10. City, State and ZiP:
C. Waste Stream Information	
State Waste Code(s): b. Describe Process Generating Waste or Source of Conta Removal of regulated, friable asbestos containing mai include clean-up wastes, such as soil, that are contained to the contained contained to the contained color(s): c. Typical Color(s): Any and all d. Strong Odor? Yes No Describe: e. Physical State at 70°F: Solid Liquid Po f. Layers? Single layer Multi-layer WA g. Water Reactive? Yes You No If Yes, Describe:	wination: lerials from demolition/dismantling or remediation activities. Does not linated with asbestos. wder □ Semi-Solid or Sludge □ Other: (solid) □ ≥ 200°F ☑ NA(solid)
Constituents (Total Composition Must be ≥ 100%)	Lower Range Unit of Measure Upper Range Unit of Measure
1. Demolition debris, asbestos 2.	_ 100
3,	
4,	
5. 6.	
2. ESTIMATED QUANTITY OF WASTE AND SHIPPING INFORM a. One Time Event Base Repeat Event	MONATA
	(
D. Estimated Annual Quantity: 1000 U Tons U	Cubic Yards Drums Gallons Other (specify);
c. Shipping Frequency: Units p	
d. Is this a U.S. Department of Transportation (USDOT) Haz	
e. USDOT Shipping Description (if applicable): RQ Asbes	
o. DAFETY REQUIREMENTS (Handling, PPE, etc.): Kespirator -	air purifying with HEPA cartridge as required by landfill policy.



Friable Asbestos Containing Materials Non-Hazardous Waste Express Profiles

108570NY

be wood and to a be the case of the case o	propriate responses)			
I. Waste Identification:				
a. Does the waste meet the definition of a USEPA lis	sted or characteristic hazardous waste as defined b	y 40 CFR Part 261	?□ Yes	⊠ №
1. If yes, please complete a hazardous waste p			_	,
 b. Does the waste meet the definition of a state haza l. If yes, please complete a hazardous waste p 	ardous waste other than identified in D.1.a? profile.		☐ Yes	☑ No
2. Is this waste included in one or more of categories b	elow (Check all that apply)? If yes, attach supporting	g documentation	. 🖸 Yes	Ø No
☐ Delisted Hazardous Waste	☐ Excluded Wastes Under 40CFR 261.4			
Treated Hazardous Waste Debris	☐ Treated Characteristic Hazardous Waste			
3. Is the waste from a Federal (40 CFR 300, Appendix B)			☐ Yes	VI No
4. Does the waste represented by this waste profile sh	neet contain radioactive material?		☐ Yes	₩ No
a. If yes, is disposal regulated by the Nuclear Regul	latory Commission?	☐ Yes ☐ No		
b. If yes, is disposal regulated by a State Agency for	r radioactive waste/NORM?	☐ Yes ☐ No		
8. Does the waste represented by this waste profile she (If yes, list in Chemical Composition - C.1.1)			☐ Yes	⊠ No
a. If yes, are the PCBs regulated by 40 CFR 761?		☐ Yes ☐ No		
b. If yes, is it remediation waste from a project bein	a performed under the Self-Implementing option r	u ies u No		
40 CFR 761.61(a)?	3 F second and an act implementing option p	Q Yes Q No		
c. If yes, were the PCBs imported into the US?		☐ Yes ☐ No		
6. Does the waste contain untreated, regulated medica	al or infectious waste?		Q Yes	Ø No
7. Does the waste contain asbestos?			☑ Yes	□ No
a. If Yes,		🗹 Friable 🔾		
8. Is this profile for remediation waste from a facility the	nat is a major source of Hazardous Air Pollutants (Si	te Remediation N	ESHAP.	
40 CFR 63 subpart GGGGG)?			☐ Yes	MO No
a. If yes, does the waste contain <500 ppmw VOHA	Ps at the point of determination?	☐ Yes ☐ No		
E. Generator Certification (Please read:	and certify by signature below)			
By signing this Generator's Waste Profile Sheet, I herei				
1. Information submitted in this profile and all attached	d documents contain true and accurate descriptions	s of the waste mat	erial;	
 Relevant information within the possession of the Ge disclosed to WM/the Contractor; 	enerator regarding known or suspected hazards pe	ertaining to this wa	aste has l	neen
 Analytical data attached pertaining to the profiled w 40 CFR 261.20(o) or equivalent rules; and 	vaste was derived from testing a representative san	nple in accordanc	e with	ļ
4. Changes that occur in the character of the waste (i.e	e. changes in the process or new analytical) will be cable) prior to providing the waste to WM (and the	identified by the contractor if appli	Generato	r
6. Check all that apply:				1
a. Attached analytical pertains to the waste. Ide	entify laboratory & sample ID #'s and parameters to	ested:		
D b. Only the analysis identified on the attachmen	nt pertain to the waste (identify by laboratory & san	nple ID #'s and pa	rameter:	s
 c. Additional information necessary to character Indicate the number of attached pages; 	erize the profiled waste has been attached (other th		h as MSE)S).
d. I am an agent signing on behalf of the General is available upon request.				
Certification Signature: The Forbe Company Name: Beachmark Environment	· Cas Agent 6- Rules) Tille: Agent	For Realco	the	(beren 2
Company Name: Benchmark Environment	(Rogenearry Name (Print): 7	homas Forbe	2.5	
Date: 2-24-/2				
<u> </u>				



Profile Addendum: State of New York WASTE SHIPMENT RECORD

	GENERATOR				
1.	*** * *.			•	
	Work site name:				
!	Work Site Address:				
	Owner's Name:				
2.	Operator's name:		Operator's Telephone:	()	
,	Operator's Address:		City/State:		Zip:
3.	Waste Disposal Site (WDS):		WDS Teleph	one: ()	
	Address:				
	Physical Site Location:				
4.	Agency Responsible:				
	Agency Address:				
	Owner's Name:				
5.	Description of Materials:	6. Number & Type of	Containers:	7. Total Quar	itity (m³ or yd³):
3	OPERATOR'S CERTIFICATION: I hereby descriping name and are classified, packed according to applicable international and Signature:	, marked and labeled and I government regulations.	are in all respects in pro	per condition fo	r transport by highway
	TRANSPORTER (Acknowledgment				
	Transporter 1 Name:	•	Ongratado Yalanhana	. / . \	
	Operator's Address: Signature:				•
	Transporter #2 Name:				
	Operator's Address:				
	Signature:				•
1	DISPOSAL SITE				
12.	Discrepancy indication space:				
	Certification of receipt of asbestos mate				
(Grid Coordinates: East No	orthEl			



State of New York Asbestos Manifest Policy Western New York Landfills

E. Additional Waste Stream Information

It shall be the policy of this site to reject all loads of friable asbestos material that have improperly completed manifests. Manifests for asbestos are properly referred to as Waste Shipment Records.

All Waste Shipment Records (WSR) are required to have the following information:

- Work Site Name; Generator (Owner) Name & Address; Emergency Phone Number;
- · Operators (contractor) name & address &phone
- Waste Disposal Facility Name and Site Address; Disposal's Facility's Phone Number;
- · Responsible Agency address
- Waste Shipping Name and Description; DOT Shipping Information for friable asbestos must read Asbestos, 9, NA2212, III, RQ;
- Number and Type of Containers;
- Total Quantity and Volume in cubic yards;
- · Operator Certification must be signed and dated
- Transporter Name; Transporter Phone Number; Transporter Signature; Date

All information cited above must be on a Waste Shipment Record. All WSRs associated with milk run shipments must be reviewed prior to offloading. Material containing non-friable asbestos must not be manifested as friable material or else such material will be handled as friable materials and all appropriate charges will apply.

Should any information be missing or incorrect, it will be the responsibility of the generator/owner to provide updated and correct information before the materials are accepted. This may be done via facsimile or hand delivered. The scale clerk will contact the appropriate customer service or sales representative to communicate that the paperwork is incorrect and that the load will be rejected unless the generator provides corrected documents. Third party transporters may be contacted directly by the scale clerk in the attempt to correct the paperwork. Landfill personnel will not correct or alter any manifest, in any way, so that the manifest will conform to regulatory requirement. Once the paperwork is corrected and acceptable the load may be off-loaded.

CWM Chemical Services, LLC

1550 Balmer Road PO BOX 200 Model City, NY 14107 (716) 286-1550 (866) 723-5732 Fax



Date: 02-24-12

Profile Number: NY303426

Generator: REALCO

Name of Waste: K062 Brick

Re: Profile Submittal

Dear Sean:

Thank you for submitting the Waste Profile referenced above. In accordance with the New York State regulation 6 NYCRR Part 373-2.2(d)(2), Part 372.2(b)(2) and Federal regulation 40 CFR 264.12(b), the Model City Facility is notifying you that it has the appropriate permits and is authorized for this type of waste. Following the completion of the profile review process, CWM will be issuing a confirmation letter, which includes a description of the waste management method and the conditions of the waste approval. When you schedule a shipment into the Model City Facility, you will be confirming that CWM will accept your waste shipment.

CWM appreciates this opportunity for providing you with world class waste management service.

Revised 11/16/06

CONFIRMATION LETTER

March 1, 2012

Sean Reed TITAN WRECKING & ENVIRONMENTAL PO BOX 646 TONAWANDA, NY 14151

Re: Confirmation Number 5643183

Attention: Sean Reed

We are pleased to confirm CWM's approval of your waste material as described below. The attached profile for the waste materials was prepared by CWM based upon information provided by you. It is important that no changes be made to the profile without CWM's consent. If the profile meets with your approval, please call 1-716-286-1550 to schedule shipment of your waste materials.

CWM Profile Number: NY303426 MDC

Approved Mgmt, Facility: CWM MODEL CITY FACILITY

or another CWM or CWM approved facility

Waste Name: K062 BRICK

<u>Disposal Method:</u> Debris Management and TSCA Landfill.

Disposal Price: - \$150.00 per ton with a 10 ton minimum per load

Taxes: Sales Tax = 8.0 % of Transportation, Disposal, and

all Fees

Town Tax @ 6.0 % of Disposal

Transportation Price: - \$525.00 per trip + 42.0 % Fuel Surcharge -

Varies Weekly

- \$475.00 per spot per can + 42.0 % Fuel

Surcharge - Varies Weekly

- Rental @ \$15.00 per day per roll off

Demurrage: - \$85.00 per hour after two free hours of loading

Pricing Conditions: - Miscellaneous Charges

-Incidental Liquid in Bulk Solid Loads=

\$800.00 per load

-Leaking Bulk Loads= \$200.00 per load - Environmental Fee @ 3.0 % of Disposal Re: Confirmation Number 5643183, CWMI Profile Number NY303426 MDC

Profile Expiration Date: 2/24/13

Special Conditions:

- An Asbestos Waste Shipment Record (WSR) will be required for each load of this waste stream.
- Regulated asbestos Containing Materials must be wetted and sealed in leak tight containers or wrapping.
- Waste profile sheet numbers must appear on manifests
- No demurrage will be paid by CWM Chem. Services Inc. for delays at Model City for on-site acceptance procedures when generator/customer arranges their own transportation.
- Wastestream must meet the definition of debris defined by 40 CFR 268.2(g).
- Special Land Disposal Notification and Certification Form must be properly executed and accompany first shipment of this waste with debris standards in 268.45 referenced. If EPA codes change, profile modification and new LDR form required.
- CWM Chemical Servies, L.L.C. (CWM) has all the necessary permits and licenses and is authorized for the management of the waste that has been characterized and identified by this profile.
- PCB waste must be manifested in accordance with 40 CFR 761.207.

Applicable state and local taxes are not included in these disposal prices. All wastes are priced as profiled, invoiced as actually received. Invoices shall be paid no later than thirty (30) days from the date of receipt. All terms are governed by the Agreement previously executed between our companies. The prices quoted above are subject to change by CWM upon thirty (30) days' prior written notice to you unless otherwise specifically provided or per the terms of our Agreement. If we have not previously concluded a Service Agreement with your company, one is enclosed for your convenience. Please sign and return it to us as soon as possible. Also, if 'Signature on File' does not appear on the signature line of the Waste Profile Sheet, please sign and return it before scheduling your material.

March 1, 2012

Re: Confirmation Number 5643183, CWMI Profile Number NY303426 MDC

If you have any questions or would like to make changes to the profile, please contact your representative. Thank you for this opportunity to be of service.

David Porter

Sean Reed

TITAN WRECKING & ENVIRONMENTAL

Chemical Waste Management, Inc

			LIOIIIA #
GENERATOR'S WAST	E PROFILE	SHEET M	OC NY303426
(_) Check here if this is a Recertification LOCATION OF OR	RIGINAL <u>CWM MODEL CI</u>		
A/B WASTE GENERATOR AND CUSTOMER INFORMATION			
1 (0-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1			
	Generator USEPA ID:	NYR000086603	
2. Generator Address: LUCAS AVE 1000 FT W OF CENTRAL		TITAN WRECKING & ENVIRO	NMENTAL
	(_) Same	PO BOX 646	
DUNKIRK NY 14048			
3. Technical			
Contact/Phone:	Billing	TONAWANDA	NY 14151
Contact/Phone:	Contact/Phone:		
C. WASTE STREAM INFORMATION			
			· · · · · · · · · · · · · · · · · · ·
la Process Generating Waste: <u>BUILDING DEMOLITION - REMOVING BRIC</u> ED Waste Name: K062 BRICK	K FLOORING WITH	RESIDUAL CONTAMINATION	
c Color : varies			
d Strong Odor: (_);describe:	····		
e Physical State @ 70F: Solid(X) Liquid() Both() Gas() 1f g Free liq. range: to % Gravity: to Viscosi h pH: Range .0 or Not applicable (V)	Single Layer () Mu	iltilayer (_)	
h pH: Range or Not applicable (X)	тсу: вто/16:	to	
i Liquid Flash Point: < 73F (_) 73-99F (_) 100-139F (_) 140-1	199F (_) >= 200F () N.A. (X) Closed Cun	(Y) Onen dun ()
a Is this a USEPA hazardous waste (40 CFR Part 261)? Yes (X)			(E) oben cob (_)
a Identify ALL USEPA listed and characteristic waste code number	io (_)		
· · · · · · · · · · · · · · · · · · ·		e Waste Codes: B007	·——-
b Do underlying hazardous constituents (UHCs) apply (40CFR268.48			
d Is the waste predominantly debris subject to the Alternate Deb	ris Standards (40 CF)	R268.45)? (<u>Y</u>)	
e Is the waste predominantly soil subject to the Alternate Soif Does the waste contain asbestos? (Y) If yes, is waste Friable(
a to made temediation from a major source of the life bollstones	1016	NEGRAD. ANCHO CO makena	######################################
If yes, does the waste contain <500 ppmw VOHAPs at the poi:	nt of determination	?()	09090) 7 (<u>ਸ਼</u>)
Waste contains PCBs (< >) 66 ppm, regulated by 4 Are PCBs regulated under SIRS Mega Rule (40 CFR 761,61(a) 7(1)	A ABB 421A (v)		
•	-		
CHEMICAL COMPOSITION: List ALL constituents (incl. halogenated Constituents	d organics) present	in any concentration and	forward analugio
DEBRIS	Kange	Unit Description	
BRICKS WITH KOLENE (SODIUM AND POTASSIUM HYDROXIDE HEAT TH	REAT 90 to	100 %	
SALTS)	to	100 5	
SOIL INCIDENTAL TO BRICK CHROMIUM	0 to	10 %	
PCBS	1.79 to	1.79 %	
TOTAL COMPOSITION (MUST EQUAL OR EXCEED 100%):	66 to	66 MG/KG 11.790000	See attach
Is the waste: Pyrophoric (_) Water-Reactive (_) Shock Sensitive Other			- ()
Other	<u></u>	44444444444444444444444444444444444444	8 (_)
Is waste Group 1 wastewater or residual under Hazardous Organic Does the waste contain radioactive material? (N) Regulated by N Is the waste a CERCIA (40 CER 700	NESHAP? (_)		
Is the waste a CERCLA (40 CFR 300, Appendx B) or state mandated	RC?(_) Is radioaction cleanup?(<u>N)</u>	ve waste NORM?(_)	
This is a Nonwastewater.			
Physical Appearance: BRICK			
DRICK.			
If waste subject to the land ban & meets treatment standards of	heck here: (_) & sur	oply analytical results ;	where applicable.
If waste subject to the land ban & meets treatment standards, contracking Number: 5643183	heck here: (_) & sur	oply analytical results a	where applicable.
If waste subject to the land ban & meets treatment standards, cl Tracking Number: 5643183 DOT Information and Shipping Volume Anticipated Annual Volume: 500 Unite: move			where applicable.
If waste subject to the land ban & meets treatment standards, of Tracking Number: 5643183 DOT Information and Shipping Volume Anticipated Annual Volume:			where applicable.

I hereby certify that all information submitted in this and all attached documents contains true and accurate descriptions of this waste. Any sample submitted is representative as defined in 40 CFR 261 - Appendix I or by using an equivalent method. All

relevant information regard CWM to obtain a sample from	ing known or suspecte any waste shipment f	d hazards in the possession or purposes of recertificat:	of the generator has been ion.	an equivalent method. All disclosed. I authorize
01				

Identify ALL Characteristic and Listed USEPA hazardous waste numbers that apply (as defined by 40 CFR 261). For each waste number, identify the subcategory (as applicable, check none, or write in the description from 40 CFR 268.41, 268.42, and 268.43).

	A. US EPA HAZARDOUS	B. SUBCATEGORY Enter the subcategory description.		<u> </u> 	D. HOW MUST THE WASTE BE MANAGED? Enter letter from below		
ref #	WASTE CODE(S) If not applicable, simply check none		PERFORMANCE- BASED: Check as applicable				SPECIFIED TECHNOLOGY: If applicable enter the 40 CFR 268.42 table 1 treatment code(s)
		DESCRIPTION	NONE	268.41(a)	268.43(a)	268.42	<u> </u>
1	K062		x	! ! x	<u> </u>		A
2				<u> </u>	<u> </u>		<u> </u>
_3			l				
4							
. <u>5 </u>		77.332					
6]		
7 <u> </u>			<u> </u>				
8			1			***************************************	
9 <u> </u>					[
10							
1	ļ					, , , , , , , , , , , , , , , , , , ,	
-			ļ ļ	ļ		***************************************	1
T				I			<u> </u>

Management under the land disposal restrictions:

- A. RESTRICTED WASTE REQUIRES TREATMENT
- A.1 RESTRICTED WASTE REQUIRES TREATMENT TO ALTERNATE SOIL STANDARDS
- B.1 RESTRICTED WASTE TREATED TO 268.40 STANDARDS
- B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
- B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UHCS
- B.5 RESTRICTED WASTES TREATED TO ALTERNATE SOIL STANDARD
- B.6 RESTRICTED WASTES TREATED TO ALTERNATE DEBRIS STANDARD
- C. RESTRICTED WASTE SUBJECT TO A VARIANCE
- D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
- E. NOT CURRENTLY SUBJECT TO LAND DISPOSAL RESTRICTIONS

Α.	TRANSPORTATION INFORMATION
a	. Is this a DOT Hazardous Material? Yes X No _
b	Proper Shipping Name RQ, HAZARDOUS WASTE, SOLID, N.O.S.
	and Additional Description if required: (K062, FCBS)
e.	DOT Regulations: North America Hazard Class: 9 Misc. Hazardous Mat'l I.D. NA3077 Packing Group: III 2nd Haz Cls:
c.	CERCLA Reportable Quantity (RQ) and units (Lb, Kg): 1 Lb
в,	Non-Bulk code 213 Bulk code 240
f.	Special Provisions B54 IB8 IP2 T1 +++ See DOT Regs for more info
g.	Labels Required CLASS 9
	PECIAL HANDLING INFORMATION
_	
	Material Safety Data Sheets Attached
_	THER INFORMATION
	AND AND CHARLES
_	
_	
_	
_	
_	
CI	IPUTAR, WACAD WANAGUUDUM AUDMTUTAAMTAN

Chemical Waste Management, Inc. has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile.

ATTACHMENT 2

FRAD

CHEMICAL COMPOSITION: Constituents	Additional	constituents NOT	included	on page 1 Range			Waste Profile Description		
ARSENIC	 .				_	0.1	.3 to 0.13 Mg/	L TC	

0.26 to 0.26 MG/L TC

3/01/12	LAND DISPO	SAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV)	MDC-NY303426
Generator Name:	RBALCO INC	Manifest Doc. No.:	
Profile Number:	NY303426 DEBRIS	State Manifest No:	
code, identify treatment stand must be listed	the corresponding subcatards are listed on the sand attached by the gen	ewater? (See 40 CFR 268.2) Check ONE: Nonwastewater X Wastewates that apply to this waste shipment, as defined by 40 CFR 261. tegory, or check NONE if the waste code has no subcategory. Sp following page. If F039, multi-source leachate applies, those exator. If D001-D043 requires treatment of the characteristic derlying hazardous constituent(s) present in the waste must be	. Por each waste pent solvent constituents
3. US EPA HAZARDOUS REF WASTE		4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE	5. HOW MUST THE WASTE BE MANAGED?
# CODE(S)			ENTER LETTER
1 K062	, , , , , , , , , , , , , , , , , , ,	x	
2			
3	· · · · · · · · · · · · · · · · · · ·		
If no UKCs are property to list additional and check here: Disposal facility	esent in the waste upon 1 USEPA waste code(s) a	g hazardous constituent(s), use the "F039/Underlying M-2004) and check here: Its initial generation check here: X nd subcategorie(s), use the supplemental sheet provided (CWM-20 check here _ ulated under the CWA, or a Class 1 injection well under the SD	1
the letter B1, B3, to manage the LDR p regulatory citation citations. A. RESTRICTED WAST This waste must X For Hazardous D B.1 RESTRICTED WAST. "I certify unde ation of the trainmediately register the prohibite including the py of the prohibite including the py of the prohibite including the py B.3 GOOD FAITH ANAM "I certify under of the treatment responsible for treated by combu organic constituted there are as and imprisonment B.4 DECHARACTERIZED "I certify under 268.49, to remov that require fur submitting a fal B.6 RESTRICTED DEBRI "I certify under of the treatment so as to comply prohibited waste the possibility C. RESTRICTED WASTE This waste is su effective date o For Hazardous Deb D. RESTRICTED WASTE "I certify under testing or throughted the possibility contact the possibility waste is su effective date o For Hazardous Deb D. RESTRICTED WASTE "I certify under testing or throughted the possibility waste is su effective date o For Hazardous Deb D. RESTRICTED WASTE "I certify under testing or throughted the possibility of waste is su effective state of the possibility of the possibility of B. WASTE IS NOT CURI	B4, B5, B6, or D you ar rogram may have regulates differ, your certific. Be REQUIRES TREATMENT be treated to the applichris: "This hazardous of TREATED TO PERFORMANCE penalty of law that I satment process used to consible for obtaining to as to comply with the satment process used to consible for obtaining to as to comply with the satment process used to consible for obtaining to as to comply with the satment process used to support penalty of law that I process used to support obtaining this informatistion in units as special ents despite having used in the same standard to the treatment to meet the hazardous charact ther treatment to meet se certification, inclust the treatment to meet se certification, inclust the treatment standard s. I am aware that the of fine and imprisonment SUBJECT TO A VARIANCE before to a national capf prohibition in column ris: "This hazardous del CAN BE LAND DISPOSED W. penalty of law I have phy knowledge of the wasting in 40 CFR Part 268 am aware that there are of fine and imprisonment fine and imprisonment fine and imprisonment of the same aware that there are of fine and imprisonment of the same aware that there are of fine and imprisonment of the same aware that there are of the substitute of the same aware that there are of the substitute of the same aware that there are of the substitute of the same aware that there are of the same aware that the same aware that there are of the same aware that the same aware that the same aware that the same aware that the same are of the same aware that the same aware that the same aware that the same aware that the sam	have personally examined and am familiar with the treatment to support this certification. Based on my inquiry of those indithis information, I believe that the treatment process has been treatment standards specified in 40 CFR 268.40 without imperere are significant penalties for submitting a false certifical imprisonment." RINCINERATED ORGANICS have personally examined and am familiar with the treatment tetthis certification, Based on my inquiry of those individual idion, I believe that the nonwastewater organic constituents have field in 268.42 Table 1. I have been unable to detect the nonward best good faith efforts to analyze for such constituents. I are submitting a false certification, including the possibility of submitting a false certification, including the possibility of the analyse for such constituents. I are submitted to the submitting a false certification and imprisonment. "PERFORMANCE STANDARDS have personally examined and am familiar with the treatment test this certification and believe that it has been maintained are specified in 40 CFR 268.45 without impermissible dilution of re are significant penalties for submitting a false certification." acity variance, a treatability variance, or a case-by-case extension is subject to the alternative treatment standards of 40 CFTHOUT FURTHER TREATMENT personally examined and am familiar with the waste through analte to support this certification that the waste complies with the personally examined and am familiar with the waste through analte to support this certification that the waste complies with the subject to the subject to the information I submitted is true, significant penalties for submitting a false certification, in the subject to the subject to the information I submitted is true, significant penalties for submitting a false certification, in the subject to the subject to the information I submitted is true, significant penalties for submitting a false certification, in the submitted is true.	at that if you enter at the substitute of the 40 CFR CFR 268.45.* Cchnology and operation of the dilution of the dilution of the dilution of the substitute of the substitut
I hereby certify that best of my knowledge	all information submit and information.	tted in this and all associated documents is complete and accur	ate, to the
Gi-mak			



