



LAWRENCE J. KENDZIOR
CITY MANAGER

City of Meriden, Connecticut

OFFICE OF THE CITY MANAGER

142 East Main Street, City Hall

Meriden, CT 06450-5605

Telephone (203) 630-4123 • Fax (203) 630-4274

October 25, 2011

Connecticut Department of Energy and
Environmental Protection
Remediation Division
79 Elm Street
Hartford, CT 06106

To Whom It May Concern:

**Re: ECAF- 77 Cooper Street, Meriden, CT- Waiver of Filing Fee Pursuant
to the PA 11-141**

Please accept the attached ECAF for 77 Cooper Street, Meriden CT. The City acquired the property by condemnation. It was contaminated by a prior owner and was abandoned. The City will be using a USEPA Brownfields Remediation grant to remediate the site.

We understand that the ECAF filing fee is waived for the above property pursuant to PA11-141. Please contact Peggy Brennan at 203-630-4152 if you have any questions.

Sincerely,

Lawrence J. Kendzior
City Manager

December 6, 2011

Ms. Lisa Pippa
City of Meriden
Director of Health and Human Services (Interim)
165 Miller Street
Meriden, CT 06450

Re: Public Notice
Soil Remediation Action Plans
77 Cooper Street and 104 Butler Street
Meriden, Connecticut

Dear Ms. Pippa:

This letter is to notify you of soil remedial activities planned for the City-owned properties located at 77 Cooper Street and 104 Butler Street (Factory H site) located in the City of Meriden. These projects are planned to start during December 2011 and the field work is expected to be completed prior to March 1, 2012.

The City of Meriden is planning to perform the remedial actions at 77 Cooper Street and 104 Butler Street to remediate soil identified with various compounds above state exposure criteria. This work will be conducted in accordance with one of Connecticut's Voluntary Remediation Programs; CGS 22a-133x. The proposed work will be conducted in conjunction with planned demolition activities of several structures located on the two properties. The proposed remediation plans have been previously publicized in the Meriden Record Journal (published in the September 21, 2011 edition).

Pertinent documents, including interim remedial action plans (IRAPs) for both sites, are located in a repository at Meriden's Miller Library and at the office of Meriden's Director of Economic Development (Ms. Peggy Brennan), whichever is more convenient for you.

Please contact me at 860.263.5780, or Ms. Peggy Brennan at 203.630.4152, if you have any questions regarding these proposed remediation activities.

Sincerely,
AECOM



John A. Bondos, Jr. LEP
Project Manager

cc: Ms. Peggy Brennan, City of Meriden



STATE OF CONNECTICUT
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 BUREAU OF WATER PROTECTION AND LAND REUSE
 REMEDIATION DIVISION
 79 ELM STREET, HARTFORD, CT 06106-5127
 (860) 424-3705 www.ct.gov/dep/remediation

ENVIRONMENTAL CONDITION ASSESSMENT FORM (ECAF)

This form must be certified by the responsible party, owner, or certifying party, as applicable. This certification attests that the information contained in the ECAF is correct and accurate to the best of such party's knowledge. For detailed directions on completing each part of the ECAF, refer to the instructions. The ECAF is to be a stand-alone document; do not reference attachments, with the exceptions of maps and receptor surveys.

Check the box to indicate the program for which this form is being submitted:

- Connecticut General Statutes (CGS) section 22a-134a(a)-(e), Property Transfer filing
- CGS section 22a-133x, Voluntary Remediation
- Other (specify)

ECAF submitted for Entire Property or Release Area

DEP USE ONLY
 Date and File Room Stamp

RemID#:

Part I: Site Identification

1. Name of Site: International Silver Company, Factory H

Street Address: 77 Cooper Street

City/Town: Meriden

State: CT

Zip Code: 06450-

2. Description in Property Deed:

Recorded on page 4099 in volume 0178 of the Town of Meriden land records, as lot 0037, block 0035, on map 0100-49 in the Tax Assessor's Office.

3. Site Details: Total Acreage: 3.46

Latitude & Longitude (Decimal Degrees):

41.534200 N 72.806500 W

Acres Undeveloped: 0

Building Footprint Square Footage: 100,000 & 900

4. Provide a location map that is based on a USGS quadrangle and shows the location of the site.

5. Include a site plan(s) with current and historical structures and boundaries, hazardous waste and solid waste management areas, areas of operation, areas of concern, release areas, UST and AST locations, septic systems, water supply wells, monitoring wells, groundwater flow direction, limits of groundwater plume, sampling locations, and extent of remediation, if known.

Site Address: 77 Cooper Street Meriden, CT

Part II: Contact Information

1. Business/person submitting this form:

Business Name: City of Meriden

Authorized Representative: Ms. Peggy Brennan

Title: Director of Economic Development

E-mail Address: pbrennan@ci.meriden.ct.us

Mailing Address: 142 Main Street

City/Town: Meriden

State: CT

Zip Code: 06450-

Business Phone: 860-263-5780

Ext.

Fax: - -

2. Person who will serve as primary technical contact:

Primary Contact: John A. Bondos, Jr.

Firm Name: AECOM

E-mail Address: John.Bondos@AECOM.com

Mailing Address: 500 Enterprise Drive Suite 1A

City/Town: Rocky Hill

State: CT

Zip Code: 06067-

Business Phone: 860-263-5780

Ext.

Fax: 860-263-5777

3. Owner of the parcel:

Name: City of Meriden

E-mail Address:

Mailing Address: 142 East Main Street

City/Town: Meriden

State: CT

Zip Code: 06450-

Business Phone: - -

Ext.

Fax: - -

Site Address: 77 Cooper Street Meriden, CT

Part IV: Site History

1. DEP Program Involvement:

Previous Filings

Type	Date	LEP / DEP Oversight

Verifications

Type	Date	Status

Significant Environmental Hazard (SEH) Notification

Notification Date	Resolution Date
08/06	UNK

Enforcement Action by EPA: Yes No / Enforcement Action by DEP: Yes No

[List Action(s) issued by EPA/DEP in table.]

Number	Type	Date	Responsible Party	Status
SRD-081	Pollution Abatement Order	05/97	BL&A	
SDR-037	Consent Order	1992	Insilco Corporation	

Other DEP involvement: Yes No. [Briefly describe, including timeframes (limit 300 characters)]:

11/19/98: In response to sheen on Harbor Brook CT DEP PCB group collected a soil sample along brook and analyzed for PCBs, TPH, PAHs.

Feb 98: EPA determined that a removal action plan is necessary. In 2006 removal activ. were conducted under DEP guidance.

08/07: EPA conducts asbestos abatement

2. Current and historical RCRA notifier status:

Notifier Status	Time Period	Permit Status

Part VII: Environmental Setting – Cultural

1.a. Surrounding Land Uses (check all that apply):

- Industrial Commercial Residential Agricultural

b. Sensitive Surrounding Land Uses (check all that apply):

- Residential Healthcare Facility School Childcare Facility
 NDDDB site Sensitive Water Resources Recreational

2. Sensitive On-site Land Uses (check all that apply):

- Residential Healthcare Facility School Childcare Facility
 NDDDB site Sensitive Water Resources Recreational

3. Groundwater:

Groundwater classification: GAA GA GB

On-site groundwater use: drinking water agricultural industrial

Distance from the site to the nearest off-site water supply well and the address of the property on which that well is located: >500

Is the on-site water supply well a public water supply regulated by DPH? Yes No

Is the site within the zone of contribution to a public water supply well? Yes No

Is the site within an Aquifer Protection Area? Level A Level B No

4. Public Utilities:

Is public water provided to the site? Yes No

Is public water available to all developed areas surrounding the site? Yes No

Are or have on-site drinking water wells been used at the site? Yes No

If yes, dates in use:

Is the site connected to municipal sewers? Yes No

Have on-site septic systems been used at the site? Yes No

If yes, dates in use:

5. Potential Exposure Pathways:

Receptor Type	Yes	No	Unknown	Date SEH <input type="checkbox"/> bated
Public Well	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Private Well	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Aquifer Protection Area	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Direct Exposure (soil)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Vapor Intrusion	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sediment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Surface Water	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Site Address: 77 Cooper Street Meriden, CT

Part VI: Environmental Setting – Physical

1. Geologic and Hydrogeologic Summary:

Overburden Material: sand, gravel, urban fill

Depth to Water Table: 8 to 14 ft bgs

Bedrock Type: New Haven Arkose

Depth to Bedrock: 46 to 63 ft bgs

Is the seasonal low water table below the elevation of the bedrock surface? Yes No

Horizontal Groundwater Flow Direction: Southeast

Vertical Groundwater Flow Direction: NA

Groundwater Flow Rate: NA

Hydraulic Conductivity: NA

2. Surface Water:

Identify the nearest downgradient surface water body: Harbor Brook

Distance to surface water: 0 feet

Wetland permit ID number:

Surface water classification: B

3. Ecological Considerations (check all that apply):

Further Assessment Needed: Yes No

Ecological Risk Assessment Completed: Yes (Date) No

Part V: Environmental Assessment

1. Phases of environmental investigation / remediation completed to date (provide dates):
Investigation conducted: Phase 1 11/06 Phase 2 03/07 Phase 3 03/07
Remedial design (RAP) part 9/11 Public Notice part 9/11
Remediation initiated (first unit) 2005 Remediation completed (last unit) NA
Post-remedial monitoring initiated NA Natural attenuation monitoring initiated NA
2. Soil Investigation: How many soil samples were analyzed versus the number of samples where pollution was detected? Shallow soil 57/49 Soil >2 feet deep 56/42
3. Soil Vapor Investigation: How many soil vapor samples were analyzed versus the number of samples where pollution was detected? Soil vapor 13/0
4. Sediment Investigation: Completed (Impact No impact)
 Pending Unknown if needed None
5. Groundwater Investigation:
How many sampling points/monitoring wells were used to investigate the groundwater? 7
Number of overburden wells 7 Number of bedrock wells 0
Is there a plume on-site? Yes No
Is the three-dimensional extent of each ground-water plume resulting from releases at the site fully delineated? Yes No
Extent of plume distribution:
Overburden: On-site Off-site NAPL unknown
Bedrock: On-site Off-site NAPL unknown
Potential: On-site Off-site NAPL unknown
How many rounds of sampling have been conducted? 4
6. Surface Water Investigation: Completed (Impact No impact)
 Pending Unknown if needed None
7. Data gap evaluation: Completed Pending
Data gaps remaining: Significant Insignificant None
Briefly describe work remaining to be conducted (limit 500 characters).
Additional assessment of un-investigated AOCs will be conducted as well as delineation of identified impacts. Soil and groundwater remediation will be conducted in accordance with the CT RSRs as needed.

Site Address: 77 Cooper Street Meriden, CT

Part VIII: Contaminants in the Environment

List all AOCs and number of releases detected, including the material and quantities released. For the soil category, list the maximum concentrations of contaminants that reflect **current** site conditions (e.g., concentrations of contaminants in soil remaining after remediation). For groundwater, list **both** the maximum historic **and** maximum current contaminant concentrations. Refer to the examples below and the instructions. See Table 1 in the instructions for contaminant codes. Use the space provided, following the example below. If the space provided on one line is not sufficient, use the line below it to provide additional information.

Example Table:

AOC	Number of Releases Detected	Material and Quantity Released	Date of Release	Phases of Investigation Completed	Current Max COCs in Soil [Sediment] (Soil Vapor)	Historic Max COCs in Overburden / Bedrock Groundwater	Current Max COCs in Overburden / Bedrock Groundwater	COCs in Surface Water	Remediation Status and Date
Example - Tank Farm	2	No. 2 Fuel Oil (500gal) and dichromate wastewater (200gal)	10/4/97 & 7/15/85	I - 10/5/98; II - 7/9/00 III - 6/1/01	ETPH 1,000*ppm (5-6') and Cr 56ppm (5-7')	ETPH 150*ppb (O=5-15')	ETPH <100ppb (O=5-15')	ND	soil removed 9/1/01
Example - Dry Cleaning Machine	1	PCE	Prior to 11/13/98	I - 10/5/98; II - 7/9/00	PCE 500*ppm (0-2')	PCE 50*ppb (B=20-25')	PCE 40*ppb (B=20-25') 1,1DCE 15*ppb	Unknown	further investigation planned
Example - Dumpster	0	---	---	I - 10/5/98; II - 7/9/00	ND	ND	ND	ND	no further action

Key:

*	concentrations in excess of the RSR criteria
ND	not detected
NT	not tested
UNK	unknown
O	overburden
B	bedrock

AOC	Number of Releases Detected	Material and Quantity Released	Date of Release	Phases of Investigation Completed	Current Max COCs in Soil [Sediment] (Soil Vapor)	Historic Max COCs in Overburden / Bedrock Groundwater	Current Max COCs in Overburden / Bedrock Groundwater	COCs in Surface Water	Remediation Status and Date
AOC-2 & SA-U: 1000 gal UST	≥1	Diesel Fuel	unk	I - 4/06 II - 3/07 III - 3/07	NB 17* mg/kg (6-8'), sec-b 9.1 mg/kg (6-8), tBB 0.83 mg/kg (6-8), c12DCE 0.17 mg/kg (6-8'), EBZ 2.4 mg/kg(6-8'), IPB 3.5 mg/kg (6-8), pIPT 15* mg/kg (6-8'), NP 21 mg/kg (6-8'), nPBZ 5.6 mg/kg (6-8'), TL 0.65 mg/kg (6-8'), TCE 0.035 mg/kg (6-8'), 124TMB 37 mg/kg (6-8'), 135TMB 17 mg/kg (6-8')	No MW within AOC or downgradient	No MW within AOC or downgradient	See AOC-12 and 26	Contents of USTs pumped out before 2000
AOC-2 & SA-U: 1000 gal UST	"	" "	" "	" "		" "	" "	" "	" "
AOC-2 & SA-U: 1000 gal UST	"	" "	" "	" "		" "	" "	" "	" "
AOC-2 & SA-U: 1000 gal UST	"	" "	" "	" "	PB 17.9 mg/kg (0-0.5'), Total PAHs 103.8* mg/kg (0-0.5'), ETPH 5300* mg/kg (6-8'), PCBs NT.	" "	" "	" "	" "
AOC-5, SA-W, & SA-V: Two suspected USTs	≥1	Unk	Unk	I - 4/06 II - 3/07 III - 3/07	BZ 0.002 mg/kg (10-12'), NB 1.2 mg/kg (9-11'), sec-b 1.3 mg/kg (9-11'), nPB 0.37 mg/kg (9-11'),	No MW within AOCs or downgradient	No MW within AOC or downgradient	See AOC-12 and 26	One 1000 UST cleaned, one tank grave found in abt

AOC-5, SA-W, &SA-V: Two suspected USTs	"	"	"	"	TCE	"	"	"	"	2005
AOC-5, SA-W, &SA-V: Two suspected USTs	"	"	"	"	0.003 mg/kg (10-12'), Ag 12.7* mg/kg (2-4'), Ba 110 mg/kg (9-11'), Be 0.41 mg/kg (9-11'), Cr 16.4 mg/kg (9-11'), Cu 1190 mg/kg (2-4'), Hg 0.188 mg/kg (2-4'), Ni 348 mg/kg (2-4'), Pb 107 mg/kg (2-4')	"	"	"	"	"
AOC-5, SA-W, &SA-V: Two suspected USTs	"	"	"	"	V 30.6 mg/kg (9-11'), Zn 435 mg/kg (2-4'), Total PAHs 104.7 mg/kg (2-4'), TPH 39900* mg/kg (2')	"	"	"	"	"
AOC-6, SA-R, AOC-14 & AOC-19 (Northern):5 USTs,	≥1	VOCs, PAHs, Metals, ETPH.	Unk	I - 4/06 II - 3/07 III - 3/07	IPB 0.002 mg/kg (7-9'), MC 0.040 mg/kg (5-7'), TCE 0.005 mg/kg (5-7'), Ag 109 mg/kg (2-4'), As 40.4* mg/kg (3.5'), Ba 196 mg/kg (2-4'), Be 0.51 mg/kg (5-7'), Cd 1.4 mg/kg (3.5'), Cr 33.3 mg/kg (2-4'), Cu 2580* mg/kg (2-4'),	All monitoring wells recently installed (abt2007-2009).	VOCs ND, Ba 0.113 mg/L (O=3-13'), CN ND, Cu 0.0081 mg/L (O=3-13'), Ni 0.011 mg/L (O=3-13'),	See AOC-12 and 26	"	Dust piles removed to a depth of 2 ft bgs in 2005.
and Dust Piles	"	"	"	"	As 40.4* mg/kg (3.5'), Ba 196 mg/kg (2-4'), Be 0.51 mg/kg (5-7'), Cd 1.4 mg/kg (3.5'),	"	Zn 0.013 mg/L (O=3-13'), PAHs ND, ETPH 0.140 mg/L (O=3-13')	"	"	"
AOC-6, SA-R, AOC-14 & AOC-19 (Northern):5 USTs,	"	"	"	"	Cr 33.3 mg/kg (2-4'), Cu 2580* mg/kg (2-4'),	"	"	"	"	"

and Dust Piles	"	"	"	"	"	"	"	Hg 0.557 mg/kg (2-4'), Ni 516 mg/kg (3.5'), Pb 936* mg/kg (3.5') Sb 40 mg/kg (3.5'), V 40.2 mg/kg, (2-4'), Zn 1100 mg/kg (3.5'), total PAHs 9.44 mg/kg (2-4'), ETPH 458 mg/kg (2-3.5'), PCBs NT	"	"	"	"	"
AOC-6, SA-R, AOC-14 & AOC-19 (Northern):5 USTs,	"	"	"	"	"	"	"	No Samples Collected	No Samples Collected	No Samples Collected	No Samples Collected	"	"
AOC-9: Two 300K ASTs	Uk	Unk	Unk	I - 4/06				No Samples Collected	No Samples Collected	No Samples Collected	No Samples Collected	See AOC-12 and 26	ASTs were suspected to contain water. No rem. done
AOC-11: 11 55-gallon drums AOC-16 Debris Pile, &	≥1	Unk	Metals and ETPH	I - 4/06 II - 3/07 III - 3/07				VOCs ND, Ag 15.4 mg/kg (0-0.5'), Ba 361 mg/kg (2-4'), Be 1.26 mg/kg (0-0.5'), Cr 33.8 mg/kg (4-6'), Hg 0.167 mg/kg (2-4'), Ni 74.5 mg/kg (8-10'), Pb 481* mg/kg (2-4'), Sb 5.3 mg/kg (2-4'), V 81.7 mg/kg (4-6'), Zn 141 mg/kg (4-6'), PAHs NT, ETPH 1100* mg/gkg (0-0.5'), PCBs NT.	All monitoring wells recently installed (abt 2007-2009).	No monitoring wells recently installed (abt 2007-2009).	VOCs ND, As 0.0041* mg/L (O=4-14'), Ba 0.118 mg/L (O=4-14'), Cu 0.0107 mg/L (O=4-14'), Ni 0.090 mg/L (O=4-14'), Zn 0.056 mg/L (O=4-14'), PAHs ND, CB ND, ETPH ND, PCBs NT.	See AOC-12 and 26	Drums were removed & debris pile was
AOC-15C: Debris Piles	"	"	"	"				No Samples Collected	No Samples Collected	No Samples Collected	No Samples Collected	"	removed in abt 2005
AOC-11, AOC-16, & AOC-15C	"	"	"	"				VOCs ND, Ag 15.4 mg/kg (0-0.5'), Ba 361 mg/kg (2-4'), Be 1.26 mg/kg (0-0.5'), Cr 33.8 mg/kg (4-6'), Hg 0.167 mg/kg (2-4'), Ni 74.5 mg/kg (8-10'), Pb 481* mg/kg (2-4'), Sb 5.3 mg/kg (2-4'), V 81.7 mg/kg (4-6'), Zn 141 mg/kg (4-6'), PAHs NT, ETPH 1100* mg/gkg (0-0.5'), PCBs NT.	All monitoring wells recently installed (abt 2007-2009).	No monitoring wells recently installed (abt 2007-2009).	VOCs ND, As 0.0041* mg/L (O=4-14'), Ba 0.118 mg/L (O=4-14'), Cu 0.0107 mg/L (O=4-14'), Ni 0.090 mg/L (O=4-14'), Zn 0.056 mg/L (O=4-14'), PAHs ND, CB ND, ETPH ND, PCBs NT.	See AOC-12 and 26	"
AOC-12: Harbor Brook Discharge	≥1	Unk	VOCs and metals	I - 4/06 II - 3/07				PCE [0.0943 mg/kg], TCE [0.013 mg/kg],	NA	NA	NA	c12DCE 0.0037 mg/kg,	None

Pipes and AOC-26:					Ag [1.0 mg/kg], As [2.8 mg/kg], Cr 30.3], Cu 116 mg/kg],							TCE 0.0054 mg/kg, PAHs ND, ETPH NT, PCBs ND.	
Contaminated Surface Water and Sediment	"	"	"	"	Hg [0.070 mg/kg], Ni 17 mg/kg], TI [3.5 mg/kg], Zn [164 mg/kg], PAHs ND, ETPH NT, PCBs ND.	"	"	"	"	"	"	"	"
AOC-14&19 Dust Piles and Contaminated Soil (South)	≥1	VOCs, PAHs, Metals, ETPH	Unk	I - 4/06 II - 3/07 III - 3/07	BZ 0.004 mg/kg (2-4'), TCE 0.008 mg/kg (2-4'), Ag 19.7 mg/kg (2-4'),		All monitoring wells recently installed (abt2007-2009).	VOCs ND, Cu 57.8* ug/L (O=5-15') Pb 38.8* ug/L (O=5-15'), Ni 306 ug/L (O=5-15'),		See AOC-12 and 26		Dust piles removed to a depth of 2 ft bgs in 2005.	
AOC-14&19 Dust Piles and Contaminated Soil (South.	"	"	"	"	As 7.1 mg/kg (2-4'), Ba 148 mg/kg (2-4'), Ne 0.53 mg/kg (8-10'),		"	Zn 263* ug/L (O=5-115'), PAHs ND, ETPH 0.130 mg/L (O=5-15'), CN ND, PCBs NT.		"		"	
AOC-14&19 Dust Piles and Contaminated Soil (South)	"	"	"	"	Cr 17.9 mg/kg (2-4'), Cu 15100* mg/kg (2-3.5Hg 0.092 mg/kg(2-4'), Ni 2900 mg/kg(2-3'), Pb 209 mg/kg(2-4)		"	"		"		"	

Site Address: 77 Cooper Street Meriden, CT

Part IX: LEP Information

Licensed Environmental Professional (LEP):

"This form was prepared under my supervision, as a LEP, pursuant to CGS Section 22a-134(17) for Property Transfer and Voluntary Remediation Program sites. My professional services have been rendered in accordance with the 'Rules of Professional Conduct' (Section 22a-133v-6 of the Regulations of Connecticut State Agencies)."

John A. Bondos, Jr.

Signature of LEP

217
LEP #

10/25/11
Date

Print or type LEP Name: John A. Bondos, Jr.

Firm Name: AECOM

E-mail Address: John.Bondos@AECOM.com

Mailing Address: 500 Enterprise Drive Suite 1A

City/Town: Rocky Hill

State: CT Zip Code: 06067-

Business Phone: 860-263-5780

Ext. Fax: 860-263-5777

Part X: Certification

Certifying Party (for purposes of the Property Transfer Act, CGS Section 22a-134a) or Other Party (for purposes of CGS Section 22a-133x or other law):

"I have personally examined and am familiar with the information submitted in this document, and certify that based on reasonable investigation the submitted information is true and accurate to the best of my knowledge and belief."