	Service Agreement on fil		r NY303	426		
	Check here if there are multiple generating locations for					
	Check here if a Certificate of Destruction or Disposal is r					
	Requested Disposal Facility: Model City (Hazardous Waste F					
_	☐ Renewal for Profile Number: A. Waste Generator Facility Information (must	Waste Approval Expiration Dat	e:			
\leftarrow						
	. Generator Name: REALCO (former Al-Tech Specialy Steel					
!	. Site Address: LUCAS AVE 1000 FT W OF CENTRAL	8. Phone: 716-692-2000 X105				
3.	. City/ziP: Dunkirk, 14048	9. FAX; 716-693-2650				
	State: NY	10. NAICS Code:]
₿.	County: CHAUTAUQUA	11. Generator USEPA ID #: NYR000	086603	_		
	Contact Name/Title: SEAN REED	12. State ID# (if applicable):				
	B. Customer Information U same as above		Number:			j
]
	Customer Name: Titan Wrecking & Environmental, LLC					
		7. Transporter Name:				
	City, State and ZIP: Tonawanda, NY, 14151					
	Contact Name: Sean Reed					
6.	Contact Email: sreed@tilanwrecking.com	10. City, State and ZIP:				
	C. Waste Stream Information	USEPA Hazardous 🗹 State Hazard				
1.	. Description					
	a. Name of Waste: K062 BRICK					
	b. Process Generating Waste:					
	BUILDING DEMOLITION					
	c. Color: VARIES	*				
	d. Strong Odor (describe):					
	e. Physical State at 70°F: 🗹 Solid 🗆 Liquid 🗀 G	as 🛘 Sludge 🗘 Other:				
	f. Layers? 🗹 Single layer 🔲 Multi-layer					}
	g. Pree Liquid Range (%) 0 to Specific Gra	vity: Viscosity:	BTL	J/lb:		
	h. pH Range:to VI NA (Solid)					
	i. Liquid Flash Point: □ < 140°F □ 140°- 199°	F □≥200°F ⊈ NA(solid)	:			
2.	. Is this a USEPA hazardous waste (40 CFR Part 261)? If the ar				Yes	□ No
	a. If yes, identify ALL USEPA listed and characteristic waste		-			
	K062					
	b. If a characteristic hazardous waste, do underlying hazar	dous constituents (UHCs) apply (40 CFR	268.48)?		Yes	M No
	(if yes, list in Section C.2.j)					
	c. Is the waste subject to RCRA Subpart CC Controls (40 C			_	Yes Yes	☑ No
	 If no, does the waste meet the organic LDR Exempt 			O No		
	2. If no, does the waste contain <600 ppm volatile org	anic (VOC's)?	Q Yes	□ No		
	3. Volatile organic concentrationppm.					ra ć
	d. Is the waste predominately debris subject to the Alterna				☐ Yes	No No
	e. Is the waste predominately soil subject to the Alternate			[] x•-	☐ Yes	M No
	1. If yes, will Underlying Hazardous Constituents app		U Yes	□ No	☑ Yes	□ No
	f. Does the waste represented by this profile contain asber	ROST	☑ Friable		u res Von-Friabl	
	2. If yes:	ono?	A LUNDIO	, 41	ович-лок П Үев	© No
	g. Does the waste represented by this profile contain benz					□ No
		D (At) (: PR DAY) R (NUNNAY) PP P			L YOU	
	 Is this subject to Benzene Operations Waste NESHA If yes, complete Benzene Waste Operations NESHA 				☐ Yes	



Profile Number NY303426

C. Waste Stream Information (continued)		· · · · · · · · · · · · · · · · · · ·			
h. Is this profile for remediation waste from a facility that is a n 40 CFR 63 subpart GGGGG)?	najor source of l	iazardous Air Pollui	ants (Site Remed		
			_	Yes	☑ No
1. If yes, does the waste contain <500 ppm VOHAPs at the	te point of deter	mination?	Yes Yes	О№	
 Does the waste represented by this waste profile sheet con (If yes, list in Chemical Composition - C.2.j) 	lain Polychlorin	ated Biphenyls (PCI	3s)?	☑ Yes	□No
1. If yes, are the PCBs regulated by 40 CFR 761?			☑ Yes		
2. If yes, is it remediation waste from a project being p	ovformed under	Alex Cale I	Tes	□ No	
40 CFR 761.61(a)?	enomied under	tue sen-mpiemen		dea m W No	
3. If yes, were the PCBs imported into the US?				A No A No	
j. Chemical Composition (List all constituents [including halog	nicapro betaner	s. dehris and HC!	al nyagant in any	en NO	
and submit representative analysis): (See Attached - for	or entering addi	tional constituents)	oj present in any	CONCOMINATION	
Constituents (Total Composition Must be ≥ 100%)	Lower Range	Unit of Measure	Upper Range	Unit of Measure	<u> </u>
1, KOLENE IMPACTED BRICK	90	%	100	%	_
2, SOIL (INCIDENTAL TO BRICK)	0	%	10	%	
3					
4					
6					
6					
k. Check any that apply: 🔲 Pyrophoric 🗀 Water Reactiv	e 🔲 OSHA Car	roinogen 🔲 Shock	Sensitive 🔲 O	xidizer 🗀 Infe	otions
1. Is the waste subject to controls as a Group 1 wastewater or r	esidual under th	e Hazardous Organ	ic NESHAP?	☐ Yes	∀ No
l. If yes, is it a Table 8 or Table 9	compound?			4 .00	<u>Q</u> .10
m. Does the waste represented by this waste profile sheet con	itain radioactive	material?		☐ Yes	₩ No
1. Is disposal regulated by the Nuclear Regulatory Comm			Yes	□№	QI NO
2. If NORM, identify isotopes and concentration,		Ci/a.	€ 100	G110	
n. Is the waste from a CERCLA (40 CFR 300, Appendix B) or sta				☐ Yos	⊠ No
1. If yes, attach Record of Decision (ROD), 104/106 or 122	order or court	order that governs:	site clean-up for	activity.	Œ NO
For state mandated clean-up, provide relevant docum	entation.	3			
o. Is this a State Hazardous Waste?				Yes	□No
1. If yes, please list applicable codes: B007		A 40-3			
If NY waste codes B001-B007 apply, please complete	e question C.2.o	on page 1.			
D.DOT Information and Shipping Volume			t		
1. Quantity of Waste					
a. 🗹 One Time Event 🔲 Base 🔲 Repeat Event					
b. Estimated Annual Quantity: 500	_ 🗹 Tons	☐ Yards ☐ Dru	ıms 🛚 Other (specify)	
c. Shipping Frequency: Units: Per: D Mc	onth 🚨 Quart	er 🗆 Year 🗹 🤇	ne Time 🚨 O	her	
2. Shipping Information					
a. Packaging:					
Roll off/End dump:		Other:			
Drum Type/Size:		Q Vacuum	Box		
☐ Tanker ☐ Super Sack ☐	Tote Bin	Cubic Y	ard Boxes		
b. Is this a U.S. Department of Transportation (USDOT) Hazar	dous Material (I	ino, skip c. d and e)?	☑ Yes	□ No
c. Reportable Quantity (lbs.; kgs.): d,					— o
e. USDOT Shipping Name:	****		PG:		
E. Conerator Certification (Please read and cer	tify by signa	ture below)			
hereby certify that all information submitted in this and all attached documents of			vasiesiream. Ānv san	role submitted is a re	anra-
ontative as defined in 40 CFR 261 - Appendix 1 or by using an equivalent method.	I authorize WMI to o	biain a semple from any	waste shipment for pr	irposes of recertifica	ation. If
his certification is made by a broker, the undersigned signs as authorized agent of tilon provided by the generator and additional information as it has determined to	be reasonably nece	ssary. If approved for ma	nagement, Contracto	r has all the necessa	ry nar-
nits and licenses for the waste that has been characterized and identified by this a known or suspected hazards pertaining to the waste will be disclosed to the contra	pproved profile. All r	evelant information with	in the possession of th	ie Generator regard	ina
and be disclosed to the Contractor prior to providing the waste to the Contractor.					
Company Name: Berchmark Finisonnech Engineering	est for leade	e). Title: 150	too Regle	o. Frc (Gere	<u>~~</u> ~)
Company Name: Berchmark Fryment (Engineer)	25		Thomas For	bes	
Date: 2-24-/2					



HAZARDOUS WASTE PROFILE ADDENDUM

Profile Number: NY303426

	ation		•	
1. If this is USEPA hazardous waste (40 CFR Part 261), identify ALL USEPA (is	ited and characteris	tic waste code nu	mhare /D E V D III.
			4.0.	
2. Chemical Composition (List all constituents [in concentration and submit representative analyses)	ncluding halogenated o	rganics, debris, an	d UHC's] presen	t in any
Constituents (Total Composition Must be > 100%)	Lower Range	Unit of Measure	Upper Range	Unit of Heasure
7.				
8				
10				
11.	***			
12.				
13				
12				
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Profile Amendment Request Form

Assendment Turns (7) One Three Oaks Burns of (7)	7A n			<i>t</i> a			
Amendment Type: One Time Only Request (Event)			to Profile	(Base)			:
Additional Analytical/MSDS to be added to profile (se	·		5			р.,	•
Volume increase (specify volume)				Drums	☐ Gallons	U Other (special	ý)
Constituent(s) to be added and/or modify current ran	ige in chemi	cal compos	ition:				
Chemicals or constituents to be added/modify		Low	High	Units			
INCIDENTAL SOIL		10					
BRICK		<u>51</u>	<u>80</u>	<u>%</u>			
☐ Change current ranges on profile (specify below)							
pH Rangeto Free Liquid Ra	anget	io					
Other (specify)	······································						
FENERATOR CERTIFICATION y signing this form, the Generator hereby certifies:	***************************************				-		
y signing this form, the Generator hereby certifies; he information provided in this document, the reference ontain true and accurate descriptions of the waste mater	ed Waste Ma	nagement (mation rega	Generato	r's Waste own or su	Profile Sheet spected haz	, and all other rel ards in the posse	ferenced docur
y signing this form, the Generator hereby certifies; he information provided in this document, the reference ontain true and accurate descriptions of the waste mater enerator has been disclosed.	riai. All infor	mation rega	irding kno	own or su	spected haz	ards in the posse	ssion of the
y signing this form, the Generator hereby certifies: he information provided in this document, the reference ontain true and accurate descriptions of the waste mater enerator has been disclosed. Senerator/Customer Signature:	riai. All infor	mation rega	rding kno	own or su	spected haz	ards in the posse 3-2-(2	ssion of the
y signing this form, the Generator hereby certifies: he information provided in this document, the reference ontain true and accurate descriptions of the waste mater enerator has been disclosed. Generator/Customer Signature: Company Name: Bechnyle Environm	riai. All information of the second of the s	mation regarders	for Re	own or su	spected haz ic. Date: croce	3-2-12 PUC	ssion of the
y signing this form, the Generator hereby certifies: he information provided in this document, the reference ontain true and accurate descriptions of the waste mater enerator has been disclosed. Senerator/Customer Signature:	riai. All information of the second of the s	mation regarders	for Re	own or su	spected haz ic. Date: croce	3-2-12 PUC	ssion of the
y signing this form, the Generator hereby certifies: the information provided in this document, the reference ontain true and accurate descriptions of the waste mater enerator has been disclosed. Senerator/Customer Signature: Senerator/Customer Si	riai. All information of the second of the s	mation regarders	for Re	own or su	spected haz ic. Date: croce	3-2-12 PUC	ssion of the
y signing this form, the Generator hereby certifies: the information provided in this document, the reference contain true and accurate descriptions of the waste mater enerator has been disclosed. Generator/Customer Signature: Company Name: Benchmak Environm Company Name: Contain (Print): Thomas Forbes (as Age OR WASTE MANAGEMENT USE ONLY	lia. Allinford liss as used to	Mation regardent	for Pa for Pa for co to co	edas I	spected haz nc. Date: Crience Title:	3-2-12 PUC	les (co, t
y signing this form, the Generator hereby certifies: ne information provided in this document, the reference ontain true and accurate descriptions of the waste mater enerator has been disclosed. enerator/Customer Signature: ompany Name: Berchrack Fryiman ame (Print): Thomas Forkes (as Ago OR WASTE MANAGEMENT USE ONLY Submitted By: (WM. Iohilah)	lia. Allinford	Mation regardent	riding kno for la ening torc)	edas I	spected haz	ards in the posse 3-2-12 PUC Age the	les (co, t
y signing this form, the Generator hereby certifies: the information provided in this document, the reference ontain true and accurate descriptions of the waste mater enerator has been disclosed. Senerator/Customer Signature: Signal (Print): Thomas Forbes (as Asc OR WASTE MANAGEMENT USE ONLY Submitted By: (W.M. Initiali) WM Approval:	lia. Allinford	Mation regardent	riding kno for la ening torc)	edas I	spected haz	ards in the posse 3-2-12 PUC Age the	les leo, t
y signing this form, the Generator hereby certifies: ne information provided in this document, the reference ontain true and accurate descriptions of the waste mater enerator has been disclosed. enerator/Customer Signature: ompany Name: Buchnuk Fryinsm ame (Print): Thomas Forkes (as Ago OR WASTE MANAGEMENT USE ONLY Submitted By: (Y.M. Ioliah) WM Approval: Agency Approval Required:	les as	Mation regardent	riding kno for la covers	edas I	spected haz	ards in the posse 3-2-12 PUC Age the	les (co, t
y signing this form, the Generator hereby certifies; the information provided in this document, the reference contain true and accurate descriptions of the waste mater cenerator has been disclosed. Senerator/Customer Signature: Sign	les as	Mation regardent for the leader for	ension	elas I	rc, Date:	ards in the posse 3-2-12 PLEC Best for	les (co, t
y signing this form, the Generator hereby certifies: ne information provided in this document, the reference ontain true and accurate descriptions of the waste mater enerator has been disclosed. enerator/Customer Signature: Company Name: Company Name: Company Name: Company Frint:	les as	mation regarded for the least control of the least	ension Due Date Extension	L S	rc, Date:	ards in the posse 3-2-12 PLEC Rest for	les (co, t
y signing this form, the Generator hereby certifies; the information provided in this document, the reference contain true and accurate descriptions of the waste mater enerator has been disclosed. Generator/Customer Signature: Company Name: Co	les as utal +	mation regarders of the leaders of t	ension Due Date Extension Extension	L S	rc, Date:	ards in the posse 3-2-12 PLEC Best Ar	les (co, t

CWM Chemical Services, LLC

1550 Balmer Road PO BOX 200 Model City, NY 14107 (716) 286-1550 (866) 723-5732 Fax



Date: 03-07-12

Profile Number: NY303450

Generator: REALCO

Name of Waste: K062 Sludge

Re: Profile Submittal

Dear Sean:

Thank you for submitting the Waste Profile referenced above. In accordance with the New York State regulation 6 NYCRR Part 373-2.2(d)(2), Part 372.2(b)(2) and Federal regulation 40 CFR 264.12(b), the Model City Facility is notifying you that it has the appropriate permits and is authorized for this type of waste. Following the completion of the profile review process, CWM will be issuing a confirmation letter, which includes a description of the waste management method and the conditions of the waste approval. When you schedule a shipment into the Model City Facility, you will be confirming that CWM will accept your waste shipment.

CWM appreciates this opportunity for providing you with world class waste management service.

Revised 11/16/06



			r NY303450		
	Check here if there are multiple generating locations to				
	☑ Check here if a Certificate of Destruction or Disposal is Requested Disposal Facility: Model City (Hazardous Waste				
			A.	", . ;	
	☐ Renewal for Profile Number:	t reflect location of waste gene	vation/origin)	 	
	Generator Name: REALCO (former Al-Tech Specialy Steel			- • •	\longrightarrow
	Site Address: LUCAS AVE 1000 FT W OF CENTRAL			·	
	State: NY	9. FAX: 716-693-2650		•	
	County: CHAUTAUQUA				<u> </u>
	Contact Name/Title: SEAN REED				
	B. Customer Information () same as above				Ť
			Number:		
	Gustomer Name: Titan Wrecking & Environmental, LLC				
	Billing Address: PO Box 646	7. Transporter Name:			
	City, State and ZIP: Tonawanda, NY, 14151	8. Transporter ID # (if appl.):			
	Contact Name: Sean Reed	9. Transporter Address:			
5.	Contact Email: sreed@titanwrecking.com	10. City, State and ZIP:	•	•••	
	C. Waste Stream Information	🗹 USEPA Hazardous 🗹 State Hazard	ous 🗹 TSCA		
l.	Description				
					, }
	b. Process Generating Waste:				,
	BUILDING DEMOLITION/pit cleanout				.
	c. Color; VARIES				
	d. Strong Odor (describe):				— I
	e. Physical State at 70°F: Solid Cliquid Cl				
	f. Layers? Single layer Multi-layer	sas a blidge a oliter:			_
	g. Free Liquid Range (%) 0 to Specific Gra	witer Viceorite	POTT/II.		
	h. pH Range:to 🗹 NA (Solid)	viscosity.			·
	i. Liquid Flash Point:	PF VI > 200°F D NA(solid)			
2.	Is this a USEPA hazardous waste (40 CFR Part 261)? If the a	• • •		☑ Yes	□ No
	a. If yes, identify ALL USEPA listed and characteristic wast	- •			
	K062				,
	b. If a characteristic hazardous waste, do underlying haza	rdous constituents (UHCs) apply (40 CFR	268.48)?	Yes Yes	☑ No
	(if yes, list in Section C.2.))	(TD 00/1000 0 00H 100H 0 T) 0 0H 1 1		—	r:
	c. Is the waste subject to RCRA Subpart CC Controls (40 C	•	Add'l Info	☐ Yes	M No
	 If no, does the waste meet the organic LDR Exemp If no, does the waste contain <600 ppm volatile organic 		U Yes U No		
	3. Volatile organic concentration ppm.	gamo (400 s):	G tes G Mo		
	d. Is the waste predominately debris subject to the Altern	ate Debris Standards (40 CFR 268.45)?		Yes	Ø No
	e. Is the waste predominately soil subject to the Alternate)?	☐ Yes	M No
	1. If yes, will Underlying Hazardous Constituents app	ly? (list in C.2.j)	☐ Yes ☐ No		
	f. Does the waste represented by this profile contain asbe	stos?		Yes	□ No
	2. If yes:		Friable 1	Von-Friabl	,
	g. Does the waste represented by this profile contain ben			Q Yes	Ø No
	1. Is this subject to Benzene Operations Waste NESH			☐ Yes	□ No
	If yes, complete Benzene Waste Operations NESH.	nr (bwow) questionnaire.)
`					,



Profile Number NY303450

C.Waste Stream Information (continued)					$\overline{}$			
h. Is this profile for remediation waste from a facility that is a m	ajor source of Ha	zardous Air Pollut	ants (Site Remed	lation NESHAP,				
40 CFR 63 subpart GGGGG)?	_			Yes	⋈ No			
 If yes, does the waste contain <800 ppm VOHAPs at the 				□ No				
i. Does the waste represented by this waste profile sheet contain	ain Polychlorinat	ed Biphenyls (PCE	38)?	☑ Yes	□No			
(If yes, list in Chemical Composition - C.2.j)			_					
1. If yes, are the PCBs regulated by 40 CFR 761?			Yes (□ No	1			
2. If yos, is it remediation waste from a project being performed under the Self-Implementing option provided in								
40 CFR 761.61(a)?				ъ No				
3. If yes, were the PCBs imported into the US?				∑í No				
j. Chemical Composition (List all constituents [including halog and submit representative analysis): (See Attached - for			's] present in any	concentration				
Constituents (Total Composition Must be ≥ 100%)	Lower Range	Unit of Measure	Upper Range	Unit of Measure	,			
1. Sludge	20	%	50	%	l			
2. Brick/debris	50	%	75	%				
3. PCB contamination	50 0	ppm	500	ppm				
4. Lime (solidification) 5. Wood Chips	0	%	10	<u>%</u> %				
6.		70	10					
			<u> </u>					
k. Check any that apply: Pyrophoric Water Reactive								
l. Is the waste subject to controls as a Group I wastewater or re		e Hazardous Orgai	nio NESHAP?	🔾 Yes	⋈ No			
1. If yes, is it a Table 8 or Table 9					,			
m. Does the waste represented by this waste profile sheet con		material?		☐ Yes	M No			
1. Is disposal regulated by the Nuclear Regulatory Comn			🗋 Yes	□No				
2. If NORM, identify isotopes and concentration,	•	•		_				
n. Is the waste from a CERCLA (40 CFR 300, Appendix B) or sta		•	. 24	☐ Yes	Mo Mo Mo Mo Mo			
 If yes, attach Record of Decision (ROD), 104/106 or 122 For state mandated clean-up, provide relevant documents 		order that governs	site diean-up for	activity.				
o. Is this a State Hazardous Waste?	entation,			Yes	□No			
1. If yes, please list applicable codes: B007			•	€ 198	CMO			
If NY waste codes B001-B007 apply, please complete	e question C.2.c	on page 1.						
D.DOT Information and Shipping Volume	•							
1. Quantity of Waste		····		•				
a. 🗹 One Time Event 🔘 Base 🔲 Repeat Event								
b. Estimated Annual Quantity: 250	_ 🗹 Tons	🔾 Yards 🔾 Dr	ums 🚨 Other (specify)	•			
c. Shipping Frequency: Units: Per: 🚨 Me		er 🗆 Year 🗹 (
2. Shipping Information	-				_			
a. Packaging:								
Roll off/End dump:								
☐ Drum Type/Size:		🔾 Vacuun	1 Box					
☐ Tanker ☐ Super Sack ☐	Tote Bin	🚨 Cubic Y	ard Boxes					
b. Is this a U.S. Department of Transportation (USDOT) Hazar	dous Material (If	no, skip c, d and e	e)?	Yes	□ No			
c. Reportable Quantity (lbs.; kgs.): d.								
e. USDOT Shipping Name:			PG:					
E. Generator Certification (Please read and cer	dify by signa	ture below)						
I hereby certify that all information submitted in this and all attached documents of sentalive as defined in 40 CFR 281 - Appendix 1 or by using an equivalent method, this certification is made by a broker, the undersigned signs as authorized agent of allon provided by the generator and additional information as it has determined to mits and licenses for the waste that has been characterized and identified by this a known or suspected hazards pertaining to the waste will be disclosed to the contrated by the disclosed to the Contractor prior to providing the waste to the Contractor. Certification Signature: Company Name:	I authorize WMI to ol f the generator and he be reasonably neces pproved profile. All r ctor, All changes whi	btain a sample from any as confirmed the inform ssary, if approved for m evelant information will ch occur in the characte	rwaste shipment for p ation contained in this anagement, Contracto hin the possession of t ar of the waste will be	urposes of recertific s Profile Sheet from i or has all the necess he Generator regard identified by the Ge	allon, if niorm- ary per- ling nerator			
Company Name: Boschnick Environmental Engl	neums Ssive	Name (Print):	Thomas Fo	orbes				
Date: March 7, 2012					,			



HAZARDOUS WASTE PROFILE ADDENDUM

Profile Number: NY303450

F. Addendum to Waste Stream Inform	nation			
1. If this is USEPA hazardous waste (40 CFR Part 2	61), identify ALL USEPA (is	sted and characteris	tic waste code nui	mbers (D, F, K, P, U):
			,	
	-			
			· · · · · · · · · · · · · · · · · · ·	
 Chemical Composition (List all constituents concentration and submit representative ana Constituents (Total Composition Must be > 100%) 	lysis): Lower Range	Unit of Measure	Upper Range	Unit of Measure
7.				
9.				
10				
11.				
12				
13 14				
15.				
16				
17				
18				
19				
20.				
3. Is this a State Hazardous Waste? Yes No				
If yes, please list applicable codes				



the contract of the contract o	file? U Yes U No Profile Number NY303471
Check here if there are multiple generating locations for	for this waste. Attach addition locations.
☑ Check here if a Certificate of Destruction or Disposal is	
Requested Disposal Facility: Model City (Hazardous Waste	
Renewal for Profile Number:	Waste Approval Expiration Date:
	st reflect location of waste generation/oxigin)
1. Generator Name: REALCO (former Al-Tech Specialy Steel	7. Email Address; SREED@TITANWRECKING.COM
	8. Phone: 716-692-2000 X105
3. City/zip: Dunkirk, 14048	9. FAX: 716-693-2650
4. State: NY	10. NAICS Code:
6. County: CHAUTAUQUA	11. Generator USEPA ID #: NYR000086603
6. Contact Name/Title; SEAN REED	12. State ID# (if applicable):
B. Customer Information 🗆 same as above	P. O. Number:
Customer Name: Titan Wrecking & Environmental, LLC	6. Phone: 716-692-2000 FAX: 692-693-2650
	7. Transporter Name:
3. City, State and ZiP: Tonawanda, NY, 14151	
	9. Transporter Address:
B. Contact Email: sreed@titanwrecking.com	10. City, State and ZIP:
C.Waste Stream Information	☐ USEPA Hazardous ☐ State Hazardous ☐ TSCA
1. Description	C ODERA Hazardous C State Hazardous C 15CA
a. Name of Waste: "mixing building pit" - Sludge/bricks	· ·/dobris
b. Process Generating Waste:	vaebus
Site demolition	
c. Color: Various -	
d. Strong Odor (describe):	
	Gas 🛘 Sludge 🗘 Other:
f. Layers? Single layer Multi-layer	
· · · · · · · · · · · · · · · · · · ·	avity: Viscosity: BTU/lb:
h. pH Range:to VI NA (Solid)	Travosky Dronb.
	9°F □≥200°F ☑ NA(solid)
2. Is this a USEPA hazardous waste (40 CFR Part 261)? If the a	
a. If yes, identify ALL USEPA listed and characteristic was	
a. If you, identity and observation and characteristic was	ne code numbers (D,r,r,r,D).
b. If a characteristic hazardous waste, do underlying haza	ardous constituents (UHCs) apply (40 CPR 268.48)?
(if yes, list in Section C.2.j)	
c. Is the waste subject to RCRA Subpart CC Controls (40 C	
1. If no, does the waste meet the organic LDR Exemp	
2. If no, does the waste contain <500 ppm volatile or	ganic (VOC's)? Yes 🖸 No
3. Volatile organic concentrationppm.	The Thirty of the Company of the Com
d. Is the waste predominately debris subject to the Altern	
 Is the waste predominately soil subject to the Alternate I. If yes, will Underlying Hazardous Constituents app 	
f. Does the waste represented by this profile contain asbe	• •
2. If yee;	□ Friable ☑ Non-Friable
g. Does the waste represented by this profile contain ben	· · · · · · · · · · · · · · · · · · ·
1. Is this subject to Benzene Operations Waste NESH.	
If yes, complete Benzene Waste Operations NESH.	• •
`	· · · · · · · · · · · · · · · · · · ·