Lawrence J. Kendzior

10/26/11
Date

Authorized Signature (as specified in instructions)

Lawrence J. Kendzior
Name of Authorized Representative (print or type)

City Manager
Title (if applicable)

Represented Party: City of Meriden

Mailing Address: 142 East Main Street

City/Town: Meriden

State: CT Zip Code: 06450-

Phone: 203-630-4123

STATE OF *Connecticut*
COUNTY OF *New Haven*

SS *Meriden*
Town

The foregoing was subscribed to and sworn to before me this *26* day of *October*, 2011, by *Lawrence Kendzior* (Name of Signatory, Title and Company, if applicable), who personally appeared, and that person, as such, satisfactorily proven to be authorized to do so, executed the foregoing instrument for the purposes therein contained.

Deborah L. Moore
Signature of Notary/Commissioner of Superior Court

Name of Notary/Commissioner of Superior Court
(print or type) *Deborah L. Moore*

My commission expires *1/1*

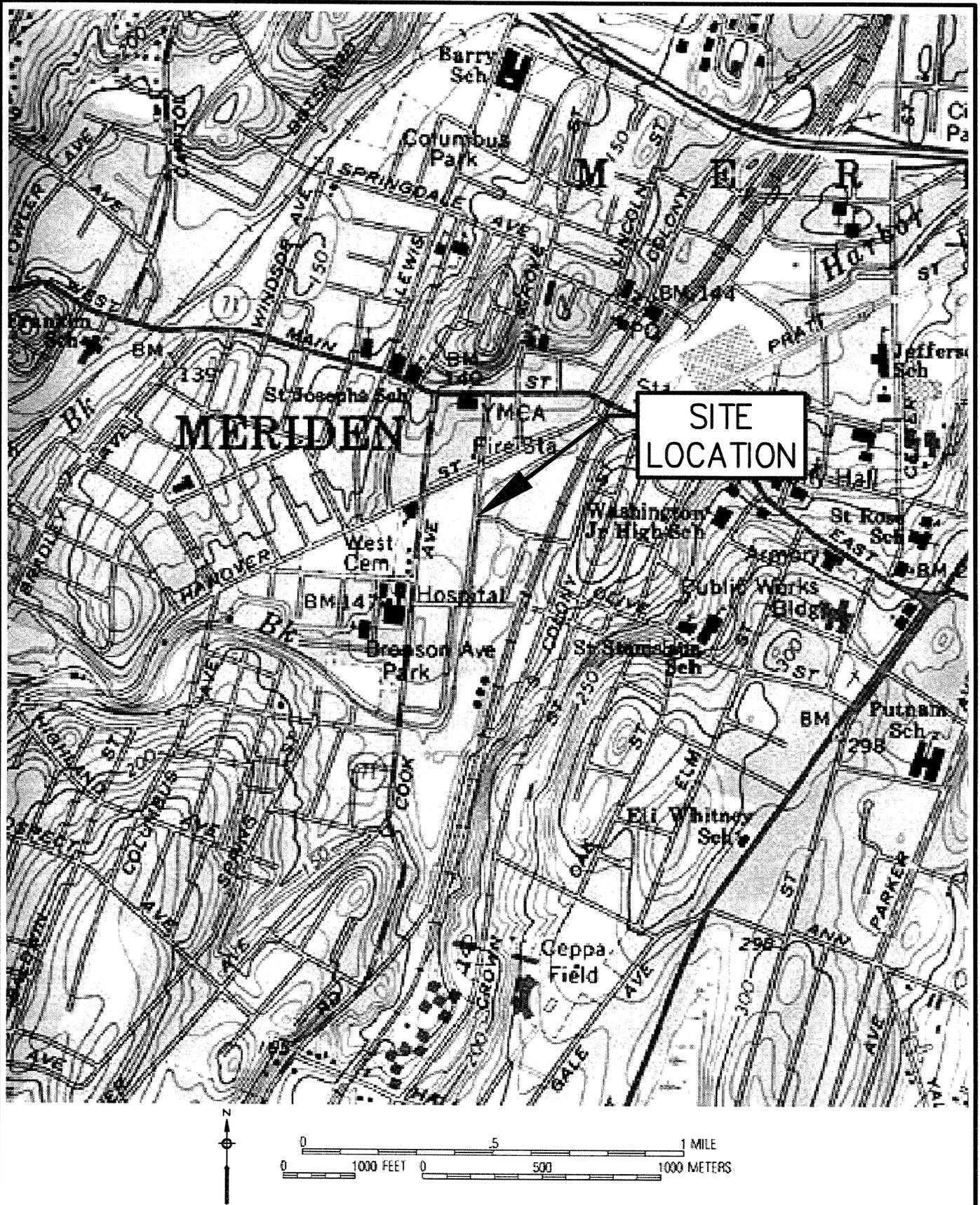


FIGURE 1 - SITE LOCATION MAP
 FORMER INTERNATIONAL SILVER COMPANY SITE
 77 Cooper Street & 104 Butler Street
 Meriden, Connecticut



AS NOTED

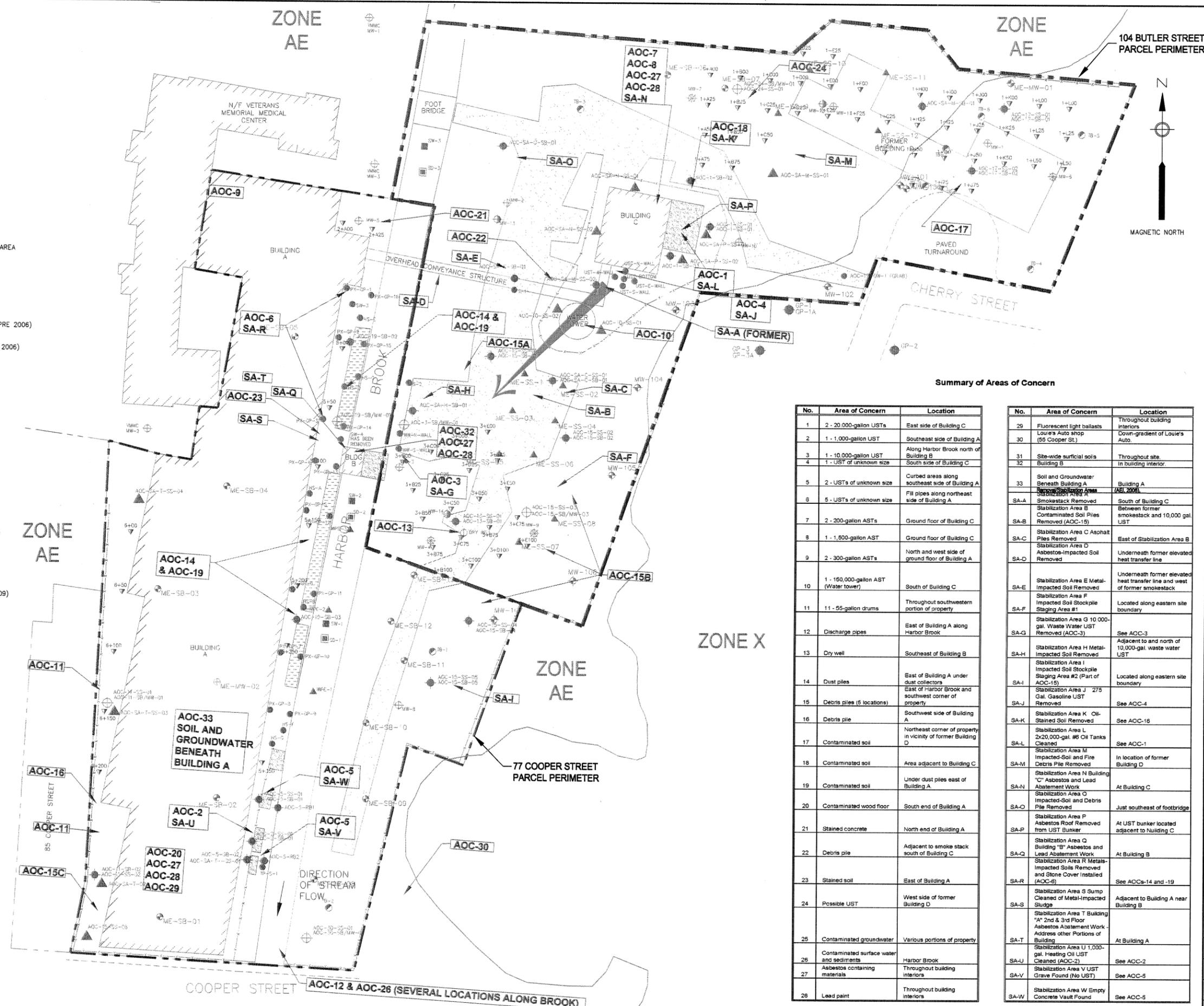
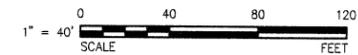
DATE: OCT. 2011

LEGEND:

- APPROXIMATE SITE BOUNDARY
- PARCEL BOUNDARY
- EDGE OF BUILDING/STRUCTURE
- EDGE OF PAVEMENT
- FENCE
- UTILITY POLE
- FIRE HYDRANT
- CONCRETE PAD
- STONE/GRAVEL SURFACE
- FORMER DUST COLLECTOR AND DUST PILE AREA
- DIRECTION OF STREAM FLOW
- MW-# ○ DESTROYED/NOT FOUND OVERBURDEN MONITORING WELL (PRE 2006)
- MW-# ○ SHALLOW OVERBURDEN MONITORING WELL (PRE 2006)
- MW-# ○ DEEP OVERBURDEN MONITORING WELL (PRE 2006)
- SB-# ○ SOIL BORING LOCATION (HRP, 1988)
- WPE-# ○ RETAINING WALL WIPE SAMPLE LOCATION (WESTON, 1999)
- SD-# ○ SEDIMENT AND SURFACE WATER SAMPLING LOCATION (WESTON, 1999)
- SR-# ○ SEDIMENT SAMPLE LOCATION (HRP, 1988)
- PR-GP-# ○ SOIL SAMPLING LOCATION (AEI, 2006)
- AOC-#-SS-# ○ SOIL BORING AND/OR SOIL BORING AND SURFICIAL SOIL SAMPLE (M&E, 2006) OR SOIL VAPOR AND GROUNDWATER SAMPLING LOCATION (CTDEP, 2007)
- AOC-#-SB/MW-# ○ SOIL BORING/MONITORING WELL (M&E, 2006)
- AOC-SA-#-SS-# ○ SURFICIAL SOIL SAMPLE (M&E, 2006)
- ME-SB-# ○ SOIL BORING (AECOM, 2009)
- ME-MW-# ○ SOIL BORING/MONITORING WELL (AECOM, 2009)
- ME-MW-# ○ MONITORING WELL (AECOM, 2009)
- ME-SS-# ○ SURFICIAL SOIL SAMPLE (AECOM, 2009)
- 1+25 ○ SOIL VAPOR AND GROUNDWATER LOCATION (CTDEP, 2007)
- FEMA FLOODPLAIN LINE
- 100 YEAR FLOODPLAIN AREA
- AREAS DETERMINED TO BE OUTSIDE THE 500 YEAR FLOODPLAIN
- INFERRED GROUNDWATER FLOW DIRECTION

MAP REFERENCES/NOTES:

1. AREAS OF CONCERN WERE GENERALLY OBTAINED FROM WESTON REPORT (WESTON, SEPT. 1999) AND CTDEP FACTORY H REMOVAL/STABILIZATION AREAS SKETCH (AEI, JAN. 2006).
2. 2009 BORING LOCATIONS SURVEYED BY NAFIS & YOUNG ENGINEERS, APRIL 2009 (WITH THE EXCEPTION OF ME-SB-02)
3. M&E (2006) AND AECOM (2009) LOCATIONS WERE SURVEYED UNLESS NOTED OTHERWISE.
4. SAMPLE LOCATIONS AOC-5-RB1, AOC-5-RB2, AOC-SA-M-SS-01, AND ME-SB-02 ARE ESTIMATED.



Summary of Areas of Concern

No.	Area of Concern	Location
1	2 - 20,000-gallon USTs	East side of Building C
2	1 - 1,000-gallon UST	Southeast side of Building A
3	1 - 10,000-gallon UST	Along Harbor Brook north of Building B
4	1 - UST of unknown size	South side of Building C
5	2 - USTs of unknown size	Curbed areas along southeast side of Building A
6	5 - USTs of unknown size	Fill pipes along northeast side of Building A
7	2 - 200-gallon ASTs	Ground floor of Building C
8	1 - 1,500-gallon AST	Ground floor of Building C
9	2 - 300-gallon ASTs	North and west side of ground floor of Building A
10	1 - 150,000-gallon AST (Water tower)	South of Building C
11	11 - 55-gallon drums	Throughout southwestern portion of property
12	Discharge pipes	East of Building A along Harbor Brook
13	Dry well	Southeast of Building B
14	Dust piles	East of Building A under dust collectors
15	Debris piles (5 locations)	East of Harbor Brook and southwest corner of property
16	Debris pile	Southwest side of Building A
17	Contaminated soil	Northeast corner of property in vicinity of former Building D
18	Contaminated soil	Area adjacent to Building C
19	Contaminated soil	Under dust piles east of Building A
20	Contaminated wood floor	South end of Building A
21	Stained concrete	North end of Building A
22	Debris pile	Adjacent to smoke stack south of Building C
23	Stained soil	East of Building A
24	Possible UST	West side of former Building D
25	Contaminated groundwater	Various portions of property
26	Contaminated surface water and sediments	Harbor Brook
27	Asbestos containing materials	Throughout building interiors
28	Lead paint	Throughout building interiors

No.	Area of Concern	Location
29	Fluorescent light ballasts	Throughout building interiors
30	Louie's Auto shop (55 Cooper St.)	Down-gradient of Louie's Auto.
31	Site-wide surficial soils	Throughout site
32	Building B	In building interior
33	Soil and Groundwater Beneath Building A (AEI, 2006)	Building A
SA-A	Stabilization Area A	South of Building C
SA-B	Stabilization Area B Contaminated Soil Piles Removed (AOC-15)	Between former smokstack and 10,000 gal UST
SA-C	Stabilization Area C Asphalt Piles Removed	East of Stabilization Area B
SA-D	Stabilization Area D Asbestos-impacted Soil Removed	Underneath former elevated heat transfer line
SA-E	Stabilization Area E Metal-impacted Soil Removed	Underneath former elevated heat transfer line and west of former smokstack
SA-F	Stabilization Area F Impacted Soil Stockpile Staging Area #1	Located along eastern site boundary
SA-G	Stabilization Area G 10,000-gal. Waste Water UST Removed (AOC-3)	See AOC-3
SA-H	Stabilization Area H Metal-impacted Soil Removed	Adjacent to and north of 10,000-gal. waste water UST
SA-I	Stabilization Area I Impacted Soil Stockpile Staging Area #2 (Part of AOC-15)	Located along eastern site boundary
SA-J	Stabilization Area J 275 Gal. Gasoline UST Removed	See AOC-4
SA-K	Stabilization Area K Oil-Stained Soil Removed	See AOC-18
SA-L	Stabilization Area L 2x20,000-gal. #6 Oil Tanks Cleaned	See AOC-1
SA-M	Stabilization Area M Impacted Soil and Fire Debris Pile Removed	In location of former Building D
SA-N	Stabilization Area N Building "C" Asbestos and Lead Abatement Work	At Building C
SA-O	Stabilization Area O Impacted Soil and Debris Pile Removed	Just southeast of footbridge
SA-P	Stabilization Area P Asbestos Roof Removed from UST Bunker	At UST bunker located adjacent to Building C
SA-Q	Stabilization Area Q Building "B" Asbestos and Lead Abatement Work	At Building B
SA-R	Stabilization Area R Metals-impacted Soils Removed and Stone Cover Installed (AOC-6)	See AOCs-14 and -19
SA-S	Stabilization Area S Sump Cleaned of Metal-impacted Sludge	Adjacent to Building A near Building B
SA-T	Stabilization Area T Building "A" 2nd & 3rd Floor Asbestos Abatement Work - Address other Portions of Building	At Building A
SA-U	Stabilization Area U 1,000-gal. Heating Oil UST Cleaned (AOC-2)	See AOC-2
SA-V	Stabilization Area V UST Grave Found (No UST)	See AOC-5
SA-W	Stabilization Area W Empty Concrete Vault Found	See AOC-5

DRN BY:	DES BY:	CHK BY:	APP BY:	REV:	DESCRIPTION:

AECOM

500 Enterprise Drive, Suite 1A
Rocky Hill, CT 06067-5729
T 860.263.6800 F 860.263.5777
WWW.AECOM.COM

**CITY OF MERIDEN - FACTORY H
77 COOPER STREET & 104 BUTLER STREET
MERIDEN, CONNECTICUT 06451**

**AREAS OF CONCERN MAP
AND REMOVAL/STABILIZATION AREA MAP**

DATE (M/Y) AUGUST 2011

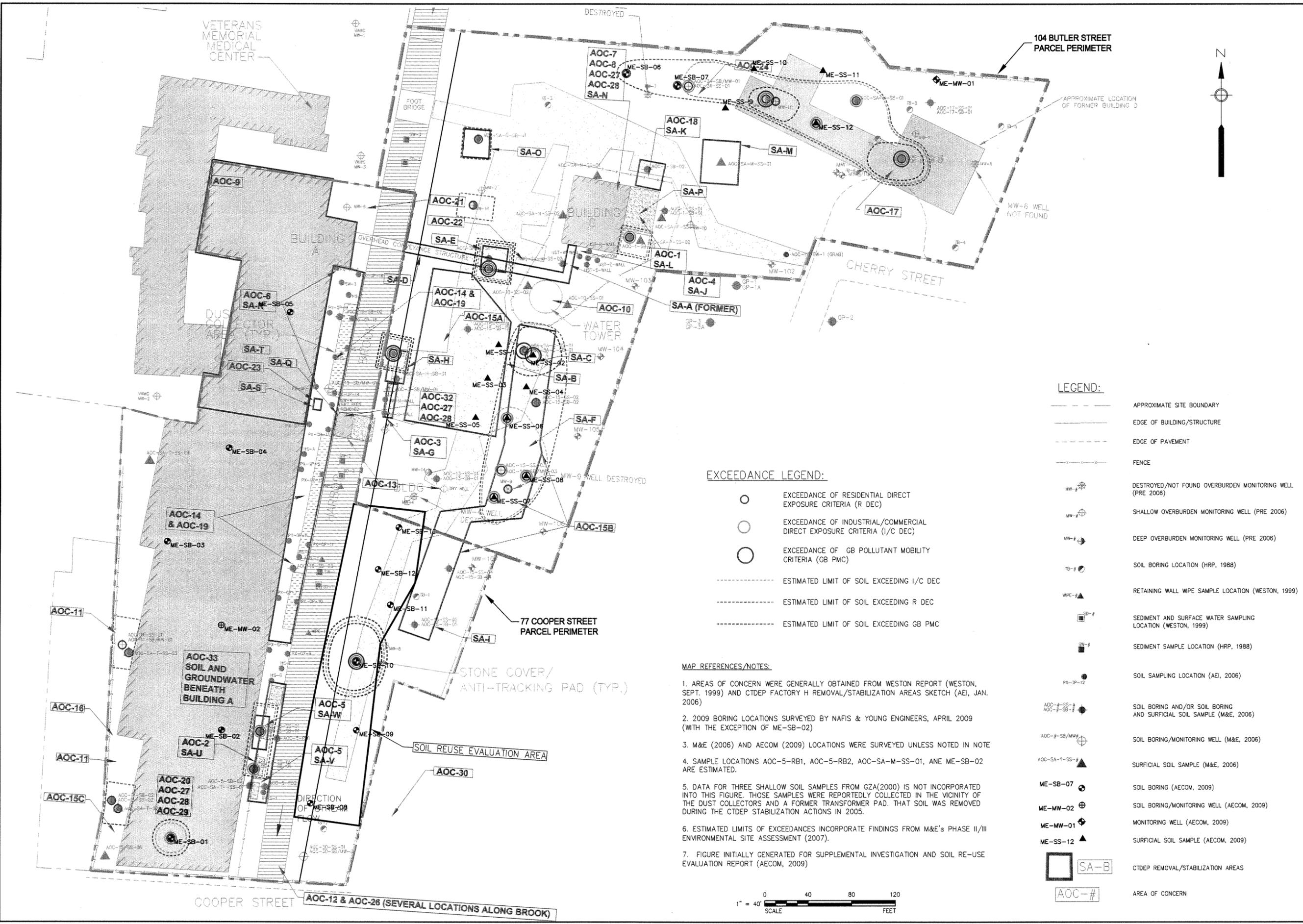
PROJECT NO. 60148468

FILENAME CZMER001 aocs.dwg

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Plotted By: Jay
 Plot File Date Created: Aug/05/2011 3:58 PM
 Layout - Sheet Name: ECAF - FIG 5
 Filename: S:\CLIENTS\AECOM\60148468-MER\C\CAAF\CZMER004.DWG



- LEGEND:**
- APPROXIMATE SITE BOUNDARY
 - EDGE OF BUILDING/STRUCTURE
 - EDGE OF PAVEMENT
 - FENCE
 - MW-# (circle with cross) DESTROYED/NOT FOUND OVERBURDEN MONITORING WELL (PRE 2006)
 - MW-# (circle with dot) SHALLOW OVERBURDEN MONITORING WELL (PRE 2006)
 - MW-# (circle with triangle) DEEP OVERBURDEN MONITORING WELL (PRE 2006)
 - TB-# (circle with cross) SOIL BORING LOCATION (HRP, 1988)
 - WPE-# (triangle) RETAINING WALL WIPE SAMPLE LOCATION (WESTON, 1999)
 - SW-# (square) SEDIMENT AND SURFACE WATER SAMPLING LOCATION (WESTON, 1999)
 - SW-# (square) SEDIMENT SAMPLE LOCATION (HRP, 1988)
 - PX-GP-12 (circle) SOIL SAMPLING LOCATION (AEI, 2006)
 - AOC-#-SB-# (circle) SOIL BORING AND/OR SOIL BORING AND SURFICIAL SOIL SAMPLE (M&E, 2006)
 - AOC-#-SB/MW# (circle) SOIL BORING/MONITORING WELL (M&E, 2006)
 - AOC-SA-?-SS-# (triangle) SURFICIAL SOIL SAMPLE (M&E, 2006)
 - ME-SB-07 (circle) SOIL BORING (AECOM, 2009)
 - ME-MW-02 (circle) SOIL BORING/MONITORING WELL (AECOM, 2009)
 - ME-MW-01 (circle) MONITORING WELL (AECOM, 2009)
 - ME-SS-12 (triangle) SURFICIAL SOIL SAMPLE (AECOM, 2009)
 - SA-B (square) CTDEP REMOVAL/STABILIZATION AREAS
 - AOC-# (square) AREA OF CONCERN

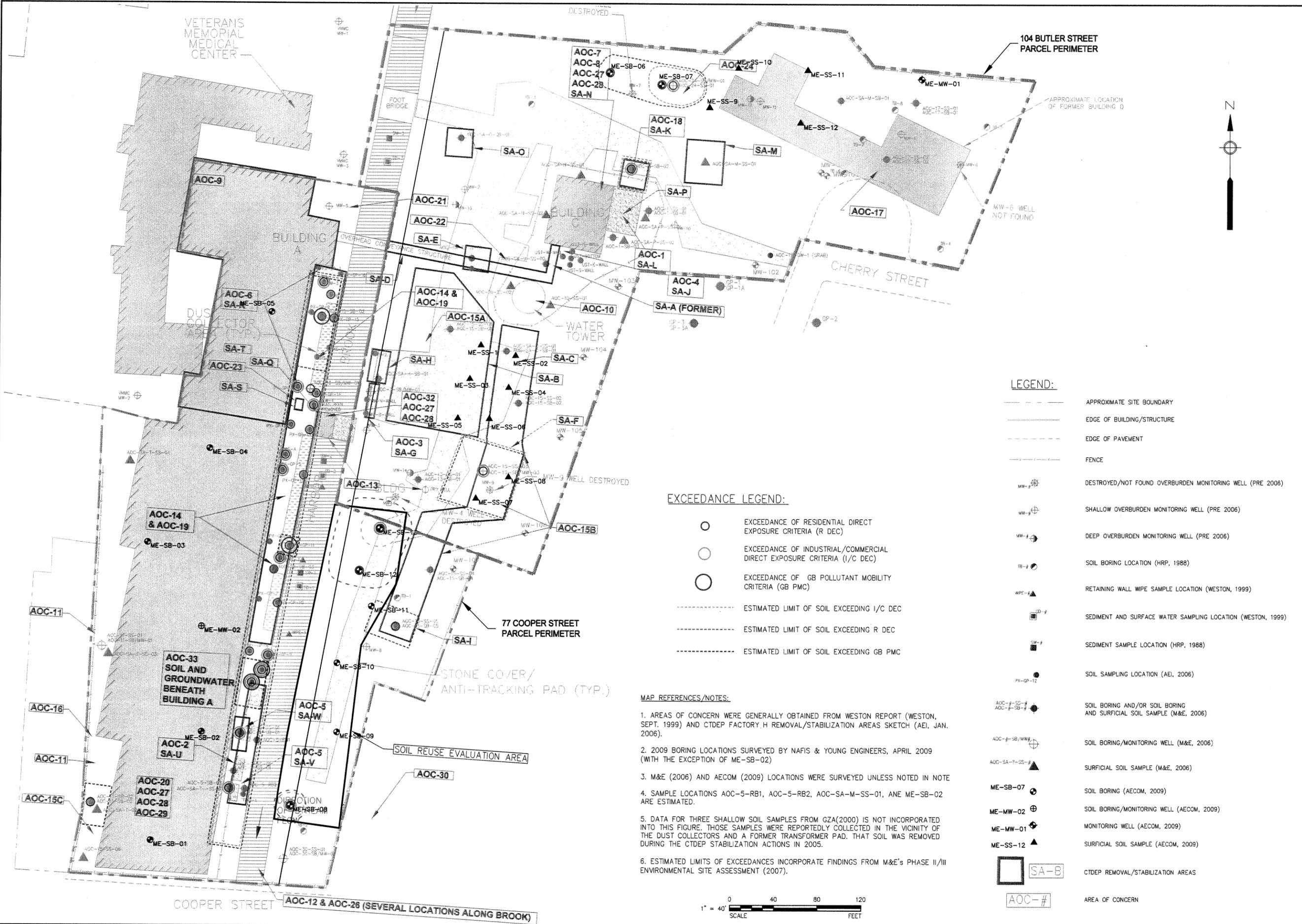
- EXCEEDANCE LEGEND:**
- EXCEEDANCE OF RESIDENTIAL DIRECT EXPOSURE CRITERIA (R DEC)
 - EXCEEDANCE OF INDUSTRIAL/COMMERCIAL DIRECT EXPOSURE CRITERIA (I/C DEC)
 - EXCEEDANCE OF GB POLLUTANT MOBILITY CRITERIA (GB PMC)
 - ESTIMATED LIMIT OF SOIL EXCEEDING I/C DEC
 - ESTIMATED LIMIT OF SOIL EXCEEDING R DEC
 - ESTIMATED LIMIT OF SOIL EXCEEDING GB PMC

- MAP REFERENCES/NOTES:**
- AREAS OF CONCERN WERE GENERALLY OBTAINED FROM WESTON REPORT (WESTON, SEPT. 1999) AND CTDEP FACTORY H REMOVAL/STABILIZATION AREAS SKETCH (AEI, JAN. 2006)
 - 2009 BORING LOCATIONS SURVEYED BY NAFIS & YOUNG ENGINEERS, APRIL 2009 (WITH THE EXCEPTION OF ME-SB-02)
 - M&E (2006) AND AECOM (2009) LOCATIONS WERE SURVEYED UNLESS NOTED IN NOTE
 - SAMPLE LOCATIONS AOC-5-RB1, AOC-5-RB2, AOC-SA-M-SS-01, ANE ME-SB-02 ARE ESTIMATED.
 - DATA FOR THREE SHALLOW SOIL SAMPLES FROM GZA(2000) IS NOT INCORPORATED INTO THIS FIGURE. THOSE SAMPLES WERE REPORTEDLY COLLECTED IN THE VICINITY OF THE DUST COLLECTORS AND A FORMER TRANSFORMER PAD. THAT SOIL WAS REMOVED DURING THE CTDEP STABILIZATION ACTIONS IN 2005.
 - ESTIMATED LIMITS OF EXCEEDANCES INCORPORATE FINDINGS FROM M&E'S PHASE II/III ENVIRONMENTAL SITE ASSESSMENT (2007).
 - FIGURE INITIALLY GENERATED FOR SUPPLEMENTAL INVESTIGATION AND SOIL RE-USE EVALUATION REPORT (AECOM, 2009)



VERIFY SCALE IF PLAN SHEET IS REDUCED		DRN	CHK	DATE (MDY)
DRN BY:	DES BY:	CHK BY:	APP BY:	REV
AECOM 500 Enterprise Drive, Suite 1A Rocky Hill, CT 06067-5729 T 860.263.5900 F 860.263.5777 WWW.AECOM.COM		CITY OF MERIDEN - FACTORY H 77 COOPER STREET & 104 BUTLER STREET MERIDEN, CONNECTICUT 06451		
		DATE (M/Y)	OCT 2011	
PROJECT NO.	60148468			
FILENAME	CZMER004.dwg			
DRAWING NO.	3			

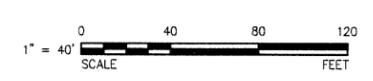
Plotted By: Joy
 Plot File Date: Aug/05/2011 3:59 PM
 Layout-Sheet Name: ECAF - FIG 6
 Filename: S:\CLIENTS\AECOM\60148468-MER\CF\CA\GZMER005.DWG



- LEGEND:**
- APPROXIMATE SITE BOUNDARY
 - EDGE OF BUILDING/STRUCTURE
 - EDGE OF PAVEMENT
 - FENCE
 - DESTROYED/NOT FOUND OVERBURDEN MONITORING WELL (PRE 2006)
 - SHALLOW OVERBURDEN MONITORING WELL (PRE 2006)
 - DEEP OVERBURDEN MONITORING WELL (PRE 2006)
 - SOIL BORING LOCATION (HRP, 1988)
 - ▲ RETAINING WALL WIPE SAMPLE LOCATION (WESTON, 1999)
 - SEDIMENT AND SURFACE WATER SAMPLING LOCATION (WESTON, 1999)
 - SEDIMENT SAMPLE LOCATION (HRP, 1988)
 - SOIL SAMPLING LOCATION (AEI, 2006)
 - SOIL BORING AND/OR SOIL BORING AND SURFICIAL SOIL SAMPLE (M&E, 2006)
 - SOIL BORING/MONITORING WELL (M&E, 2006)
 - ▲ SURFICIAL SOIL SAMPLE (M&E, 2006)
 - SOIL BORING (AECOM, 2009)
 - SOIL BORING/MONITORING WELL (AECOM, 2009)
 - MONITORING WELL (AECOM, 2009)
 - ▲ SURFICIAL SOIL SAMPLE (AECOM, 2009)
 - SA-B CTDEP REMOVAL/STABILIZATION AREAS
 - AOC-# AREA OF CONCERN

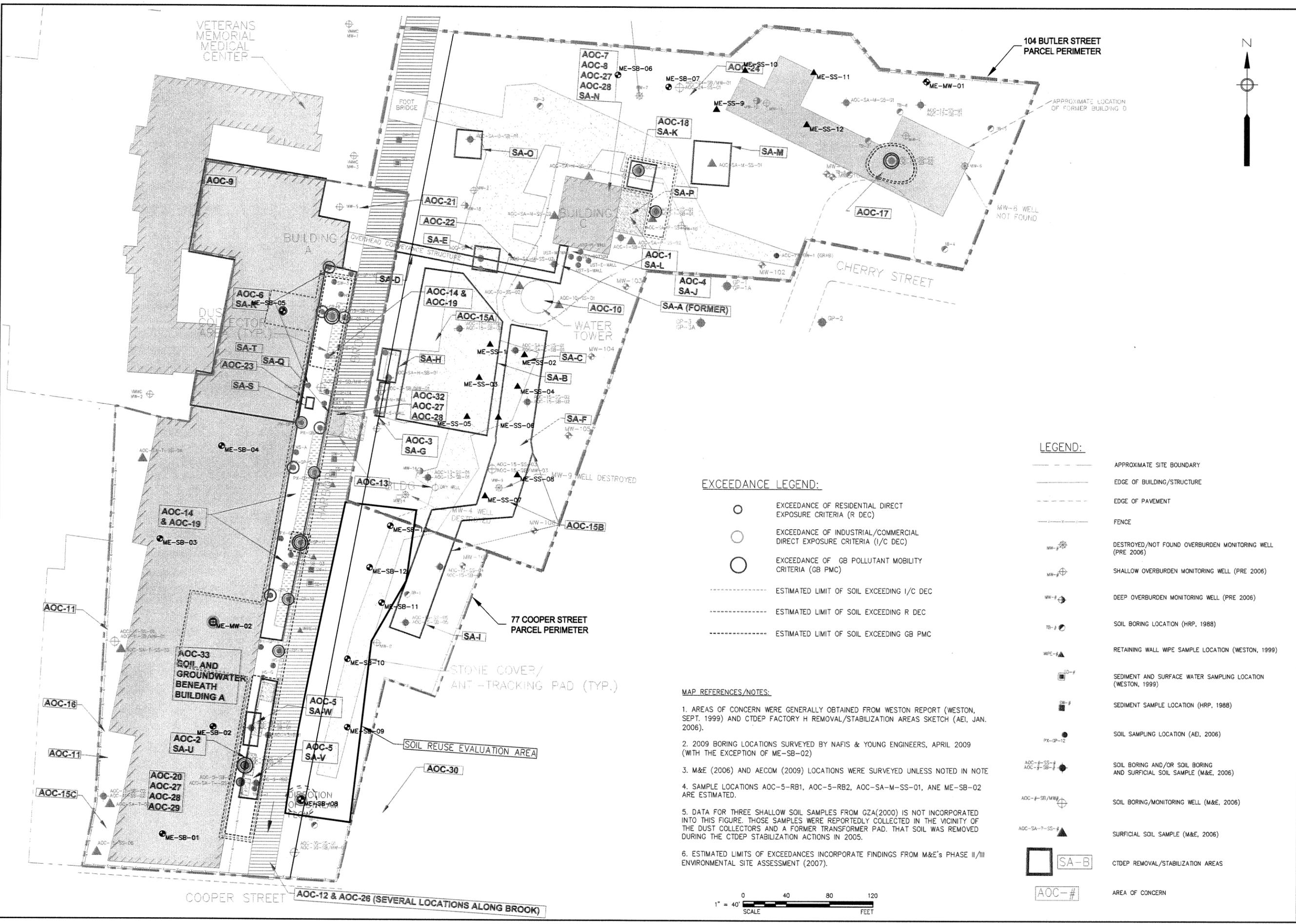
- EXCEEDANCE LEGEND:**
- EXCEEDANCE OF RESIDENTIAL DIRECT EXPOSURE CRITERIA (R DEC)
 - EXCEEDANCE OF INDUSTRIAL/COMMERCIAL DIRECT EXPOSURE CRITERIA (I/C DEC)
 - EXCEEDANCE OF GB POLLUTANT MOBILITY CRITERIA (GB PMC)
 - ESTIMATED LIMIT OF SOIL EXCEEDING I/C DEC
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- MAP REFERENCES/NOTES:**
- AREAS OF CONCERN WERE GENERALLY OBTAINED FROM WESTON REPORT (WESTON, SEPT. 1999) AND CTDEP FACTORY H REMOVAL/STABILIZATION AREAS SKETCH (AEI, JAN. 2006).
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 - M&E (2006) AND AECOM (2009) LOCATIONS WERE SURVEYED UNLESS NOTED IN NOTE
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 - ESTIMATED LIMITS OF EXCEEDANCES INCORPORATE FINDINGS FROM M&E'S PHASE II/III ENVIRONMENTAL SITE ASSESSMENT (2007).



CITY OF MERIDEN - FACTORY H 77 COOPER STREET & 104 BUTLER STREET MERIDEN, CONNECTICUT 06451		AECOM 500 Enterprise Drive, Suite 1A Rocky Hill, CT 06067-5729 T 860.283.6600 F 860.283.5777 WWW.AECOM.COM									
FIGURE 6 - SOIL SAMPLES (2'-4' BGS) EXCEEDING RSR CRITERIA		DATE (M/Y) OCT 2011									
PROJECT NO. 60148468		FILENAME GZMER005.dwg									
DRAWING NO. 4		<table border="1"> <tr> <th>REV</th> <th>DESCRIPTION</th> <th>CHK</th> <th>DATE (M/Y)</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>		REV	DESCRIPTION	CHK	DATE (M/Y)				
REV	DESCRIPTION	CHK	DATE (M/Y)								

Plotted By: Joy
 Plot File Date Created: Aug/05/2011 3:59 PM
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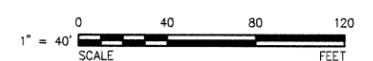
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- EDGE OF BUILDING/STRUCTURE
- EDGE OF PAVEMENT
- FENCE
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- MW-# (with circle) SHALLOW OVERBURDEN MONITORING WELL (PRE 2006)
- MW-# (with square) DEEP OVERBURDEN MONITORING WELL (PRE 2006)
- TR-# SOIL BORING LOCATION (HRP, 1988)
- WPE-# RETAINING WALL WPE SAMPLE LOCATION (WESTON, 1999)
- SD-# SEDIMENT AND SURFACE WATER SAMPLING LOCATION (WESTON, 1999)
- SL-# SEDIMENT SAMPLE LOCATION (HRP, 1988)
- PX-GP-# SOIL SAMPLING LOCATION (AEI, 2006)
- AOC-#-SS-# SOIL BORING AND/OR SOIL BORING AND SURFICIAL SOIL SAMPLE (M&E, 2006)
- AOC-#-SB/MW-# SOIL BORING/MONITORING WELL (M&E, 2006)
- AOC-SA-#-SS-# SURFICIAL SOIL SAMPLE (M&E, 2006)
- SA-B CTDEP REMOVAL/STABILIZATION AREAS
- AOC-# AREA OF CONCERN

EXCEEDANCE LEGEND:

- EXCEEDANCE OF RESIDENTIAL DIRECT EXPOSURE CRITERIA (R DEC)
- EXCEEDANCE OF INDUSTRIAL/COMMERCIAL DIRECT EXPOSURE CRITERIA (I/C DEC)
- EXCEEDANCE OF GB POLLUTANT MOBILITY CRITERIA (GB PMC)
- ESTIMATED LIMIT OF SOIL EXCEEDING I/C DEC
- ESTIMATED LIMIT OF SOIL EXCEEDING R DEC
- ESTIMATED LIMIT OF SOIL EXCEEDING GB PMC

MAP REFERENCES/NOTES:

1. AREAS OF CONCERN WERE GENERALLY OBTAINED FROM WESTON REPORT (WESTON, SEPT. 1999) AND CTDEP FACTORY H REMOVAL/STABILIZATION AREAS SKETCH (AEI, JAN. 2006).
2. 2009 BORING LOCATIONS SURVEYED BY NAFIS & YOUNG ENGINEERS, APRIL 2009 (WITH THE EXCEPTION OF ME-SB-02)
3. M&E (2006) AND AECOM (2009) LOCATIONS WERE SURVEYED UNLESS NOTED IN NOTE
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6. ESTIMATED LIMITS OF EXCEEDANCES INCORPORATE FINDINGS FROM M&E'S PHASE II/III ENVIRONMENTAL SITE ASSESSMENT (2007).



AECOM		500 Enterprise Drive, Suite 1A Rocky Hill, CT 06067-5728 T 860.263.5800 F 860.263.5777 WWW.AECOM.COM	
CITY OF MERIDEN - FACTORY H			
77 COOPER STREET & 104 BUTLER STREET			
MERIDEN, CONNECTICUT 06451			
DATE (M/Y)	OCT 2011		
PROJECT NO.	60148468		
FILENAME	CZMER006.dwg		
DRAWING NO.	5		

Sample ID #: PH-00-057-A-110

Lab # 17714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Section III, ~~Room~~ 2nd FL
Bldg A. Main
Int. Silver G. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Window Glaze</u>

Collected by: T.O.B.

Analyzed by: J. Cardone

Date: 2-10-00

Date: 2/24/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<u>beige / linear cementitious</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>7% cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>93% Particulate</u>		
Total % Asbestos (sample)	<u>0%</u>		

Comments:

Bulk Asbestos Analysis Report

Enviromed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: 2H-00-057-A-111

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Section III, Exterior 2nd FL
Bldg A, Main
Int. Site C, Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Window Glaze</u>

Collected by: T.O.B.

Analyzed by: J. G. [Signature]

Date: 2-10-00

Date: 2/24/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<u>beige/brown fibrous</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o.l.m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>6% cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>94% particulate</u>		
Total % Asbestos (sample)	<u>0%</u>		

Comments:

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
 The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Bulk Asbestos Analysis Report

Enviromed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: ZH-00-057-A-112

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Section II, Exterior 2nd FL
Bldg A. Main
Int. Site: Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Window Glaze</u>

Collected by: T.O.B.

Analyzed by: J. Cefore

Date: 2-10-00

Date: 2/24/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)	<u>grey clustures</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>50% cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>95% particulate</u>		
Total % Asbestos (sample)		<u>0%</u>	

Comments:

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
 The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Sample ID #: IH-00-057-A-113

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Section II, Exterior - 2nd Fl
Bldg A. Main
Int. S. Inc. Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Window Glaze</u>

Collected by: T.O.B.

Analyzed by: J. Cedeno

Date: 2-10-00

Date: 2/24/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<u>beige cementitious</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>5% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>95% Particulate</u>		
Total % Asbestos (sample)		<u>0%</u>	

Comments: _____
 NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
 The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Sample ID #: PH-00-057-A/19 **QC**

Lab # 14714 **QC**

Client Name, Address: GZA Environmental

Sample Location: (Including Room, Building) _____
Int. Site Co. Loper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.
 Date: 2-10-00

Analyzed by: [Signature]
 Date: 2/24/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>white fibrous</u>		
Type of Asbestos Present	<u>Chrysotile</u>		
Percent Asbestos	<u>40%</u>		
Morphology	<u>Wavy</u>		
Refractive Index	<u>1.54</u>		
Parallel/Perpendicular	<u>11/15</u>		
Dispersion Colors	<u>Blue</u>		
Parallel/Perpendicular	<u>11 magenta</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>19</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color)	<u>H</u>		
Parallel/Perpendicular	<u>H</u>		
Birefringence (o.l.m.h)	<u>1</u>		
Type(s) of Non-Asbestos Fibers Present (and %)	<u>10% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>50% Particulate</u>		
Total % Asbestos (sample)	<u>40% Chrysotile</u>		

Comments: QC # 19

Sample ID #: 7H-00-057-A42 **QC**

Lab # 14714 **QC**

Client Name, Address: GZA Environmental

Sample Location: (Including Room, Building) Int. Silver Co. Lumber St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.
 Date: 2-10-00

Analyzed by: [Signature]
 Date: 7/24/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)	<u>White Cementitious</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o,i,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>5% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>95% Particulate</u>		
Total % Asbestos (sample)	<u>0%</u>		

Comments: QC # 42

Sample ID #: 2H-00-057-50A QOC

Lab # 14714 PC

Client Name, Address: GZA Environmental

Sample Location: (Including Room, Building) _____
Int. 31st G. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.
 Date: 2-10-00

Analyzed by: Cynthia Sampliner
 Date: 2/27/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)	<u>Red / Fib</u>		
Type of Asbestos Present	<u>Chrysotile</u>		
Percent Asbestos	<u>8%</u>		
Morphology	<u>Acicular</u>		
Refractive Index	<u>1.540</u>		
Parallel/Perpendicular	<u>1.535</u>		
Dispersion Colors	<u>17 magenta</u>		
Parallel/Perpendicular	<u>17 magenta</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>P</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color)	<u>N</u>		
Parallel/Perpendicular	<u>N</u>		
Birefringence (o.l.m.h)	<u>N</u>		
Type(s) of Non-Asbestos Fibers Present (and %)	<u>10% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>82% Particulate</u>		
Total % Asbestos (sample)	<u>8% Chrysotile</u>		

Comments: QC # 50A

Sample ID #: 7H-00-057-06A PC

Lab # 14714

Client Name, Address: GZA Environmental

Sample Location: (Including Room, Building) _____
Int. Silver Co. Loper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: [Signature]

Date: 2-10-00

Date: 2/24/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)	X		
Gross Appearance (color, texture)	<u>Black fibers</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>10% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>90% Portlandite</u>		
Total % Asbestos (sample)	<u>0%</u>		

Comments: PC #06

Sample ID #: 7H-00-057-76AQC

Lab # 17714 **QC**

Client Name, Address: GZA Environmental

Sample Location: (Including Room, Building) Int. Silver C. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.
 Date: 2-10-00

Analyzed by: Arthur S. [Signature]
 Date: 2/24/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)	X		
Gross Appearance (color, texture)	Black fibers		
Type of Asbestos Present			
Percent Asbestos	0.1		
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	15% - [Signature]		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	85% - [Signature]		
Total % Asbestos (sample)	0.1%		

Comments: QC # 11/6

Bulk Asbestos Analysis Report

EnviroMed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: 74-00-057-88A PC

Lab # 17714 PC

Client Name, Address: GZA Environmental

Sample Location: (Including Room, Building) _____

Int. Silver C. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>X Roofing 1st fl.</u>

Collected by: T.O.B.