Profile Number NY303471

C.Waste Stream Information (continued)			-		
h. Is this profile for remediation waste from a facility that is a n 40 CFR 63 subpart GGGGG)?	najor source of H	azardous Air Pollut	ants (Site Remed	diation NESHAP,	МNо
1. If yes, does the waste contain <600 ppm VOHAPs at the last the last the waste represented by this waste profile sheet contains.				□ No ☑ Yes	_ □no
(If yes, list in Chemical Composition - C.2.j)	iani i diyonioime	ned pibnenyis (r Or	, in the second of the second	₩ 162	□ NO
1. If yes, are the PCBs regulated by 40 CFR 761?			🔲 Yes	☑ No	
2. If yes, is it remediation waste from a project being p	oerformed under	the Self-Implement		ided in	
40 CFR 761.61(a)?				M No	
3. If yes, were the PCBs imported into the US?				🗹 No	
j. Chemical Composition (List all constituents [including halo and submit representative analysis): (See Attached - for the control of the			s] present in an		
Constituents (Total Composition Must be ≥ 100%) 1. Non RCRA sludge	Lower Range 50	Unit of Measure %	Upper Range 75	Unit of Measure	,
2. Brick	20	%	50	%	
3. Debris (wood, plastic)	10	· %	30	%	 [
4. Nickel	11.6	mqq		 ``	
5.					(
6.					1
k. Check any that apply: Pyrophoric Water Reactive	re □ OSHA Ce	reinogen 🗀 Shock	Sensitive D (Oxidizer 🗖 Infe	ctions
l. Is the waste subject to controls as a Group 1 wastewater or: 1. If yes, is it a Table 8 or Table 9	residual under ti	•		Yes	W No
m. Does the waste represented by this waste profile sheet co	=	material?		☐ Yes	ĭ No
1. Is disposal regulated by the Nuclear Regulatory Com		· Indicator	☐ Yes	□No	CHILO
2. If NORM, identify isotopes and concentration,		nGi/a	₩ 169	-	
n. Is the waste from a CERCLA (40 CFR 300, Appendix B) or s		-		☐ Yes	₩ No
1. If yes, attach Record of Decision (ROD), 104/106 or 12			site clean-up for		Œ MO
For state mandated clean-up, provide relevant docum		01401 1141 9010111	one orean up to		
o. Is this a State Hazardous Waste?				☐ Yes	M No
1. If yes, please list applicable codes:					
If NY waste codes B001-B007 apply, please comple					
D.DOT Information and Shipping Volume					
I. Quantity of Waste					
a. 🗹 One Time Event 🔲 Base 🔲 Repeat Event					
b. Estimated Annual Quantity: 100	🗹 Tons	🔲 Yards 🚨 Dr	ums 🚨 Other	(specify)	
c. Shipping Frequency: Units: Per: 🚨 N	fonth 🗓 Quar	ter 🗆 Year 🗹 (One Time 🚨 (Other	
2. Shipping Information			•		
a. Packaging:					
☑ Roll off/End dump:	•	Other:			
Drum Type/Size:		🖸 Vaouun	Box		
• •	Tote Bin	Cubic Y	ard Boxes		
b. Is this a U.S. Department of Transportation (USDOT) Haza		If no. skip g, d and e	∍)?	☐ Yes	M No
c. Reportable Quantity (lbs.; kgs.): d.					
e. USDOT Shipping Name:	<u>, </u>		PG:		
E. Generator Certification (Please read and co					
I hereby certify that all information submitted in this and all attached documents			unclasiron Brus	ample enhantited is a	ranta.
sentative as defined in 40 CFR 281 - Appendix 1 or by using an equivalent metho- this certification is made by a broker, the undersigned signs as authorized agent ation provided by the generator and additional information as it has determined mits and licenses for the waste that has been characterized and identified by this known or suspected hazards pertaining to the waste will be disclosed to the contri	d. I authorize WMI to of the generator and to be ressonably nec approved profile. Al ractor. All changes w	oblain a sample from any has confirmed the inform essary. If approved for m I revelant informalion wit hich occur in the characte	r waste shipment for tation contained in th lanagement, Contrac hin the possession of ar of the waste will b	purposes of recertific ils Profile Sheet from i stor has all the necess I the Generator regar e identified by the Ge	allon. If inform- ary per- ding
Certification Signature:	at for Redes	Title:	gent For 18	iles, Fre.	
Company Name: Buchmark Environmental En			Thomas F	Tabes	
Date: March 16, 2012					,



HAZARDOUS WASTE PROFILE ADDENDUM

Profile Number: NY303471

	ation		······································	
1. If this is USEPA hazardous waste (40 CFR Part 26	1), identify ALL USEPA (is	ted and characteris	tic waste code nui	mbers (D, F, K, P, U):
			•	
			,	
		· · · · · · · · · · · · · · · · · · ·		
2. Chemical Composition (List all constituents [concentration and submit representative analysts)	including halogenated o	rganics, debris, an	id UHC's] presen	t in any
Constituents (Total Composition Must be > 100%)	Lower Range	Unit of Measure	Upper Range	Unit of Heasure
7				
8.	İ			
0			_	
9				
10				
11				
10		·	·	
11		·		
10				
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	Service Agreement on file		r NY303	3472		
	Check here if there are multiple generating locations for	this waste. Attach addition locations.				
	Check here if a Certificate of Destruction or Disposal is re Requested Disposal Facility: Model City (Hazardous Waste F					
	Renewal for Profile Number:					
	A. Waste Generator Facility Information (must	xeflect location of waste gene	ration/o	riain)		
1	Generator Name: REALCO (former Al-Tech Specialy Steel					
	Site Address: LUCAS AVE 1000 FT W OF CENTRAL	9 Disease 716,602,2000 V105				
	City/ZIP: Dunkirk, 14048					
1	State: NY					
a.	County: CHAUTAUQUA Contact Name/Title: SEAN REED	10. Gate ID# (francischie)	000000			
۷.						
	B. Customer Information 🗆 same as above	P. O.	Number:			
i.	Customer Name: Titan Wrecking & Environmental, LLC	6. Phone: 716-692-2000 PAD	692-693	2650		,
2.	Billing Address: PO Box 646	7. Transporter Name:			·	
	City, State and ZIP: Tonawanda, NY, 14151					
		9. Transporter Address:				
Б.	Contact Email: sreed@litanwrecking.com	10. City, State and ZIP:				
		USEPA Hazardous State Hazardo			······································	70
1.	Description					
••	a. Name of Waste: K062 sludge (no PCB's)					
	b. Process Generating Waste:	,				
	BUILDING DEMOLITION/pit cleanout			·		
	c. Color: VARIES					
	d. Strong Odor (describe):		-,			
	e. Physical State at 70°F:	as 🗹 Sludge 🗆 Other:				
	f. Layers? 🗹 Single layer 📮 Multi-layer					
	g. Pree Liquid Range (%) 0 to Specific Grav	ity: Viscosity:	BT(J/lb:		<u>-</u>
	h. pH Range; to 🗹 NA (Solid)	•				
	i. Liquid Flash Point: □ < 140°F □ 140°- 199°F	, ,				
2.	Is this a USEPA hazardous waste (40 CFR Part 281)? If the and				☑ Yes	□ No
	a. If yes, identify ALL USEPA listed and characteristic waste K062	code numbers (D,F,K,P,U).	·			<u></u>
	b. If a characteristic hazardous waste, do underlying hazard	lous constituents (UHCs) apply (40 CFR	268.48)?		🔾 Yes	M No
	(if yes, list in Section C.2.j)	_			_	
	c. Is the waste subject to RCRA Subpart CC Controls (40 CF			F***	☐ Yes	M No
	1. If no, does the waste meet the organic LDR Exemption			□ No		
	2. If no, does the waste contain <500 ppm volatile orga	mic (VOC's)?	☐ Yes	O No		
	Volatile organic concentrationppm. d. Is the waste predominately debris subject to the Alternat	a Dahvie Standarde MACER 289 4512	•		☐ Yes	ɗ No
	e. Is the waste predominately soil subject to the Alternate S	•	15		☐ Yes	Ø No
	1. If yes, will Underlying Hazardous Constituents apply	•		□ No	G 105	~ NO
	f. Does the waste represented by this profile contain asbest	•••			🗹 Yes	□ No
	2. If yes:		Friable	ı 🗆 r	lon-Friabl	
	g. Does the waste represented by this profile contain benze	ene?			☐ Yes	☑ No
	1. Is this subject to Benzene Operations Waste NESHAI	P (40 CFR Part 61 Subpart FF)?			🗆 Yes	□ №
	If yes, complete Benzene Waste Operations NESHAI	P (BWON) questionnaire.				



Profile Number NY303472

C.Waste Stream Information (continued)					
h. Is this profile for remediation waste from a facility that is a n 40 CFR 63 subpart GGGGG)?	najor source of F	lazardous Air Pollu	tants (Site Remed	liation NESHAP,	e Mo
1. If yes, does the waste contain <500 ppm VOHAPs at ti	te point of deter	mination?	☐ Yes	ONo O les	(1) 140
i. Does the waste represented by this waste profile sheet con	tain Polychlorine	ited Biphenvis (PC)	Bs)?	□ Yes	M No
(If yes, list in Chemical Composition - C.2.j)		,		00	110
1. If yes, are the PCBs regulated by 40 CFR 761?			▼Yes	□ No	
 If yes, is it remediation waste from a project being p 40 CFR 761.61(a)? 	erformed under	the Self-Implemen	ling option provi	ided in	
3. If yes, were the PCBs imported into the US?				☑ No ☑ No	
j. Chemical Composition (List all constituents [including halog	ninenya hatenar	n dobvie end IIUC	Les Litropove [c]	Langerfretier	
and submit representative analysis): ☐ (See Attached - for Constituents (Total Composition Must be ≥ 100%)	or entering addi	ional constituents)			1
1. Sludge	Lower Range 90	Unit of Measure %	Upper Range	Unit of Measure	•
2. Brick/debris	20	%	50	<u>%</u> %	
3. Lime	1	%	20	%	
4. Sawdust	20	%	30	- 1/6 %]
5			1 3		[
6				· ·	
k. Check any that apply:	o D OSHA Con	oinagan () Charl	· Consistent D O		
l. is the waste subject to controls as a Group 1 wastewater or r	e U Osna Cai	omogen 🔾 Snoci	Coensilive 🖵 O		_
1. If yes, is it a Table 8 or Table 9	esiduai under in	e nazardous Orgai	nc neshap?	☐ Yes	M No
m. Does the waste represented by this waste profile sheet cor	•	and autoutol0			1
1. Is disposal regulated by the Nuclear Regulatory Comm	ilain tagioaciive	material?		☐ Yes	M No
2. If NORM, identify isotopes and concentration,		.au.	Yes	□No	
n le the weste from a CEPCU 5: 40 CEP 200 Km and the man	I	01/g.			,
n. Is the waste from a CERCLA (40 CFR 300, Appendix B) or st	ate mandated ci	ean-up?	1. t .	Yes	M No
 If yes, attach Record of Decision (ROD), 104/108 or 129 For state mandated clean-up, provide relevant docum 	order or court	order mat doverma	site clean-up for	activity.	
o. Is this a State Hazardous Waste?	ontation,			F) ••	Ø No
1. If yes, please list applicable codes:				🗋 Yes	(X) MO
If NY waste codes B001-B007 apply, please complete	a question G.2 a	on nage 1			
D.DOT Information and Shipping Volume	o quostion Otbio	on page 1.			
1. Quantity of Waste		 	· · · · · · · · · · · · · · · · · · ·	*	
a. 🗹 One Time Event 🗋 Base 🔲 Repeat Event					
b. Estimated Annual Quantity: 80	V Tone	☐ Yards ☐ Dri	ıma 🗍 Othau (- Alexandra	
c. Shipping Frequency: Units: Per:	anth D Over	er 🖸 Year 🗹 (spechy)	
2. Shipping Information	onth 🔾 Quate	er – rear er (DRETIME 🛏 O	iner	
a. Packaging:					
Roll off/End dump:		[] Other			
Drum Type/Size:		U Other: _ D Vacuum			
	Tote Bin				
• =			ard Boxes	-1	
b. Is this a U.S. Department of Transportation (USDOT) Hazar c. Reportable Quantity (lbs.; kgs.):	dous Maieriai (ii Drimare /Cubaidi	no, skip c, a and e)? -> (154)	ɗ Yes	□ №
e. USDOT Shipping Name:	crimar à pannera	ary nazaro Otass(6	PG:		
F 6			FG:		
E. Generator Certification (Please read and cer			 		
hereby certify that all information submitted in this and all attached documents of sentative as defined in 40 CFR 281 - Appendix 1 or by using an equivalent method.	Lauttorize WMI to o	biain a sampla from anv	weels chinmant in n	uraneae of vocariitics	Han It
mis certification is litade by a bloker, the filldelsidded stans as affiliolised agent of	i lha canaraior and h	as confirmed the informe	aids ai foonlasmon mois	Draffla Obaat Arena i-	
alion provided by the generator and additional information as it has determined to mits and licenses for the weste that has been characterized and identified by this a	oproved profile. All r	Avalani information with	in the passesian of th	ha Manaratar raward	1
known or suspected hazards pertaining to the waste will be disclosed to the contra and be disclosed to the Contractor prior to providing the waste to the Contractor.	ctor. All changes whi	ch occur in the characte	r of the waste will be i	identified by the Gen	eralor
Certification Signature: The Cult (as 14 of A	- Reales	Title: A	at For Real	es, tre.	
Certification Signature: The Fully Cas Aget A Company Name: Beschnick Environmental Engi	Heering	- Name (Print)	Thomas Fact	, , , , , , , , , , , , , , , , , , , ,	
Date: March 16, 2012			- Ibribes 1 - 1 0		
					,



HAZARDOUS WASTE PROFILE ADDENDUM

Profile Number: NY303472

F. Addendum to Waste Stream Informa	ition		· , · · · · · · · · · · · · · · · · · ·	
1. If this is USEPA hazardous waste (40 CFR Part 261), identify ALL USEPA II	sted and characteris	tic waste code nu	mhore /D E V D III.
•		atou and characters	ILL Maste cone un	mbers (v, r, x, r, v):
Chemical Composition (List all constituents [in concentration and submit representative analys	cluding halogenated o	organics, debris, ar	ıd UHC's] presen	t in any
Constituents (Total Composition Must be > 100%)	Lower Range	Unit of Measure	Upper Range	Unit of Measure
Constituents (Total Composition Must be > 100%) 7.	Lower Range	Unit of Measure	Upper Range	Unit of Measure
Constituents (Total Composition Must be > 100%) 7. 8.	Lower Range	Unit of Measure	Upper Range	Unit of Measure
Constituents (Total Composition Must be > 100%) 7. 8. 9.	Lower Range	Unit of Measure	Upper Range	Unit of Measure
Constituents (Total Composition Must be > 100%) 7. 8. 9. 10.	Lower Range	Unit of Measure	Upper Range	Unit of Measure
Constituents (Total Composition Must be > 100%) 7. 8. 9. 11.	Lower Range	Unit of Measure	Upper Range	Unit of Measure
Constituents (Total Composition Must be > 100%) 7. 8. 9. 11. 12.	Lower Range	Unit of Measure	Upper Range	Unit of Measure
Constituents (Total Composition Must be > 100%) 7. 8. 9. 11.	Lower Range	Unit of Measure	Upper Range	Unit of Measure
Constituents (Total Composition Must be > 100%) 7. 8. 9. 11. 12.	Lower Range	Unit of Measure	Upper Range	Unit of Measure
Constituents (Total Composition Must be > 100%) 7	Lower Range	Unit of Measure	Upper Range	Unit of Measure
Constituents (Total Composition Must be > 100%) 7. 8. 9. 11. 12. 13. 14. 15.	Lower Range	Unit of Measure	Upper Range	Unit of Measure
Constituents (Total Composition Must be > 100%) 7.	Lower Range	Unit of Measure	Upper Range	Unit of Measure
Constituents (Total Composition Must be > 100%) 7	Lower Range	Unit of Measure	Upper Range	Unit of Measure
Constituents (Total Composition Must be > 100%) 7. 8. 9. 110. 111. 122. 133. 144. 155. 166. 177. 188. 199. 100. 100. 111. 112. 113. 114. 115. 115. 116. 117. 118. 119. 119. 119. 119. 119. 119. 119	Lower Range	Unit of Measure	Upper Range	Unit of Measure
Constituents (Total Composition Must be > 100%) 7	Lower Range	Unit of Measure	Upper Range	Unit of Measure
Constituents (Total Composition Must be > 100%) 7. 8. 9. 110. 111. 122. 133. 144. 155. 166. 177. 188. 199. 100. 100. 111. 112. 113. 114. 115. 115. 116. 117. 118. 119. 119. 119. 119. 119. 119. 119	Lower Range	Unit of Measure	Upper Range	Unit of Measure
Constituents (Total Composition Must be > 100%) 7. 8. 9. 110. 111. 122. 133. 144. 155. 166. 177. 188. 199. 100. 100. 111. 112. 113. 114. 115. 115. 116. 117. 118. 119. 119. 119. 119. 119. 119. 119	Lower Range	Unit of Measure	Upper Range	Unit of Measure
Constituents (Total Composition Must be > 100%) 7. 8. 9. 110. 111. 122. 133. 144. 155. 166. 177. 188. 199. 100. 100. 111. 112. 113. 114. 115. 115. 116. 117. 118. 119. 119. 119. 119. 119. 119. 119	Lower Range	Unit of Measure	Upper Range	Unit of Measure
Constituents (Total Composition Must be > 100%) 7. 8. 9. 110. 111. 122. 133. 144. 155. 166. 177. 188. 199. 100. 100. 111. 112. 113. 114. 115. 115. 116. 117. 118. 119. 119. 119. 119. 119. 119. 119	Lower Range	Unit of Measure	Upper Range	Unit of Measure

APPENDIX D

MANIFESTS



(1)00	ioo pii	iit oi iypa. (Fotiii dasiyi			ewitter.)							m Approve	d. OMB No.	2050-0039
1		FORM HAZARDOUS ASTE MANIFEST	1. Generator ID No NYRO	0 0 0 8	6 6 0	. !		ergency Respon		4. Manifest	Tracking	Number 692	98 (GBF
ľ		nerator's Name and Maiin REALCO INC CA	g Address O TITAN WF	RECKING					s (if different	than mailing addre	\$3)	VVC	VU	
		P.O. BOX 646 TONAWANDA N'	Y 14151					LUCAS A	VE 1000	FT W OF C	ENTR	AL		
	Gener	rator's Phone: nsporter 1 Company Name			(716)	510-667	8	DUNKIRK	. 141	U.S. EPA ID	Musekaa			-
		TONAWA nsporter 2 Company Name	ANDA	TA	NK					NY/		976	448	10
	7. Tråi	nsporter 2 Company Name	8							U.S. EPA ID I	Vumber		<u></u>	
	8. Des	signated Facility Name and	Site Address	CEC II C		 				U.S. EPA ID I	vumber	·		
		1660 BALME	R RD.	•	•					ΝΥ	D 0 4	9 8	3 6 6	7 9
	Facilit	MODEL CIT y's Phone:				286- 15	50							
	9a, HM	9b. U.S. DOT Description and Packing Group (if a	on (including Proper ny))	Shipping Name, H	lazard Class, ID I	Number,		10. Conta	iners Type	11. Total Quantity	12, Unit WL/Vol.	13.	. Waste Code)S
<u>چ</u>		1. RQ, HAZARDO		E, SOLID, N	.O.S.,9,NA	3077,		110.	1996	- Godinery	712101	K062	B007	
GENERATOR	X	│ ₩,(K062, PC8: │	S)			NY30	3426	/	CM	15,000	K	1002	1000	
SENE ENE		2.						1		-				
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		3.							 					
		4.			- 	······································	- ***	,						
												ļ		
		ecial Handling instructions 1. NY303426 - K			DCB6	ERG# 1	174	005.0	recd.	92441 ERVICE DA	<u>_</u> 2	Z	- , a	2
		MEIGHT IN SEC						P C B C C	71 OF SI R#	ERVICE DA	!E: <u>-2</u>			
	15. G	ENERATOR'S/OFFEROR	'S CERTIFICATIO	N: I hereby declar	re that the conten	EMENT 1	ment ere fully	and annual hac	section about	a butha aranar ahi	noing nam		650	
	л Е	rarked and labeled/placard exporter. I certify that the co	seo, and are in all re ontents of this consi	espects in proper o lanment conform t	concrion for trans to the terms of the	port according to attached EPA A	o applicable int cknowledomen	emational and nat	tional governn	rental regulations.	if export si	epment and i	am the Prima	ary
	Genera	certify that the waste minin	nization statement ed Name	dentified in 40 CF	R 262.27(a) (if I a	ım a large quant	ity generator) o Signatuse/	r (b) (iii amash	all quantity ge	r.erator) is true.		Mo	nth Day	Year
<u> </u>	16 Inle	Softw Spp. Brational Shipments	K/ L			-	<u> </u>	-21	m				3 6	12
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		esignated Facility Owner or C	perator: Certification of re-	celot of hazardous materials			as noted in Item	18a					
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	5. Ge	nerator's Name and Mailir	l .							nan mailing addre		<u> </u>	UZ.	u D i				
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	8. Designated Facility Name and Site Address CWM CHEMICAL SERVICES, L.L.C.										U.S, EPA ID Number							
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	0. Desi	ignated Facility Owner or Typed Name	Operator: Certification	n of receipt of hazard	ious materiais cov	ered by the manifes Signa		led in item	18a									
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	9, 176	signated Facility Name and Si CWM CHEMIC	AL SERVIC	ES, L.L.C.						U.S. EPA ID	Number			
		1650 BALMER MODEL CITY								NY	ΡO	4 9 8	3 6 6	7 9
	Facilit	y's Phone:	141 14147		(716) 286	- 1550				ł	•			
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	7. Tra	TSNAWANDA TANK insporter 2 Company Name	······	WY0097644801 U.S. EPA 10 Number								
		signated Facility Name and Site Address CWM CHEMICAL SERVICES, L.L.C. 1660 BALMER RD. MODEL CITY NY 14107 Vs Phone: (716) 286-	- 4KBA				U.S. EPAID N	lumber D 0 4	9 6 3	3 6 6	7 9	
	_	ty's Phone: 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number,	. 1990		10. Contain	LAM .	1					
	98. HM	and Packing Group (if any)) 1. RQ, HAZARDOUS WASTE, SOLID, N.O.S.,9,NA3077,	 		No.	Туре	11. Total Quantity	12. Unit Wt./Vol.	13.	Waste Code	8	
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	16.	GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this marked and labeled/placarded, and are in all respects in proper condition for transport accor Exporter, I certify that the contents of this consignment conform to the terms of the attached I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large	consignment a ording to applic d EPA Acknowle	able intern edoment d	ational and nation f Consent.	onal governm	ental regulations.	pping nam if export st	e, and are cla ripment and I	ssified, pack am the Prim	aged, ary	
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	5. Generator's Name an REALCO IN P.O. BOX 6- TONAWANI	46		UNG	· · · · · · · · · · · · · · · · · · ·		nerator's Site Addre	ss (if differen	than making addr	ess)) .	u D
	Generator's Phone: 6. Transporter 1 Compa		101	(716) 510-	6678	DUNKIRI	C NY 14	048		-		
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	7. Transporter 2 Compar	ny Name							U.S. EPA IO	Number	70	<u> </u>	<u> </u>
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	9a. 9b. U.S. DOT De HM and Packing Gro	scription (inclu up (if anyl)	iding Proper Shipping	Name, Hazard C	lass, iD Number,		10. Cont	sinars	11. Total	12. Unit		3. Waste Co	ndee
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20	. Designated Facility Owne inted/Typed Name	er or Operator:	Certification of receip	of hazardous m	aterials covered t		pl as noted in Item	8a					
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	1.	certify that the waste minir	nization statemen	t identified in 40	CFR 262.27(a	a) (if I am a lar) (if I am a sna	l quantity ge	nerator) is true.				
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Ш		1650 BALMER MODEL CITY		·					34 1 0	.	300	, , ,	, ,
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	9a. HM	and Packing Group (if any)		4 ,,	1		No.	Туре	Quantity	Wit./Vol.	13.	Waste Code	s
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Ш	15.	GENERATOR'S/OFFEROR'S	S CERTIFICATION: The	ereby declare that the contents of	this consignmen	t are fully and acc	uralely de	scribed abov	e by the proper shi	oping nam	e, and are da	ssified, pack	aged,
		marked and labeled/placarde	d, and are in all respects	s in proper condition for transport :	according to app	iicable internation	ral and nati	ional governa	nental regulations.	If export si	coment and I	am the Prim	ary
	i	Exporter, I certify that the con I certify that the waste minimi	itents of this consignmen Ization statement identific	nt conform to the terms of the attaced in 40 CFR 262.27(a) (if I am a	arge quantity ge	netator) or (b) (if	i sena. Lam a sma	al quantity ge	nerator) is true.			•	
	Gan	erator's/Offeror's Printed/Type	d Name			gnature	/ /		<u></u>		Mo	nth Day	Year
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la	180	. Signature of Alternate Facility	y (or Generator)					·			M	onth Da	y Year
E		-											
3	10	Hazardous Wasia Renort Man	ragement Method Codes	(i.e., codes for hazardous waste	freatment, dispo-	sal, and recycling	systems)						
DESIGNATED FACILITY	1.	·-····································	2.	•	3.			- · · - · · · · · · · · · · · · · · · ·	4.				
		H132	1									•	
	20	Designated Facility Owner or	Operator: Certification of	receipt of hazardous materials of	vered by the ma	nifest except as r	ncted in ite	m (8a					
		nted/Typed Name	, ^	<u></u>		Monaturo		Λ	<u>, , , , , , , , , , , , , , , , , , , </u>		M	onth Day	/ Year
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		nerator's Name and Mailing Address REALCO INC C/O TIT/ P.O. BOX 646 TONAWANDA NY 1419		(716) 510-		REALCO	INC VE 1000	han mailing addre	sa)		<u> </u>	
	8. Tra	rator's Phone: insporter 1 Company Name		(110)010-	9918			U.S. EPA ID I	Number			
	7. Tra	TOWAWANDA nsporter 2 Company Name	TANK	<u></u>				NYO US EDAIDA		7644	180	/
	2.2					-*			tulion.			
	8. Ue:	signated Facility Name and Site Add CWM CHEMICAL 1550 BALMER RD						U.S. EPAID I	Vumber	9 8	2 6 6	7.0
	Facilit	MODEL CITY NY Ya Phone:	14107	(716) 286-	1550			1	-	, , ,	3 0 0	, ,
ŀ	9a.	9b. U.S. DOT Description (including	ng Proper Shipping Name, Haze			10. Conta	hers	11. Total	12. Unit			
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	15. G	ENERATOR'S/OFFEROR'S CERTI sixed and labeled/blacarded, and a	FICATION: I hereby declare the	at the contents of this o	consignment are fully a	nd accurately de mational and nati	scribed above		pling name		ssified, pac	kaged,
	le	xporter, I certify that the contents of certify that the waste minimization st stors/Offeror's Printed/Typed Name	álement identified in 40 CFR 26	e terms of the attached 32.27(a) (if I am a large	draugh development draugh development	of Consent. (b) (if i am a sma	il quantity ger	eralor) is true.		prioris drid r		ro.i y
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틧	100,700	ansa raciny (or centrator)						U.S. EPA ID Nur	mber			
		s Phone:		•	•			1				
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5	19. Haz	ardous Waste Report Management I	Method Codes (i.e., codes for h	azardous waste treatmy	ent, disposal, and recy	ding systems)		 				
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APPENDIX E