Analyzed by: Thuy Chamberland

Date: 2-10-00

Date: 2/24/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>Black fibrous</u>		
Type of Asbestos Present	<u>Chrysotile</u>		
Percent Asbestos	<u>3%</u>		
Morphology	<u>wavy</u>		
Refractive Index Parallel/Perpendicular	<u>1.556 / 1.547</u>		
Dispersion Colors Parallel/Perpendicular	<u>Magenta / Blue</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>P</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color) Parallel/Perpendicular	<u>N</u>		
Birefringence (o.l.m.h)	<u>L</u>		
Type(s) of Non-Asbestos Fibers Present (and %)	<u>10% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>87% par:to</u>		
Total % Asbestos (sample)	<u>3% Chrysotile</u>		

Comments: PC # 88A

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

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Sample ID #: PH-00-057-100A **QC**

Lab # 14714 **QC**

Client Name, Address: GZA Environmental

Sample Location: (Including Room, Building) Int. 3rd G. Lower St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Skylight window rough</u>

Collected by: T.O.B.
 Date: 2-10-00

Analyzed by: Therese Chamberland
 Date: 2/24/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)	<u>Gray cementitious</u>		
Type of Asbestos Present	<u>Chrysotile</u>		
Percent Asbestos	<u>10%</u>		
Morphology	<u>wavy</u>		
Refractive Index Parallel/Perpendicular	<u>1.556 / 1.547</u>		
Dispersion Colors Parallel/Perpendicular	<u>Magenta / Blue</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>P</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color) Parallel/Perpendicular	<u>N</u>		
Birefringence (o.l.m.h)	<u>L</u>		
Type(s) of Non-Asbestos Fibers Present (and %)	<u>10% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>80% particulate</u>		
Total % Asbestos (sample)	<u>10% Chrysotile</u>		

Comments: QC # 100

Sample ID #: IH-00-057-C-1

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) Boiler Floor
Boiler House (Bldg. C)
International Silver Co, Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation: <u>X</u> <u>2"</u>	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: Cynthia J. Davis

Date: 2-9-00

Date: 3/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)	<u>//</u>		
Gross Appearance (color, texture)	<u>white wavy</u>		
Type of Asbestos Present	<u>Chrysotile</u>		
Percent Asbestos			
Morphology	<u>wavy</u>		
Refractive Index Parallel/Perpendicular	<u>1.587</u>		
Dispersion Colors Parallel/Perpendicular	<u>+ Blue</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>sp</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color) Parallel/Perpendicular	<u>H</u>		
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>15% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>35% Potassium</u>		
Total % Asbestos (sample)	<u>50% Chrysotile</u>		

Comments: _____

Sample ID #: IH-00-057-C-2

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) Boiler Floor
Boiler House (Bldg. C)
International Silver Co, Corp. St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation: <u>2" Pipe</u>	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: [Signature]

Date: 2-9-00

Date: 12/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

Sample ID #: IH-00-057-C-3

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) Boiler Floor
Boiler House (Bldg. C)
International Silver Co, Copper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation: <u>X 2" Pipe</u>	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: _____

Date: 2-9-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (c.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
 The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Sample ID #: IH-00-057-C-4

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) Boiler Floor
Boiler House (Bldg. C)
International Silver Co, Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation: <u>2" Mineral</u>	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>?</u>

Collected by: T.O.B.
 Date: 2-9-00

Analyzed by: [Signature]
 Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<u>gray fibrous</u>		
Type of Asbestos Present	<u>Chrysotile</u>		
Percent Asbestos	<u>60%</u>		
Morphology	<u>fibrous</u>		
Refractive Index	<u>1.52</u>		
Parallel/Perpendicular	<u>11.5/11.5</u>		
Dispersion Colors	<u>Blue</u>		
Parallel/Perpendicular	<u>Magenta</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>P0</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color)	<u>H</u>		
Parallel/Perpendicular	<u>L</u>		
Birefringence (c.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>10% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>20% Portland Cement</u>		
Total % Asbestos (sample)	<u>60% Chrysotile</u>		

Comments: _____

Sample ID #: IH-00-057-C-5

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) Boiler Floor
Boiler House (Bldg. C)
International Silver Co., Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation: <u>2", Milled</u>	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: _____

Date: 2-9-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (c.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

Sample ID #: IH-00-057-C-6

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) Boiler Floor
Boiler House (Bldg. C)
International Silver Co, Copper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation: <u>2" rubber</u>	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: [Signature]
 Date: 7/22/00

Date: 2-9-00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments:

Sample ID #: IH-00-057-C-7

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) Boiler Floor
Boiler House (Bldg. C)
International Silver Co., Copper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation: <u>X 4" Pipe</u>	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: Lynette Thompson

Date: 2-9-00

Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)	<input checked="" type="checkbox"/>		
Gross Appearance (color, texture)	<u>white fibers</u>		
Type of Asbestos Present	<u>Amosite</u>	<u>Amosite</u>	
Percent Asbestos	<u>20%</u>	<u>40%</u>	
Morphology	<u>straight</u>	<u>straight</u>	
Refractive Index Parallel/Perpendicular	<u>1.547 / 1.556</u>	<u>1.540 / 1.546</u>	
Dispersion Colors Parallel/Perpendicular	<u>+ Blue / + Magenta</u>	<u>+ Blue / + Magenta</u>	
Extinction Characteristics (parallel, oblique, wavy)	<u>P</u>	<u>P</u>	
Sign of Elongation (+/-)	<u>+</u>	<u>+</u>	
Pleochroism (color) Parallel/Perpendicular	<u>N</u>	<u>N</u>	
Birefringence (o.l.m.h)	<u>L</u>	<u>AA</u>	
Type(s) of Non-Asbestos Fibers Present (and %)	<u>10% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>30% particulate</u>		
Total % Asbestos (sample)	<u>60% (20% Amosite, 40% Amosite)</u>		

Comments:

Sample ID #: IH-00-057-C-8

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) Boiler Floor
Boiler House (Bldg. C)
International Silver Co, Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation: <u>X 4" Pipe</u>	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: _____

Date: 2-9-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers			
Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

Sample ID #: IH-00-057-C-9

Lab # 14714

Client Name, Address: G.Z.A. Environmental

Sample Location: (Including Room, Building) Boiler Floor
Boiler House (Bldg. C)
International Silver Co, Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation: <u>X 4" Pipe</u>	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: _____

Date: 2-9-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

Sample ID #: I#-00-057-C-10 Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) Boiler Room
Boiler House (Bldg. C)
International Silver Co, Copper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation: <u>4"</u>	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation: <u>Miltek</u>	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation: <u>X Fitting</u>	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: Cynthia Smith

Date: 2-9-00

Date: 3/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<u>gray fibrous</u>		
Type of Asbestos Present	<u>Chrysotile</u>		
Percent Asbestos	<u>50%</u>		
Morphology	<u>fibrous</u>		
Refractive Index Parallel/Perpendicular	<u>1.54/1.35</u>		
Dispersion Colors Parallel/Perpendicular	<u>H blue</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>R</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color) Parallel/Perpendicular	<u>H</u>		
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>10% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>40% Particulates</u>		
Total % Asbestos (sample)	<u>50% Chrysotile</u>		

Comments: _____

Sample ID #: IH-00-057-C-11

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) Boiler Floor
Boiler House (Bldg. C)
International Silver Co., Copper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation: <u>4" M. Ins.</u>	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: _____

Date: 2-9-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

Sample ID #: IH-00-057-C-12

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) Boiler Floor
Boiler House (Bldg. C)
International Silver Co., Corp. St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation: <u>X 4" M.I.K.</u>	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: _____

Date: 2-9-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

Sample ID #: IH-00-057-C-13

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) Boiler Floor
Boiler House (Bldg. C)
International Silver Co., Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation: <u>3" pipe</u>	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: Matthew DeMott

Date: 2-9-00

Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<u>white fibrous</u>		
Type of Asbestos Present	<u>Chrysotile</u>	<u>Amosite</u>	
Percent Asbestos	<u>30%</u>	<u>40%</u>	
Morphology	<u>wavy</u>	<u>straight</u>	
Refractive Index Parallel/Perpendicular	<u>1.55/1.53</u>	<u>1.56/1.54</u>	
Dispersion Colors Parallel/Perpendicular	<u>+ Blue</u>	<u>+ Blue</u>	
Extinction Characteristics (parallel, oblique, wavy)	<u>P</u>	<u>P</u>	
Sign of Elongation (+/-)	<u>+</u>	<u>+</u>	
Pleochroism (color) Parallel/Perpendicular	<u>H</u>	<u>N</u>	
Birefringence (o.l.m,h)	<u>+</u>	<u>+</u>	
Type(s) of Non-Asbestos Fibers Present (and %)	<u>10% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)	<u>70% (30% Chrysotile 40% Amosite)</u>		

Comments: _____

Sample ID #: IH-00-057-C-14

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) Boiler Floor
Boiler House (Bldg. C)
International Silver Co., Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation: <u>X 8" pipe</u>	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: _____

Date: 2-9-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o.l.m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
 The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Sample ID #: IH-00-057-C-15

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) Boiler Floor
Boiler House (Bldg. C)
International Silver Co., Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation: <u>X 8" pipe</u>	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: _____

Date: 2-9-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

Sample ID #: I#00-057-C-16

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) B. 7th Floor
Boiler House (Bldg. C)
International Silver Co., Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation: <u>2 1/2" pipe fl.</u>	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: Caroline J. Sampson

Date: 2-9-00

Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)	<u>gray fibrous</u>		
Type of Asbestos Present	<u>Chrysotile</u>		
Percent Asbestos	<u>50%</u>		
Morphology	<u>fibrous</u>		
Refractive Index Parallel/Perpendicular	<u>1.52/1.51</u>		
Dispersion Colors Parallel/Perpendicular	<u>11.5/11.5</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>SP</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color) Parallel/Perpendicular	<u>H</u>		
Birefringence (o.l.m.h)	<u>2</u>		
Type(s) of Non-Asbestos Fibers Present (and %)	<u>10% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>40% Particulate</u>		
Total % Asbestos (sample)	<u>50% Chrysotile</u>		

Comments: _____

Sample ID #: IH-00-057-C-17

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) Boiler Floor
Boiler House (Bldg. C)
International Silver Co., Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation: <u>1/2" pipe</u>	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: _____

Date: 2-9-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

Sample ID #: IH-00-057-C-18

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) Boiler Floor
Boiler House (Bldg. C)
International Silver Co, Copper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation: <u>28" pipe</u>	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: _____

Date: 2-9-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

Sample ID #: I#-00-057-C-19

Lab # 14714

Client Name, Address: G.Z.A. Environmental

Sample Location: (Including Room, Building) Boiler Floor
Boiler House (Bldg. C)
International Silver Co, Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation: <input checked="" type="checkbox"/>		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: [Signature]

Date: 2-9-00

Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<u>17</u>		
Type of Asbestos Present	<u>gross asbestos</u>		
Percent Asbestos	<u>50%</u>		
Morphology	<u>irregular</u>		
Refractive Index	<u>1.54</u>		
Parallel/Perpendicular	<u>11.556</u>		
Dispersion Colors	<u>Blue/Green</u>		
Parallel/Perpendicular	<u>11.556</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>IP</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color)	<u>H</u>		
Parallel/Perpendicular	<u>H</u>		
Birefringence (o.l.m.h)	<u>+</u>		
Type(s) of Non-Asbestos Fibers Present (and %)	<u>10% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>40% Particulate</u>		
Total % Asbestos (sample)	<u>50% Chrysotile</u>		

Comments: _____

Bulk Asbestos Analysis Report

EnviroMed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: IH-00-057-C-20

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) Boiler Floor
Boiler House (Bldg. C)
International Silver Co, Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation: <input checked="" type="checkbox"/>		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: _____

Date: 2-9-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v,n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (c.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
 The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Sample ID #: IH-00-057-C-21

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) Boiler Floor
Boiler House (Bldg. C)
International Silver Co., Copper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation: X		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: _____

Date: 2-9-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (c.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

Sample ID #: IH-00-057-C-22

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) Boiler Floor
Boiler House (Bldg. C)
International Silver Co., Copper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation: X	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>1 17</u>

Collected by: T.O.B.

Analyzed by: [Signature]

Date: 2-9-00

Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)	X		
Gross Appearance (color, texture)	<u>gray fibrous</u>		
Type of Asbestos Present	<u>Chrysotile</u>		
Percent Asbestos	<u>40%</u>		
Morphology	<u>needle</u>		
Refractive Index Parallel/Perpendicular	<u>1.530</u>		
Dispersion Colors Parallel/Perpendicular	<u>1 B blue</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>ps</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color) Parallel/Perpendicular	<u>N</u>		
Birefringence (c.l.m.h)	<u>2</u>		
Type(s) of Non-Asbestos Fibers Present (and %)	<u>10% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>50% Portlandite</u>		
Total % Asbestos (sample)	<u>40% Chrysotile</u>		

Comments: _____

Sample ID #: IH-00-057-C-23

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) Boiler Floor
Boiler House (Bldg. C)
International Silver Co, Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation: <input checked="" type="checkbox"/>	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: _____

Date: 2-9-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
 The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Sample ID #: IH-00-057-C-24

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) Boiler Floor
Boiler House (Bldg. C)
International Silver Co., Copper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation: X	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: _____

Date: 2-9-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

Sample ID #: I#-00-057-C-25

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) 3rd Floor
Boiler House (Bldg. C)
International Silver Co, Copper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation: X	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: Cynthia S. [Signature]

Date: 2-9-00

Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<u>white fibrous</u>		
Type of Asbestos Present	<u>Chrysotile</u>	<u>Amosite</u>	
Percent Asbestos	<u>15%</u>	<u>40%</u>	
Morphology	<u>needle</u>	<u>rod-like</u>	
Refractive Index Parallel/Perpendicular	<u>1.5477 / 1.536</u>	<u>1.578 / 1.590</u>	
Dispersion Colors Parallel/Perpendicular	<u>Blue / magenta</u>	<u>blue / yellow</u>	
Extinction Characteristics (parallel, oblique, wavy)	<u>0°</u>	<u>+</u>	
Sign of Elongation (+/-)	<u>+</u>	<u>+</u>	
Pleochroism (color) Parallel/Perpendicular	<u>L</u>	<u>M</u>	
Birefringence (o.l.m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>15% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>35% Particulate</u>		
Total % Asbestos (sample)	<u>55%</u>	<u>15% Chrysotile</u>	<u>40% Amosite</u>

Comments: _____

Sample ID #: IH-00-057-C-26

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) Boiler Floor
Boiler House (Bldg. C)
International Silver Co., Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation: <input checked="" type="checkbox"/>	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: _____

Date: 2-9-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (c.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
 The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Sample ID #: I#-00-057-C-27

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) Boiler Floor
Boiler House (Bldg. C)
International Silver Co., Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation: <input checked="" type="checkbox"/>	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: _____

Date: 2-9-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

Sample ID #: I#-00-057-C-28

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) Boiler Floor
Boiler House (Bldg. C)
International Silver Co, Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation: <input checked="" type="checkbox"/>	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <input checked="" type="checkbox"/> <u>Boiler Breeching units</u>

Collected by: T.O.B.

Analyzed by: [Signature]

Date: 2-9-00

Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)	<u>Brown fibrous</u>		
Type of Asbestos Present	<u>Chrysotile</u>		
Percent Asbestos	<u>20%</u>		
Morphology	<u>fibrous</u>		
Refractive Index Parallel/Perpendicular	<u>1.58 / 1.53</u>		
Dispersion Colors Parallel/Perpendicular	<u>+ Blue / + magenta</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>40</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color) Parallel/Perpendicular	<u>1 N</u>		
Birefringence (o.l.m.h)	<u>1/2</u>		
Type(s) of Non-Asbestos Fibers Present (and %)	<u>10% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>70% Portland Cement</u>		
Total % Asbestos (sample)	<u>20% Chrysotile</u>		

Comments: _____

Sample ID #: IH-00-057-C-29

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) Boiler Floor
Boiler House (Bldg. C)
International Silver Co., Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <input checked="" type="checkbox"/> Boiler #2 Breeching Lin 16

Collected by: T.O.B.

Analyzed by: _____

Date: 2-9-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

Sample ID #: I#-00-057-C-30

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) Basement
Boiler House (Bldg. C)
International Silver Co, Copper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>ix Rope Gasket</u>

Collected by: T.O.B.

Analyzed by: [Signature]

Date: 2-9-00

Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)	X		
Gross Appearance (color, texture)	<u>Brown fibrous</u>		
Type of Asbestos Present	<u>Amphibole</u>		
Percent Asbestos	<u>20%</u>		
Morphology	<u>fibrous</u>		
Refractive Index Parallel/Perpendicular	<u>1.54 / 1.56</u>		
Dispersion Colors Parallel/Perpendicular	<u>Blue</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>P</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color) Parallel/Perpendicular	<u>H</u>		
Birefringence (c.l.m.h)	<u>4</u>		
Type(s) of Non-Asbestos Fibers Present (and %)	<u>10% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>10% Portland</u>		
Total % Asbestos (sample)	<u>20% Amphibole</u>		

Comments: _____

Bulk Asbestos Analysis Report

Enviromed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: IH-00-057-C-31

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) Basement
Boiler House (Bldg. C)
International Silver Co., Copper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Frogs Gasket</u>

Collected by: T.O.B.

Analyzed by: _____

Date: 2-9-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

Sample ID #: IH-00-057-C-32

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) Exterior Boiler Floor
Boiler House (Bldg. C)
International Silver Co, Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>x window glaze</u>

Collected by: T.O.B.

Analyzed by: [Signature]

Date: 2-9-00

Date: 2/27/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)	<u>gray cementitious</u>		
Type of Asbestos Present	<u>0.1</u>		
Percent Asbestos			
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>100% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>P.P. Particulate</u>		
Total % Asbestos (sample)	<u>0.1</u>		

Comments: _____

Sample ID #: IH-00-057-C-33

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) Postal Fibers
Boiler House (Bldg. C)
International Silver Co, Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>X Window Glaze</u>

Collected by: T.O.B.

Analyzed by: [Signature]

Date: 2-9-00

Date: 2/27/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)	<u>gray cementitious</u>		
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)	<u>0.1</u>		

Comments: NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

Sample ID #: I#-00-057-C-34

Lab # 14714

Client Name, Address: G.Z.A. Environmental

Sample Location: (Including Room, Building) Exterior
Boiler House (Bldg. C)
International Silver Co., Copper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Window casings</u>

Collected by: T.O.B.

Analyzed by: [Signature]

Date: 2-9-00

Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<u>Brown granular</u>		
Type of Asbestos Present	<u>Amosite</u>		
Percent Asbestos	<u>15%</u>		
Morphology	<u>Wavy</u>		
Refractive Index Parallel/Perpendicular	<u>1.527/1.520</u>		
Dispersion Colors Parallel/Perpendicular	<u>Blue</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>Wavy</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color) Parallel/Perpendicular	<u>N</u>		
Birefringence (o.l.m.h)	<u>N</u>		
Type(s) of Non-Asbestos Fibers Present (and %)	<u>10% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>15% Portland C</u>		
Total % Asbestos (sample)	15% Amosite		

Comments: NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
 The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Sample ID #: I#-00-057-C-35

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building)
Boiler House (Bldg. C)
International Silver Co, Gage St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Window Cattle</u>

Collected by: T.O.B.

Analyzed by: _____

Date: 2-9-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (c.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

Sample ID #: IH-00-057-C-36

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) Exterior (oil tank)
Boiler House (Bldg. C)
International Silver Co., Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Oil Tank Surfacing</u>

Collected by: T.O.B.

Analyzed by: [Signature]

Date: 2-9-00

Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining/			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)	<u>Black Tar</u>		
Type of Asbestos Present	<u>Chrysotile</u>		
Percent Asbestos	<u>10%</u>		
Morphology	<u>Wavy</u>		
Refractive Index Parallel/Perpendicular	<u>1.55/1.57</u>		
Dispersion Colors Parallel/Perpendicular	<u>Blue/Green</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>D</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color) Parallel/Perpendicular	<u>N</u>		
Birefringence (o.l.m.h)	<u>L</u>		
Type(s) of Non-Asbestos Fibers Present (and %)	<u>10% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>80% Particulates</u>		
Total % Asbestos (sample)	<u>10% Chrysotile</u>		

Comments: _____

Sample ID #: I#-00-057-C-37

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) Exterior (oil tank)
Boiler House (Bldg. C)
International Silver Co, Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Oil Tank Surfacing</u>

Collected by: T.O.B.

Analyzed by: _____

Date: 2-9-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____
 NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
 The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Bulk Asbestos Analysis Report

EnviroMed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: IH-00-057-C-38

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) Exterior
Boiler House (Bldg. C)
International Silver Co., Copper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Roof. Mark Field 1st layer</u>

Collected by: T.O.B.

Analyzed by: [Signature]

Date: 2-9-00

Date: 2/20/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<u>Black Tan</u>		
Type of Asbestos Present	<u>Chrysotile</u>		
Percent Asbestos	<u>20%</u>		
Morphology	<u>needle</u>		
Refractive Index Parallel/Perpendicular	<u>1.585/1.565</u>		
Dispersion Colors Parallel/Perpendicular	<u>1.5 Blue</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>1.5 Wavy</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color) Parallel/Perpendicular	<u>1.5 46</u>		
Birefringence (c.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>30% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>10% Portland Cement</u>		
Total % Asbestos (sample)	<u>20% Chrysotile</u>		

Comments: NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

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Sample ID #: IH-00-057-C-39

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) Exterior
Boiler House (Bldg. C)
International Silver Co., Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Roof Mem. Field & Tank</u>

Collected by: T.O.B.

Analyzed by: _____

Date: 2-9-00

Da _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (c.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____
 NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
 The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Sample ID #: IH-00-057-C-40

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) Exterior
Boiler House (Bldg. C)
International Silver Co., Copper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Paint. Main Field 2nd floor</u>

Collected by: T.O.B.

Analyzed by: _____

Date: 2-9-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____ NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Sample ID #: IH-00-057-C-42

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) Exterior
Boiler House (Bldg. 6)
International Silver Co., Copper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Roof Main field 3rd layer</u>

Collected by: T.O.B.

Analyzed by: _____

Date: 2-9-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (c.l.m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

Sample ID #: IH-00-057-C-43

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) Exterior
Boiler House (Bldg. C)
International Silver Co., Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Rat Mass field, 3" layer</u>

Collected by: T.O.B.

Analyzed by: _____

Date: 2-9-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments:

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
 The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Sample ID #: I#-00-057-C-44

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) Exterior
Boiler House (Bldg. C)
International Silver Co., Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Roof Flashing</u>

Collected by: T.O.B.

Analyzed by: [Signature]

Date: 2-9-00

Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>Black Tan</u>		
Type of Asbestos Present	<u>Chrysotile</u>		
Percent Asbestos	<u>1.20%</u>		
Morphology	<u>fibrous</u>		
Refractive Index Parallel/Perpendicular	<u>1.525/1.516</u>		
Dispersion Colors Parallel/Perpendicular	<u>yellow</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>P</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color) Parallel/Perpendicular	<u>H</u>		
Birefringence (c.l.m.h)	<u>L</u>		
Type(s) of Non-Asbestos Fibers Present (and %)	<u>15% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>0.5% Silica</u>		
Total % Asbestos (sample)	<u>1.70%</u>		

Comments: _____

Sample ID #: IH-00-057-C-45

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) Exterior
Boiler House (Bldg. C)
International Silver Co, Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Roof Flashing</u>

Collected by: T.O.B.

Analyzed by: _____

Date: 2-9-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

Sample ID #: IH-00-057-C-46

Lab # 14714

Client Name, Address: G.Z.A. Environmental

Sample Location: (Including Room, Building) O.1 tank
Boiler House (Bldg. C)
International Silver Co, Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Diagonle Roofing Shingles</u>

Collected by: T.O.B.

Analyzed by: [Signature]

Date: 2-9-00

Date: 12/23/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>Black Fibers</u>		
Type of Asbestos Present	<u>As</u>		
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>10% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>90% Particulate</u>		
Total % Asbestos (sample)	<u>0%</u>		

Comments: _____

Sample ID #: IH-00-057-C-47

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) D.I. Tank
Boiler House (Bldg. C)
International Silver Co., Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>D.I. Tank Roofing Shingles</u>

Collected by: T.O.B.

Analyzed by: _____

Date: 2-9-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

Bulk Asbestos Analysis Report

Enviromed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: IH-00-057-C-48

Lab # 14714

Client Name, Address: G.Z.A. Environmental

Sample Location: (Including Room, Building) O.I. Tank
Boiler House (Bldg. C)
International Silver Co., Copper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>O.I. Tank / Tank House / Pipe</u>

Collected by: T.O.B.

Analyzed by: [Signature]

Date: 2-9-00

Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)	<u>Black / White</u>		
Type of Asbestos Present	<u>Chrysotile</u>		
Percent Asbestos	<u>20%</u>		
Morphology	<u>[Handwritten]</u>		
Refractive Index	<u>1.52</u>		
Parallel/Perpendicular	<u>11.5/5.0</u>		
Dispersion Colors	<u>11.5/5.0</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>[Handwritten]</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color)	<u>[Handwritten]</u>		
Parallel/Perpendicular	<u>[Handwritten]</u>		
Birefringence (o.l.m.h)	<u>[Handwritten]</u>		
Type(s) of Non-Asbestos Fibers Present (and %)	<u>10% - Unknown</u>		
Non-Asbestos Fibers Optical Property	<u>[Handwritten]</u>		
Type(s) & Percent of (non-fibrous) Materials Present	<u>10% - Unknown</u>		
Total % Asbestos (sample)	<u>20% Chrysotile</u>		

Comments: _____

Sample ID #: IH-00-057-C-49

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) O.I. Tank
Boiler House (Bldg. C)
International Silver Co., Copps St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>O.I. Tank Flashing Paper</u>

Collected by: T.O.B.