IMPORTED MATERIALS DOCUMENTATION





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: 480-16891-2

Client Project/Site: Dunkirk Speciality Steel

For:

Titan Wrecking and Environmental 153 Wales Avenue Tonawanda, New York 14150

Attn: Sean Reed

Melisso

Authorized for release by: 3/23/2012 3:21:15 PM

Melissa Deyo Project Manager I

melissa.deyo@testamericainc.com

----- LINKS -----

Review your project results through **Total Access**

Have a Question?



Visit us at: 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.

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	6
Surrogate Summary	9
QC Sample Results	11
QC Association Summary	20
Lab Chronicle	23
Certification Summary	24
Method Summary	25
Sample Summary	26
Receipt Checklists	27

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Definitions/Glossary

Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

TestAmerica Job ID: 480-16891-2

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.
*	LCS or LCSD exceeds the control limits

GC Semi VOA

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

Metals

Qualifier	Qualifier Description
В	Compound was found in the blank and sample.
В7	Target analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the blank.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F	MS or MSD exceeds the control limits
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
F	RPD of the MS and MSD exceeds the control limits

Glossary

TEF

TEQ

Toxicity Equivalent Factor (Dioxin)

Toxicity Equivalent Quotient (Dioxin)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points

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Case Narrative

Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

TestAmerica Job ID: 480-16891-2

Job ID: 480-16891-2

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-16891-2

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

No analytical or quality issues were noted.

GC/MS Semi VOA

Method 8270C: The following sample was diluted due to the nature of the sample matrix: 001 (480-16891-1). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC Semi VOA

Method 8081A: The following sample was diluted due to the nature of the sample matrix: 001 (480-16891-1). As such, surrogate recoveries are not representative and elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

Metals

Method 6010B: The method blank for preparation batch 55541 contained Nickel and Zinc above the method detection limits. These target analyte concentrations were less than the reporting limits (RLs); therefore, re-extraction and/or re-analysis of sample was not performed.

Method 6010B: The matrix spike / matrix spike duplicate recoveries and precision in preparation batch 55541 were outside control limits. Non-homogeneity of the sample matrix was suspected. The associated laboratory control sample (LCS) met acceptance criteria; therefore, no corrective action was necessary.

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

Method 3550B: The following sample required a Florisil clean-up, via to reduce matrix interferences prior to analysis by method 8081A: 001 (480-16891-1).

No other analytical or quality issues were noted.

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Detection Summary

Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

TestAmerica Job ID: 480-16891-2

Lab Sample ID: 480-16891-1

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Client Sample ID: 001

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	120	J	1700	44	ug/Kg	10	₩	8270C	Total/NA
Benzo(a)anthracene	470	J	1700	30	ug/Kg	10	₩	8270C	Total/NA
Benzo(a)pyrene	390	J	1700	42	ug/Kg	10	₽	8270C	Total/NA
Benzo(b)fluoranthene	440	J	1700	33	ug/Kg	10	₽	8270C	Total/NA
Benzo(g,h,i)perylene	240	J	1700	21	ug/Kg	10	₽	8270C	Total/NA
Benzo(k)fluoranthene	260	J	1700	19	ug/Kg	10	₽	8270C	Total/NA
Chrysene	510	J	1700	17	ug/Kg	10	₽	8270C	Total/NA
Fluoranthene	1100	J	1700	25	ug/Kg	10	₽	8270C	Total/NA
Indeno(1,2,3-cd)pyrene	230	J	1700	48	ug/Kg	10	₽	8270C	Total/NA
Phenanthrene	620	J	1700	36	ug/Kg	10	₽	8270C	Total/NA
Pyrene	870	J	1700	11	ug/Kg	10	₽	8270C	Total/NA
4,4'-DDT	35	J	86	8.7	ug/Kg	50	₽	8081A	Total/NA
Arsenic	10.6		2.1	0.42	mg/Kg	1	₽	6010B	Total/NA
Barium	120		0.52	0.11	mg/Kg	1	₽	6010B	Total/NA
Beryllium	0.49		0.21	0.029	mg/Kg	1	₽	6010B	Total/NA
Cadmium	0.44		0.21	0.031	mg/Kg	1	₽	6010B	Total/NA
Copper	47.5		1.0	0.22	mg/Kg	1	₽	6010B	Total/NA
Lead	294		1.0	0.25	mg/Kg	1	₽	6010B	Total/NA
Manganese	424	B7 B	0.21	0.033	mg/Kg	1	₩	6010B	Total/NA
Nickel	42.5	В	5.2	0.24	mg/Kg	1	₩	6010B	Total/NA
Selenium	0.80	J	4.2	0.59	mg/Kg	1	₩	6010B	Total/NA
Zinc	155	В	2.1	0.16	mg/Kg	1	₽	6010B	Total/NA
Hg	0.21		0.022	0.0088	mg/Kg	1	₽	7471A	Total/NA
Trivalent Chromium	78.5		2.0	0.75	mg/Kg	1		7196A	Total/NA

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Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

Client Sample ID: 001

1,2-Dichloroethane-d4 (Surr)

4-Bromofluorobenzene (Surr)

Toluene-d8 (Surr)

Fluoranthene

Date Collected: 03/06/12 14:30

Date Received: 03/06/12 16:20

Lab Sample ID: 480-16891-1

Matrix: Solid Percent Solids: 96.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.1	0.37	ug/Kg	\$	03/19/12 11:15	03/19/12 16:01	1
1,1-Dichloroethane	ND		5.1	0.63	ug/Kg	₽	03/19/12 11:15	03/19/12 16:01	1
1,1-Dichloroethene	ND		5.1	0.63	ug/Kg	₽	03/19/12 11:15	03/19/12 16:01	1
1,2,4-Trimethylbenzene	ND		5.1	0.99	ug/Kg	₽	03/19/12 11:15	03/19/12 16:01	1
1,2-Dichlorobenzene	ND		5.1	0.40	ug/Kg	₽	03/19/12 11:15	03/19/12 16:01	1
1,2-Dichloroethane	ND		5.1	0.26	ug/Kg	₽	03/19/12 11:15	03/19/12 16:01	1
1,3,5-Trimethylbenzene	ND		5.1	0.33	ug/Kg	₽	03/19/12 11:15	03/19/12 16:01	1
1,3-Dichlorobenzene	ND		5.1	0.26	ug/Kg	₽	03/19/12 11:15	03/19/12 16:01	1
1,4-Dichlorobenzene	ND		5.1	0.72	ug/Kg	₽	03/19/12 11:15	03/19/12 16:01	1
1,4-Dioxane	ND		210	25	ug/Kg	₽	03/19/12 11:15	03/19/12 16:01	1
Acetone	ND		26	4.3	ug/Kg	₽	03/19/12 11:15	03/19/12 16:01	1
Benzene	ND		5.1	0.25	ug/Kg	₽	03/19/12 11:15	03/19/12 16:01	1
Butylbenzene	ND		5.1	0.45	ug/Kg	₽	03/19/12 11:15	03/19/12 16:01	1
Carbon tetrachloride	ND		5.1	0.50	ug/Kg	₽	03/19/12 11:15	03/19/12 16:01	1
Chlorobenzene	ND		5.1	0.68	ug/Kg	₽	03/19/12 11:15	03/19/12 16:01	1
Chloroform	ND		5.1	0.32	ug/Kg	₽	03/19/12 11:15	03/19/12 16:01	1
cis-1,2-Dichloroethene	ND		5.1	0.66	ug/Kg	₽	03/19/12 11:15	03/19/12 16:01	1
Ethylbenzene	ND		5.1	0.35	ug/Kg	₽	03/19/12 11:15	03/19/12 16:01	1
Isopropylbenzene	ND		5.1	0.78	ug/Kg	₽	03/19/12 11:15	03/19/12 16:01	1
Methyl Ethyl Ketone	ND		26	1.9	ug/Kg	₽	03/19/12 11:15	03/19/12 16:01	1
Methyl tert-butyl ether	ND		5.1	0.50	ug/Kg	₽	03/19/12 11:15	03/19/12 16:01	1
Methylene Chloride	ND		5.1	2.4	ug/Kg	₽	03/19/12 11:15	03/19/12 16:01	1
Propylbenzene, n-	ND		5.1	0.41	ug/Kg	₽	03/19/12 11:15	03/19/12 16:01	1
sec-Butylbenzene	ND		5.1	0.45	ug/Kg	₽	03/19/12 11:15	03/19/12 16:01	1
tert-Butylbenzene	ND		5.1	0.53	ug/Kg	₽	03/19/12 11:15	03/19/12 16:01	1
Tetrachloroethene	ND		5.1	0.69	ug/Kg	₽	03/19/12 11:15	03/19/12 16:01	1
Toluene	ND		5.1	0.39	ug/Kg	₽	03/19/12 11:15	03/19/12 16:01	1
trans-1,2-Dichloroethene	ND		5.1	0.53	ug/Kg	₽	03/19/12 11:15	03/19/12 16:01	1
Trichloroethene	ND		5.1	1.1	ug/Kg	₽	03/19/12 11:15	03/19/12 16:01	1
Vinyl chloride	ND		5.1	0.63	ug/Kg	₽	03/19/12 11:15	03/19/12 16:01	1
Xylenes, Total	ND		10	0.86	ug/Kg	\$	03/19/12 11:15	03/19/12 16:01	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1700	20	ug/Kg	\$	03/16/12 18:09	03/19/12 13:19	10
Acenaphthylene	ND		1700	14	ug/Kg	₽	03/16/12 18:09	03/19/12 13:19	10
Anthracene	120	J	1700	44	ug/Kg	₽	03/16/12 18:09	03/19/12 13:19	10
Benzo(a)anthracene	470	J	1700	30	ug/Kg	₽	03/16/12 18:09	03/19/12 13:19	10
Benzo(a)pyrene	390	J	1700	42	ug/Kg	₽	03/16/12 18:09	03/19/12 13:19	10
Benzo(b)fluoranthene	440	J	1700	33	ug/Kg	₽	03/16/12 18:09	03/19/12 13:19	10
Benzo(g,h,i)perylene	240	J	1700	21	ug/Kg	₽	03/16/12 18:09	03/19/12 13:19	10
Benzo(k)fluoranthene	260	J	1700	19	ug/Kg	₽	03/16/12 18:09	03/19/12 13:19	10
Chrysene	510	J	1700	17	ug/Kg	₽	03/16/12 18:09	03/19/12 13:19	10
Dibenz(a,h)anthracene	ND		1700	20	ug/Kg	\$	03/16/12 18:09	03/19/12 13:19	10
Dibenzofuran	ND		1700	18	ug/Kg	⇔	03/16/12 18:09	03/19/12 13:19	10

Limits

64 - 126

72 - 126

71 - 125

%Recovery Qualifier

112

101

106

1100 J

03/19/12 13:19

1700

25 ug/Kg

Dil Fac

Analyzed

03/19/12 16:01

03/19/12 16:01

03/19/12 16:01

Prepared

03/19/12 11:15

03/19/12 11:15

03/19/12 11:15

© 03/16/12 18:09

Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

Client Sample ID: 001

Lab Sample ID: 480-16891-1

Matrix: Solid

Percent Solids: 96.9

Date Collected: 03/06/12 14:30 Date Received: 03/06/12 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		1700	40	ug/Kg	₩	03/16/12 18:09	03/19/12 13:19	10
Hexachlorobenzene	ND		1700	86	ug/Kg	₽	03/16/12 18:09	03/19/12 13:19	10
Indeno(1,2,3-cd)pyrene	230	J	1700	48	ug/Kg	₽	03/16/12 18:09	03/19/12 13:19	10
m-Cresol	ND	*	3400	96	ug/Kg	₽	03/16/12 18:09	03/19/12 13:19	10
Naphthalene	ND		1700	29	ug/Kg	₽	03/16/12 18:09	03/19/12 13:19	10
o-Cresol	ND		1700	53	ug/Kg	₽	03/16/12 18:09	03/19/12 13:19	10
p-Cresol	ND		3400	96	ug/Kg	₽	03/16/12 18:09	03/19/12 13:19	10
Pentachlorophenol	ND		3400	590	ug/Kg	₽	03/16/12 18:09	03/19/12 13:19	10
Phenanthrene	620	J	1700	36	ug/Kg	₽	03/16/12 18:09	03/19/12 13:19	10
Phenol	ND		1700	180	ug/Kg	\$	03/16/12 18:09	03/19/12 13:19	10
Pyrene	870	J	1700	11	ug/Kg	₽	03/16/12 18:09	03/19/12 13:19	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	75		39 - 146				03/16/12 18:09	03/19/12 13:19	10
2-Fluorobiphenyl	85		37 - 120				03/16/12 18:09	03/19/12 13:19	10
2-Fluorophenol	70		18 - 120				03/16/12 18:09	03/19/12 13:19	10
Nitrobenzene-d5	70		34 - 132				03/16/12 18:09	03/19/12 13:19	10
Phenol-d5	77		11 - 120				03/16/12 18:09	03/19/12 13:19	10
p-Terphenyl-d14	99		65 ₋ 153				03/16/12 18:09	03/19/12 13:19	10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		86	17	ug/Kg	₩	03/19/12 15:02	03/20/12 13:20	50
4,4'-DDE	ND		86	13	ug/Kg	₽	03/19/12 15:02	03/20/12 13:20	50
4,4'-DDT	35	J	86	8.7	ug/Kg	₽	03/19/12 15:02	03/20/12 13:20	50
Aldrin	ND		86	21	ug/Kg	₽	03/19/12 15:02	03/20/12 13:20	50
alpha-BHC	ND		86	15	ug/Kg	₽	03/19/12 15:02	03/20/12 13:20	50
alpha-Chlordane	ND		86	43	ug/Kg	₽	03/19/12 15:02	03/20/12 13:20	50
beta-BHC	ND		86	9.2	ug/Kg	₽	03/19/12 15:02	03/20/12 13:20	50
delta-BHC	ND		86	11	ug/Kg	₽	03/19/12 15:02	03/20/12 13:20	50
Dieldrin	ND		86	21	ug/Kg	₽	03/19/12 15:02	03/20/12 13:20	50
Endosulfan I	ND		86	11	ug/Kg	₽	03/19/12 15:02	03/20/12 13:20	50
Endosulfan II	ND		86	15	ug/Kg	₽	03/19/12 15:02	03/20/12 13:20	50
Endosulfan sulfate	ND		86	16	ug/Kg	₽	03/19/12 15:02	03/20/12 13:20	50
Endrin	ND		86	12	ug/Kg	₽	03/19/12 15:02	03/20/12 13:20	50
Heptachlor	ND		86	13	ug/Kg	₽	03/19/12 15:02	03/20/12 13:20	50
Lindane	ND		86	62	ug/Kg	₩	03/19/12 15:02	03/20/12 13:20	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	X	62 - 137	03/19/12 15:02	03/20/12 13:20	50
Tetrachloro-m-xylene	0	X	30 - 124	03/19/12 15:02	03/20/12 13:20	50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		240	48	ug/Kg	*	03/16/12 17:29	03/18/12 12:43	1
PCB-1221	ND		240	48	ug/Kg	₩	03/16/12 17:29	03/18/12 12:43	1
PCB-1232	ND		240	48	ug/Kg	₩	03/16/12 17:29	03/18/12 12:43	1
PCB-1242	ND		240	48	ug/Kg	₩	03/16/12 17:29	03/18/12 12:43	1
PCB-1248	ND		240	48	ug/Kg	₩	03/16/12 17:29	03/18/12 12:43	1
PCB-1254	ND		240	110	ug/Kg	₩	03/16/12 17:29	03/18/12 12:43	1
PCB-1260	ND		240	110	ug/Kg	φ	03/16/12 17:29	03/18/12 12:43	1

Client Sample Results

Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

TestAmerica Job ID: 480-16891-2

Lab Sample ID: 480-16891-1 Matrix: Solid

Percent Solids: 96.9

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Date Collected: 03/06/12 14:30 Date Received: 03/06/12 16:20

100011001100110110110110110110110110110								1 Croom Con	40. 00.0
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
DCB Decachlorobiphenyl	141		36 - 182				03/16/12 17:29	03/18/12 12:43	
Tetrachloro-m-xylene	123		24 - 172				03/16/12 17:29	03/18/12 12:43	
Method: 8151A - Herbicides (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		17	6.1	ug/Kg	₩	03/19/12 15:05	03/21/12 12:04	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
2,4-Dichlorophenylacetic acid	74		39 - 120				03/19/12 15:05	03/21/12 12:04	
Method: 6010B - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Arsenic	10.6		2.1	0.42	mg/Kg	\	03/16/12 12:30	03/16/12 22:01	
Barium	120		0.52	0.11	mg/Kg	₩	03/16/12 12:30	03/16/12 22:01	
Beryllium	0.49		0.21	0.029	mg/Kg	₩	03/16/12 12:30	03/16/12 22:01	
Cadmium	0.44		0.21	0.031	mg/Kg	₽	03/16/12 12:30	03/16/12 22:01	
Copper	47.5		1.0	0.22	mg/Kg	₩	03/16/12 12:30	03/16/12 22:01	
Lead	294		1.0	0.25	mg/Kg	₩	03/16/12 12:30	03/16/12 22:01	
Manganese	424	B7 B	0.21	0.033	mg/Kg	₽	03/16/12 12:30	03/16/12 22:01	
Nickel	42.5	В	5.2	0.24	mg/Kg	₽	03/16/12 12:30	03/16/12 22:01	
Selenium	0.80	J	4.2	0.59	mg/Kg	₩	03/16/12 12:30	03/16/12 22:01	
Silver	ND		0.52	0.21	mg/Kg	₽	03/16/12 12:30	03/16/12 22:01	
Zinc	155	В	2.1	0.16	mg/Kg	₩	03/16/12 12:30	03/16/12 22:01	,
Method: 7471A - Mercury (CVAA)									
Analyte		Qualifier	RL _		Unit	D	Prepared	Analyzed	Dil Fac
Hg -	0.21		0.022	0.0088	mg/Kg	\	03/19/12 08:45	03/19/12 12:04	•
General Chemistry									
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fa
Hexavalent chromium	ND		2.1	0.79	mg/Kg	₽	03/20/12 08:40	03/20/12 16:05	•
Trivalent Chromium	78.5		2.0		mg/Kg			03/23/12 15:04	•
Cyanide, Total	ND		0.76	0.37	mg/Kg	₩	03/17/12 13:10	03/17/12 15:52	

Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid Prep Type: Total/NA

12DCE BFB TO	TOL
Lab Sample ID Client Sample ID (64-126) (72-126) (71-	(71-125)
480-16891-1 001 112 101 10	106
LCS 480-55784/1-A Lab Control Sample 101 99 10	104
MB 480-55784/2-A Method Blank 96 96 10	106

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

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

Matrix: Solid Prep Type: Total/NA

_		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPH
Lab Sample ID	Client Sample ID	(39-146)	(37-120)	(18-120)	(34-132)	(11-120)	(65-153)
80-16891-1	001	75	85	70	70	77	99
S 480-55636/2-A	Lab Control Sample	115	96	79	87	88	115
SD 480-55636/3-A	Lab Control Sample Dup	112	95	76	85	83	116
1B 480-55636/1-A	Method Blank	99	72	57	60	62	116

Surrogate Legend

TBP = 2,4,6-Tribromophenol

FBP = 2-Fluorobiphenyl

2FP = 2-Fluorophenol

NBZ = Nitrobenzene-d5

PHL = Phenol-d5

TPH = p-Terphenyl-d14

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid Prep Type: Total/NA

		DCB1	TCX1
Lab Sample ID	Client Sample ID	(62-137)	(30-124)
480-16891-1	001	0 X	0 X
LCS 480-55840/2-A	Lab Control Sample	90	64
LCSD 480-55840/3-A	Lab Control Sample Dup	98	66
MB 480-55840/1-A	Method Blank	95	73

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		DCB2	TCX2	
Lab Sample ID	Client Sample ID	(36-182)	(24-172)	
480-16891-1	001	141	123	
LCS 480-55631/2-A	Lab Control Sample	148	165	
LCSD 480-55631/3-A	Lab Control Sample Dup	140	148	

Surrogate Summary

Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

TestAmerica Job ID: 480-16891-2

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		DCB2	TCX2	
Lab Sample ID	Client Sample ID	(36-182)	(24-172)	
MB 480-55631/1-A	Method Blank	127	143	

Method: 8151A - Herbicides (GC)

TCX = Tetrachloro-m-xylene

Matrix: Solid Prep Type: Total/NA

			Percent Surrogate Recovery (Acceptance Limits)
		DCPA1	
Lab Sample ID	Client Sample ID	(39-120)	
480-16891-1	001	74	
LCS 480-55844/2-A	Lab Control Sample	85	
LCSD 480-55844/3-A	Lab Control Sample Dup	84	
MB 480-55844/1-A	Method Blank	76	
Surrogate Legend			
DCPA = 2,4-Dichloroph	enylacetic acid		

5

7

10

4.6

13

Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

Lab Sample ID: MB 480-55784/2-A

Matrix: Solid

Analysis Batch: 55747

Method: 8260B - Volatile Organic Compounds (GC/MS)

MD MD

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 55784

	МВ	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		03/19/12 11:15	03/19/12 13:08	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		03/19/12 11:15	03/19/12 13:08	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		03/19/12 11:15	03/19/12 13:08	1
1,2,4-Trimethylbenzene	ND		5.0	0.96	ug/Kg		03/19/12 11:15	03/19/12 13:08	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		03/19/12 11:15	03/19/12 13:08	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		03/19/12 11:15	03/19/12 13:08	1
1,3,5-Trimethylbenzene	ND		5.0	0.32	ug/Kg		03/19/12 11:15	03/19/12 13:08	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		03/19/12 11:15	03/19/12 13:08	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		03/19/12 11:15	03/19/12 13:08	1
1,4-Dioxane	ND		200	24	ug/Kg		03/19/12 11:15	03/19/12 13:08	1
Acetone	ND		25	4.2	ug/Kg		03/19/12 11:15	03/19/12 13:08	1
Benzene	ND		5.0	0.25	ug/Kg		03/19/12 11:15	03/19/12 13:08	1
Butylbenzene	ND		5.0	0.44	ug/Kg		03/19/12 11:15	03/19/12 13:08	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		03/19/12 11:15	03/19/12 13:08	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		03/19/12 11:15	03/19/12 13:08	1
Chloroform	ND		5.0	0.31	ug/Kg		03/19/12 11:15	03/19/12 13:08	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		03/19/12 11:15	03/19/12 13:08	1
Ethylbenzene	ND		5.0	0.35	ug/Kg		03/19/12 11:15	03/19/12 13:08	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		03/19/12 11:15	03/19/12 13:08	1
Methyl Ethyl Ketone	ND		25	1.8	ug/Kg		03/19/12 11:15	03/19/12 13:08	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		03/19/12 11:15	03/19/12 13:08	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		03/19/12 11:15	03/19/12 13:08	1
Propylbenzene, n-	ND		5.0	0.40	ug/Kg		03/19/12 11:15	03/19/12 13:08	1

MB MB

ND

ND

ND

ND

ND

ND

ND

ND

Surrogate	%Recovery	Qualifier	Limits	Prepar	ed	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		64 - 126	03/19/12	11:15	03/19/12 13:08	1
4-Bromofluorobenzene (Surr)	96		72 - 126	03/19/12	11:15	03/19/12 13:08	1
Toluene-d8 (Surr)	106		71 - 125	03/19/12	11:15	03/19/12 13:08	1

5.0

5.0

5.0

5.0

5.0

5.0

5.0

10

0.44 ug/Kg

0.52 ug/Kg

0.67 ug/Kg

0.38 ug/Kg

0.52 ug/Kg

1.1 ug/Kg

0.61 ug/Kg

0.84 ug/Kg

Lab Sample ID: LCS 480-55784/1-A

Matrix: Solid

sec-Butylbenzene

tert-Butylbenzene

Tetrachloroethene

Trichloroethene

Vinyl chloride

Xylenes, Total

trans-1,2-Dichloroethene

Toluene

Analysis Batch: 55747

Client Sample ID	: Lab Control Sample
	Prep Type: Total/NA
	Drop Botoby 55704

03/19/12 13:08

03/19/12 13:08

03/19/12 13:08

03/19/12 13:08

03/19/12 13:08

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03/19/12 11:15

03/19/12 11:15

03/19/12 11:15

03/19/12 11:15

Prep Batch: 55784

	Spike	LCS	LUS			%Rec.	
Analyte	Added	Result	Qualifier Un	it	D %R	ec Limits	
1,1-Dichloroethane	50.0	45.0	ug	'Kg		90 79 - 126	<u> </u>
1,1-Dichloroethene	50.0	40.2	ug	'Kg	;	80 65 - 153	•
1,2,4-Trimethylbenzene	50.0	46.6	ug	'Kg	,	93 74 - 120	1
1,2-Dichlorobenzene	50.0	46.4	ug	'Kg		93 75 - 120	
1,2-Dichloroethane	50.0	46.5	ug	'Kg	9	93 77 - 122	!
Benzene	50.0	46.2	ug	'Kg	,	92 79 ₋ 127	•
Chlorobenzene	50.0	47.3	ug	'Kg		95 76 - 124	,

Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

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

Lab Sample ID: LCS 480-55784/1-A

Matrix: Solid

Analysis Batch: 55747

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Prep Batch: 55784

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
cis-1,2-Dichloroethene	50.0	44.5	-	ug/Kg		89	81 _ 117	
Ethylbenzene	50.0	47.3		ug/Kg		95	80 - 120	
Methyl tert-butyl ether	50.0	41.3		ug/Kg		83	63 _ 125	
Tetrachloroethene	50.0	48.1		ug/Kg		96	74 - 122	
Toluene	50.0	47.2		ug/Kg		94	74 - 128	
trans-1,2-Dichloroethene	50.0	47.3		ug/Kg		95	78 - 126	
Trichloroethene	50.0	45.8		ug/Kg		92	77 - 129	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		64 - 126
4-Bromofluorobenzene (Surr)	99		72 - 126
Toluene-d8 (Surr)	104		71 - 125

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

Lab Sample ID: MB 480-55636/1-A

Matrix: Solid

Analysis Batch: 55781

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 55636

Analysis Batch: 55761								Prep Battr	1: 55636
	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		170	2.0	ug/Kg		03/16/12 18:09	03/19/12 12:09	1
Acenaphthylene	ND		170	1.4	ug/Kg		03/16/12 18:09	03/19/12 12:09	1
Anthracene	ND		170	4.3	ug/Kg		03/16/12 18:09	03/19/12 12:09	1
Benzo(a)anthracene	ND		170	2.9	ug/Kg		03/16/12 18:09	03/19/12 12:09	1
Benzo(a)pyrene	ND		170	4.1	ug/Kg		03/16/12 18:09	03/19/12 12:09	1
Benzo(b)fluoranthene	ND		170	3.3	ug/Kg		03/16/12 18:09	03/19/12 12:09	1
Benzo(g,h,i)perylene	ND		170	2.0	ug/Kg		03/16/12 18:09	03/19/12 12:09	1
Benzo(k)fluoranthene	ND		170	1.9	ug/Kg		03/16/12 18:09	03/19/12 12:09	1
Chrysene	ND		170	1.7	ug/Kg		03/16/12 18:09	03/19/12 12:09	1
Dibenz(a,h)anthracene	ND		170	2.0	ug/Kg		03/16/12 18:09	03/19/12 12:09	1
Dibenzofuran	ND		170	1.7	ug/Kg		03/16/12 18:09	03/19/12 12:09	1
Fluoranthene	ND		170	2.4	ug/Kg		03/16/12 18:09	03/19/12 12:09	1
Fluorene	ND		170	3.9	ug/Kg		03/16/12 18:09	03/19/12 12:09	1
Hexachlorobenzene	ND		170	8.4	ug/Kg		03/16/12 18:09	03/19/12 12:09	1
Indeno(1,2,3-cd)pyrene	ND		170	4.7	ug/Kg		03/16/12 18:09	03/19/12 12:09	1
m-Cresol	ND		330	9.4	ug/Kg		03/16/12 18:09	03/19/12 12:09	1
Naphthalene	ND		170	2.8	ug/Kg		03/16/12 18:09	03/19/12 12:09	1
o-Cresol	ND		170	5.2	ug/Kg		03/16/12 18:09	03/19/12 12:09	1
p-Cresol	ND		330	9.4	ug/Kg		03/16/12 18:09	03/19/12 12:09	1
Pentachlorophenol	ND		330	58	ug/Kg		03/16/12 18:09	03/19/12 12:09	1
Phenanthrene	ND		170	3.5	ug/Kg		03/16/12 18:09	03/19/12 12:09	1
Phenol	ND		170	18	ug/Kg		03/16/12 18:09	03/19/12 12:09	1
Pyrene	ND		170	1.1	ug/Kg		03/16/12 18:09	03/19/12 12:09	1
	MP	MR							

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	99		39 - 146	03/16/12 18	03/19/12 12:09	1
2-Fluorobiphenyl	72		37 - 120	03/16/12 18	09 03/19/12 12:09	1
2-Fluorophenol	57		18 - 120	03/16/12 18	09 03/19/12 12:09	1
Nitrobenzene-d5	60		34 - 132	03/16/12 18	09 03/19/12 12:09	1

Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

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

MD MD

Lab Sample ID: MB 480-55636/1-A

Matrix: Solid

Analysis Batch: 55781

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 55636

	III D					
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	62		11 - 120	03/16/12 18:09	03/19/12 12:09	1
p-Terphenyl-d14	116		65 - 153	03/16/12 18:09	03/19/12 12:09	1

Lab Sample ID: LCS 480-55636/2-A

Matrix: Solid

Analysis Batch: 55781

Client Sample ID	: Lab Control Sample
	Drop Type, Total/NA

Prep Type: Total/NA Prep Batch: 55636

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Acenaphthene	3300	3380		ug/Kg		102	53 - 120	
Fluorene	3300	3670		ug/Kg		111	63 - 126	
Pentachlorophenol	3300	3560		ug/Kg		108	33 - 136	
Phenol	3300	2950		ug/Kg		89	36 - 120	
Pyrene	3300	3520		ug/Kg		107	51 - 133	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
2,4,6-Tribromophenol	115		39 - 146
2-Fluorobiphenyl	96		37 - 120
2-Fluorophenol	79		18 - 120
Nitrobenzene-d5	87		34 - 132
Phenol-d5	88		11 - 120
p-Terphenyl-d14	115		65 - 153

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 55781

Lab Sample ID: LCSD 480-55636/3-A

Prep Type: Total/NA Prep Batch: 55636

Spike LCSD LCSD %Rec. **RPD** Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Acenaphthene 3290 3320 101 53 _ 120 2 35 ug/Kg Fluorene 3290 3470 ug/Kg 105 63 - 126 6 15 Pentachlorophenol 3290 3450 ug/Kg 105 33 - 136 35 3 3290 2800 36 - 120 Phenol ug/Kg 85 5 35 Pyrene 3290 3510 107 51 - 133 ug/Kg 35

LCSD LCSD Surrogate %Recovery Qualifier Limits 2,4,6-Tribromophenol 112 39 - 146 2-Fluorobiphenyl 95 37 - 120 76 2-Fluorophenol 18 - 120 Nitrobenzene-d5 85 34 - 132 Phenol-d5 83 11 - 120

116

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-55840/1-A

Matrix: Solid

p-Terphenyl-d14

Analysis Batch: 55940

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 55840

-	MB	MB						•	
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.32	ug/Kg		03/19/12 15:02	03/20/12 10:33	1

65 - 153

Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 480-55840/1-A

Matrix: Solid

Analysis Batch: 55940

Client Sample ID: Method Blank **Prep Type: Total/NA**

Prep Batch: 55840

Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	ND ND	1.7	0.25	ug/Kg		03/19/12 15:02	03/20/12 10:33	1
4,4'-DDT	ND	1.7	0.17	ug/Kg		03/19/12 15:02	03/20/12 10:33	1
Aldrin	ND	1.7	0.41	ug/Kg		03/19/12 15:02	03/20/12 10:33	1
alpha-BHC	ND	1.7	0.30	ug/Kg		03/19/12 15:02	03/20/12 10:33	1
alpha-Chlordane	ND	1.7	0.83	ug/Kg		03/19/12 15:02	03/20/12 10:33	1
beta-BHC	ND	1.7	0.18	ug/Kg		03/19/12 15:02	03/20/12 10:33	1
delta-BHC	ND	1.7	0.22	ug/Kg		03/19/12 15:02	03/20/12 10:33	1
Dieldrin	ND	1.7	0.40	ug/Kg		03/19/12 15:02	03/20/12 10:33	1
Endosulfan I	ND	1.7	0.21	ug/Kg		03/19/12 15:02	03/20/12 10:33	1
Endosulfan II	ND	1.7	0.30	ug/Kg		03/19/12 15:02	03/20/12 10:33	1
Endosulfan sulfate	ND	1.7	0.31	ug/Kg		03/19/12 15:02	03/20/12 10:33	1
Endrin	ND	1.7	0.23	ug/Kg		03/19/12 15:02	03/20/12 10:33	1
Heptachlor	ND	1.7	0.26	ug/Kg		03/19/12 15:02	03/20/12 10:33	1
Lindane	ND	1.7	1.2	ug/Kg		03/19/12 15:02	03/20/12 10:33	1

мв мв

MB MB

Surrogate	%Recovery Qua	lifier Limits
DCB Decachlorobiphenyl	95	62 - 137
Tetrachloro-m-xylene	73	30 - 124

Client Sample ID: Lab Control Sample

Analyzed

03/20/12 10:33

03/20/12 10:33

Prepared

03/19/12 15:02

03/19/12 15:02

Prep Batch: 55840

Dil Fac

Lab Sample ID: LCS 480-55840/2-A **Matrix: Solid** Prep Type: Total/NA Analysis Batch: 55940

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
4,4'-DDD	16.5	15.3		ug/Kg		93	45 - 129	
4,4'-DDE	16.5	13.1		ug/Kg		80	49 - 120	
4,4'-DDT	16.5	11.9		ug/Kg		72	47 _ 145	
Aldrin	16.5	11.5		ug/Kg		70	35 - 120	
alpha-BHC	16.5	10.7		ug/Kg		65	49 - 120	
alpha-Chlordane	16.5	7.35		ug/Kg		45	44 - 127	
beta-BHC	16.5	12.2		ug/Kg		74	58 ₋ 123	
delta-BHC	16.5	11.8		ug/Kg		72	45 - 123	
Dieldrin	16.5	13.5		ug/Kg		82	53 - 128	
Endosulfan I	16.5	10.6		ug/Kg		64	29 ₋ 125	
Endosulfan II	16.5	13.9		ug/Kg		84	56 - 127	
Endosulfan sulfate	16.5	14.4		ug/Kg		87	53 - 135	
Endrin	16.5	14.4		ug/Kg		88	58 ₋ 129	
Heptachlor	16.5	12.1		ug/Kg		73	49 - 122	
Lindane	16.5	11.4		ug/Kg		69	50 - 120	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
DCB Decachlorobiphenyl	90	62 - 137
Tetrachloro-m-xvlene	64	30 - 124

Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

Lab Sample ID: LCSD 480-55840/3-A

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Client Sample ID: Lab Control Sample Dup

Prep 1	Гуре: Т	Γotal	/NA
Pre	Batc	h: 55	840

								•	
Analysis Batch: 55940							Prep	Batch:	55840
	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
4,4'-DDD	16.5	13.6		ug/Kg		83	45 - 129	12	18
4,4'-DDE	16.5	13.2		ug/Kg		80	49 - 120	1	16
4,4'-DDT	16.5	12.7		ug/Kg		77	47 - 145	6	17
Aldrin	16.5	11.0		ug/Kg		67	35 - 120	4	24
alpha-BHC	16.5	10.6		ug/Kg		64	49 - 120	2	19
alpha-Chlordane	16.5	8.27		ug/Kg		50	44 - 127	12	13
beta-BHC	16.5	11.6		ug/Kg		71	58 - 123	4	17
delta-BHC	16.5	11.2		ug/Kg		68	45 - 123	5	14
Dieldrin	16.5	13.0		ug/Kg		79	53 - 128	4	13
Endosulfan I	16.5	11.3		ug/Kg		69	29 - 125	7	16
Endosulfan II	16.5	13.1		ug/Kg		79	56 - 127	6	17
Endosulfan sulfate	16.5	15.3		ug/Kg		93	53 - 135	6	14
Endrin	16.5	14.0		ug/Kg		85	58 - 129	3	19
Heptachlor	16.5	11.5		ug/Kg		70	49 - 122	5	16
Lindane	16.5	10.9		ug/Kg		66	50 - 120	5	20

LCSD LCSD %Recovery Qualifier Surrogate Limits 62 - 137 DCB Decachlorobiphenyl 98 Tetrachloro-m-xylene 66 30 - 124

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

Lab Sample ID: MB 480-55631/1-A

Matrix: Solid

Analysis Batch: 55710

Client Sample ID: Method Blank Prep Type: Total/NA

Prep Batch: 55631

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		240	47	ug/Kg		03/16/12 17:29	03/18/12 10:04	1
PCB-1221	ND		240	47	ug/Kg		03/16/12 17:29	03/18/12 10:04	1
PCB-1232	ND		240	47	ug/Kg		03/16/12 17:29	03/18/12 10:04	1
PCB-1242	ND		240	47	ug/Kg		03/16/12 17:29	03/18/12 10:04	1
PCB-1248	ND		240	47	ug/Kg		03/16/12 17:29	03/18/12 10:04	1
PCB-1254	ND		240	110	ug/Kg		03/16/12 17:29	03/18/12 10:04	1
PCB-1260	ND		240	110	ug/Kg		03/16/12 17:29	03/18/12 10:04	1

MB MB Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac DCB Decachlorobiphenyl 127 36 - 182 03/16/12 17:29 03/18/12 10:04 Tetrachloro-m-xylene 24 - 172 03/16/12 17:29 03/18/12 10:04 143

Lab Sample ID: LCS 480-55631/2-A

Matrix: Solid

Analysis Batch: 55710

Client Sample ID: Lab Control Sample Prep Type: Total/NA Prep Batch: 55631

		Spike	LCS	LCS				%Rec.	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
PCB-1016		2340	3190		ug/Kg		136	51 - 185	
PCB-1260		2340	3090		ug/Kg		132	61 - 184	

Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

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

Lab Sample ID: LCS 480-55631/2-A

Lab Sample ID: LCSD 480-55631/3-A

Matrix: Solid

Analysis Batch: 55710

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 55631

LCS LCS

%Recovery Limits Surrogate Qualifier DCB Decachlorobiphenyl 148 36 - 182 Tetrachloro-m-xylene 165 24 - 172

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 55710

Prep Type: Total/NA

Prep Batch: 55631

LCSD LCSD Spike %Rec. RPD Added Qualifier Limits Analyte Result Unit %Rec RPD Limit PCB-1016 2260 2450 108 26 50 ug/Kg 51 - 185 PCB-1260 2260 2750 ug/Kg 122 61 - 184 12 50

LCSD LCSD

Surrogate %Recovery Qualifier Limits DCB Decachlorobiphenyl 140 36 182 148 24 - 172 Tetrachloro-m-xylene

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 480-55844/1-A Client Sample ID: Method Blank

Matrix: Solid

Analysis Batch: 56103

Prep Type: Total/NA

Prep Batch: 55844

мв мв

Qualifier Result

MDL Unit Analyte RL Prepared Analyzed Silvex (2,4,5-TP) ND 16 5.9 ug/Kg 03/19/12 15:05 03/21/12 10:35

MB MB

%Recovery Qualifier I imits Prepared Analyzed Dil Fac Surrogate 2,4-Dichlorophenylacetic acid 76 39 - 120 03/19/12 15:05 03/21/12 10:35

Lab Sample ID: LCS 480-55844/2-A

Matrix: Solid

Analysis Batch: 56103

Client Sample ID: Lab Control Sample Prep Type: Total/NA

ug/Kg

55.3

Prep Batch: 55844 %Rec.

LCS LCS Spike

Analyte Added Result Qualifier Unit D %Rec Limits

65.0

LCS LCS

%Recovery Qualifier Limits Surrogate 2,4-Dichlorophenylacetic acid 39 - 120 85

Lab Sample ID: LCSD 480-55844/3-A

Client Sample ID: Lab Control Sample Dup

85

Matrix: Solid

Silvex (2,4,5-TP)

Analysis Batch: 56103

Prep Type: Total/NA Prep Batch: 55844

56 - 130

LCSD LCSD Spike %Rec. RPD babbA Result Qualifier %Rec Limits Limit Analyte Unit D RPD Silvex (2,4,5-TP) 66.1 54.3 ug/Kg 82 56 - 130 2 50

LCSD LCSD

Surrogate %Recovery Qualifier Limits 2,4-Dichlorophenylacetic acid 39 _ 120 84

Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 55541

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 480-55541/1-A

Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA Analysis Batch: 55742 Prep Batch: 55541

	IVIB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.9	0.37	mg/Kg		03/16/12 12:30	03/16/12 21:15	1
Barium	ND		0.47	0.10	mg/Kg		03/16/12 12:30	03/16/12 21:15	1
Beryllium	ND		0.19	0.026	mg/Kg		03/16/12 12:30	03/16/12 21:15	1
Cadmium	ND		0.19	0.028	mg/Kg		03/16/12 12:30	03/16/12 21:15	1
Copper	ND		0.93	0.20	mg/Kg		03/16/12 12:30	03/16/12 21:15	1
Lead	ND		0.93	0.22	mg/Kg		03/16/12 12:30	03/16/12 21:15	1
Manganese	0.269		0.19	0.030	mg/Kg		03/16/12 12:30	03/16/12 21:15	1
Nickel	0.268	J	4.7	0.21	mg/Kg		03/16/12 12:30	03/16/12 21:15	1
Selenium	ND		3.7	0.53	mg/Kg		03/16/12 12:30	03/16/12 21:15	1
Silver	ND		0.47	0.19	mg/Kg		03/16/12 12:30	03/16/12 21:15	1

Lab Sample ID: MB 480-55541/1-A

Matrix: Solid

Analysis Batch: 55926

мв мв

Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Zinc 0.163 J 1.9 0.14 mg/Kg 03/16/12 12:30 03/19/12 14:37

Lab Sample ID: LCSSRM 480-55541/2-A

Client Sample ID: Lab Control Sample **Matrix: Solid** Prep Type: Total/NA Analysis Batch: 55742 Prep Batch: 55541

	Spike	LCSSRM	LCSSRM				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Arsenic	109	106.8		mg/Kg		98	70 - 134	
Barium	206	190.2		mg/Kg		92	73 - 127	
Beryllium	88.1	81.69		mg/Kg		93	74 - 126	
Cadmium	80.1	80.84		mg/Kg		101	73 _ 127	
Copper	117	110.1		mg/Kg		94	75 - 125	
Lead	76.1	75.07		mg/Kg		99	69 _ 131	
Manganese	349	318.0		mg/Kg		91	75 - 125	
Nickel	71.1	70.30		mg/Kg		99	71 - 129	
Selenium	127	126.7		mg/Kg		100	67 - 134	
Silver	40.9	38.92		mg/Kg		95	66 - 134	

Lab Sample ID: LCSSRM 480-55541/2-A

Analysis Batch: 55926

Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Total/NA Prep Batch: 55541

	Spike	LCSSRM	LCSSRM				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Zinc		271.3		mg/Kg	_	97	71 - 129	

Lab Sample ID: 480-16891-1 MS

Matrix: Solid

Analysis Batch: 55/42									Prep	Batch: 55541
	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Arsenic	10.6		41.9	48.81		mg/Kg	-	91	75 - 125	
Barium	120		41.9	139.6	F	mg/Kg	₩	47	75 - 125	
Beryllium	0.49		41.9	38.99		mg/Kg	≎	92	75 - 125	
Cadmium	0.44		41.9	41.53		mg/Kg	₩	98	75 ₋ 125	

TestAmerica Buffalo 3/23/2012

Client Sample ID: 001

Prep Type: Total/NA

Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 480-16891-1 MS

Matrix: Solid

Analysis Batch: 55742

Client Sample ID: 001 Prep Type: Total/NA

Prep Batch: 55541

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Copper	47.5		41.9	73.45	F	mg/Kg	‡	62	75 - 125	
Lead	294		41.9	215.7	4	mg/Kg	₩	-187	75 _ 125	
Manganese	424	B7 B	41.9	747.5	4	mg/Kg	₽	773	75 _ 125	
Nickel	42.5	В	41.9	67.82	F	mg/Kg	₩	60	75 - 125	
Selenium	0.80	J	41.9	38.95		mg/Kg	₩	91	75 _ 125	
Silver	ND		10.5	10.19		mg/Kg	₽	97	75 - 125	
Zinc	155	В	41.9	168.7	F	mg/Kg	₩	32	75 _ 125	
<u> </u>										

Lab Sample ID: 480-16891-1 MSD

Matrix: Solid

Client Sample ID: 001
Prep Type: Total/NA
Prep Batch: 55541

Analysis Batch: 55742									Prep	Batch:	55541
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Arsenic	10.6		37.9	43.45		mg/Kg	₩	87	75 - 125	12	20
Barium	120		37.9	106.5	F	mg/Kg	₩	-36	75 - 125	27	20
Beryllium	0.49		37.9	34.91		mg/Kg	₩	91	75 - 125	11	20
Cadmium	0.44		37.9	37.00		mg/Kg	₩	96	75 - 125	12	20
Copper	47.5		37.9	63.61	F	mg/Kg	₩	42	75 - 125	14	20
Lead	294		37.9	173.5	4 F	mg/Kg	₩	-318	75 - 125	22	20
Manganese	424	B7 B	37.9	351.2	4 F	mg/Kg	₩	-191	75 - 125	72	20
Nickel	42.5	В	37.9	65.68	F	mg/Kg	₩	61	75 - 125	3	20
Selenium	0.80	J	37.9	35.86		mg/Kg	₩	92	75 - 125	8	20
Silver	ND		9.48	8.98		mg/Kg	₽	95	75 ₋ 125	13	20
Zinc	155	В	37.9	183.0	4	mg/Kg	₽	73	75 ₋ 125	8	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 480-55538/1-A

Matrix: Solid

Analysis Batch: 55804

Client Sample ID: Method Blank	
Prep Type: Total/NA	

Prep Batch: 55538

MB MB Analyte Result Qualifier MDL Unit Prepared Analyzed 0.019 03/19/12 08:45 Hg ND 0.0078 mg/Kg 03/19/12 11:38

ICCODM ICCODM

Lab Sample ID: LCSSRM 480-55538/2-A

Matrix: Solid

Analysis Batch: 55804

Client Sample ID: Lab Co	ntrol Sample
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Prep Type: Total/NA Prep Batch: 55538

% Doc

ı		Spike	LUSSKIVI	LUSSKIVI				70Kec.	
	Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
	Hg	 3.71	3.66		mg/Kg		99	51 - 149	_

Snika

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 460-106381/1-A

Matrix: Solid

Analysis Batch: 106420

Client Sample ID: Method Blank	
Prep Type: Total/NA	

Prep Batch: 106381

	IVID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		2.0	0.75	mg/Kg		03/20/12 08:40	03/20/12 14:32	1