Analyzed by: _____

Date: 2-9-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

Sample ID #: IH-00-057C-QC# 16 Lab # 14714 QC

Client Name, Address: GZA Environmental

Sample Location: (Including Room, Building) Boiler Floor
Boiler House (Bldg 6)
International Silver Co. Cooper St. Meriden, CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation: <u>X 3" pipe</u>	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.
 Date: 2-9-00

Analyzed by: J. Cedeno
 Date: 2/23/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>gray fibrous</u>		
Type of Asbestos Present	<u>Chrysotile</u>		
Percent Asbestos	<u>50%</u>		
Morphology	<u>wavy</u>		
Refractive Index Parallel/Perpendicular	<u>+1.547 / +1.556</u>		
Dispersion Colors Parallel/Perpendicular	<u>+ Blue / magenta</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>P</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color) Parallel/Perpendicular	<u>N</u>		
Birefringence (o,l,m,h)	<u>L</u>		
Type(s) of Non-Asbestos Fibers Present (and %)	<u>10% cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>40% particulate</u>		
Total % Asbestos (sample)	<u>50% Chrysotile</u>		

Comments: QC# 16

Bulk Asbestos Analysis Report

Enviromed Services, Inc.

25 Science Park New Haven, CT (203)706-5580

Sample ID #: IH-00-057C-QC#38 Lab # 14714 QC

Client Name, Address: GZA Environmental

Sample Location: (Including Room, Building) Exterior
Boiler house (Bldg 6)
Interchange Silver Co. Meriden, CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>X Roof 15-layer</u>

Collected by: T.O.B.
 Date: 2-9-00

Analyzed by: J. Cedeno
 Date: 2/23/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>Black tan</u>		
Type of Asbestos Present	<u>Chrysotile</u>		
Percent Asbestos	<u>25%</u>		
Morphology	<u>wavy</u>		
Refractive Index Parallel/Perpendicular	<u>1.5470 / 1.532</u>		
Dispersion Colors Parallel/Perpendicular	<u>+ Blue / 11 Magenta</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>0</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color) Parallel/Perpendicular	<u>N</u>		
Birefringence (o,l,m,h)	<u>L</u>		
Type(s) of Non-Asbestos Fibers Present (and %)	<u>25% cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>50% portulaca</u>		
Total % Asbestos (sample)	<u>25% Chrysotile</u>		

Comments: QC#38

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
 The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

I. LEAD INSPECTION

Project Summary

Overview

From February 9-11, 2000 EnviroMed Services, Inc. performed a lead survey using a direct read spectrum analyzer and Toxic Characteristic Leaching Procedure (TCLP) sampling at the International Silver Company, Cooper Street, Meriden, Connecticut. The purpose of this survey was to identify the presence of lead on the components scheduled for demolition and to characterize toxic lead waste for disposal at the International Silver Company, Cooper Street, Meriden, Connecticut.

The OSHA Lead in Construction Standard 29 CFR 1926.62 deems paint to be lead containing when XRF analysis exceeds 0.00 mg/cm². The State of Connecticut Lead Regulations deem paint to be a "toxic level" when X-Ray Fluorescence Analysis (XRF) exceeds 1.0 milligrams per centimeter squared (mg/cm²), or 0.5% by weight in dry form. (19A-111-3). The State of Connecticut Department of Environmental Protection (DEP) regulations require building materials found to contain toxic levels of lead, to be Toxicity Characteristic Leaching Procedure (TCLP) tested for waste determination prior to disposal.

The TCLP sampling was done in compliance with the State of Connecticut, Department of Environmental Protection (DEP) document: "Guidance for the Management and Disposal of Lead-Contaminated Materials Generated in the Lead Abatement, Renovation, and Demolition Industries". The TCLP sampling procedure simulates the level of lead that would be released into a landfill if the building materials in question were demolished as-is and disposed of as solid waste. Those materials which are found to leach lead at a level less than 5 milligrams of lead per liter of water, are considered to be regular solid waste. Those materials which are found to leach lead at greater than or equal to 5.0 milligrams of lead per liter of water, are considered to be hazardous lead waste.

Summary of Results

XRF analysis was performed utilizing the Niton-XL 309 Spectrum Analyzer. Toxic levels of lead were found on the building components in Building A, Building B and Building C of the International Silver Company. Please refer to the Sample Log and Results Tables and the Sample Location Diagrams for the results and locations of all XRF readings. Representative TCLP samples of building components in Building A.

Summary of Results (continued)

Building B and Building C were taken and submitted to a Connecticut licensed laboratory for analysis. The TCLP analysis was performed in accordance to SW846, Method 1311 for TCLP, specific to lead. Please refer to the TCLP Sample Log and Results Table for a list of all TCLP results.

TCLP sample #1 - Building A/B painted metal registered 0.349 milligrams of lead per liter of water. Building A/B painted metal may be demolished, following any asbestos abatement, and disposed of as construction debris without any lead remediation.

TCLP sample #2 - Building A painted metal windows registered 0.091 milligrams of lead per liter of water. Building A painted metal windows may be demolished, following any asbestos abatement, and disposed of as construction debris without any lead remediation.

TCLP sample #3 - Building A painted wood registered 42.1 milligrams of lead per liter of water. There are approximately 2,200 ft² of painted wood doors and painted wood trim, located throughout Building A, which may be demolished, following any asbestos abatement, and disposed of as hazardous lead waste.

TCLP sample #4 - Building A painted wood windows registered 46.9 milligrams of lead per liter of water. There are approximately 2,000 ft² of painted wood windows, located in the north portion of Building A, which may be demolished, following any asbestos abatement, and disposed of as hazardous lead waste.

TCLP sample #5 - Building A painted brick registered 41.5 milligrams of lead per liter of water. There are approximately 4,000 ft² of painted brick, located on the first and fourth floors in the north portion of Building A, which may be demolished, following any asbestos abatement, and disposed of as hazardous lead waste.

TCLP sample #6 - Building C painted metal registered 0.676 milligrams of lead per liter of water. Building C painted metal may be demolished, following any asbestos abatement, and disposed of as construction debris without any lead remediation.

TCLP sample #7 - Building C painted metal windows registered 0.284 milligrams of lead per liter of water. Building C painted metal windows may be demolished, following any asbestos abatement, and disposed of as construction debris without any lead remediation.

II. SAMPLE LOG AND RESULTS TABLE

Sample Number	Location "Area"	Component	Substrate	Results (Mg/cm ²)
1	Building A	exterior window frame	metal	4.4
2	Building A	shutter	metal	1.0
3	Building A	exterior wall	metal	0.20
4	Building A	exterior door, door casing	metal	1.40
5	Building B	lower wall	brick	0.10
6	Building B	upper wall	brick	0.60
7	Building B	door casing	metal	0.00
8	Building B	stair riser rail	metal	2.00
9	Building B	second floor exterior window header	metal	0.20
10	Building B	second floor I-Beam	metal	0.00
11	Building A	exterior column	metal	2.30
12	Building A	exterior cover	wood	0.00
13	Building A	exterior hopper	metal	0.10
14	Building A	I-Beam	metal	2.0

SAMPLE LOG AND RESULTS TABLE

Sample Number	Location "Area"	Component	Substrate	Results (Mg/cm ²)
15	Building A	lower wall	brick	0.10
16	Building A	upper wall	brick	0.10
17	Building A	window caulking	metal window frame	0.60
18	Building A	window frame	metal	1.20
19	Building A	column	metal	1.40
20	Building A	lower wall	cement block	0.10
21	Building A	upper wall	cement block	0.10
22	Building A	door casing	metal	1.30
23	Building A	door	metal	2.50
24	Building A	door	wood	12.0
25	Building A	door casing	metal	1.0
26	Building A	door	metal	0.4
27	Building A	door, door casing	metal	0.20

SAMPLE LOG AND RESULTS TABLE

Sample Number	Location "Area"	Component	Substrate	Results (Mg/cm ²)
28	Building A	stall wall	metal	0.40
29	Building A	ceiling	cement	0.00
30	Building A	column	metal	0.10
31	Building A	ceiling beam	metal	1.90
32	Building A	floor	cement	0.00
33	Building A Loft	rail	metal	0.20
34	Building A Loft	ceiling beam	metal	1.00
35	Building A Loft	ceiling	metal	0.00
36	Building A Loft	wall	metal	0.20
37	Building A	wall	metal	1.60
38	Building A	stall wall	metal	0.70
39	Building A	lower wall	cement block	0.40
40	Building A	upper wall	cement block	0.10

SAMPLE LOG AND RESULTS TABLE

Sample Number	Location "Area"	Component	Substrate	Results (Mg/cm ²)
41	Building A	door, door casing	metal	1.70
42	Building A	column	metal	0.30
43	Building A	floor	cement	0.00
44	Building A Loft	window frame	metal	1.30
45	Building A Loft	window frame	metal	0.20
46	Building A Loft	column	metal	0.80
47	Building A Loft	lower wall	brick	0.20
48	Building A Loft	upper wall	brick	0.10
49	Building A Loft	floor	cement	0.00
50	Building A	stair riser and stair	metal	0.60
51	Building A	door and door casing	metal	3.30
52	Building A	lower wall	wood	0.10
53	Building A	upper wall	wood	0.10
54	Building A	column	metal	0.20

SAMPLE LOG AND RESULTS TABLE

Sample Number	Location "Area"	Component	Substrate	Results (Mg/cm²)
55	Building A	column	metal	1.30
56	Building A	window frame	metal	0.70
57	Building A	test		1.10
58	Building A	test		1.10
59	Building A	test		1.10
60	Building A	test		1.10

SAMPLE LOG AND RESULTS TABLE

Sample Number	Location "Area"	Component	Substrate	Results (Mg/cm ²)
61		test		1.10
62		test		1.10
63		test		1.10
64	Building A	exterior door	wood	6.80
65	Building A	exterior door casing	metal	5.30
66	Building A	exterior window cover	wood	0.00
67	Building A	exterior window cover	wood	0.00
68	Building A	exterior wall	brick	0.10
69	Building A	exterior door	metal	0.10
70	Building A	exterior window cover	wood	0.10
71	Building A	exterior door, door casing	metal	2.30
72	Building A	exterior door	metal	1.80
73	Building A	wall	brick	0.10
74	Building A	window frame	metal	0.20

SAMPLE LOG AND RESULTS TABLE

Sample Number	Location "Area"	Component	Substrate	Results (Mg/cm ²)
75	Building A	lower wall	brick	0.90
76	Building A	column	metal	0.20
77	Building A	column	metal	0.80
78	Building A	upper wall	brick	0.40
79	Building A	wall	brick	0.20
80	Building A	ceiling	cement	0.00
81	Building A	column	metal	0.20
82	Building A	window frame	metal	1.30
83	Building A	door	metal	2.40
84	Building A	rail and stair	metal	2.70
85	Building A	duct	metal	0.10
86	Building A	wall	brick	0.20
87	Building A	pipe	metal	0.20

SAMPLE LOG AND RESULTS TABLE

Sample Number	Location "Area"	Component	Substrate	Results (Mg/cm ²)
88	Building A	wall	wood	0.00
89	Building A	column	metal	0.00
90	Building A	window frame	metal	0.10
91	Building A	exterior window frame	metal	1.20
92	Building A	ceiling	cement	0.20
93	Building A	exterior window frame	metal	2.80
94	Building A	exterior window frame	metal	2.60
95	Building A	upper column	wood	0.00
96	Building A	lower column	wood	0.40
97	Building A	wall	brick	10.0
98	Building A	window casing	wood	14.0
99	Building A	wall	wood	0.00
100	Building A	wall	wood	0.00

SAMPLE LOG AND RESULTS TABLE

Sample Number	Location "Area"	Component	Substrate	Results (Mg/cm ²)
101	Building A	door	wood	0.10
102	Building A	lower column	wood	0.60
103	Building A	upper column	wood	0.80
104	Building A	lower wall	brick	0.80
105	Building A	upper wall	brick	0.90
106	Building A	window casing	wood	1.80
107	Building A	window sash	wood	7.30
108	Building A	wall	wood	0.00
109	Building A	upper wall	cement block	0.00
110	Building A	upper wall	cement	0.10
111	Building A	lower wall	cement	0.10
112	Building A	stall wall	metal	0.10
113	Building A	ceiling	wood	0.00

SAMPLE LOG AND RESULTS TABLE

Sample Number	Location "Area"	Component	Substrate	Results (Mg/cm ²)
114	Building A	column	wood	0.10
115	Building A	wall	brick	0.80
116	Building A	window jamb	wood	3.30
117	Building A	exterior window sash	wood	4.30
118	Building A	window sash	wood	0.30
119	Building A	wall	wood	0.00
120	Building A	wall	wood	0.00
121	Building A	door casing	wood	0.10
122	Building A	wall	cement block	0.20
123	Building A	upper wall	brick	0.10
124	Building A	lower wall	brick	1.40
125	Building A	upper wall	brick	0.10
126	Building A	lower wall	brick	0.90

SAMPLE LOG AND RESULTS TABLE

Sample Number	Location "Area"	Component	Substrate	Results (Mg/cm²)
127	Building A	upper column	wood	0.80
128	Building A	window casing	wood	28.0
129	Building A	window sash	wood	13.0
130	Building A	upper wall	wood	0.20
131	Building A	lower wall	wood	0.20
132	calibration	test		1.10
133	calibration	test		1.10
134	calibration	test		1.10

SAMPLE LOG AND RESULTS TABLE

Sample Number	Location "Area"	Component	Substrate	Results (Mg/cm ²)
1	calibration	test		1.10
2	calibration	test		1.10
3	calibration	test		1.10
4	Boiler House Building C	door casing	metal	6.3
5	Boiler House Building C	I-Beam	metal	0.00
6	Boiler House Building C	pad	cement	0.30
7	Boiler House Building C	pipe	metal	0.00
8	Boiler House Building C	window frame	metal	0.00
9	Boiler House Building C	wall	cement	0.10
10	Boiler House Building C	door casing	metal	0.60
11	Boiler House Building C	door	metal	4.50
12	Boiler House Building C	column I-Beam	metal	6.10
13	Boiler House Building C	column I-Beam	metal	2.90
14	Boiler House Building C	door	metal	0.00

SAMPLE LOG AND RESULTS TABLE

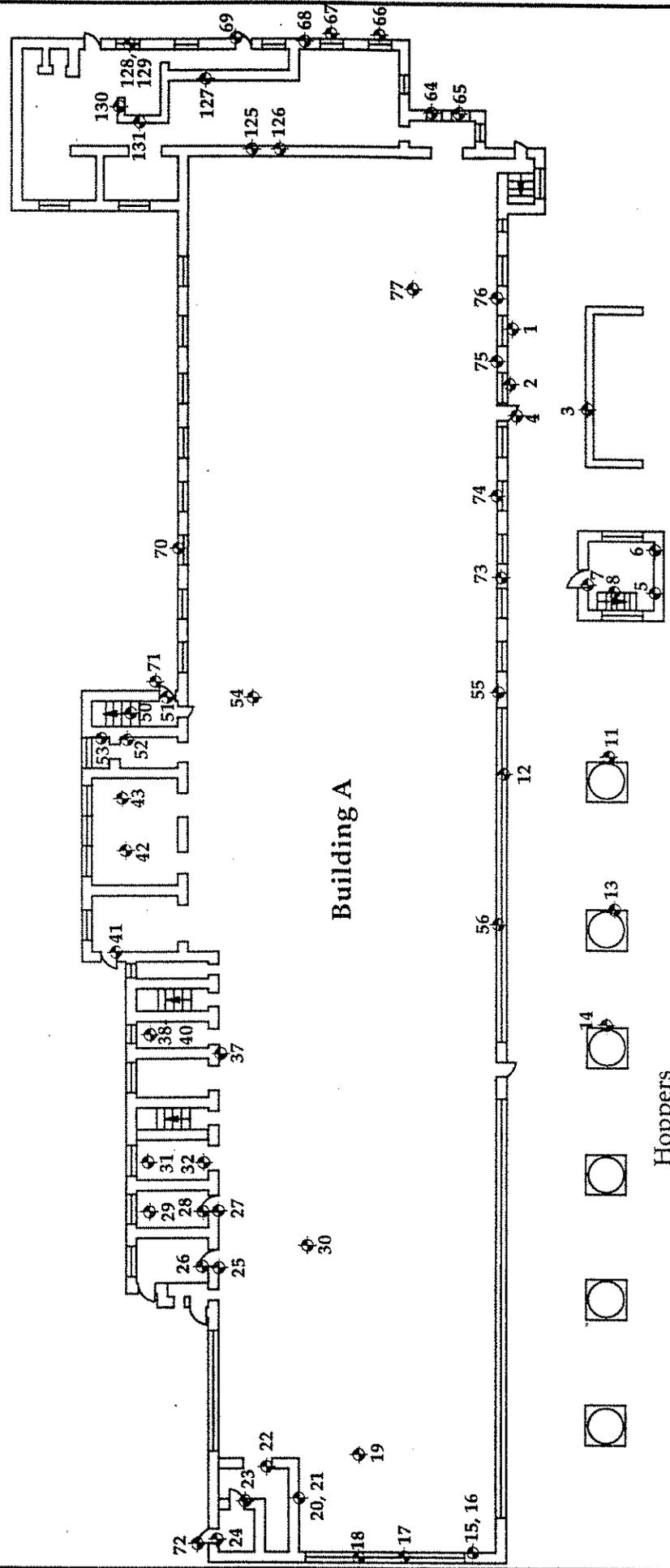
Sample Number	Location "Area"	Component	Substrate	Results (Mg/cm ²)
29	Boiler House Building C	exterior tank	metal	0.10
30	Boiler House Building C	exterior track	metal	0.20

III. TCLP SAMPLE LOG AND RESULTS TABLE

Sample Number	Location "Area"	Component	Results (Mg/L)	Pass/Fail
1	Building A and Building B	Painted Metal	0.349	Pass
2	Building A	Painted Metal Window	0.091	Pass
3	Building A	Painted Wood	42.1	Fail
4	Building A	Painted Wood Window	46.9	Fail
5	Building A	Painted Brick	41.5	Fail
6	Building C Boiler House	Painted Metal	0.676	Pass
7	Building C Boiler House	Painted Metal Window	0.284	Pass

IV. SAMPLE LOCATION DIAGRAMS

◆ Sample Location



Building A

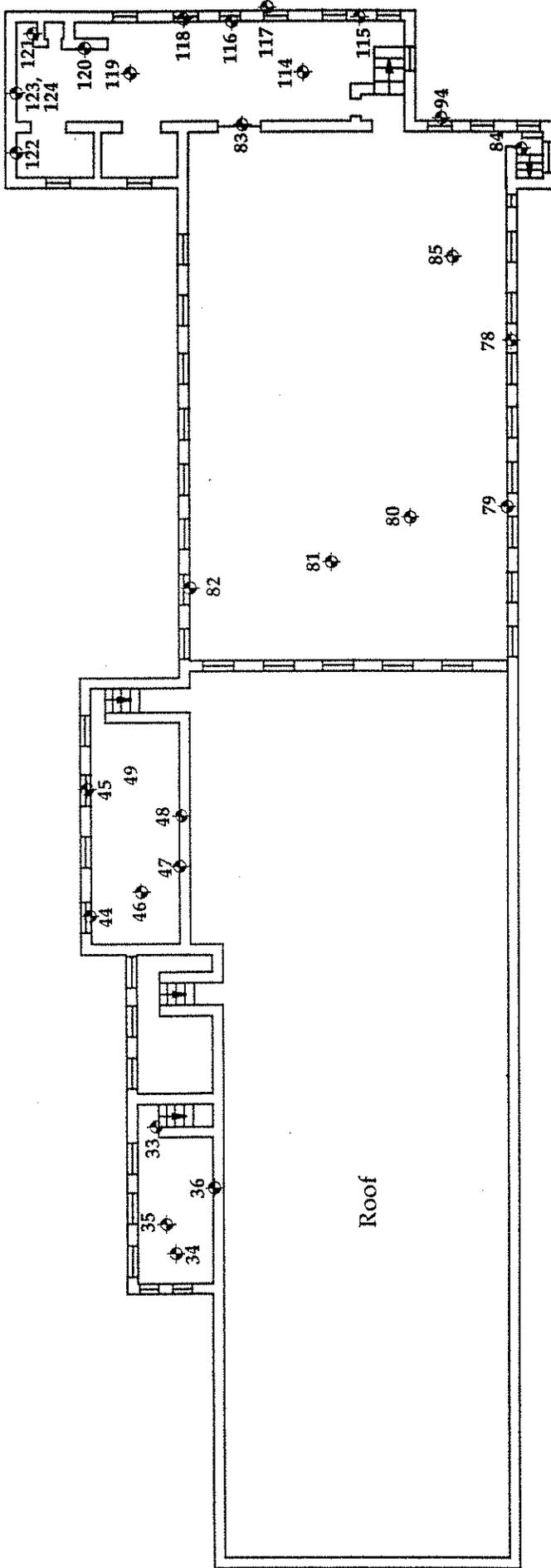
Hoppers

Building B

FIGURE 01	
NO.	DESCRIPTION

DRAWING TITLE: Lead Paint Inspection Sample Location Diagram Buildings A and B - First Floor	DATE: 2-11-00
DRAWING PREPARED BY: ENVIRONMENTAL SERVICES, INC.	SCALE: N.T.S.
PROJECT: 25 SCIENCE PARK, NEW HAVEN, CONNECTICUT	DRAWN BY: BTK
PREPARED FOR: CZCA Geo-Environmental, Inc.	APPROVED BY: BTK
International Silver Co. Cooper Street Meriden, Connecticut	DRAWING NO.: 1
27 Nauck Road Vernon, Connecticut	

◆ Sample Location



Building A

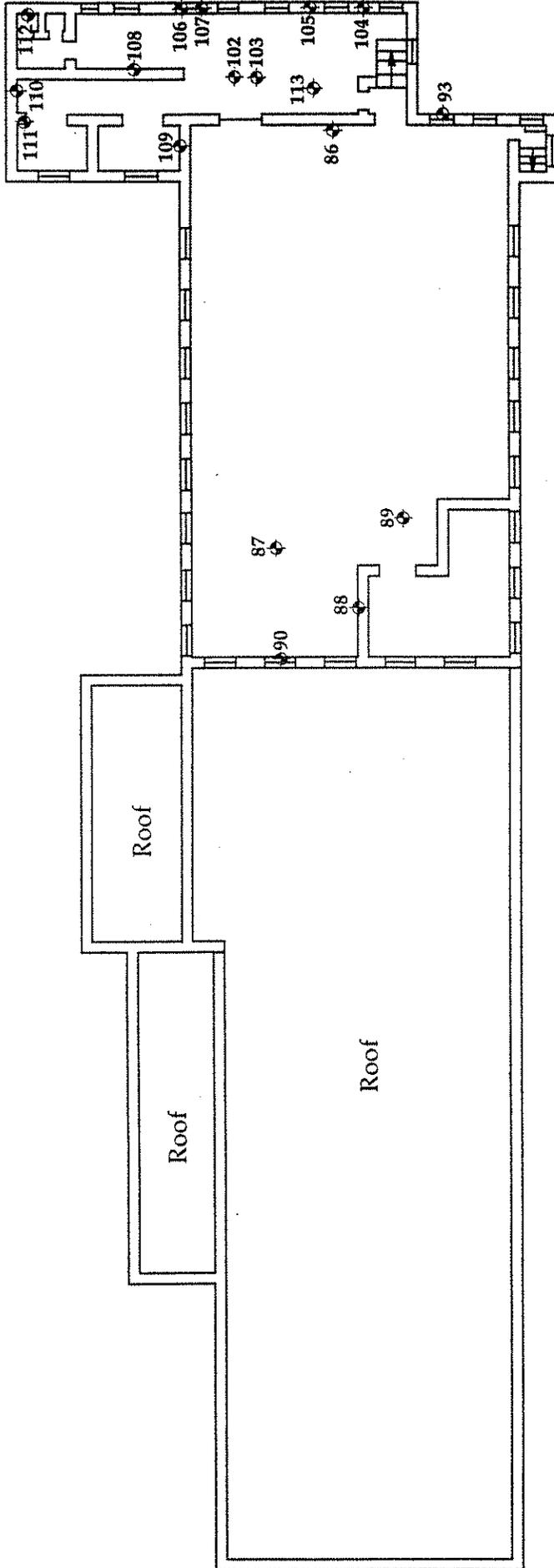
Building B

REVISIONS	
NO.	DATE

FIGURE 01	DRAWING TITLE: Lead Paint Inspection Sample Location Diagram
	BUILDING: A and B - Section of Floor
	DRAWING PREPARED BY: ENVIROMED SERVICES, INC.
	PROJECT: 2.5 SCIENCE PARK, NEW HAVEN, CONNECTICUT
	DRAWN BY: International Silver Co. Cooper Street
	APPROVED BY: Meriden, Connecticut
	PREPARED FOR: GZA GeoEnvironmental, Inc. 27 Nauck Road
	Vernon, Connecticut
	DRAWING NO. 2