Client: Titan Wrecking and Environmental

Project/Site: Dunkirk Speciality Steel

Hexavalent chromium

Cyanide, Total

85 - 115

29 - 122

Method: 7196A	Chromium,	Hexavalent	(Continued)
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Lab Sample ID: LCSI 460-106381/3-A					Client S	Sample	ID: Lab Control Sample
Matrix: Solid							Prep Type: Total/NA
Analysis Batch: 106420							Prep Batch: 106381
	Spike	LCSI	LCSI				%Rec.
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Hexavalent chromium	708	653.0		mg/Kg		92	80 - 120

<u> </u>				
Lab Sample ID: LCSS 460-106381/2-A			Client Sample II	D: Lab Control Sample
Matrix: Solid				Prep Type: Total/NA
Analysis Batch: 106420				Prep Batch: 106381
-	Spike	LCSS LCSS		%Rec.
Δnalvto	hahhΔ	Result Qualifier Unit	D %Rec	Limits

12.23

37.49

mg/Kg

mg/Kg

13.0

Method: 9012A - Cyanide, Total and/or Amenable

Matrix: Solid						P	rep Type: To	tal/NA
Analysis Batch: 55694							Prep Batch:	55696
MB	MB						-	
Analysis	Ovelifier	DI.	MDI	11	n	Duamanad	A maduuma al	Dil Faa

Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND	0.74	0.36	mg/Kg		03/17/12 13:10	03/17/12 15:51	1

Lab Sample ID: LCS 480-55696/1-A				C	lient S	ample I	D: Lab Control Sample
Matrix: Solid							Prep Type: Total/NA
Analysis Batch: 55694							Prep Batch: 55696
\$	Spike	LCS	LCS				%Rec.
Analyte A	dded	Result	Qualifier	Unit	D	%Rec	Limits

Lab Sample ID: 480-16891-1 MS	Client Sample ID: 001
Matrix: Solid	Prep Type: Total/NA
Analysis Batch: 55694	Pren Batch: 55696

44.0

Analysis Baton, 50004										Datoii.	00000
	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Cyanide, Total	ND		8.53	8.15		mg/Kg	₩	96	85 - 115		

Lab Sample ID: 480-16891-1 DU							Client Sam	ple IE	0: 001
Matrix: Solid							Prep Type: Total/NA		al/NA
Analysis Batch: 55694							Prep Ba	atch:	55696
	Sample	Sample	DU	DU					RPD
Analyte	Result	Qualifier	Result	Qualifier	Unit	D	1	RPD	Limit
Cyanide, Total	ND		ND ND		mg/Kg	₩	 -	NC	15

21-2

Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

TestAmerica Job ID: 480-16891-2

GC/MS VOA

Analysis Batch: 55747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-16891-1	001	Total/NA	Solid	8260B	55784
LCS 480-55784/1-A	Lab Control Sample	Total/NA	Solid	8260B	55784
MB 480-55784/2-A	Method Blank	Total/NA	Solid	8260B	55784

Prep Batch: 55784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-16891-1	001	Total/NA	Solid	5035	
LCS 480-55784/1-A	Lab Control Sample	Total/NA	Solid	5035	
MB 480-55784/2-A	Method Blank	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 55636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-16891-1	001	Total/NA	Solid	3550B	
LCS 480-55636/2-A	Lab Control Sample	Total/NA	Solid	3550B	
LCSD 480-55636/3-A	Lab Control Sample Dup	Total/NA	Solid	3550B	
MB 480-55636/1-A	Method Blank	Total/NA	Solid	3550B	

Analysis Batch: 55781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-16891-1	001	Total/NA	Solid	8270C	55636
LCS 480-55636/2-A	Lab Control Sample	Total/NA	Solid	8270C	55636
LCSD 480-55636/3-A	Lab Control Sample Dup	Total/NA	Solid	8270C	55636
MB 480-55636/1-A	Method Blank	Total/NA	Solid	8270C	55636

GC Semi VOA

Prep Batch: 55631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-16891-1	001	Total/NA	Solid	3550B	
LCS 480-55631/2-A	Lab Control Sample	Total/NA	Solid	3550B	
LCSD 480-55631/3-A	Lab Control Sample Dup	Total/NA	Solid	3550B	
MB 480-55631/1-A	Method Blank	Total/NA	Solid	3550B	

Analysis Batch: 55710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-16891-1	001	Total/NA	Solid	8082	55631
LCS 480-55631/2-A	Lab Control Sample	Total/NA	Solid	8082	55631
LCSD 480-55631/3-A	Lab Control Sample Dup	Total/NA	Solid	8082	55631
MB 480-55631/1-A	Method Blank	Total/NA	Solid	8082	55631

Prep Batch: 55840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-16891-1	001	Total/NA	Solid	3550B	
LCS 480-55840/2-A	Lab Control Sample	Total/NA	Solid	3550B	
LCSD 480-55840/3-A	Lab Control Sample Dup	Total/NA	Solid	3550B	
MB 480-55840/1-A	Method Blank	Total/NA	Solid	3550B	

Prep Batch: 55844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-16891-1	001	Total/NA	Solid	8151A	

TestAmerica Buffalo 3/23/2012

Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

GC Semi VOA (Continued)

Prep Batch: 55844 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-55844/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 480-55844/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	
MB 480-55844/1-A	Method Blank	Total/NA	Solid	8151A	

Analysis Batch: 55940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-16891-1	001	Total/NA	Solid	8081A	55840
LCS 480-55840/2-A	Lab Control Sample	Total/NA	Solid	8081A	55840
LCSD 480-55840/3-A	Lab Control Sample Dup	Total/NA	Solid	8081A	55840
MB 480-55840/1-A	Method Blank	Total/NA	Solid	8081A	55840

Analysis Batch: 56103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-16891-1	001	Total/NA	Solid	8151A	55844
LCS 480-55844/2-A	Lab Control Sample	Total/NA	Solid	8151A	55844
LCSD 480-55844/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	55844
MB 480-55844/1-A	Method Blank	Total/NA	Solid	8151A	55844

Metals

Prep Batch: 55538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-16891-1	001	Total/NA	Solid	7471A	
LCSSRM 480-55538/2-A	Lab Control Sample	Total/NA	Solid	7471A	
MB 480-55538/1-A	Method Blank	Total/NA	Solid	7471A	

Prep Batch: 55541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-16891-1	001	Total/NA	Solid	3050B	
480-16891-1 MS	001	Total/NA	Solid	3050B	
480-16891-1 MSD	001	Total/NA	Solid	3050B	
LCSSRM 480-55541/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 480-55541/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 55742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-16891-1	001	Total/NA	Solid	6010B	55541
480-16891-1 MS	001	Total/NA	Solid	6010B	55541
480-16891-1 MSD	001	Total/NA	Solid	6010B	55541
LCSSRM 480-55541/2-A	Lab Control Sample	Total/NA	Solid	6010B	55541
MB 480-55541/1-A	Method Blank	Total/NA	Solid	6010B	55541

Analysis Batch: 55804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-16891-1	001	Total/NA	Solid	7471A	55538
LCSSRM 480-55538/2-A	Lab Control Sample	Total/NA	Solid	7471A	55538
MB 480-55538/1-A	Method Blank	Total/NA	Solid	7471A	55538

Analysis Batch: 55926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSSRM 480-55541/2-A	Lab Control Sample	Total/NA	Solid	6010B	55541
MB 480-55541/1-A	Method Blank	Total/NA	Solid	6010B	55541

TestAmerica Buffalo 3/23/2012

QC Association Summary

Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

TestAmerica Job ID: 480-16891-2

General Chemistry

Analysis Batch: 55694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-16891-1	001	Total/NA	Solid	9012A	55696
480-16891-1 DU	001	Total/NA	Solid	9012A	55696
480-16891-1 MS	001	Total/NA	Solid	9012A	55696
LCS 480-55696/1-A	Lab Control Sample	Total/NA	Solid	9012A	55696
MB 480-55696/2-A	Method Blank	Total/NA	Solid	9012A	55696

Prep Batch: 55696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-16891-1	001	Total/NA	Solid	9012A	
480-16891-1 DU	001	Total/NA	Solid	9012A	
480-16891-1 MS	001	Total/NA	Solid	9012A	
LCS 480-55696/1-A	Lab Control Sample	Total/NA	Solid	9012A	
MB 480-55696/2-A	Method Blank	Total/NA	Solid	9012A	

Prep Batch: 106381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep	Batch
480-16891-1	001	Total/NA	Solid	3060A	
LCSI 460-106381/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSS 460-106381/2-A	Lab Control Sample	Total/NA	Solid	3060A	
MB 460-106381/1-A	Method Blank	Total/NA	Solid	3060A	

Analysis Batch: 106420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-16891-1	001	Total/NA	Solid	7196A	106381
LCSI 460-106381/3-A	Lab Control Sample	Total/NA	Solid	7196A	106381
LCSS 460-106381/2-A	Lab Control Sample	Total/NA	Solid	7196A	106381
MB 460-106381/1-A	Method Blank	Total/NA	Solid	7196A	106381

Analysis Batch: 106866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-16891-1	001	Total/NA	Solid	7196A	

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Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

Client Sample ID: 001

Date Collected: 03/06/12 14:30

Date Received: 03/06/12 16:20

Lab Sample ID: 480-16891-1

Matrix: Solid
Percent Solids: 96.9

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			55784	03/19/12 11:15	JMB	TAL BUF
Total/NA	Analysis	8260B		1	55747	03/19/12 16:01	JMB	TAL BUF
Total/NA	Prep	3550B			55636	03/16/12 18:09	KB	TAL BUF
Total/NA	Analysis	8270C		10	55781	03/19/12 13:19	RMM	TAL BUF
Total/NA	Prep	3550B			55631	03/16/12 17:29	KB	TAL BUF
Total/NA	Analysis	8082		1	55710	03/18/12 12:43	JM	TAL BUF
Total/NA	Prep	3550B			55840	03/19/12 15:02	DE	TAL BUF
Total/NA	Analysis	8081A		50	55940	03/20/12 13:20	LW	TAL BUF
Total/NA	Prep	8151A			55844	03/19/12 15:05	DE	TAL BUF
Total/NA	Analysis	8151A		1	56103	03/21/12 12:04	MN	TAL BUF
Total/NA	Prep	3050B			55541	03/16/12 12:30	SS	TAL BUF
Total/NA	Analysis	6010B		1	55742	03/16/12 22:01	LH	TAL BUF
Total/NA	Prep	7471A			55538	03/19/12 08:45	JM	TAL BUF
Total/NA	Analysis	7471A		1	55804	03/19/12 12:04	JM	TAL BUF
Total/NA	Prep	3060A			106381	03/20/12 08:40	RK	TAL EDI
Total/NA	Analysis	7196A		1	106420	03/20/12 16:05	RK	TAL EDI
Total/NA	Analysis	7196A		1	106866	03/23/12 15:04	JP	TAL EDI
Total/NA	Prep	9012A			55696	03/17/12 13:10	JR	TAL BUF
Total/NA	Analysis	9012A		1	55694	03/17/12 15:52	JR	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600
TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

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Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

aboratory	Authority	Program	EPA Region	Certification ID
estAmerica Buffalo	Arkansas DEQ	State Program	6	88-0686
estAmerica Buffalo	California	NELAC	9	1169CA
estAmerica Buffalo	Connecticut	State Program	1	PH-0568
estAmerica Buffalo	Florida	NELAC	4	E87672
estAmerica Buffalo	Georgia	State Program	4	956
estAmerica Buffalo	Georgia	State Program	4	N/A
estAmerica Buffalo	Illinois	NELAC	5	100325 / 200003
estAmerica Buffalo	Iowa	State Program	7	374
estAmerica Buffalo	Kansas	NELAC	7	E-10187
estAmerica Buffalo	Kentucky	State Program	4	90029
estAmerica Buffalo	Kentucky (UST)	State Program	4	30
estAmerica Buffalo	Louisiana	NELAC	6	02031
estAmerica Buffalo	Maine	State Program	1	NY0044
estAmerica Buffalo	Maryland	State Program	3	294
estAmerica Buffalo	Massachusetts	State Program	1	M-NY044
estAmerica Buffalo	Michigan	State Program	5	9937
estAmerica Buffalo	Minnesota	NELAC	5	036-999-337
estAmerica Buffalo	New Hampshire	NELAC	1	2337
estAmerica Buffalo	New Hampshire	NELAC	1	68-00281
estAmerica Buffalo	New Jersey	NELAC	2	NY455
estAmerica Buffalo	New York	NELAC	2	10026
estAmerica Buffalo	North Dakota	State Program	8	R-176
estAmerica Buffalo	Oklahoma	State Program	6	9421
estAmerica Buffalo	Oregon	NELAC	10	NY200003
estAmerica Buffalo	Pennsylvania	NELAC	3	68-00281
estAmerica Buffalo	Tennessee	State Program	4	TN02970
estAmerica Buffalo	Texas	NELAC	6	T104704412-08-TX
estAmerica Buffalo	USDA	Federal		P330-08-00242
estAmerica Buffalo	Virginia	NELAC Secondary AB	3	460185
estAmerica Buffalo	Virginia	State Program	3	278
estAmerica Buffalo	Washington	State Program	10	C1677
estAmerica Buffalo	West Virginia DEP	State Program	3	252
estAmerica Buffalo	Wisconsin	State Program	5	998310390
estAmerica Edison	Connecticut	State Program	1	PH-0200
estAmerica Edison	DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	N/A
estAmerica Edison	New Jersey	NELAC	2	12028
estAmerica Edison	New York	NELAC	2	11452
estAmerica Edison	Pennsylvania	NELAC	3	68-00522
estAmerica Edison	Rhode Island	State Program	1	LAO00132
estAmerica Edison	USDA	Federal		NJCA-003-08

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

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Method Summary

Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

TestAmerica Job ID: 480-16891-2

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL BUF
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081A	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
8151A	Herbicides (GC)	SW846	TAL BUF
6010B	Metals (ICP)	SW846	TAL BUF
7471A	Mercury (CVAA)	SW846	TAL BUF
7196A	Chromium, Hexavalent	SW846	TAL EDI
7196A	Chromium, Trivalent (Colorimetric)	SW846	TAL EDI
9012A	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
TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

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Sample Summary

Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

TestAmerica Job ID: 480-16891-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-16891-1	001	Solid	03/06/12 14:30	03/06/12 16:20

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Login Sample Receipt Checklist

Client: Titan Wrecking and Environmental Job Number: 480-16891-2

Login Number: 16891 List Source: TestAmerica Buffalo

List Number: 1

Creator: Robitaille, Zach L

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.
The cooler or samples do not appear to have been compromised or tampered with.
Samples were received on ice.
Cooler Temperature is acceptable. True
Cooler Temperature is recorded. True 17.6 #2 no ice
COC is present. True
COC is filled out in ink and legible.
COC is filled out with all pertinent information.
s the Field Sampler's name present on COC?
There are no discrepancies between the sample IDs on the containers and True he COC.
Samples are received within Holding Time.
Sample containers have legible labels. True
Containers are not broken or leaking.
Sample collection date/times are provided. True
Appropriate sample containers are used. True
Sample bottles are completely filled. True
Sample Preservation Verified True
here is sufficient vol. for all requested analyses, incl. any requested True True
/OA sample vials do not have headspace or bubble is <6mm (1/4") in True liameter.
f necessary, staff have been informed of any short hold time or quick TAT True needs
Multiphasic samples are not present. True
Samples do not require splitting or compositing.
Sampling Company provided. True dunkirk specialty steel
Samples received within 48 hours of sampling.
Samples requiring field filtration have been filtered in the field. N/A
Chlorine Residual checked. N/A

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Login Sample Receipt Checklist

Client: Titan Wrecking and Environmental Job Number: 480-16891-2

Login Number: 16891
List Source: TestAmerica Edison
List Number: 1
List Creation: 03/19/12 10:53 AM

Creator: Villadarez, Gerson Timothy S

Creator. Villadarez, Gerson Timothy 3		
Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	792505
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 IR#50
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?	False	
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	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Page 28 of 28

3/23/2012



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: 480-17991-1

Client Project/Site: Dunkirk Speciality Steel

For:

Titan Wrecking and Environmental 153 Wales Avenue Tonawanda, New York 14150

Attn: Sean Reed

Melisso Deyo

Authorized for release by: 4/12/2012 2:18:15 PM

Melissa Deyo Project Manager I

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.

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	6
Surrogate Summary	9
QC Sample Results	11
QC Association Summary	19
Lab Chronicle	22
Certification Summary	23
Method Summary	24
Sample Summary	25
Chain of Custody	26
Receipt Checklists	27

5

6

8

10

11

13

14

Definitions/Glossary

Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

TestAmerica Job ID: 480-17991-1

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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 exceeds the control limits	

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.	
F	RPD of the MS and MSD exceeds the control limits	
Metals		

Qualifier	Qualifier Description
В	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.

Glossary

RPD

TEF

TEQ

Abbreviation	These commonly used abbreviations may or may not be present in this report.
\$	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit

Relative Percent Difference, a measure of the relative difference between two points

Toxicity Equivalent Factor (Dioxin)

Toxicity Equivalent Quotient (Dioxin)

TestAmerica Buffalo 4/12/2012

Case Narrative

Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

TestAmerica Job ID: 480-17991-1

Job ID: 480-17991-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-17991-1

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

No analytical or quality issues were noted.

GC/MS Semi VOA

No analytical or quality issues were noted.

GC Semi VOA

Method 8081A: The following samples were diluted due to the nature of the sample matrix: SAMPLE 2 DSS (480-17991-1), (480-17991-1 MS) and (480-17991-1 MSD). Elevated reporting limits (RLs) are provided.

Method 8081A: The matrix spike / matrix spike duplicate (MS/MSD) precision for batch 58426 was outside control limits.

No other analytical or quality issues were noted.

Metals

Method 6010B: The method blank for preparation batch 58048 contained Manganese above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of sample was not performed.

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

Method 3550B: The following samples required a Florisil clean-up, via method 3620C, to reduce matrix interferences prior to analysis by method 8081A: SAMPLE 2 DSS (480-17991-1), (480-17991-1 MS) and (480-17991-1 MSD).

No other analytical or quality issues were noted.

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Detection Summary

Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

TestAmerica Job ID: 480-17991-1

Client Sample ID: SAMPLE 2 DSS

Lab Sample ID: 480-17991-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D I	Method	Prep Type
Anthracene	27	J	200	5.1	ug/Kg	1	#	8270C	Total/NA
Benzo(a)anthracene	120	J	200	3.5	ug/Kg	1	₩ (8270C	Total/NA
Benzo(a)pyrene	140	J	200	4.8	ug/Kg	1	₽ (8270C	Total/NA
Benzo(b)fluoranthene	150	J	200	3.9	ug/Kg	1	₽ (8270C	Total/NA
Benzo(g,h,i)perylene	98	J	200	2.4	ug/Kg	1	₽ (8270C	Total/NA
Benzo(k)fluoranthene	90	J	200	2.2	ug/Kg	1	₽ (8270C	Total/NA
Chrysene	190	J	200	2.0	ug/Kg	1	₽ (8270C	Total/NA
Fluoranthene	250		200	2.9	ug/Kg	1	₽ (8270C	Total/NA
Indeno(1,2,3-cd)pyrene	77	J	200	5.6	ug/Kg	1	₽ (8270C	Total/NA
Phenanthrene	130	J	200	4.2	ug/Kg	1	₽ (8270C	Total/NA
Pyrene	230		200	1.3	ug/Kg	1	₽ (8270C	Total/NA
4,4'-DDT	4.0	J	9.8	1.0	ug/Kg	5	₽ (8081A	Total/NA
Arsenic	14.5		2.2	0.44	mg/Kg	1	₽ (6010B	Total/NA
Barium	93.0		0.55	0.12	mg/Kg	1	₽ (6010B	Total/NA
Beryllium	0.62		0.22	0.031	mg/Kg	1	₩ (6010B	Total/NA
Cadmium	0.23		0.22	0.033	mg/Kg	1	₽ (6010B	Total/NA
Copper	31.3		1.1	0.23	mg/Kg	1	₩ (6010B	Total/NA
Lead	113		1.1	0.27	mg/Kg	1	₩ (6010B	Total/NA
Manganese	363	В	0.22	0.035	mg/Kg	1	₽ (6010B	Total/NA
Nickel	27.2		5.5	0.25	mg/Kg	1	₽ (6010B	Total/NA
Zinc	91.3		2.2	0.17	mg/Kg	1	₽ (6010B	Total/NA
Hg	0.14		0.025	0.010	mg/Kg	1	*	7471A	Total/NA
Trivalent Chromium	18.3		2.0	0.75	mg/Kg	1		7196A	Total/NA

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Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

Lab Sample ID: 480-17991-1

Matrix: Solid

Percent Solids: 83.8

Client Sample ID: SAMPLE 2 DSS

Date Collected: 04/02/12 11:00 Date Received: 04/03/12 12:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.8	0.42	ug/Kg	₩	04/04/12 10:42	04/04/12 12:12	1
1,1-Dichloroethane	ND		5.8	0.71	ug/Kg	₽	04/04/12 10:42	04/04/12 12:12	1
1,1-Dichloroethene	ND		5.8	0.71	ug/Kg	₽	04/04/12 10:42	04/04/12 12:12	1
1,2,4-Trimethylbenzene	ND		5.8	1.1	ug/Kg	₽	04/04/12 10:42	04/04/12 12:12	1
1,2-Dichlorobenzene	ND		5.8	0.46	ug/Kg	₽	04/04/12 10:42	04/04/12 12:12	1
1,2-Dichloroethane	ND		5.8	0.29	ug/Kg	₽	04/04/12 10:42	04/04/12 12:12	1
1,3,5-Trimethylbenzene	ND		5.8	0.38	ug/Kg	₽	04/04/12 10:42	04/04/12 12:12	1
1,3-Dichlorobenzene	ND		5.8	0.30	ug/Kg	₽	04/04/12 10:42	04/04/12 12:12	1
1,4-Dichlorobenzene	ND		5.8	0.82	ug/Kg	₽	04/04/12 10:42	04/04/12 12:12	1
1,4-Dioxane	ND		230	28	ug/Kg	₽	04/04/12 10:42	04/04/12 12:12	1
Acetone	ND		29	4.9	ug/Kg	₽	04/04/12 10:42	04/04/12 12:12	1
Benzene	ND		5.8	0.29	ug/Kg	☼	04/04/12 10:42	04/04/12 12:12	1
Carbon tetrachloride	ND		5.8	0.57	ug/Kg	₽	04/04/12 10:42	04/04/12 12:12	1
Chlorobenzene	ND		5.8	0.77	ug/Kg	₽	04/04/12 10:42	04/04/12 12:12	1
Chloroform	ND		5.8	0.36	ug/Kg	₽	04/04/12 10:42	04/04/12 12:12	1
cis-1,2-Dichloroethene	ND		5.8	0.75	ug/Kg	₽	04/04/12 10:42	04/04/12 12:12	1
Ethylbenzene	ND		5.8	0.40	ug/Kg	₽	04/04/12 10:42	04/04/12 12:12	1
Isopropylbenzene	ND		5.8	0.88	ug/Kg	₽	04/04/12 10:42	04/04/12 12:12	1
Methyl Ethyl Ketone	ND		29	2.1	ug/Kg	₽	04/04/12 10:42	04/04/12 12:12	1
Methyl tert-butyl ether	ND		5.8	0.57	ug/Kg	☼	04/04/12 10:42	04/04/12 12:12	1
Methylene Chloride	ND		5.8	2.7	ug/Kg	₽	04/04/12 10:42	04/04/12 12:12	1
Butylbenzene	ND		5.8	0.51	ug/Kg	₽	04/04/12 10:42	04/04/12 12:12	1
Propylbenzene, n-	ND		5.8	0.47	ug/Kg	₽	04/04/12 10:42	04/04/12 12:12	1
sec-Butylbenzene	ND		5.8	0.51	ug/Kg	₽	04/04/12 10:42	04/04/12 12:12	1
tert-Butylbenzene	ND		5.8	0.61	ug/Kg	₽	04/04/12 10:42	04/04/12 12:12	
Tetrachloroethene	ND		5.8	0.78	ug/Kg	≎	04/04/12 10:42	04/04/12 12:12	1
Toluene	ND		5.8	0.44	ug/Kg	≎	04/04/12 10:42	04/04/12 12:12	1
trans-1,2-Dichloroethene	ND		5.8	0.60	ug/Kg	₽	04/04/12 10:42	04/04/12 12:12	1
Trichloroethene	ND		5.8	1.3	ug/Kg	₽	04/04/12 10:42	04/04/12 12:12	1
Vinyl chloride	ND		5.8	0.71	ug/Kg	≎	04/04/12 10:42	04/04/12 12:12	1
Xylenes, Total	ND		12	0.98	ug/Kg	₽	04/04/12 10:42	04/04/12 12:12	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		64 - 126				04/04/12 10:42	04/04/12 12:12	1
Toluene-d8 (Surr)	100		71 - 125				04/04/12 10:42	04/04/12 12:12	1