Environmental Project # 111419129

⊕ Sample Location



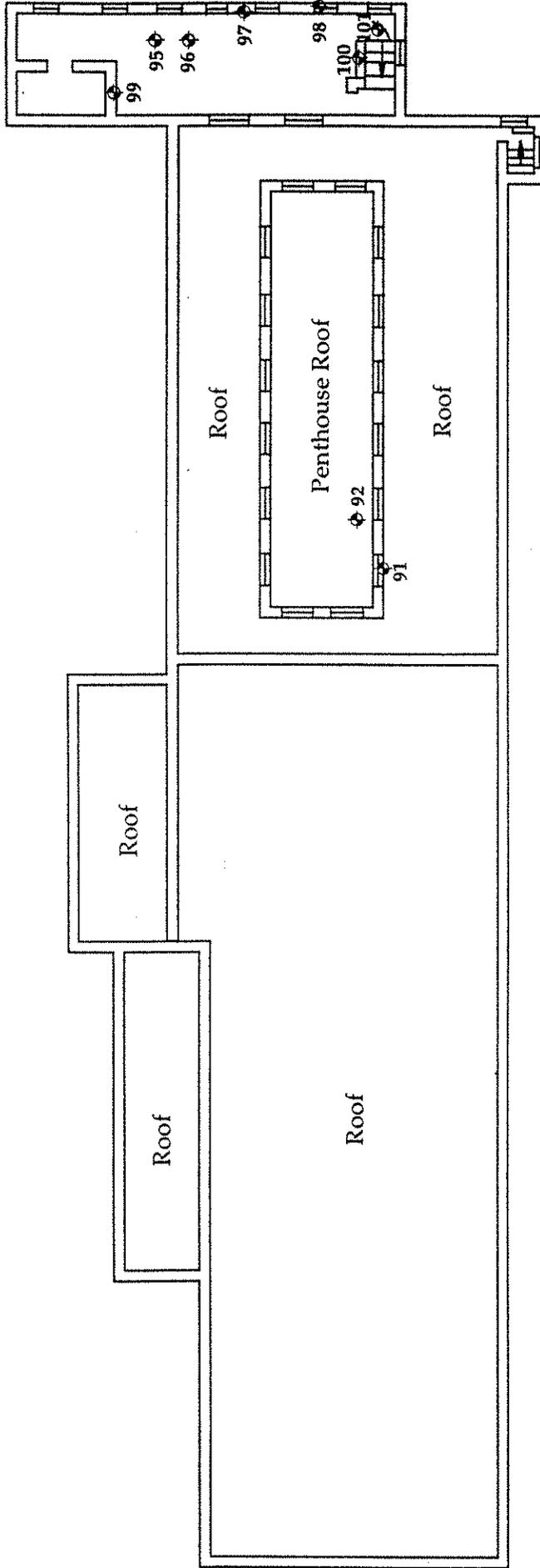
Building A

FIGURE 01

DRAWING TITLE: Lead Paint Inspection Sample Location Diagram Buildings A - Third Floor		DATE: 2-11-90
DRAWING PREPARED BY: ENVIRONMENTAL SERVICES, INC.		SCALE: N.T.S.
PROJECT: 25 SCIENCE PARK, NEW HAVEN, CONNECTICUT		DRAWN BY: PTK
PREPARED FOR: International Silver Co. Cooper Street Meriden, Connecticut		APPROVED BY: DTK
DRAWING NO. 3		ENVIRONMENTAL SERVICES, INC. 27 Naak Road Vernon, Connecticut

REVISIONS	
DATE	DESCRIPTION

◆ Sample Location

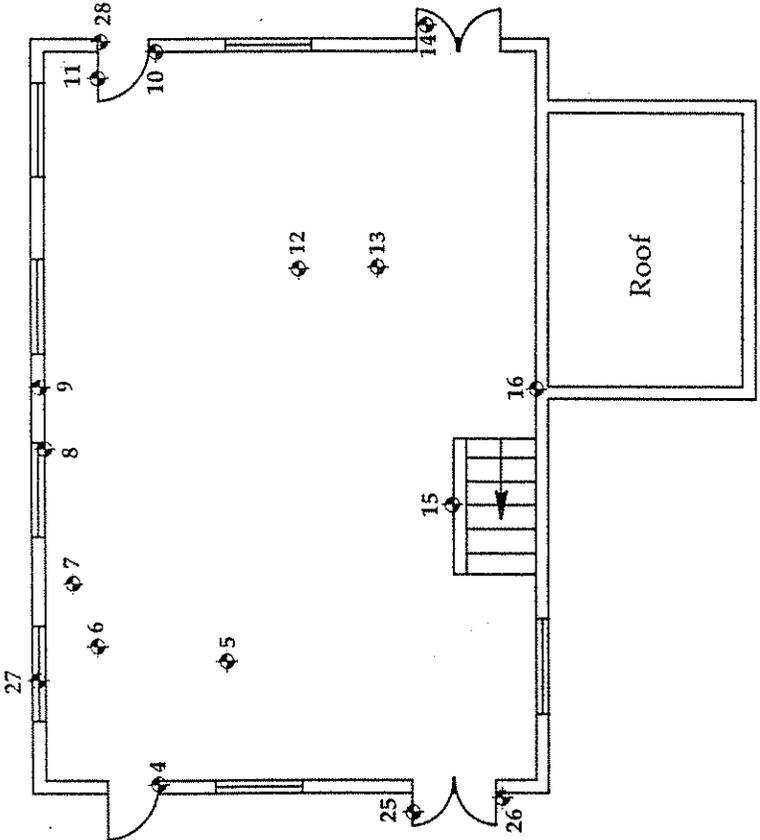
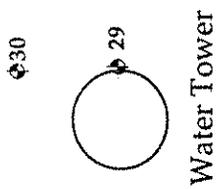


Building A

REVISIONS	
NO.	DESCRIPTION

DRAWING TITLE: Lead Paint Inspection Sample Location Diagram Buildings A - Fourth Floor		DATE: 2-11-00
DRAWING PREPARED BY: ENVIROMED SERVICES, INC. 25 SCIENCE PARK, NEW HAVEN, CONNECTICUT		SCALE: N.T.S.
PROJECT: International Silver Co. Copper Street Meriden, Connecticut		DRAWN BY: BTK
PREPARED FOR: GZA Geoenvironmental, Inc. 27 Naak Road Vernon, Connecticut		APPROVED BY: BTK
Enviromed Project # 01110157		DRAWING NO. 4

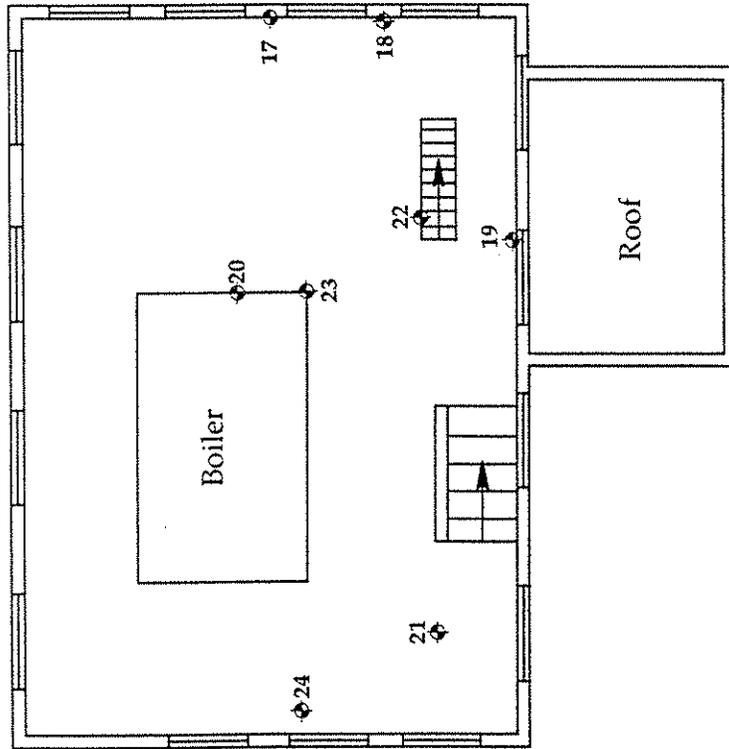
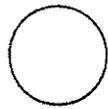
⊕ Sample Location



REVISIONS	
NO.	DESCRIPTION

DRAWING TITLE:	Lead Paint Inspection Sample Location Diagram Building C - First Floor	DATE:	2-11-00
DRAWING PREPARED BY:	ENVIRONMENTAL SERVICES, INC.	SCALE:	N.T.S.
PROJECT:	25 SCIENCE PARK, NEW HAVEN, CONNECTICUT	DRAWN BY:	DTK
PREPARED FOR:	International Silver Co. Cooper Street Meriden, Connecticut	APPROVED BY:	DTK
	27 Nauck Road Vernon, Connecticut	DRAWING NO.:	5
Environmental Services, Inc. 01/01/02			

◆ Sample Location



REVISIONS	
DATE	DESCRIPTION

FIGURE 01	DRAWING TITLE: Lead Paint Inspection Sample Location Diagram Building C - First Floor
	DRAWING PREPARED BY: ENVIROMED SERVICES, INC. 25 SCIENCE PARK, NEW HAVEN, CONNECTICUT
	DATE: 2-11-00
	SCALE: N.T.S.
	DRAWN BY: DTK
	APPROVED BY: DTK
	DRAWING NO.: 6
	PROJECT: International Silver Co. Cooper Street Meriden, Connecticut
	PREPARED FOR: GZA Geoenvironmental, Inc. 27 Naak Road Vernon, Connecticut
	<small>Environmental Project # 11440157</small>

VI. XRF SAMPLE LOGS

LEAD INSPECTION DATA PAGE

PROJECT NAME: International Silver
 UNIT NUMBER: Building A, B

NO. DOORS: _____

NO. WINDOWS: _____

SAMPLE NUMBER	RESULTS (Mg/cm ²)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENT
1	4.4	EWL	M	2	green (+)
2	1.0	Shutter	M	1	over wt (+)
3	0.20	EWL	M	3	
4	1.40	EDR, EDC	M	3	(+)
5	0.10	LWL	BR	3	
6	0.60	UWL	BR	3	
7	0.00	DC	M	2	
8	2.00	STAIN RISES, Rail	M	3	(+)
9	0.20	EWL	M	2	?Floor
10	0.00	I-Beam	M	3	CL 2Floor (+)
11	2.30	ECOL	M	3	Hopper (+)
12	0.00	EW cover	W	1	
13	0.10	E.hopper	M	3	Silver (+)
14	2.0	I-Beam	M	2	Hopper support (+)
15	0.10	LWL	BR	3	
16	0.10	UWL	BR	3	
17	0.60	W caulk	W Frame	3	green (+)
18	1.20	W/F	M	3	(+)
19	1.40	COL	M	3	(+)
20	0.10	LWL	CB	2	

Build. ↓

LEAD INSPECTION DATA PAGE

PROJECT NAME: International Silver

NO. DOORS: _____

UNIT NUMBER: _____

NO. WINDOWS: _____

SAMPLE NUMBER	RESULTS (Mg/cm ²)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENT
21	0.10	UWL	CB	1	
22	1.30	DC	M	3	⊕
23	2.50	DR	M	2	⊕
24	12.0	DR	W	2	⊕
25	1.0	DC	M	3	⊕
26	0.4	DR	M	3	
27	0.20	DR, DC	M	3	
28	0.40	stall wh	M	3	
29	0.00	CL	C	3	
30	0.10	COL	M	3	T-Beam ⊕
31	1.90	CL Beam	M	3	⊕
32	0.00	FL	C	1	
33	0.20	Rail	M	3	LOFL ⊕
34	1.00	CL Beam	M	3	LOFL ⊕
35	0.00	CL	M	3	LOFL
36	0.20	WL	M	3	LOFL ⊕
37	1.60	WL	M	3	⊕
38	0.70	stall wh	M	3	
39	0.40	LWL	CB	2	
40	0.10	UWL	CB	2	

LEAD INSPECTION DATA PAGE

PROJECT NAME: International Silver

NO. DOORS: _____

UNIT NUMBER: _____

NO. WINDOWS: _____

SAMPLE NUMBER	RESULTS (Mg/cm ²)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENT
41	1.70	Dc, Dc	M	3	(+)
42	0.30	COL	M	3	
43	0.00	FL	C	1	
44	1.30	WF	M	3	Loft (+)
45	0.20	WF	M	3	Loft
46	0.80	COL	M	3	Loft
47	0.20	LWL	Br	3	Loft
48	0.10	WWH	Br	3	Loft
49	0.00	FL	C	1	Loft
50	0.60	staircase	M	3	
51	3.30	Dc, Dc	M	3	(+)
52	0.10	LWL	W	1	
53	0.10	WWH	W	1	
54	0.20	COL	M	3	
55	1.30	COL	M	3	(+)
56	0.70	WF	M	3	
57	1.10	test		1	
58	1.10	test		1	
59	1.00	test		1	
60	1.00	test		1	

LEAD INSPECTION DATA PAGE

PROJECT NAME: International Silver

NO. DOORS: _____

UNIT NUMBER: _____

NO. WINDOWS: _____

SAMPLE NUMBER	RESULTS (Mg/cm ²)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENT
61	1.10	test	—		
62	1.10	test	—		
63	1.10	test	—		
64	6.8	EDR	W	3	G. (+)
65	5.3	EDC	M	3	(+)
66	0.00	EW cover	W	1	green
67	0.00	EW cover	W	1	Red
68	0.10	EWL	BR	3	WL
69	0.10	EDC	M	3	
70	0.10	EW cover	W	2	W-Red (+)
71	2.30	EDC	M	3	(+)
72	1.80	EDR	M	3	(+)
73	0.10	WL	BR	3	
74	0.20	W/F	M	3	3-sty park
75	0.90	LWL	BR	2	green
76	0.20	COL	M	3	FB
77	0.80	COL	M	3	"
78	0.40	UWL	BR	3	White 2F 2F
79	0.20	WL	BR	3	2F
80	0.00	CL	3		2F

LEAD INSPECTION DATA PAGE

PROJECT NAME: International Silver

NO. DOORS: _____

UNIT NUMBER: _____

NO. WINDOWS: _____

SAMPLE NUMBER	RESULTS (Mg/cm ²)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENT
81	0.20	CoL	M	3	I.B 2F
82	1.30	WF	M	3	2F (+)
83	2.40	Dr-slider	M	3	2F (+)
84	2.70	Paintstore	M	3	Swey 2F (+)
85	0.10	Duct	M	3	2F
86	0.20	WL	Br	3	
87	0.20	pipe	M	3	
88	0.00	WL	W	3	offices
89	0.00	CoL	M	3	I.B
90	0.10	WF	M	3	(pipe)
91	1.20	EWF	M	3R	(pipe) (+)
92	0.20	Ch	C	3R	"(pipe)" (+)
93	2.30	EWF	M	3	green (+)
94	2.60	EWF	M	3	2F (+)
95	0.00	uCoL	W	3	white 2F
96	0.40	LCoL	W	3	gray 4F (+)
97	10.0	WL	Br	3	white 4F (+)
98	14.0	WC	W	3	4F (+)
99	0.00	WL	W	2	4F
100	0.00	WL	W	2	4F

LEAD INSPECTION DATA PAGE

PROJECT NAME: International Silver

NO. DOORS: _____

UNIT NUMBER: _____

NO. WINDOWS: _____

SAMPLE NUMBER	RESULTS (Mg/cm ²)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENTS
101	0.10	Dr	W	2	4F
102	0.60	L COL	W	3	Lt green 3F 3F
103	0.80	u COL	W	3	wh 3F
104	0.80	LWL	Br	3	gray 3F
105	0.90	uwl	Br	3	wh 3F
106	1.80	wl	W	3	3F (+)
107	7.3	wsif	W	3	3F (+)
108	0.00	wl	W	3	3F
109	0.00	uwl	CR	1	3F
110	0.10	uwl	C	2	3F
111	0.10	LWL	C	3	3F
112	0.10	Stall wh	M	3	3F
113	0.00	CL	W	3	3F
114	0.10	COL	W	3	2F
115	0.80	wl	Br	3	under paint 2F
116	3.3	WJ	W	3	green (+) 2F
117	4.3	FWsif	W	3	(+) 2F
118	0.30	wsif	W	3	2F
119	0.00	wl	W	0	Varv. 2F
120	0.00	wl	W	3	2F

LEAD INSPECTION DATA PAGE

PROJECT NAME: International Silver

NO. DOORS: _____

UNIT NUMBER: _____

NO. WINDOWS: _____

SAMPLE NUMBER	RESULTS (Mg/cm ²)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENT
121	0.10	Dc	W	3	2F
122	0.20	WL	CB	1	2F
123	0.10	uwl	RZ	1	2F
124	1.40	LWL	RZ	2	2F
125	0.10	uwl	RZ	3	
126	0.90	LWL	RZ	3	green
127	0.820	uwl	W	3	
128	28.0	WL	W	3	(+)
129	13.0	Wstf	W	2	(+)
130	0.20	uwl	W	1	wh.
131	0.20	LWL	W	1	green
132	1.10	test	---		
133	1.10	test	---		
134	1.10	test	---		

IF

LEAD INSPECTION DATA PAGE

PROJECT NAME: International Silver

NO. DOORS: _____

UNIT NUMBER: Boiler House Building 'C'

NO. WINDOWS: _____

SAMPLE NUMBER	RESULTS (Mg/cm ²)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENT
1	1.10	test	—		
2	1.10	test	—		
3	1.10	test	—		
4	6.3	DC	M	3	(+)
5	0.00	I-Beam	M	1	6" rebar
6	0.30	PAD	C	3	RED
7	0.20	pipe	M	3	RED
8	0.00	WF	M	3	
9	0.10	WL	C	1	silver
10	0.60	DC	W	2	
11	4.50	DR	M	3	(+)
12	6.10	COL-IB	M	2	gray - 1' (+)
13	2.90	COL-IB	M	3	6"
14	0.00	DR	M	3	
15	0.00	WL	W	3	
16	0.10	WL	C	2	
17	0.30	WL	BR	3	(2A)
18	2.50	COL	IBM	3	gray (2A) (+)
19	0.00	WF	M	3	(2A)
20	0.00	WL	BR	3	(2F)

VII. LABORATORY ANALYSIS SHEETS - TCLP RESULTS



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 418, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report
February 21, 2000

FOR: Mr. David Kohl
EnviroMed Services, Inc.
25 Science Park
New Haven CT 06511

<u>Sample Information</u>		<u>Custody Information</u>		<u>Date</u>	<u>Time</u>
Matrix:	SOLID	Collected by:		02/11/00	20:59
Location Code:	ENVMED	Received by:	SW	02/16/00	14:20
Project Code:	RUSH#	Analyzed by:	see below		
P.O.#:	94-170				

Laboratory Data

Client ID: INTERNAT BUILD A PTED METAL Phoenix I.D. AC57247

Parameter	Result	MDL	Units	Date	by	Reference
CLP Lead	0.349	0.015	mg/L	02/18/00	EK	E1311/SW6010
CLP Extraction Metals	Completed			02/16/00	PL	EPA 1311

Comments:

ND=Not detected MDL = Minimum Detectable Limit BDL = Below Detection Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

John M. Schreiber, Laboratory Director
February 21, 2000



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 418, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report
February 21, 2000

FOR: Mr. David Kohl
Enviromed Services, Inc.
25 Science Park
New Haven CT 06511

Sample Information

Matrix: SOLID
Location Code: ENVMED
Project Code: RUSH#
P.O.#: 94-170

Custody Information

Collected by:
Received by: SW
Analyzed by: see below

Date

02/11/00
02/16/00

Time

20:59
14:20

Laboratory Data

Client ID: INTERNAT BLDG A - M. WINDOW

Phoenix I.D. AC57244

Parameter

Result

MDL

Units

Date

by

Reference

CLP Lead	0.091	0.015	mg/L	02/18/00	EK	E1311/SW6010
CLP Extraction Metals	Completed			02/16/00	PL	EPA 1311

Comments:

ND=Not detected MDL = Minimum Detectable Limit BDL = Below Detection Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

John M. Schreiber, Laboratory Director
February 21, 2000



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 418, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

February 21, 2000

FOR: Mr. David Kohl
EnviroMed Services, Inc.
25 Science Park
New Haven CT 06511

Sample Information

Matrix: SOLID
Location Code: ENVMED
Project Code: RUSH#
P.O.#: 94-170

Custody Information

Collected by:
Received by: SW
Analyzed by: see below

Date

02/11/00
02/16/00

Time

20:59
14:20

Laboratory Data

Client ID: INTERNAT SILVER WOOD WINDOW

Phoenix I.D. AC57245

Parameter	Result	MDL	Units	Date	by	Reference
CLP Lead	46.9	0.15	mg/L	02/18/00	EK	E1311/SW6010
CLP Extraction Metals	Completed			02/16/00	PL	EPA 1311

Comments:

ND=Not detected MDL = Minimum Detectable Limit BDL = Below Detection Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

John M. Schreiber, Laboratory Director
February 21, 2000



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 418, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

February 21, 2000

FOR: Mr. David Kohl
EnviroMed Services, Inc.
25 Science Park
New Haven CT 06511

<u>Sample Information</u>		<u>Custody Information</u>		<u>Date</u>	<u>Time</u>
Matrix:	SOLID	Collected by:		02/11/00	20:59
Location Code:	ENVMED	Received by:	SW	02/16/00	14:20
Project Code:	RUSH#	Analyzed by:	see below		
P.O.#:	94-170				

Laboratory Data

Client ID: INTERNAT BUILD A BRICK Phoenix I.D. AC57248

Parameter	Result	MDL	Units	Date	by	Reference
CLP Lead	41.5	0.15	mg/L	02/18/00	EK	E1311/SW6010
CLP Extraction Metals	Completed			02/16/00	PL	EPA 1311

Comments:

ND=Not detected MDL = Minimum Detectable Limit BDL = Below Detection Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

John M. Schreiber, Laboratory Director
February 21, 2000



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O. Box 418, Manchester, CT 06040
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

February 21, 2000

FOR: Mr. David Kohl
 EnviroMed Services, Inc.
 25 Science Park
 New Haven CT 06511

<u>Sample Information</u>		<u>Custody Information</u>		<u>Date</u>	<u>Time</u>
Matrix:	SOLID	Collected by:		02/11/00	20:59
Location Code:	ENVMED	Received by:	SW	02/16/00	14:20
Project Code:	RUSH#	Analyzed by:	see below		
P.O.#:	94-170				

Laboratory Data

Client ID: INTERNAT SILVER BOILER METAL Phoenix I.D. AC57243

Parameter	Result	MDL	Units	Date	by	Reference
CLP Lead	0.676	0.015	mg/L	02/18/00	EK	E1311/SW6010
CLP Extraction Metals	Completed			02/16/00	PL	EPA 1311

Comments:

ND=Not detected MDL = Minimum Detectable Limit BDL = Below Detection Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

John M. Schreiber, Laboratory Director
 February 21, 2000



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 418, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

February 21, 2000

FOR: Mr. David Kohl
EnviroMed Services, Inc.
25 Science Park
New Haven CT 06511

<u>Sample Information</u>		<u>Custody Information</u>		<u>Date</u>	<u>Time</u>
Matrix:	SOLID	Collected by:		02/11/00	20:59
Location Code:	ENVMED	Received by:	SW	02/16/00	14:20
Project Code:	RUSH#	Analyzed by:	see below		
P.O.#:	94-170				

Laboratory Data

Client ID: INTERNAT SILVER BOILER WINDOW Phoenix I.D. AC57242

<u>Parameter</u>	<u>Result</u>	<u>MDL</u>	<u>Units</u>	<u>Date</u>	<u>by</u>	<u>Reference</u>
CLP Lead	0.284	0.015	mg/L	02/18/00	EK	E1311/SW6010
CLP Extraction Metals	Completed			02/16/00	PL	EPA 1311

Comments:

ND=Not detected MDL = Minimum Detectable Limit BDL = Below Detection Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

John M. Schreiber, Laboratory Director
February 21, 2000



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 418, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

QC Report

AC57249

February 21, 2000

Sample ID AC57249

Analysis: ICP Metals Analysis QC

AC57249

QC Source: ERA 9989 MIN QCI 702 ICP 1299 Analyte	Blank	QC Check Sample (% Rec.)	QC Spike Sample (% Rec.)	QC Sample Replicate (% change)
Ag Silver	<0.01	102	102	0.0
Al Aluminum	<0.05	105	98	4.7
As Arsenic	<0.05	92	100	NC
Ba Barium	<0.01	101	95	NC
Be Beryllium	<0.01	103	93	NC
Ca Calcium	<0.10	97	88	0.7
Cd Cadmium	<0.01	104	94	NC
Co Cobalt	<0.01	106	102	NC
Cr Chromium	<0.01	104	93	0.0
Cu Copper	<0.01	100	111	NC
Fe Iron	<0.05	107	99	1.3
K Potassium	<0.10	99	-	1.1
Mg Magnesium	<0.01	97	101	1.6
Mn Manganese	<0.01	103	96	0.0
Na Sodium	<0.10	98	-	0.5
Ni Nickel	<0.01	103	92	0.9
Pb Lead	<0.01	104	95	8.9
Se Selenium	<0.05	95	70	NC
Ti Titanium	<0.01	102	102	2.8
V Vanadium	<0.01	106	104	NC
Zn Zinc	<0.01	106	94	10.9

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

John M. Schreiber
Laboratory Director

Hazardous Materials Assessment

Project Narrative

EnviroMed Services, Inc. (EnviroMed) has completed the Hazardous Materials Assessment (HMA) for the above referenced site. This task included a determination of hazardous and regulated materials within and adjacent to the structure that would require mitigative actions in accordance with applicable regulations prior to the initiation of demolition for each of the above referenced buildings. The inventory for chemical storage in the buildings was performed by EnviroMed on February 8, 2000.

The subject site is comprised of the former International Silver Company, located on Cooper Street in Meriden, CT (see Figure 1 in Attachment A). The buildings that were inspected are unoccupied and are in disrepair. Former operations at the site were the former C. Rogers and Brothers Silverware Company from circa 1867 to circa 1903. More recently the buildings were occupied by the International Silver Company. A detailed walk-through was completed for interior and exterior areas at the subject site to inventory hazardous/regulated materials. Attachment B includes a site map of the property referencing the locations of buildings and other prominent features. The HMA has been completed and is summarized below.

Building A

Building A is a rectangular brick structure with three separate sections; a one story open area with a saw tooth roof (south section), a three story section (center section), and a smaller four story wing (north section).

South Section

First Floor

Open area consisting of wooden floors covered by solid waste debris composed of wooden boxes, bottles, cans, and broken pipes. Areas of flooring have collapsed into a sub-floor which contains water and piping.

Multiple fluorescent lighting fixtures were observed throughout this section of the building (potential for polychlorinated biphenyls in ballasts and potential for mercury in fluorescent lamps).

Chemical storage noted was a 20-gallon drum with residual oil/petroleum product (small storage room ,west side), empty 55-gallon drum (large storage room, west side), northwest side near staircase a sump pump with possible oil residue, and west side pump room- 5 concrete pads oil stained, 9ft x 4ft cutout in floor with residual oil, 30-gallon empty drum, 5-gallon bucket of tar, and a 40-gallon empty drum.

There was a floor drain on the south end, no staining or unusual odors were noted. Located on the west side underneath a stairwell is a water tank with an observed mercury switch.

Two interior monitoring wells within the concrete floor were noted in the south end of this floor.

Three-Story Section

First Floor

This area noted heavy accumulation of wooden boxes, discarded pipes and other solid waste debris.

Second Floor

Fluorescent lighting with ballasts in the stairway and in the main floor area was observed.

A mercury thermostatic switch was observed on the east wall adjacent to the freight elevator.

Seven cans of spray paint and two 1-gallon containers of paint were observed.

Two wall-mounted transformers were observed on the west wall and one wall-mounted transformer (E-19) was observed in center of the room, all these transformers were older type typically liquid filled (potential PCBs).

Two dust collectors were observed on the south adjacent roof (possible residue).

Third Floor

Fluorescent lighting with ballasts in the stairway and in the main floor area was noted. Two wall-mounted transformers were observed on this floor.

Fifteen 5-gallon pails of roofing cement were observed to be partially full with the wooden floor stained (100 square feet of floor staining). An approximate 100 square foot area of potential corrosive residue was observed on the wooden floor. Exhaust ducts with possible residue were noted in this south section.

Four-Story Section

Basement

The basement consisted of brick columns, piping and water pumps. EnviroMed inspected the basement in a limited fashion due to ice on the floor and unknown confined space issues.

First Floor

Located on the west side is a raised water tank with an observed mercury switch.

Second Floor

Heavy debris was noted on the floor consisting of wood boards, trash, paper, and furniture.

A mercury thermostatic switch was noted on the west wall of this room.

Third Floor

Fluorescent lighting with ballasts were noted on this floor.

Fourth Floor

Ducting in the northwest corner of this area with possible residue was observed. Black ash was noted on the wooden floor adjacent to the freight elevator (approximately 20' x 20').

A mercury thermostatic switch was observed on the north wall of this floor.

Building B- Former Transformer Building

Two-story brick building formerly housing transformers (PCB status of former transformers unknown). No stained surfaces were noted in this building. All electrical equipment has been removed. Two fluorescent fixtures on the first floor and two fluorescent fixtures on the second floor were observed. A sub-floor filled with trash (e.g., bottles, paper and cans) was noted for this building.

Building C -Boiler House

Two-story brick building which was formerly utilized as the steam generating power plant for the facility. On the east side of the boiler house is an attached tank bunker building. According to the map located in Attachment B depicted as Item 1, (map generated by WESTON, dated 7/10/97) the tanks in the bunker are two 20,000-gallon diesel oil being described as under ground storage tanks (USTs). EnviroMed did not observe evidence of two tanks (i.e., top of tanks observed). During the HMA, it could not be determined if oil remains in the tanks.

First Floor

The first floor consisted of concrete covered with debris- trash, bottles, tires, broken furniture, and discarded pipes.

Observed in the northeast corner was the oil pump and oil lines with observed oil staining on the concrete wall and floor area (5' x 5').

All the mechanical equipment noted on the first floor was disconnected.

Second Floor

Two gas/oil fired boilers were observed.

One light ballast in a fluorescent fixture on the second floor was observed.

Exterior Areas

Potential suspect Areas of Environmental Concern (AOEC) associated with exterior areas are indicated on Attachment B. Descriptions of these AOEC are described in this section and are based upon the map generated by WESTON from previous assessment data and observations made by EnviroMed.

AOEC Item 4 reportedly is a gasoline UST. Evidence for this UST was observed by EnviroMed, with a three inch fill pipe noted south of the boiler house (gasoline odor noted at the fill pipe).

South of the boiler house is the 150,000-gallon above grade water tank.

Areas to the northeast and north of the boiler house are described as open fields with low vegetation and a debris pile to the northeast consisting of soil, pipes and concrete. Two additional debris piles were observed southwest and southeast of the boiler house (i.e., concrete, soil and steel).

A total of three monitoring wells were noted in the north and northeast section of the property. Additionally, five monitoring wells were observed west and south of the boiler house.

Running through the center of the Site is Harbor Brook flowing from north to south. Some debris was noted in river bed (e.g., tires, pipes, and trash). Several discharge pipes in the west bank masonry wall- one 20" clay pipe and numerous smaller outlets were observed. No current discharges were observed.

Item 3 depicted on the map in Attachment B reportedly is a 10,000-gallon wastewater UST. EnviroMed did observed evidence for the wastewater UST (i.e., top of the tank).

Item 13 on the map is a reported dry well. EnviroMed did observed that there was a slight depression in the ground surface in this located, although it could not be determined if this is the location of the reported dry well due to the snow cover.

Twenty-five exterior dust collectors connected to the east wall of Building A were observed. Dusty residue to soil was found beneath the dust collectors.

Item 6 on the map is the reported location of fill pipes for five potential USTs. EnviroMed did observed two fill pipes in this location. Snow cover limited the view of the ground surface.

South of Building B is a concrete pad with a fence indicating a high voltage area (potential electrical transformer). Adjacent to the concrete pad is two concrete tank supports (typical of an above ground tank). Adjacent to the tank supports is evidence for a UST, where a three inch fill pipe was observed underneath a wooden hatch.

A reported 1,000-gallon kerosene UST is depicted as Item 2 on the map. EnviroMed did see evidence for this UST with steel piping typical of a UST fill being present.

On the southwest exterior of the Site is an alleyway with four 55-gallon drums, contents of the drums are unknown.

The northwest section in a small courtyard off of the property near the Veterans Memorial Medical Center noted a vent and fill pipe for a UST.

Due to the planned demolition and remediation activities at the subject site, EnviroMed details the following potential environmental concerns and recommendations relating to the buildings at the Site.

1. Proper handling, transport and disposal of the fluorescent lighting ballasts shall follow all applicable regulations. Prior to demolition of the buildings, approximately 250 standard size fluorescent lighting ballasts shall be dismantled, drummed, shipped and disposed of. The fluorescent lights possess ballasts that may contain polychlorinated biphenyls (PCBs) or diethyl hexyl phthalate (DEHP). DEHP is a listed hazardous waste as referenced in 40 CFR 261. The hazardous waste number given to DEHP is U028. Assume DEHP-containing ballasts, which shall be disposed of at a hazardous waste landfill.
2. Approximately 25 fluorescent bulbs (4 foot and 8 foot length bulbs) potentially mercury-containing shall be dismantled, packaged, transported and dispose of according to all applicable regulations. Assume mercury-containing lamps, which shall go for reclamation at a lamp recycling facility. Mercury-containing lamps should never be incinerated.
3. If the old type transformers within the buildings contain dielectric fluid, they should be sampled and sent to a laboratory for PCB verification analysis. The fluid should be drained, transported and then properly disposed/reclaimed depending on its PCB status.

4. Mercury switches identified within the buildings shall be packaged for shipment as hazardous waste, and disposed of as mercury hazardous waste or be sent for recycling at an approved facility. Mercury switches must never be incinerated or disposed of in the trash.
5. Residues and/or staining within the duct work, dust collectors and on floor areas shall be waste characterized prior to clean-up of the waste. Once the waste(s) are identified they shall be properly transported and disposed of in accordance with all applicable regulations.
6. The USTs identified should be sampled for contents in accordance with Connecticut DEP and EPA requirements. Samples should also be obtained from the soil beneath the tanks and around the piping to determine possible leakage of material into the surrounding soil. All tank removals should be by a licensed contractor familiar with tank removal techniques and following CTDEP and EPA requirements for UST closures.
7. All the chemicals within containers, drums and mechanical systems that were identified within the site buildings shall be disposed of in accordance with all applicable regulations. Any containers or drums that are unknown as to their contents shall undergo sampling for waste characterization. Proper transport and disposal shall be completed by a certified Contractor to an approved disposal facility.

Costs for the above summarized hazardous materials for the Site will be provided under separate cover.

LIMITATIONS ON WORK

EnviroMed Services, Inc. warrants that all work performed on this Project has conformed to the previously submitted written scope of work. EnviroMed further warrants that all professional services were performed to the professional standards current at the time this work was performed.

EnviroMed's work for this Project was performed in accordance with generally accepted practices of other consultants undertaking similar studies at the same time and in the same geographical area, and EnviroMed observed the degree of care and skill generally exercised by other consultants under similar circumstances and conditions. Specifically, EnviroMed does not and cannot represent that the Site contains no hazardous material, oil or other latent condition beyond that observed by EnviroMed during its site assessment.

The hazardous materials portion of this work did not assess the subsurface regarding latent conditions of soil, ground water or surface waters which may be the result of on-site or off-site sources.

Areas were snow covered during the time of the inspection, which limited the view of the Site ground surfaces. The basement level in the four-story section of Building A was not inspected due to icy floor conditions and potential confined space issues.

This study and report was prepared on behalf of and for the exclusive use of GZA GeoEnvironmental, Inc. This report and the findings contained herein shall not, in whole or in part, be disseminated or conveyed to any other party, nor used by any other party in whole or in part, without the prior written consent of GZA GeoEnvironmental, Inc. However, EnviroMed acknowledges and agrees that the Report may be conveyed to the legal counsel of GZA GeoEnvironmental, Inc. EnviroMed's Aggregate Liability to those relying on our report is limited to the amount set forth in the terms and conditions of our contract with GZA GeoEnvironmental, Inc.

Attachment A - Figure 1

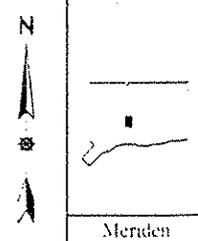
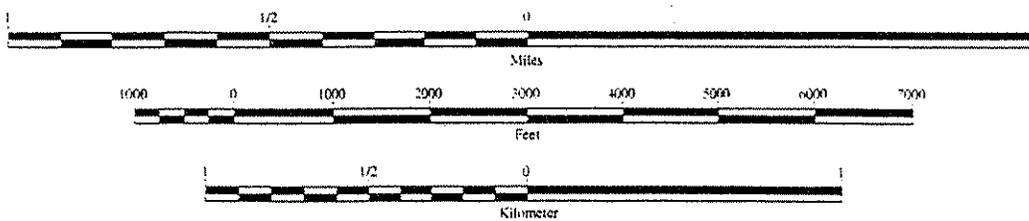


Figure 1
Site Location

ENVIROMED SERVICES INC.
New Haven, Connecticut

Project Name : **International Silver - Factory H**
Cooper Street
Meriden, Connecticut

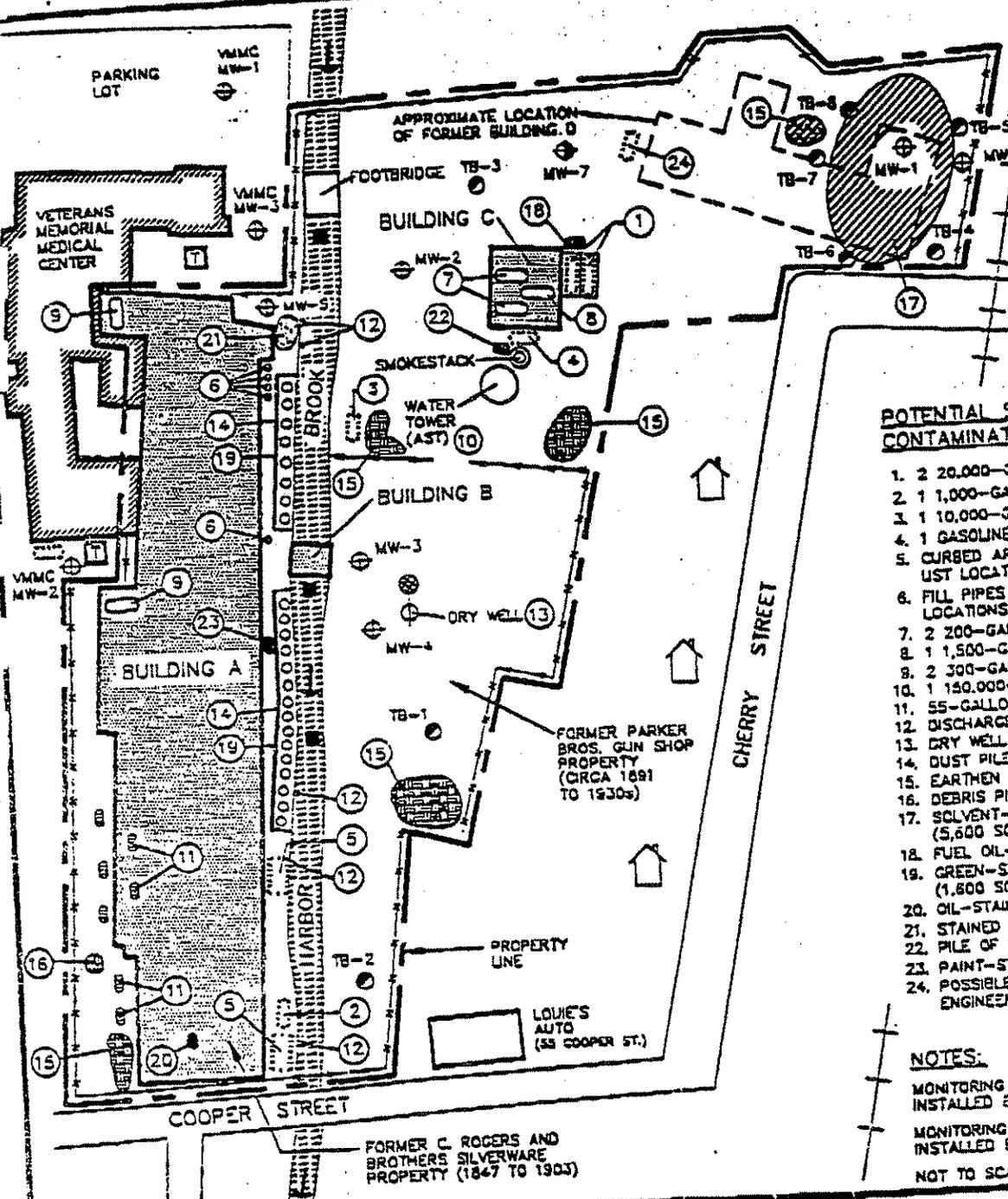
Date : February 8, 2000



Meriden

Attachment B - Site Map





POTENTIAL SOURCE AREAS OF CONTAMINATION

1. 2 20,000-GALLON DIESEL OIL USTs
2. 1 1,000-GALLON KEROSENE UST
3. 1 10,000-GALLON WASTEWATER UST
4. 1 GASOLINE UST
5. CURBED AREAS INDICATING POSSIBLE UST LOCATIONS
6. FILL PILES INDICATING POSSIBLE UST LOCATIONS
7. 2 200-GALLON ASTs
8. 1 1,500-GALLON AST
9. 2 300-GALLON ASTs
10. 1 150,000-GALLON AST (WATER TOWER)
11. 55-GALLON DRUMS (APPROXIMATELY 12) DISCHARGE PIPES
12. DRY WELL
13. DRY WELL
14. DUST PILES BENEATH DUST COLLECTORS
15. EARTHEN MATERIAL, SCRAP, DEBRIS PILES
16. DEBRIS PILE (GLASS MEDICAL SLICES)
17. SOLVENT-CONTAMINATED SOIL (5,600 SQ. FT.)
18. FUEL OIL-STAINED SOIL (15 SQ. FT.)
19. GREEN-STAINED SOIL BENEATH OIL ST PILES (1,800 SQ. FT.)
20. OIL-STAINED WOODEN FLOOR (30 SQ. FT.)
21. STAINED CONCRETE (40 SQ. FT.)
22. PILE OF INSULATION MATERIAL (10 SQ. FT.)
23. PAINT-STAINED SOIL (10 SQ. FT.)
24. POSSIBLE UST IDENTIFIED BY ICF KAISER ENGINEERS, INC.

NOTES:

MONITORING WELLS MW-1 THROUGH MW-5 INSTALLED BY HRP ASSOCIATES, INC.
 MONITORING WELLS MW-6 AND MW-7 INSTALLED BY ICF KAISER ENGINEERS, INC.
 NOT TO SCALE

LEGEND

- | | | | | | | | | | | | | | | | | | |
|-----------------------------------|--------------------------------------|-------------------------------------|----------------------------|--------------|-------------------|---------|------------------------------------|-----------------|------------------|-------------|---------------|--|---------------|--------|----------------------------------|----------------------------------|----------------|
| ⊕ DEEP OVERBURDEN MONITORING WELL | ⊕ SHALLOW OVERBURDEN MONITORING WELL | ⊕ HRP SURFACE WATER SAMPLE LOCATION | ⊕ HRP SOIL BORING LOCATION | ⊕ CATCHBASIN | ⊕ RAILROAD TRACKS | ⊕ FENCE | ⊕ DUST COLLECTOR AREA (DUST PILES) | ⊕ SURFACE WATER | → FLOW DIRECTION | ⊕ RESIDENCE | ⊕ DEBRIS PILE | ⊕ ESTIMATED AREA OF SOIL CONTAMINATION | ⊕ TRANSFORMER | ⊕ DRUM | ⊕ UNDERGROUND STORAGE TANK (UST) | ⊕ ABOVEGROUND STORAGE TANK (AST) | ⊕ CURBED AREAS |
|-----------------------------------|--------------------------------------|-------------------------------------|----------------------------|--------------|-------------------|---------|------------------------------------|-----------------|------------------|-------------|---------------|--|---------------|--------|----------------------------------|----------------------------------|----------------|

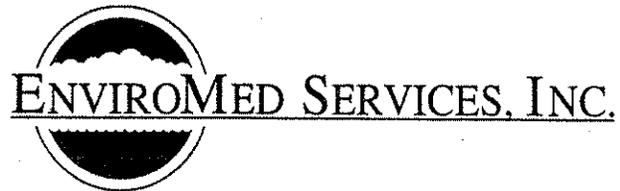
SITE SKETCH
 INTERNATIONAL SILVER CO.
 FACTORY H
 COOPER STREET
 MERIDEN, CONNECTICUT



REGION I SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM

TDD # 98-05-0098 DRAWN BY: W. SHAW DATE 7/10/97

FILE NAME: P:\BSA\97050026\FIGURES\INSILCO2 **FIGURE 2**



**Asbestos, Lead and Hazardous
Waste Inspection Report**

for

**International Silver Company
Cooper Street
Meriden, Connecticut**

prepared for:

GZA GeoEnvironmental
27 Naek Road
Vernon, Connecticut

February 10, 2000

EnviroMed Project #

IH-00-057

25 Science Park • New Haven, CT 06511
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I. PROJECT NARRATIVE

Overview

On February 10, 2000, a state-licensed inspector from EnviroMed Services, Inc. (EnviroMed) performed an inspection at the International Silver Company, located in Meriden, Connecticut. The purpose of this inspection was to identify the presence of asbestos-containing materials so that any asbestos in suspect building materials could be removed prior to renovation or demolition.