105

4-Bromofluorobenzene (Surr)

motriou. 02700 Commonatio	gaine compou	mas (Some)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		200	2.4	ug/Kg	*	04/05/12 10:44	04/06/12 23:50	1
Acenaphthylene	ND		200	1.6	ug/Kg	₽	04/05/12 10:44	04/06/12 23:50	1
Anthracene	27	J	200	5.1	ug/Kg	₽	04/05/12 10:44	04/06/12 23:50	1
Benzo(a)anthracene	120	J	200	3.5	ug/Kg	₽	04/05/12 10:44	04/06/12 23:50	1
Benzo(a)pyrene	140	J	200	4.8	ug/Kg	₽	04/05/12 10:44	04/06/12 23:50	1
Benzo(b)fluoranthene	150	J	200	3.9	ug/Kg	₽	04/05/12 10:44	04/06/12 23:50	1
Benzo(g,h,i)perylene	98	J	200	2.4	ug/Kg	₽	04/05/12 10:44	04/06/12 23:50	1
Benzo(k)fluoranthene	90	J	200	2.2	ug/Kg	₽	04/05/12 10:44	04/06/12 23:50	1
Chrysene	190	J	200	2.0	ug/Kg	₽	04/05/12 10:44	04/06/12 23:50	1
Dibenz(a,h)anthracene	ND		200	2.4	ug/Kg	₽	04/05/12 10:44	04/06/12 23:50	1
Dibenzofuran	ND		200	2.1	ug/Kg	₽	04/05/12 10:44	04/06/12 23:50	1
Fluoranthene	250		200	2.9	ug/Kg	₽	04/05/12 10:44	04/06/12 23:50	1

72 - 126

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13

14

Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

Client Sample ID: SAMPLE 2 DSS

Date Collected: 04/02/12 11:00 Date Received: 04/03/12 12:20

Tetrachloro-m-xylene

Lab Sample ID: 480-17991-1

Matrix: Solid

Percent Solids: 83.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		200	4.6	ug/Kg	\$	04/05/12 10:44	04/06/12 23:50	1
Hexachlorobenzene	ND		200	10	ug/Kg	₽	04/05/12 10:44	04/06/12 23:50	1
Indeno(1,2,3-cd)pyrene	77	J	200	5.6	ug/Kg	₽	04/05/12 10:44	04/06/12 23:50	1
m-Cresol	ND	*	390	11	ug/Kg	₽	04/05/12 10:44	04/06/12 23:50	1
Naphthalene	ND		200	3.3	ug/Kg	₽	04/05/12 10:44	04/06/12 23:50	1
o-Cresol	ND		200	6.2	ug/Kg	₽	04/05/12 10:44	04/06/12 23:50	1
p-Cresol	ND		390	11	ug/Kg	₽	04/05/12 10:44	04/06/12 23:50	1
Pentachlorophenol	ND		390	69	ug/Kg	₽	04/05/12 10:44	04/06/12 23:50	1
Phenanthrene	130	J	200	4.2	ug/Kg	₽	04/05/12 10:44	04/06/12 23:50	1
Phenol	ND		200	21	ug/Kg	₽	04/05/12 10:44	04/06/12 23:50	1
Pyrene	230		200	1.3	ug/Kg	₽	04/05/12 10:44	04/06/12 23:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	96		39 - 146				04/05/12 10:44	04/06/12 23:50	1
2-Fluorobiphenyl	72		37 - 120				04/05/12 10:44	04/06/12 23:50	1
2-Fluorophenol	61		18 - 120				04/05/12 10:44	04/06/12 23:50	1
Nitrobenzene-d5	76		34 - 132				04/05/12 10:44	04/06/12 23:50	1
Phenol-d5	66		11 - 120				04/05/12 10:44	04/06/12 23:50	1
p-Terphenyl-d14	109		65 - 153				04/05/12 10:44	04/06/12 23:50	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		9.8	1.9	ug/Kg	₽	04/06/12 07:52	04/09/12 16:27	5
4,4'-DDE	ND		9.8	1.5	ug/Kg	₽	04/06/12 07:52	04/09/12 16:27	5
4,4'-DDT	4.0	J	9.8	1.0	ug/Kg	₽	04/06/12 07:52	04/09/12 16:27	5
Aldrin	ND		9.8	2.4	ug/Kg	₽	04/06/12 07:52	04/09/12 16:27	5
alpha-BHC	ND		9.8	1.8	ug/Kg	₽	04/06/12 07:52	04/09/12 16:27	5
alpha-Chlordane	ND		9.8	4.9	ug/Kg	₽	04/06/12 07:52	04/09/12 16:27	5
beta-BHC	ND		9.8	1.1	ug/Kg	₽	04/06/12 07:52	04/09/12 16:27	5
delta-BHC	ND		9.8	1.3	ug/Kg	₽	04/06/12 07:52	04/09/12 16:27	5
Dieldrin	ND		9.8	2.4	ug/Kg	₽	04/06/12 07:52	04/09/12 16:27	5
Endosulfan I	ND		9.8	1.2	ug/Kg	\$	04/06/12 07:52	04/09/12 16:27	5
Endosulfan II	ND		9.8	1.8	ug/Kg	₽	04/06/12 07:52	04/09/12 16:27	5
Endosulfan sulfate	ND		9.8	1.8	ug/Kg	₽	04/06/12 07:52	04/09/12 16:27	5
Endrin	ND		9.8	1.4	ug/Kg	\$	04/06/12 07:52	04/09/12 16:27	5
Heptachlor	ND		9.8	1.5	ug/Kg	₽	04/06/12 07:52	04/09/12 16:27	5
Lindane	ND		9.8	7.1	ug/Kg	₽	04/06/12 07:52	04/09/12 16:27	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	90		62 - 137				04/06/12 07:52	04/09/12 16:27	5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		250	49	ug/Kg	\$	04/05/12 09:40	04/05/12 18:41	1
PCB-1221	ND		250	49	ug/Kg	₽	04/05/12 09:40	04/05/12 18:41	1
PCB-1232	ND		250	49	ug/Kg	₽	04/05/12 09:40	04/05/12 18:41	1
PCB-1242	ND		250	54	ug/Kg	₽	04/05/12 09:40	04/05/12 18:41	1
PCB-1248	ND		250	49	ug/Kg	₽	04/05/12 09:40	04/05/12 18:41	1
PCB-1254	ND		250	53	ug/Kg	☼	04/05/12 09:40	04/05/12 18:41	1
PCB-1260	ND		250	120	ug/Kg	₽	04/05/12 09:40	04/05/12 18:41	1

30 - 124

68

04/09/12 16:27

04/06/12 07:52

Client Sample Results

Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

TestAmerica Job ID: 480-17991-1

Client Sample ID: SAMPLE 2 DSS

Date Collected: 04/02/12 11:00 Date Received: 04/03/12 12:20

Cyanide, Total

Lab Sample ID: 480-17991-1

Matrix: Solid
Percent Solids: 83.8

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	109		36 - 182				04/05/12 09:40	04/05/12 18:41	1
Tetrachloro-m-xylene	118		24 - 172				04/05/12 09:40	04/05/12 18:41	1
Method: 8151A - Herbicides (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		20	7.0	ug/Kg	₩	04/04/12 12:22	04/05/12 19:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	83		39 - 120				04/04/12 12:22	04/05/12 19:22	1
- Method: 6010B - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	14.5		2.2	0.44	mg/Kg	\	04/04/12 09:00	04/04/12 15:40	1
Barium	93.0		0.55	0.12	mg/Kg	₩	04/04/12 09:00	04/04/12 15:40	1
Beryllium	0.62		0.22	0.031	mg/Kg	₩	04/04/12 09:00	04/04/12 15:40	1
Cadmium	0.23		0.22	0.033	mg/Kg	\$	04/04/12 09:00	04/04/12 15:40	1
Copper	31.3		1.1	0.23	mg/Kg	₩	04/04/12 09:00	04/04/12 15:40	1
Lead	113		1.1	0.27	mg/Kg	₽	04/04/12 09:00	04/04/12 15:40	1
Manganese	363	В	0.22	0.035	mg/Kg	₩.	04/04/12 09:00	04/04/12 15:40	1
Nickel	27.2		5.5	0.25	mg/Kg	₩	04/04/12 09:00	04/04/12 15:40	1
Selenium	ND		4.4	0.63	mg/Kg	₩	04/04/12 09:00	04/04/12 15:40	1
Silver	ND		0.55	0.22	mg/Kg	₩.	04/04/12 09:00	04/04/12 15:40	1
Zinc	91.3		2.2	0.17	mg/Kg	\$	04/04/12 09:00	04/04/12 15:40	1
Method: 7471A - Mercury (CVAA)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.14		0.025	0.010	mg/Kg	₩	04/05/12 07:55	04/05/12 11:39	1
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		2.4	0.89	mg/Kg	<u> </u>	04/06/12 11:45	04/11/12 15:07	1
Trivalent Chromium	18.3		2.0	0.75	mg/Kg			04/11/12 17:52	1

0.12

0.057 mg/Kg

04/03/12 19:30

04/04/12 14:06

ND

Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid Prep Type: Total/NA

				Percent Surre	gate Recovery (Acceptance Limits)
		12DCE	TOL	BFB	
Lab Sample ID	Client Sample ID	(64-126)	(71-125)	(72-126)	
480-17991-1	SAMPLE 2 DSS	116	100	105	
LCS 480-58043/6	Lab Control Sample	108	101	104	
MB 480-58043/7	Method Blank	105	103	104	

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)								
		ТВР	FBP	2FP	NBZ	PHL	TPH			
Lab Sample ID	Client Sample ID	(39-146)	(37-120)	(18-120)	(34-132)	(11-120)	(65-153)			
480-17991-1	SAMPLE 2 DSS	96	72	61	76	66	109			
LCS 480-58302/2-A	Lab Control Sample	112	93	83	106	86	113			
MB 480-58302/1-A	Method Blank	119	98	86	103	89	136			

Surrogate Legend

TBP = 2,4,6-Tribromophenol

FBP = 2-Fluorobiphenyl

2FP = 2-Fluorophenol

NBZ = Nitrobenzene-d5

PHL = Phenol-d5

TPH = p-Terphenyl-d14

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		DCB1	TCX1	
Lab Sample ID	Client Sample ID	(62-137)	(30-124)	
480-17991-1	SAMPLE 2 DSS	90	68	
480-17991-1 MS	SAMPLE 2 DSS	116	65	
480-17991-1 MSD	SAMPLE 2 DSS	109	73	
LCS 480-58426/2-A	Lab Control Sample	89	59	
MB 480-58426/1-A	Method Blank	89	67	

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		DCB2	TCX2	
Lab Sample ID	Client Sample ID	(36-182)	(24-172)	
480-17991-1	SAMPLE 2 DSS	109	118	
LCS 480-58267/2-A	Lab Control Sample	157	160	
MB 480-58267/1-A	Method Blank	134	136	

TestAmerica Buffalo 4/12/2012

Surrogate Summary

Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

TestAmerica Job ID: 480-17991-1

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8151A - Herbicides (GC)

Matrix: Solid Prep Type: Total/NA

			Percent Surrogate Recovery (Acceptance Limits)
		DCPA1	
Lab Sample ID	Client Sample ID	(39-120)	
480-17991-1	SAMPLE 2 DSS	83	
LCS 480-58115/2-A	Lab Control Sample	88	
LCSD 480-58115/3-A	Lab Control Sample Dup	92	
MB 480-58115/1-A	Method Blank	78	
Surrogate Legend			
DCPA = 2,4-Dichloroph	enylacetic acid		

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14

Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-58043/7 Matrix: Solid

Analysis Batch: 58043

1,1,1-Trichloroethane

1,1-Dichloroethane

1,1-Dichloroethene

Ethylbenzene

Xylenes, Total

Analyte

Client Sample ID: Method Blank Prep Type: Total/NA

04/04/12 11:37

04/04/12 11:37

мв мв Result Qualifier RL MDL Unit D Prepared Dil Fac Analyzed ND 5.0 0.36 ug/Kg 04/04/12 11:37 ND 5.0 0.61 ug/Kg 04/04/12 11:37 ND 5.0 0.61 ug/Kg 04/04/12 11:37 ND 5.0 04/04/12 11:37

1,2,4-Trimethylbenzene 0.96 ug/Kg 1,2-Dichlorobenzene ND 5.0 0.39 ug/Kg 04/04/12 11:37 1,2-Dichloroethane ND 5.0 0.25 ug/Kg 04/04/12 11:37 1,3,5-Trimethylbenzene ND 5.0 0.32 ug/Kg 04/04/12 11:37 1,3-Dichlorobenzene ND 5.0 0.26 ug/Kg 04/04/12 11:37 1,4-Dichlorobenzene ND 5.0 0.70 ug/Kg 04/04/12 11:37

1,4-Dioxane ND 200 24 ug/Kg 04/04/12 11:37 Acetone ND 25 4.2 ug/Kg 04/04/12 11:37 Benzene ND 5.0 ug/Kg 04/04/12 11:37 Carbon tetrachloride ND 5.0 0.48 ug/Kg 04/04/12 11:37 Chlorobenzene ND 5.0 0.66 ug/Kg 04/04/12 11:37 Chloroform ND 5.0 0.31 ug/Kg 04/04/12 11:37 cis-1,2-Dichloroethene ND 5.0 0.64 ug/Kg 04/04/12 11:37

Isopropylbenzene ND 5.0 0.75 ug/Kg 04/04/12 11:37 Methyl Ethyl Ketone ND 25 1.8 ug/Kg 04/04/12 11:37 ND 5.0 Methyl tert-butyl ether 0.49 ug/Kg 04/04/12 11:37 Methylene Chloride ND 5.0 2.3 ug/Kg 04/04/12 11:37 Butylbenzene ND 04/04/12 11:37 5.0 0.44 ug/Kg Propylbenzene, n-ND 5.0 04/04/12 11:37 0.40 ug/Kg

5.0

0.35 ug/Kg

0.84 ug/Kg

ND

ND

sec-Butylbenzene ND 5.0 04/04/12 11:37 0.44 ug/Kg tert-Butylbenzene ND 5.0 0.52 ug/Kg 04/04/12 11:37 Tetrachloroethene ND 5.0 0.67 ug/Kg 04/04/12 11:37 Toluene ND 5.0 0.38 ug/Kg 04/04/12 11:37 trans-1,2-Dichloroethene ND 5.0 0.52 ug/Kg 04/04/12 11:37 Trichloroethene ND 5.0 1.1 ug/Kg 04/04/12 11:37 Vinyl chloride ND 5.0 0.61 ug/Kg 04/04/12 11:37

 Surrogate
 %Recovery 1,2-Dichloroethane-d4 (Surr)
 105
 Limits 64 - 126
 Prepared 64 - 126
 Analyzed 7,04/04/12 11:37
 Dil Fac 0,04/04/12 11:37

10

1,2-Dichloroethane-d4 (Surr) 105 64 - 126 04/04/12 11:37 1
Toluene-d8 (Surr) 103 71 - 125 04/04/12 11:37 1
4-Bromofluorobenzene (Surr) 104 72 - 126 04/04/12 11:37 1

Lab Sample ID: LCS 480-58043/6

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 58043

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,1-Dichloroethane	50.0	52.7		ug/Kg		105	79 - 126	
1,1-Dichloroethene	50.0	45.6		ug/Kg		91	65 - 153	
1,2,4-Trimethylbenzene	50.0	41.7		ug/Kg		83	74 - 120	
1,2-Dichlorobenzene	50.0	42.8		ug/Kg		86	75 - 120	
1,2-Dichloroethane	50.0	53.2		ug/Kg		106	77 _ 122	
Benzene	50.0	54.8		ug/Kg		110	79 _ 127	
Chlorobenzene	50.0	47 7		ua/Ka		95	76 - 124	

Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

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

Lab Sample ID: LCS 480-58043/6

Matrix: Solid

Analysis Batch: 58043

Client Sample ID: Lab Control Sample Prep Type: Total/NA

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
cis-1,2-Dichloroethene	50.0	53.9		ug/Kg		108	81 - 117	
Ethylbenzene	50.0	46.0		ug/Kg		92	80 - 120	
Methyl tert-butyl ether	50.0	50.9		ug/Kg		102	63 - 125	
Tetrachloroethene	50.0	47.5		ug/Kg		95	74 - 122	
Toluene	50.0	46.6		ug/Kg		93	74 - 128	
trans-1,2-Dichloroethene	50.0	54.6		ug/Kg		109	78 - 126	
Trichloroethene	50.0	53.6		ug/Kg		107	77 - 129	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	108		64 - 126
Toluene-d8 (Surr)	101		71 - 125
4-Bromofluorobenzene (Surr)	104		72 - 126

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

Lab Sample ID: MB 480-58302/1-A

Matrix: Solid

Analysis Patch: E9507

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 58302

Analysis Batch: 58507								Prep Batch	า: 58302
	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		170	2.0	ug/Kg		04/05/12 10:44	04/06/12 22:15	1
Acenaphthylene	ND		170	1.4	ug/Kg		04/05/12 10:44	04/06/12 22:15	1
Anthracene	ND		170	4.2	ug/Kg		04/05/12 10:44	04/06/12 22:15	1
Benzo(a)anthracene	ND		170	2.9	ug/Kg		04/05/12 10:44	04/06/12 22:15	1
Benzo(a)pyrene	ND		170	4.0	ug/Kg		04/05/12 10:44	04/06/12 22:15	1
Benzo(b)fluoranthene	ND		170	3.2	ug/Kg		04/05/12 10:44	04/06/12 22:15	1
Benzo(g,h,i)perylene	ND		170	2.0	ug/Kg		04/05/12 10:44	04/06/12 22:15	1
Benzo(k)fluoranthene	ND		170	1.8	ug/Kg		04/05/12 10:44	04/06/12 22:15	1
Chrysene	ND		170	1.7	ug/Kg		04/05/12 10:44	04/06/12 22:15	1
Dibenz(a,h)anthracene	ND		170	2.0	ug/Kg		04/05/12 10:44	04/06/12 22:15	1
Dibenzofuran	ND		170	1.7	ug/Kg		04/05/12 10:44	04/06/12 22:15	1
Fluoranthene	ND		170	2.4	ug/Kg		04/05/12 10:44	04/06/12 22:15	1
Fluorene	ND		170	3.8	ug/Kg		04/05/12 10:44	04/06/12 22:15	1
Hexachlorobenzene	ND		170	8.2	ug/Kg		04/05/12 10:44	04/06/12 22:15	1
Indeno(1,2,3-cd)pyrene	ND		170	4.6	ug/Kg		04/05/12 10:44	04/06/12 22:15	1
m-Cresol	ND		320	9.2	ug/Kg		04/05/12 10:44	04/06/12 22:15	1
Naphthalene	ND		170	2.8	ug/Kg		04/05/12 10:44	04/06/12 22:15	1
o-Cresol	ND		170	5.1	ug/Kg		04/05/12 10:44	04/06/12 22:15	1
p-Cresol	ND		320	9.2	ug/Kg		04/05/12 10:44	04/06/12 22:15	1
Pentachlorophenol	ND		320	57	ug/Kg		04/05/12 10:44	04/06/12 22:15	1
Phenanthrene	ND		170	3.5	ug/Kg		04/05/12 10:44	04/06/12 22:15	1
Phenol	ND		170	17	ug/Kg		04/05/12 10:44	04/06/12 22:15	1
Pyrene	ND		170	1.1	ug/Kg		04/05/12 10:44	04/06/12 22:15	1
	MB	MB							

MB	MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	119		39 - 146	04/05/12 10:4	4 04/06/12 22:15	1
2-Fluorobiphenyl	98		37 - 120	04/05/12 10:4	4 04/06/12 22:15	1
2-Fluorophenol	86		18 - 120	04/05/12 10:4	4 04/06/12 22:15	1
Nitrobenzene-d5	103		34 - 132	04/05/12 10:4	4 04/06/12 22:15	1

Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

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

Lab Sample ID: MB 480-58302/1-A

Matrix: Solid

Analysis Batch: 58507

Client Sample ID: Method Blank Prep Type: Total/NA

Prep Batch: 58302

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	89		11 - 120	04/05/12 10:44	04/06/12 22:15	1
p-Terphenyl-d14	136		65 - 153	04/05/12 10:44	04/06/12 22:15	1

Lab Sample ID: LCS 480-58302/2-A

Matrix: Solid

Analysis Batch: 58507

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Prep Batch: 58302

	Spike	LCS	LCS			%Rec.	
Analyte	Added	Result	Qualifier Unit	D	%Rec	Limits	
Acenaphthene	3290	3340	ug/Kg		101	53 - 120	
Fluorene	3290	3740	ug/Kg		114	63 - 126	
Pentachlorophenol	3290	2900	ug/Kg		88	33 - 136	
Phenol	3290	2830	ug/Kg		86	36 - 120	
Pyrene	3290	3500	ug/Kg		106	51 - 133	

LCS LCS

%Recovery Qualifier

89

67

Surrogate	%Recovery	Qualifier	Limits
2,4,6-Tribromophenol	112		39 - 146
2-Fluorobiphenyl	93		37 - 120
2-Fluorophenol	83		18 - 120
Nitrobenzene-d5	106		34 - 132
Phenol-d5	86		11 - 120
p-Terphenyl-d14	113		65 - 153

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-58426/1-A

Matrix: Solid

Surrogate

DCB Decachlorobiphenyl

Tetrachloro-m-xylene

Analysis Batch: 58671

Client Sample ID: Method Blank
Prep Type: Total/NA

Prep Batch: 58426

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.6	0.32	ug/Kg		04/06/12 07:52	04/09/12 13:43	1
4,4'-DDE	ND		1.6	0.25	ug/Kg		04/06/12 07:52	04/09/12 13:43	1
4,4'-DDT	ND		1.6	0.17	ug/Kg		04/06/12 07:52	04/09/12 13:43	1
Aldrin	ND		1.6	0.40	ug/Kg		04/06/12 07:52	04/09/12 13:43	1
alpha-BHC	ND		1.6	0.30	ug/Kg		04/06/12 07:52	04/09/12 13:43	1
alpha-Chlordane	ND		1.6	0.82	ug/Kg		04/06/12 07:52	04/09/12 13:43	1
beta-BHC	ND		1.6	0.18	ug/Kg		04/06/12 07:52	04/09/12 13:43	1
delta-BHC	ND		1.6	0.22	ug/Kg		04/06/12 07:52	04/09/12 13:43	1
Dieldrin	ND		1.6	0.39	ug/Kg		04/06/12 07:52	04/09/12 13:43	1
Endosulfan I	ND		1.6	0.21	ug/Kg		04/06/12 07:52	04/09/12 13:43	1
Endosulfan II	ND		1.6	0.30	ug/Kg		04/06/12 07:52	04/09/12 13:43	1
Endosulfan sulfate	ND		1.6	0.31	ug/Kg		04/06/12 07:52	04/09/12 13:43	1
Endrin	ND		1.6	0.23	ug/Kg		04/06/12 07:52	04/09/12 13:43	1
Heptachlor	ND		1.6	0.26	ug/Kg		04/06/12 07:52	04/09/12 13:43	1
Lindane	ND		1.6	1.2	ug/Kg		04/06/12 07:52	04/09/12 13:43	1
	MB	MR							

Dil Fac

Analyzed

04/09/12 13:43

04/09/12 13:43

Prepared

04/06/12 07:52

04/06/12 07:52

Limits

62 - 137

30 - 124

Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 480-58426/2-A Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Total/NA Analysis Batch: 58671 Prep Batch: 58426 Spike LCS LCS %Rec

16.4 16.4	15.0 14.1	Qualifier	Unit ug/Kg	D	%Rec 91	Limits	
16.4			ug/Kg		91	<i>1</i> 5 120	
	14.1				٠.	70 - 120	
16.4			ug/Kg		86	49 - 120	
10.4	16.1		ug/Kg		98	47 - 145	
16.4	12.4		ug/Kg		76	35 - 120	
16.4	9.81		ug/Kg		60	49 - 120	
16.4	14.0		ug/Kg		86	44 - 127	
16.4	12.6		ug/Kg		77	58 - 123	
16.4	12.0		ug/Kg		73	45 - 123	
16.4	14.1		ug/Kg		86	53 - 128	
16.4	13.5		ug/Kg		83	29 - 125	
16.4	13.5		ug/Kg		83	56 - 127	
16.4	12.6		ug/Kg		77	53 - 135	
16.4	15.1		ug/Kg		92	58 - 129	
16.4	12.6		ug/Kg		77	49 - 122	
16.4	11.6		ug/Kg		71	50 - 120	
	16.4 16.4 16.4 16.4 16.4 16.4 16.4 16.4	16.4 12.4 16.4 9.81 16.4 14.0 16.4 12.6 16.4 12.0 16.4 14.1 16.4 13.5 16.4 13.5 16.4 12.6 16.4 15.1 16.4 15.1	16.4 12.4 16.4 9.81 16.4 14.0 16.4 12.6 16.4 12.0 16.4 14.1 16.4 13.5 16.4 13.5 16.4 12.6 16.4 15.1 16.4 12.6	16.4 12.4 ug/Kg 16.4 9.81 ug/Kg 16.4 14.0 ug/Kg 16.4 12.6 ug/Kg 16.4 12.0 ug/Kg 16.4 14.1 ug/Kg 16.4 13.5 ug/Kg 16.4 13.5 ug/Kg 16.4 13.5 ug/Kg 16.4 15.1 ug/Kg 16.4 15.1 ug/Kg	16.4 12.4 ug/Kg 16.4 9.81 ug/Kg 16.4 14.0 ug/Kg 16.4 12.6 ug/Kg 16.4 12.0 ug/Kg 16.4 14.1 ug/Kg 16.4 13.5 ug/Kg 16.4 13.5 ug/Kg 16.4 13.5 ug/Kg 16.4 15.1 ug/Kg 16.4 15.1 ug/Kg	16.4 12.4 ug/Kg 76 16.4 9.81 ug/Kg 60 16.4 14.0 ug/Kg 86 16.4 12.6 ug/Kg 77 16.4 12.0 ug/Kg 73 16.4 14.1 ug/Kg 86 16.4 13.5 ug/Kg 83 16.4 13.5 ug/Kg 83 16.4 12.6 ug/Kg 93 16.4 12.6 ug/Kg 77	16.4 12.4 ug/Kg 76 35 - 120 16.4 9.81 ug/Kg 60 49 - 120 16.4 14.0 ug/Kg 86 44 - 127 16.4 12.6 ug/Kg 77 58 - 123 16.4 12.0 ug/Kg 73 45 - 123 16.4 14.1 ug/Kg 86 53 - 128 16.4 13.5 ug/Kg 83 29 - 125 16.4 13.5 ug/Kg 83 56 - 127 16.4 12.6 ug/Kg 77 53 - 135 16.4 15.1 ug/Kg 92 58 - 129 16.4 12.6 ug/Kg 77 49 - 122

LCS LCS %Recovery Qualifier Limits Surrogate DCB Decachlorobiphenyl 62 - 137 89 Tetrachloro-m-xylene 30 - 124 59

Lab Sample ID: 480-17991-1 MS

Matrix: Solid

Lindane

Analysis Batch: 58671

Sample	Sample	Spike	MS	MS				%Rec.
Analyte Resul	t Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
4,4'-DDD NE		19.6	21.6		ug/Kg	₩	110	53 - 124
4,4'-DDE NE)	19.6	19.4		ug/Kg	₩	99	44 - 123
4,4'-DDT 4.0) J	19.6	23.7		ug/Kg	☼	101	36 - 132
Aldrin NE)	19.6	16.4		ug/Kg	≎	84	35 - 120
alpha-BHC NE)	19.6	14.4		ug/Kg	☼	73	35 - 114
alpha-Chlordane NE)	19.6	20.8		ug/Kg	₩	106	47 _ 121
beta-BHC NE)	19.6	19.2		ug/Kg	₩	98	50 - 121
delta-BHC NE)	19.6	15.5		ug/Kg	₩	79	45 - 123
Dieldrin NE)	19.6	21.0		ug/Kg	₩	107	47 - 120
Endosulfan I NE)	19.6	19.0		ug/Kg	₩	97	29 ₋ 125
Endosulfan II NE)	19.6	16.6		ug/Kg	₩	85	21 ₋ 137
Endosulfan sulfate NE)	19.6	14.9		ug/Kg	₩	76	34 - 136
Endrin NE)	19.6	21.6		ug/Kg	₽	110	53 - 120
Heptachlor NE)	19.6	16.4		ug/Kg	₩	84	47 - 120

19.6

16.2

ug/Kg

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl	116		62 - 137
Tetrachloro-m-xylene	65		30 - 124

ND

Client Sample ID: SAMPLE 2 DSS Prep Type: Total/NA

Prep Batch: 58426

TestAmerica Buffalo 4/12/2012

50 - 120

Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 480-17991-1 MSD

Matrix: Solid

Analysis Batch: 58671

Client Sample ID: SAMPLE 2 DSS

Prep Type: Total/NA

Prep Batch: 58426

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
4,4'-DDD	ND		19.4	19.8		ug/Kg	₩	102	53 - 124	9	21
4,4'-DDE	ND		19.4	16.9		ug/Kg	₽	87	44 - 123	13	18
4,4'-DDT	4.0	J	19.4	21.1		ug/Kg	₽	89	36 - 132	12	25
Aldrin	ND		19.4	16.2		ug/Kg	₽	84	35 - 120	1	12
alpha-BHC	ND		19.4	13.8		ug/Kg	₽	71	35 - 114	4	15
alpha-Chlordane	ND		19.4	19.4		ug/Kg	₩	100	47 - 121	7	23
beta-BHC	ND		19.4	17.3		ug/Kg	₽	89	50 - 121	10	19
delta-BHC	ND		19.4	13.6		ug/Kg	₽	70	45 - 123	13	14
Dieldrin	ND		19.4	18.5	F	ug/Kg	₩	95	47 - 120	13	12
Endosulfan I	ND		19.4	17.5		ug/Kg	₽	90	29 - 125	9	18
Endosulfan II	ND		19.4	12.4	F	ug/Kg	₩	64	21 - 137	30	26
Endosulfan sulfate	ND		19.4	9.02	JF	ug/Kg	₽	47	34 - 136	49	35
Endrin	ND		19.4	19.6		ug/Kg	₽	101	53 - 120	10	20
Heptachlor	ND		19.4	16.2		ug/Kg	₩	83	47 - 120	1	22
Lindane	ND		19.4	15.5		ug/Kg	₽	80	50 - 120	5	12

MSD MSD %Recovery Qualifier Limits Surrogate DCB Decachlorobiphenyl 62 - 137 109

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

73

Lab Sample ID: MB 480-58267/1-A

Matrix: Solid

Tetrachloro-m-xylene

Analysis Batch: 58319

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 58267

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		200	40	ug/Kg		04/05/12 09:40	04/05/12 18:12	1
PCB-1221	ND		200	40	ug/Kg		04/05/12 09:40	04/05/12 18:12	1
PCB-1232	ND		200	40	ug/Kg		04/05/12 09:40	04/05/12 18:12	1
PCB-1242	ND		200	45	ug/Kg		04/05/12 09:40	04/05/12 18:12	1
PCB-1248	ND		200	40	ug/Kg		04/05/12 09:40	04/05/12 18:12	1
PCB-1254	ND		200	43	ug/Kg		04/05/12 09:40	04/05/12 18:12	1
PCB-1260	ND		200	96	ug/Kg		04/05/12 09:40	04/05/12 18:12	1
i e e e e e e e e e e e e e e e e e e e									

30 - 124

MB MB Limits Prepared Dil Fac Surrogate %Recovery Qualifier Analyzed DCB Decachlorobiphenyl 134 36 - 182 04/05/12 09:40 04/05/12 18:12 Tetrachloro-m-xylene 24 - 172 04/05/12 09:40 04/05/12 18:12 136

Lab Sample ID: LCS 480-58267/2-A

Matrix: Soli

Analysis B

ole ID: LCS 480-58267/2-A			Client Sample ID: Lab Control Sample
olid			Prep Type: Total/NA
Batch: 58319			Prep Batch: 58267
	• "	100 100	0/5

ı		Si	pike LCS	LCS			%Rec.	
	Analyte	Ad	ded Result	Qualifier L	Jnit D	%Rec	Limits	
	PCB-1016		3470	u	ıg/Kg	146	51 - 185	
l	PCB-1260	2	3720	u	ıg/Kg	157	61 - 184	

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Type: Total/NA Prep Batch: 58115

Prep Type: Total/NA

Prep Batch: 58115

Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

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

Lab Sample ID: LCS 480-58267/2-A

Matrix: Solid

Analysis Batch: 58319

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Prep Batch: 58267

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl	157		36 - 182
Tetrachloro-m-xylene	160		24 - 172

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 480-58115/1-A

Matrix: Solid

Analysis Batch: 58264

				МВ	МВ	

Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac 04/04/12 12:22 16 04/05/12 16:30 Silvex (2,4,5-TP) ND 5.9 ug/Kg

MB MB

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 2,4-Dichlorophenylacetic acid 39 _ 120 04/04/12 12:22 04/05/12 16:30 78

Lab Sample ID: LCS 480-58115/2-A

Matrix: Solid

Analysis Batch: 58264

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Silvex (2,4,5-TP)	65.4	54.8		ug/Kg		84	56 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
2,4-Dichlorophenylacetic acid	88		39 - 120

Lab Sample ID: LCSD 480-58115/3-A

Matrix: Solid

Analysis Batch: 58264							Prep	Batch:	58115
	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Silvex (2,4,5-TP)	66.1	59.2		ug/Kg	_	89	56 - 130	8	50

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
2,4-Dichlorophenylacetic acid	92		39 - 120

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 480-58048/1-A

Matrix: Solid

Analysis Batch: 58227

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 58048

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.9	0.38	mg/Kg		04/04/12 09:00	04/04/12 15:13	1
Barium	ND		0.48	0.11	mg/Kg		04/04/12 09:00	04/04/12 15:13	1
Beryllium	ND		0.19	0.027	mg/Kg		04/04/12 09:00	04/04/12 15:13	1
Cadmium	ND		0.19	0.029	mg/Kg		04/04/12 09:00	04/04/12 15:13	1
Copper	ND		0.96	0.20	mg/Kg		04/04/12 09:00	04/04/12 15:13	1
Lead	ND		0.96	0.23	mg/Kg		04/04/12 09:00	04/04/12 15:13	1

Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 480-58048/1-A

Matrix: Solid

Analysis Batch: 58227

Client Sample ID: Method Blank Prep Type: Total/NA

Prep Batch: 58048

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.0364	J	0.19	0.031	mg/Kg		04/04/12 09:00	04/04/12 15:13	1
Nickel	ND		4.8	0.22	mg/Kg		04/04/12 09:00	04/04/12 15:13	1
Selenium	ND		3.8	0.55	mg/Kg		04/04/12 09:00	04/04/12 15:13	1
Silver	ND		0.48	0.19	mg/Kg		04/04/12 09:00	04/04/12 15:13	1
Zinc	ND		1.9	0.15	mg/Kg		04/04/12 09:00	04/04/12 15:13	1

Client Sample ID: Lab Control Sample

Matrix: Solid

Lab Sample ID: LCSSRM 480-58048/2-A

Analysis Batch: 58227

Prep Type: Total/NA Prep Batch: 58048

Allalysis Datcii. 30227	- ·							atcii. 300 4 0
	Spike	LCSSRM	LCSSRM				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Arsenic	109	110.8		mg/Kg		101	70 - 134	
Barium	206	211.2		mg/Kg		102	73 - 127	
Beryllium	88.4	94.10		mg/Kg		106	74 - 126	
Cadmium	80.4	86.90		mg/Kg		108	73 - 127	
Copper	117	123.4		mg/Kg		105	75 - 125	
Lead	76.4	82.00		mg/Kg		107	69 - 131	
Manganese	351	367.6		mg/Kg		105	75 - 125	
Nickel	71.4	80.26		mg/Kg		112	71 - 129	
Selenium	127	133.1		mg/Kg		105	67 - 134	
Silver	41.1	42.22		mg/Kg		103	66 - 134	
Zinc	281	288.9		mg/Kg		103	71 - 129	

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 480-58215/1-A

Matrix: Solid

Analysis Batch: 58512

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 58215

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.019	0.0076	mg/Kg		04/05/12 07:55	04/05/12 11:33	1

Lab Sample ID: LCSSRM 480-58215/2-A

Matrix: Solid

Analysis Batch: 58512

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 58215

Spike LCSSRM LCSSRM %Rec. Analyte Added Result Qualifier Unit D %Rec Limits Hg 105 3.77 3.97 mg/Kg 51 - 149

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 460-108503/1-A

Matrix: Solid

Analysis Batch: 109010

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 108503

мв мв Result Qualifier MDL Unit Analyte RL Prepared Analyzed Dil Fac Hexavalent chromium ND 2.0 0.75 mg/Kg 04/06/12 11:45 04/11/12 12:23

Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

Hexavalent chromium

Lab Sample ID: LCSI 460-108503/3-A					Client S	Sample	ID: Lab Control	Sample
Matrix: Solid							Prep Type:	Total/NA
Analysis Batch: 109010							Prep Batch	: 108503
	Spike	LCSI	LCSI				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Hexavalent chromium	708	693.0		mg/Kg		98	80 - 120	

Lab Sample ID: LCSS 460-108503/2-A **Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA Analysis Batch: 109010 Prep Batch: 108503 Spike LCSS LCSS Analyte Added Result Qualifier Limits Unit %Rec

21.40

mg/Kg

88

85 - 115

24.4

Method: 9012A - Cyanide, Total and/or Amenable

Lab Sample ID: MB 480-58029/1-A	Client Sample ID: Method Blank
Matrix: Solid	Prep Type: Total/NA
Analysis Batch: 58156	Prep Batch: 58029
MB MB	

Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Cyanide, Total ND 0.099 0.048 mg/Kg 04/03/12 19:30 04/04/12 13:54

Lab Sample ID: LCS 480-58029/2-A **Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA Analysis Batch: 58156 Prep Batch: 58029 Spike LCS LCS %Rec.

Added Result Qualifier Limits Analyte Unit D %Rec Cyanide, Total 44.0 22.24 29 - 122 mg/Kg 51

QC Association Summary Client: Titan Wrecking and Environmental TestAmerica Job ID: 480-17991-1 Project/Site: Dunkirk Speciality Steel **GC/MS VOA** Analysis Batch: 58043 Lab Sample ID Client Sample ID **Prep Type** Matrix Method Prep Batch 480-17991-1 SAMPLE 2 DSS 8260B 58091 Total/NA Solid LCS 480-58043/6 Lab Control Sample Total/NA Solid 8260B MB 480-58043/7 Total/NA 8260B Method Blank Solid Prep Batch: 58091 Prep Type Lab Sample ID Client Sample ID Matrix Method Prep Batch 480-17991-1 SAMPLE 2 DSS Total/NA Solid 5035 GC/MS Semi VOA Prep Batch: 58302 Lab Sample ID Client Sample ID Prep Type Matrix Method Prep Batch 480-17991-1 SAMPLE 2 DSS Total/NA Solid 3550B LCS 480-58302/2-A Lab Control Sample Total/NA 3550B Solid MB 480-58302/1-A Method Blank Total/NA Solid 3550B Analysis Batch: 58507 Lab Sample ID Client Sample ID **Prep Type** Matrix Method Prep Batch 480-17991-1 SAMPLE 2 DSS Total/NA Solid 8270C 58302 LCS 480-58302/2-A Lab Control Sample Total/NA Solid 8270C 58302 MB 480-58302/1-A Method Blank Total/NA Solid 8270C 58302 GC Semi VOA Prep Batch: 58115 Lab Sample ID Client Sample ID **Prep Type** Matrix Method Prep Batch 480-17991-1 SAMPLE 2 DSS 8151A Total/NA Solid LCS 480-58115/2-A Lab Control Sample Total/NA Solid 8151A LCSD 480-58115/3-A Lab Control Sample Dup Total/NA Solid 8151A MB 480-58115/1-A Method Blank Total/NA Solid 8151A Analysis Batch: 58264

Analysis	Dotob.	E0264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-17991-1	SAMPLE 2 DSS	Total/NA	Solid	8151A	58115
LCS 480-58115/2-A	Lab Control Sample	Total/NA	Solid	8151A	58115
LCSD 480-58115/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	58115
MB 480-58115/1-A	Method Blank	Total/NA	Solid	8151A	58115

Prep Batch: 58267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-17991-1	SAMPLE 2 DSS	Total/NA	Solid	3550B	
LCS 480-58267/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 480-58267/1-A	Method Blank	Total/NA	Solid	3550B	

Analysis Batch: 58319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-17991-1	SAMPLE 2 DSS	Total/NA	Solid	8082	58267
LCS 480-58267/2-A	Lab Control Sample	Total/NA	Solid	8082	58267
MB 480-58267/1-A	Method Blank	Total/NA	Solid	8082	58267

TestAmerica Buffalo 4/12/2012

Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

GC Semi VOA (Continued)

Prep Batch: 58426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-17991-1	SAMPLE 2 DSS	Total/NA	Solid	3550B	
480-17991-1 MS	SAMPLE 2 DSS	Total/NA	Solid	3550B	
480-17991-1 MSD	SAMPLE 2 DSS	Total/NA	Solid	3550B	
LCS 480-58426/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 480-58426/1-A	Method Blank	Total/NA	Solid	3550B	

Analysis Batch: 58671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-17991-1	SAMPLE 2 DSS	Total/NA	Solid	8081A	58426
480-17991-1 MS	SAMPLE 2 DSS	Total/NA	Solid	8081A	58426
480-17991-1 MSD	SAMPLE 2 DSS	Total/NA	Solid	8081A	58426
LCS 480-58426/2-A	Lab Control Sample	Total/NA	Solid	8081A	58426
MB 480-58426/1-A	Method Blank	Total/NA	Solid	8081A	58426

Metals

Prep Batch: 58048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-17991-1	SAMPLE 2 DSS	Total/NA	Solid	3050B	
LCSSRM 480-58048/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 480-58048/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 58215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-17991-1	SAMPLE 2 DSS	Total/NA	Solid	7471A	<u> </u>
LCSSRM 480-58215/2-A	Lab Control Sample	Total/NA	Solid	7471A	
MB 480-58215/1-A	Method Blank	Total/NA	Solid	7471A	

Analysis Batch: 58227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-17991-1	SAMPLE 2 DSS	Total/NA	Solid	6010B	58048
LCSSRM 480-58048/2-A	Lab Control Sample	Total/NA	Solid	6010B	58048
MB 480-58048/1-A	Method Blank	Total/NA	Solid	6010B	58048

Analysis Batch: 58512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method F	rep Batch
480-17991-1	SAMPLE 2 DSS	Total/NA	Solid	7471A	58215
LCSSRM 480-58215/2-A	Lab Control Sample	Total/NA	Solid	7471A	58215
MB 480-58215/1-A	Method Blank	Total/NA	Solid	7471A	58215

General Chemistry

Prep Batch: 58029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-17991-1	SAMPLE 2 DSS	Total/NA	Solid	9012A	_
LCS 480-58029/2-A	Lab Control Sample	Total/NA	Solid	9012A	
MB 480-58029/1-A	Method Blank	Total/NA	Solid	9012A	
Analysis Batch: 58106					

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-17991-1	SAMPLE 2 DSS	Total/NA	Solid	Moisture	

TestAmerica Buffalo 4/12/2012

QC Association Summary

Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

TestAmerica Job ID: 480-17991-1

General Chemistry (Continued)

Anal	ysis	Batch	า։ 5 8	156
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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-17991-1	SAMPLE 2 DSS	Total/NA	Solid	9012A	58029
LCS 480-58029/2-A	Lab Control Sample	Total/NA	Solid	9012A	58029
MB 480-58029/1-A	Method Blank	Total/NA	Solid	9012A	58029

Prep Batch: 108503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-17991-1	SAMPLE 2 DSS	Total/NA	Solid	3060A	
LCSI 460-108503/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSS 460-108503/2-A	Lab Control Sample	Total/NA	Solid	3060A	
MB 460-108503/1-A	Method Blank	Total/NA	Solid	3060A	

Analysis Batch: 109010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-17991-1	SAMPLE 2 DSS	Total/NA	Solid	7196A	108503
LCSI 460-108503/3-A	Lab Control Sample	Total/NA	Solid	7196A	108503
LCSS 460-108503/2-A	Lab Control Sample	Total/NA	Solid	7196A	108503
MB 460-108503/1-A	Method Blank	Total/NA	Solid	7196A	108503

Analysis Batch: 109027

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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-17991-1	SAMPLE 2 DSS	Total/NA	Solid	7196A	

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Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

Client Sample ID: SAMPLE 2 DSS

Date Collected: 04/02/12 11:00

Date Received: 04/03/12 12:20

Lab Sample ID: 480-17991-1

Matrix: Solid
Percent Solids: 83.8

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			58091	04/04/12 10:42	JMB	TAL BUF
Total/NA	Analysis	8260B		1	58043	04/04/12 12:12	CDC	TAL BUF
Total/NA	Prep	3550B			58302	04/05/12 10:44	CM	TAL BUF
Total/NA	Analysis	8270C		1	58507	04/06/12 23:50	RMM	TAL BUF
Total/NA	Prep	8151A			58115	04/04/12 12:22	TR	TAL BUF
Total/NA	Analysis	8151A		1	58264	04/05/12 19:22	CD	TAL BUF
Total/NA	Prep	3550B			58267	04/05/12 09:40	MRB	TAL BUF
Total/NA	Analysis	8082		1	58319	04/05/12 18:41	JM	TAL BUF
Total/NA	Prep	3550B			58426	04/06/12 07:52	MRB	TAL BUF
Total/NA	Analysis	8081A		5	58671	04/09/12 16:27	LW	TAL BUF
Total/NA	Prep	3050B			58048	04/04/12 09:00	SS	TAL BUF
Total/NA	Analysis	6010B		1	58227	04/04/12 15:40	LH	TAL BUF
Total/NA	Prep	7471A			58215	04/05/12 07:55	JRK	TAL BUF
Total/NA	Analysis	7471A		1	58512	04/05/12 11:39	JRK	TAL BUF
Total/NA	Prep	3060A			108503	04/06/12 11:45	ML	TAL EDI
Total/NA	Analysis	7196A		1	109010	04/11/12 15:07	RK	TAL EDI
Total/NA	Analysis	7196A		1	109027	04/11/12 17:52	LE	TAL EDI
Total/NA	Analysis	Moisture		1	58106	04/04/12 11:36	ZLR	TAL BUF
Total/NA	Prep	9012A			58029	04/03/12 19:30	ML	TAL BUF
Total/NA	Analysis	9012A		1	58156	04/04/12 14:06	PJQ	TAL BUF

Laboratory References:

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

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

Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

aboratory	Authority	Program	EPA Region	Certification ID
estAmerica Buffalo	Arkansas DEQ	State Program	6	88-0686
estAmerica Buffalo	California	NELAC	9	1169CA
estAmerica Buffalo	Connecticut	State Program	1	PH-0568
estAmerica Buffalo	Florida	NELAC	4	E87672
estAmerica Buffalo	Georgia	State Program	4	956
estAmerica Buffalo	Georgia	State Program	4	N/A
estAmerica Buffalo	Illinois	NELAC	5	100325 / 200003
estAmerica Buffalo	Iowa	State Program	7	374
estAmerica Buffalo	Kansas	NELAC	7	E-10187
estAmerica Buffalo	Kentucky	State Program	4	90029
estAmerica Buffalo	Louisiana	NELAC	6	02031
estAmerica Buffalo	Maine	State Program	1	NY0044
estAmerica Buffalo	Maryland	State Program	3	294
estAmerica Buffalo	Massachusetts	State Program	1	M-NY044
estAmerica Buffalo	Michigan	State Program	5	9937
estAmerica Buffalo	Minnesota	NELAC	5	036-999-337
estAmerica Buffalo	New Hampshire	NELAC	1	2337
estAmerica Buffalo	New Hampshire	NELAC	1	68-00281
estAmerica Buffalo	New Jersey	NELAC	2	NY455
estAmerica Buffalo	New York	NELAC	2	10026
estAmerica Buffalo	North Dakota	State Program	8	R-176
estAmerica Buffalo	Oklahoma	State Program	6	9421
estAmerica Buffalo	Oregon	NELAC	10	NY200003
estAmerica Buffalo	Pennsylvania	NELAC	3	68-00281
estAmerica Buffalo	Tennessee	State Program	4	TN02970
estAmerica Buffalo	Texas	NELAC	6	T104704412-08-TX
estAmerica Buffalo	USDA	Federal		P330-08-00242
estAmerica Buffalo	Virginia	NELAC Secondary AB	3	460185
estAmerica Buffalo	Virginia	State Program	3	278
estAmerica Buffalo	Washington	State Program	10	C1677
estAmerica Buffalo	West Virginia DEP	State Program	3	252
estAmerica Buffalo	Wisconsin	State Program	5	998310390
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estAmerica Edison	Connecticut	State Program	1	PH-0200
estAmerica Edison	DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	N/A
estAmerica Edison	New Jersey	NELAC	2	12028
stAmerica Edison	New York	NELAC	2	11452
estAmerica Edison	Pennsylvania	NELAC	3	68-00522
estAmerica Edison	Rhode Island	State Program	1	LAO00132
estAmerica Edison	USDA	Federal		NJCA-003-08

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

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Method Summary

Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

TestAmerica Job ID: 480-17991-1

/lethod	Method Description	Protocol	Laboratory
3260B	Volatile Organic Compounds (GC/MS)	SW846	TAL BUF
3270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081A	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
3151A	Herbicides (GC)	SW846	TAL BUF
6010B	Metals (ICP)	SW846	TAL BUF
'471A	Mercury (CVAA)	SW846	TAL BUF
'196A	Chromium, Hexavalent	SW846	TAL EDI
'196A	Chromium, Trivalent (Colorimetric)	SW846	TAL EDI
012A	Cyanide, Total and/or Amenable	SW846	TAL BUF
/loisture	Percent Moisture	EPA	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

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

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Sample Summary

Client: Titan Wrecking and Environmental Project/Site: Dunkirk Speciality Steel

TestAmerica Job ID: 480-17991-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-17991-1	SAMPLE 2 DSS	Solid	04/02/12 11:00	04/03/12 12:20

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Login Sample Receipt Checklist

Client: Titan Wrecking and Environmental Job Number: 480-17991-1

Login Number: 17991 List Source: TestAmerica Buffalo

List Number: 1 Creator: Janish, Carl

-	omment
Radioactivity either was not measured or, if measured, is at or below background	
The cooler's custody seal, if present, is intact.	
The cooler or samples do not appear to have been compromised or tampered with.	
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.	
COC is filled out with all pertinent information.	
Is the Field Sampler's name present on COC?	
There are no discrepancies between the sample IDs on the containers and the COC.	
Samples are received within Holding Time.	
Sample containers have legible labels. True	
Containers are not broken or leaking.	
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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in N/A diameter.	
If necessary, staff have been informed of any short hold time or quick TAT True needs	
Multiphasic samples are not present. True	
Samples do not require splitting or compositing.	
Sampling Company provided. True titar	tan
Samples received within 48 hours of sampling.	
Samples requiring field filtration have been filtered in the field. N/A	
Chlorine Residual checked. N/A	

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Login Sample Receipt Checklist

Client: Titan Wrecking and Environmental Job Number: 480-17991-1

Login Number: 17991
List Source: TestAmerica Edison
List Number: 1
List Creation: 04/04/12 10:57 AM

Creator: Villadarez, Gerson Timothy S

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Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	580225
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.8°C IR#50
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?	False	
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	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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