Samples were collected according to 40 CFR Part 763.86 and 29 CFR Part 1926.1101, and analyzed using Polarized Light Microscopy (PLM).

A total of one hundred thirteen (113) bulk samples were collected from Building A (main factory). The bulk materials sampled include: 2" magnesium pipe and associated joint insulation, 4" magnesium pipe and associated joint insulation, 8" magnesium pipe and associated joint insulation, 2" aircell pipe and associated joint insulation, tank insulation, 9"x9 tan vinyl floor tile and mastic, 9"x9" gray vinyl floor tile and mastic, wire insulation, wall plaster top coat, wall plaster base coat, transite board, 9"x9" green vinyl floor tile and mastic, 9"x9" brown vinyl floor tile and tar paper, 9"x9" red vinyl floor tile and tar paper, Section 2 built-up roofing layers 1-4, Section 2 roof flashing layers 1-2, skylight window glazing, skylight built-up roofing layers 1-4, skylight roof flashing layers 1-2, transite siding on skylight wall, Section 3 roof pipe penetration flashing, Section 3 built-up roofing layers 1-3, Section 3 roof flashing layers 1-2, exterior window caulk on Section 3 skylight windows, Section 1 built-up roofing layers 1-3, Section 1 roof flashing cement, Section 3 window glaze, and Section 1-2 window glaze.

A total of forty-nine (49) bulk samples were collected from Building C (Boiler House). The bulk materials sampled include: 2" magnesium silicate pipe and associated joint insulation, 4" magnesium silicate pipe and associated joint insulation, 8" magnesium silicate pipe and associated joint insulation, tank insulation, breaching insulation, boiler insulation, boiler breaching caulk, boiler rope gasket, window glaze, window caulk, oil tank surfacing, roofing layers 1-3, roof flashing, and oil tank mechanical systems roofing shingles and underlying flashing paper.

Refer to Section II, Bulk Sample Location Diagrams, for bulk sample locations and identification.

Summary of Results

EnviroMed Services, Inc. accredited asbestos laboratory (NVLAP #1514) analyzed the bulk samples. Section III presents the complete list of analytical results for samples collected. The following presents the locations and estimated quantities of materials found to contain asbestos greater than 1.0 percent.

Building A, Factory

First Floor

Section 1-3, Factory Floor

This area is contaminated with significant amount of asbestos containing thermal system insulation which is damaged and lying on the ground.

There is approximately 1,600 linear feet of 8" magnesium pipe insulation found to contain 45 percent asbestos, and associated elbow and fitting insulation found to contain 15 percent asbestos.

There is approximately 1,600 linear feet of 4" magnesium pipe insulation found to contain 25 percent asbestos, and associated elbow and fitting insulation found to contain 60 percent asbestos.

There is approximately 1,600 linear feet of 2" magnesium pipe insulation found to contain 40 percent asbestos, and associated elbow and fitting insulation found to contain 58 percent asbestos.

There is approximately 100 square feet of magnesium tank insulation found to contain 40 percent asbestos.

Section 1 Storage B Area

There is approximately 40 linear feet of 2" magnesium pipe insulation found to contain 40 percent asbestos, and associated elbow and fitting insulation found to contain 58 percent asbestos.

Second Floor

Section 2

There is approximately 200 linear feet of 4" aircell pipe insulation found to contain 25 percent asbestos, and associated elbow and fitting insulation found to contain 60 percent asbestos.

There is approximately 200 linear feet of 2" magnesium pipe insulation found to contain 40 percent asbestos, and associated elbow and fitting insulation found to contain number 58 percent asbestos.

Section 3

Offices

There is approximately 400 square feet of 9"x9" red floor tile found to contain 5 percent asbestos. The tar paper under 9" under 9" red vinyl floor tile was found to contain no asbestos.

There is approximately 1,000 square feet of 9"x9" brown floor tile found to contain 13 percent asbestos.

Executive Bathroom

There is approximately 300 square feet of 9"x9" green floor tile and mastic underneath found to contain 7 percent and 22 percent asbestos, respectively.

There is approximately 40 linear feet of 2" magnesium pipe insulation found to contain 40 percent asbestos, and associated elbow and fitting insulation found to contain 58 percent asbestos.

Locker Room # 1

There is approximately 20 linear feet of 2" magnesium pipe insulation found to contain 40 percent asbestos, and associated elbow and fitting insulation found to contain 58 percent asbestos.

There is approximately 20 linear feet of 4" magnesium pipe insulation found to contain 25 percent asbestos, and associated elbow and fitting insulation found to contain 60 percent asbestos.

Locker Room # 2

There is approximately 15 linear feet of 2" magnesium pipe insulation found to contain 40 percent asbestos, and associated elbow and fitting insulation found to contain 58 percent asbestos.

There is approximately 5 linear feet of 2" aircell pipe insulation found to contain 45 percent asbestos, and associated elbow and fitting insulation found to contain 15 percent asbestos.

Men's Room

There is approximately 300 square feet of 9"x9" green floor tile and related mastic found to contain 7 percent and 22 percent asbestos, respectively.

Women's Room

There is approximately 300 square feet of 9"x9" green floor tile and related mastic found to contain 7 percent and 22 percent asbestos, respectively.

Third Floor

Section 2

Mens Locker Room

There is approximately 25 linear feet of 2" aircell pipe insulation found to contain 45 percent asbestos, and associated elbow and fitting insulation found to contain 15 percent asbestos.

Womens Locker Room

There is approximately 25 linear feet of 2" aircell pipe insulation found to contain 45 percent asbestos, and associated elbow and fitting insulation found to contain 15 percent asbestos.

There is approximately 25 linear feet of 4" aircell pipe insulation found to contain 45 percent asbestos, and associated elbow and fitting insulation found to contain 15 percent asbestos.

There is approximately 100 square feet of magnesium tank insulation found to contain 40 percent asbestos.

Main Floor

There is approximately 200 linear feet of 2" magnesium pipe insulation found to contain 40 percent asbestos, and associated elbow and fitting insulation found to contain 58 percent asbestos.

There is approximately 400 linear feet of 2" fiberglass pipe insulation associated with mudded fittings found to contain 20 percent asbestos.

Section 3

Main Floor

There is approximately 100 linear feet of 2" aircell pipe insulation found to contain 45 percent asbestos, and associated elbow and fitting insulation found to contain 15 percent asbestos.

There is approximately 20 linear feet of 2" magnesium pipe insulation found to contain 40 percent asbestos, and associated elbow and fitting insulation found to contain 58 percent asbestos.

There is approximately 50 linear feet of 4" magnesium pipe insulation found to contain 25 percent asbestos, and associated elbow and fitting insulation found to contain 60 percent asbestos.

Fourth Floor

Section 3

Stairwell

There is approximately 100 square feet of transite found to contain 25 percent asbestos.

Main Floor

There is approximately 100 linear feet of 2" aircell pipe insulation found to contain 45 percent asbestos, and associated elbow and fitting insulation found to contain 15 percent asbestos.

There is approximately 20 linear feet of 2" magnesium pipe insulation found to contain 40 percent asbestos, and associated elbow and fitting insulation found to contain 58 percent asbestos.

There is approximately 50 linear feet of 4" magnesium pipe insulation found to contain 25 percent asbestos, and associated elbow and fitting insulation found to contain 60 percent asbestos.

Roof Section 1

Main Roof

There is approximately 17,000 square feet of built-up roofing found to contain 20 percent asbestos.

There is approximately 800 square feet of flashing cement found to contain 20 percent asbestos.

Section 1 Roof A

There is approximately 900 square feet of built-up roofing assumed to be asbestos containing unless lab results prove otherwise.

There is approximately 150 square feet of flashing cement assumed to be asbestos containing unless lab results prove otherwise.

Section 1 Roof B

There is approximately 900 square feet of built-up roofing assumed to be asbestos containing unless lab results prove otherwise.

There is approximately 130 square feet of flashing assumed to be asbestos containing unless lab results prove otherwise.

Section 1 Mechanical Roof

There is approximately 900 square feet of built-up roofing assumed to be asbestos containing unless lab results prove otherwise.

There is approximately 150 square feet of flashing cement assumed to be asbestos containing unless lab results prove otherwise.

Roof Section 2, Main Roof

There is approximately 850 square feet of roof flashing found to contain 50 percent asbestos.

There is approximately 1,360 square feet of transite found to contain 30 percent asbestos.

Roof Section 2, Skylight Roof

There is approximately 360 square feet of flashing found to contain 20 percent asbestos.

Roof Section 3, Main Roof

There is approximately 3,000 square feet of built-up roofing found to contain 5 percent asbestos.

There is approximately 250 linear feet of skylight exterior window caulk found to contain 15 percent asbestos.

There is approximately 220 square feet of flashing found to contain 10 percent asbestos.

Building B (Shed)

There is approximately 25 linear feet of 2" aircell pipe insulation found to contain 45 percent asbestos, and associated elbow and fitting insulation found to contain 15 percent asbestos.

Building B Roof

There is approximately 225 square feet of built-up roofing assumed to be asbestos containing unless laboratory results prove otherwise.

There is approximately 60 square feet of flashing cement assumed to be asbestos containing.

Building C (Boiler House)

Basement

There is approximately 50 linear feet of 2" aircell pipe insulation found to contain 45 percent asbestos, and associated elbow and fitting insulation found to contain 15 percent asbestos.

There is approximately 50 linear feet of 4" aircell pipe insulation found to contain 60 percent asbestos, and associated elbow and fitting insulation found to contain 50 percent asbestos.

There is approximately 10 linear feet of rope gasket material found to contain 50 percent asbestos.

Boiler Floor

There is approximately 100 linear feet of 2" aircell pipe insulation found to contain 45 percent asbestos, and associated elbow and fitting insulation found to contain 15 percent asbestos.

There is approximately 100 linear feet of 4" aircell pipe insulation found to contain 60 percent asbestos, and associated elbow and fitting insulation found to contain 50 percent asbestos.

There is approximately 100 linear feet of 8" aircell pipe insulation found to contain 70 percent asbestos, and associated elbow and fitting insulation found to contain 50 percent asbestos.

There is approximately 100 square feet of magnesium tank insulation found to contain 50 percent asbestos.

There is approximately 40 linear feet of boiler burner caulk found to contain 20 percent asbestos.

There is approximately 2,000 square feet of breaching insulation found to contain 20 percent asbestos.

There is approximately 1,500 square feet of boiler insulation found to contain 55 percent asbestos.

Boiler House Roof

There is approximately 2,400 square feet of built -up roofing found to contain 20 percent asbestos.

There is approximately 200 square feet of flashing cement found to contain 20 percent asbestos.

Boiler House exterior

There is approximately 1200 square feet of oil tank surfacing found to contain 10 percent asbestos.

There is approximately 340 linear feet of exterior window glazing found to contain 15 percent asbestos.

Non-Asbestos Containing Materials Found During the Inspection

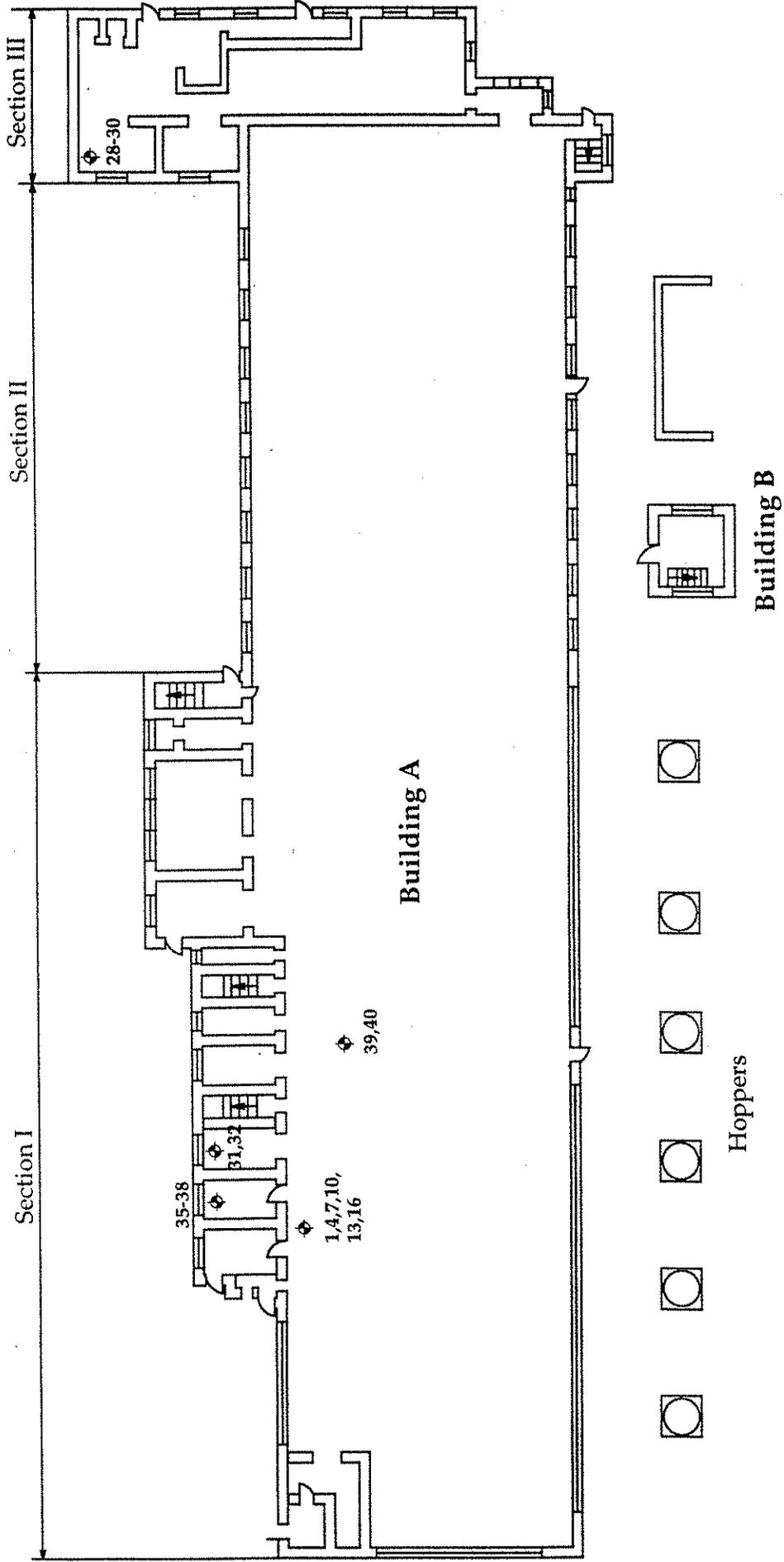
The following materials were found to contain legally insignificant amounts (0-1 percent) of asbestos: 9"x9" tan floor tile, wire insulation, wall plaster top coat and base coat, tar paper under 9"x9" brown and 9"x 9" red floor tile, Section 2 roofing layers 1-4, Section 2 skylight roofing layers 1-4, Section 2 window glazing, and Section 3 window glazing.

See Section IV for a copy of the laboratory analysis sheets for the samples collected.

Additional Notes:

1. In case where the vinyl floor tile is found to contain no asbestos, but the mastic beneath the vinyl floor tile is found to contain asbestos, the vinyl floor tile is considered to be asbestos contaminated due to the fact that separation of mastic from vinyl floor tile is not technically feasible.
2. EnviroMed strongly recommends the use of Transmission Electron Microscopy (TEM) on vinyl floor tiles in cases where both the vinyl floor tile and flooring mastic were found to contain 1% or less asbestos using Polarized Light Microscopy (PLM). PLM has been found to give "false negative" results on floor tile samples due to the fact that the asbestos fibers are tightly bound into the matrix of the floor tile. As a result the asbestos cannot be easily detected using PLM. The use of the TEM analytical method will definitively determine whether or not the floor tile contains legally significant amounts of asbestos.
3. The possibility exists that suspect asbestos-containing materials may be located behind fixed walls, under fixed flooring or above fixed ceilings. During renovation activities, upon the penetration or demolition of a fixed wall or ceiling, should any suspect materials be seen or become accessible, all activities shall cease and the materials shall be sampled by a licensed inspector to determine the presence of asbestos.
4. The Building B roof and Building C shed were not accessible during this inspection. Further inspection is recommended.

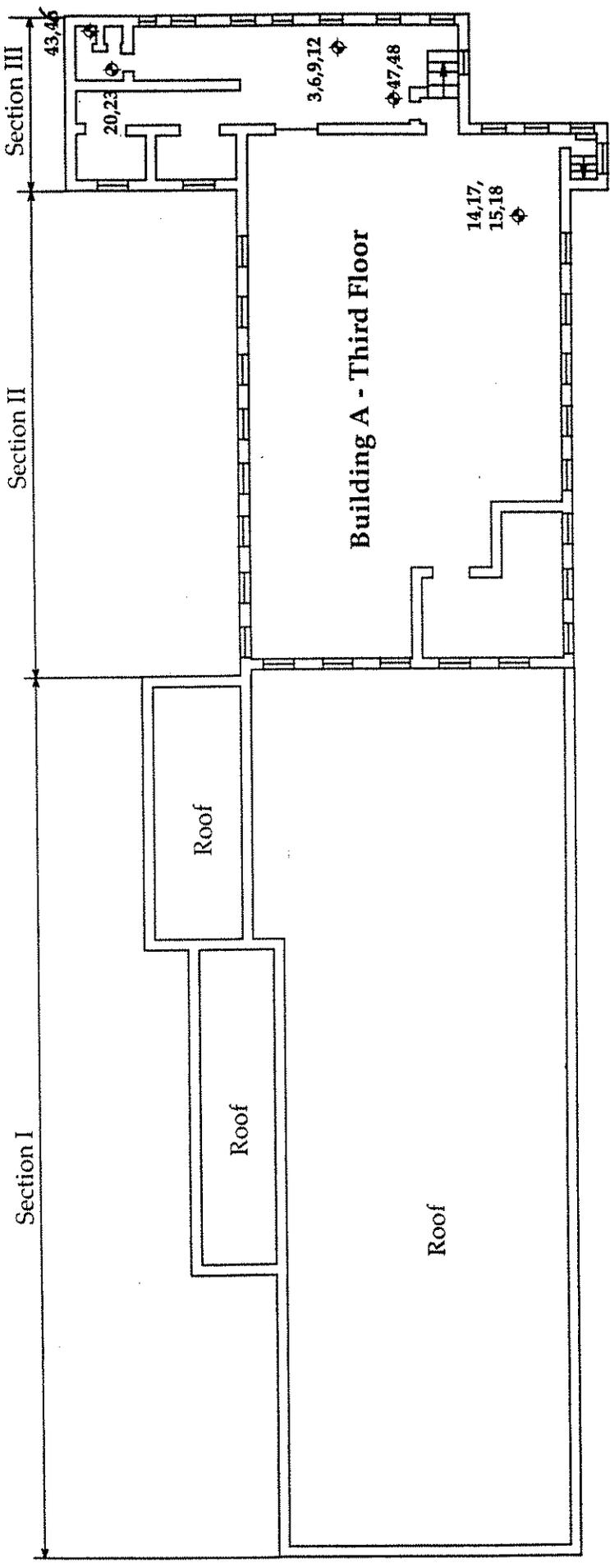
II. SAMPLE LOCATION DIAGRAMS



Legend:

◆ = Sample Number & Location

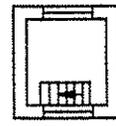
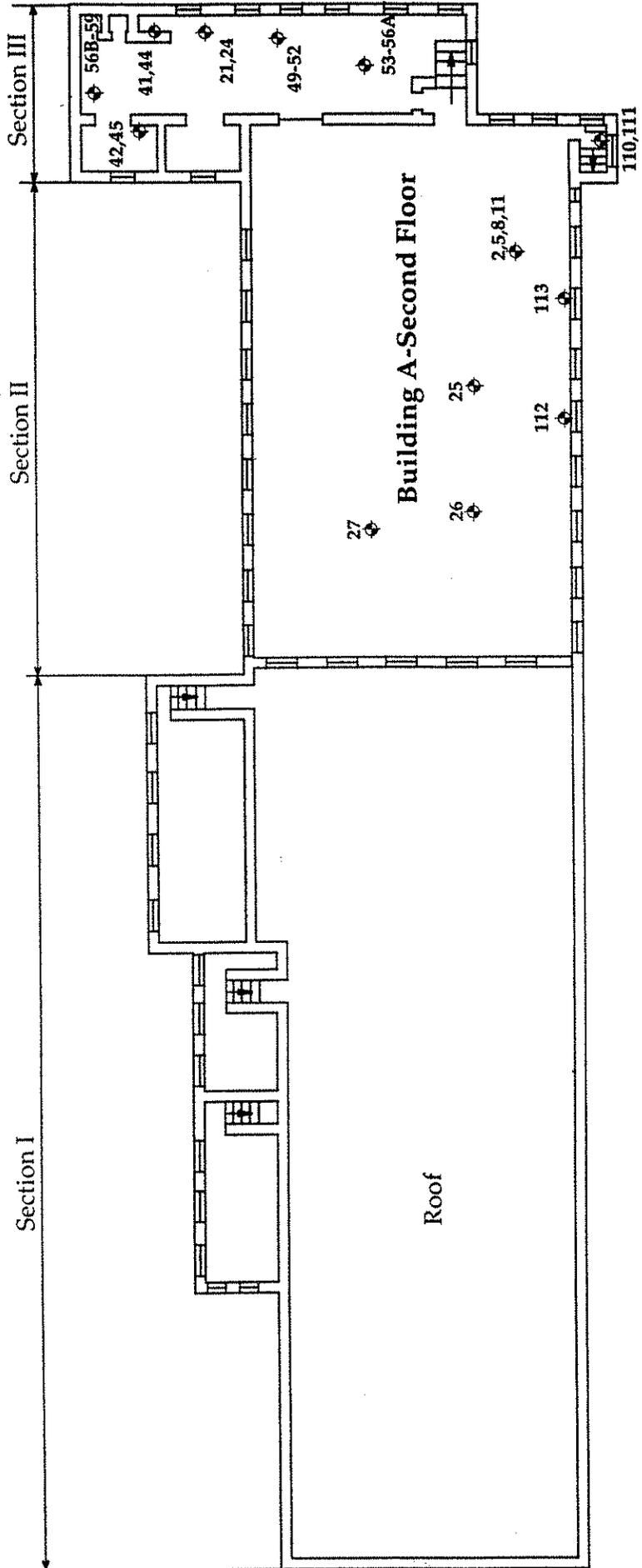
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DATE	MARK	DESCRIPTION	
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		Drawing No. 1	
		Date: 02/19/00	
		Scale: N.T.S.	
		Drawn By: L.X.	
		Approved By: T.B.	
		Prepared for: GZA Geo Environmental, Inc. 27 Nash Road Vermont, Connecticut	
		Project: International Silver Co. Buildings A & B - First Floor Copper Street, Meriden, Connecticut	
		Prepared by: EnviroMed Services, Inc. 25 Science Park, New Haven, CT 06511	
		Drawing No. 1	



Legend:

◇ = Sample Number & Location

REVISIONS		Drawing Title: Asbestos Bulk Sample Location Diagram			
DATE	NAME	DESCRIPTION	Date: 02/10/00	Scale: N.T.S.	Drawn By: L.X.
			Prepared by: EnviroMed Services, Inc. 25 Science Park, New Haven, CT 06511		Approved By: P.B.
			Project: International Silver Co. Building A - Third Floor Copper Street, Meriden, Connecticut		Drawing No. 3
			Prepared for: GZA Geo Environmental, Inc. 27 Nook Road Vernon, Connecticut		
			ENS # BE-00-057		



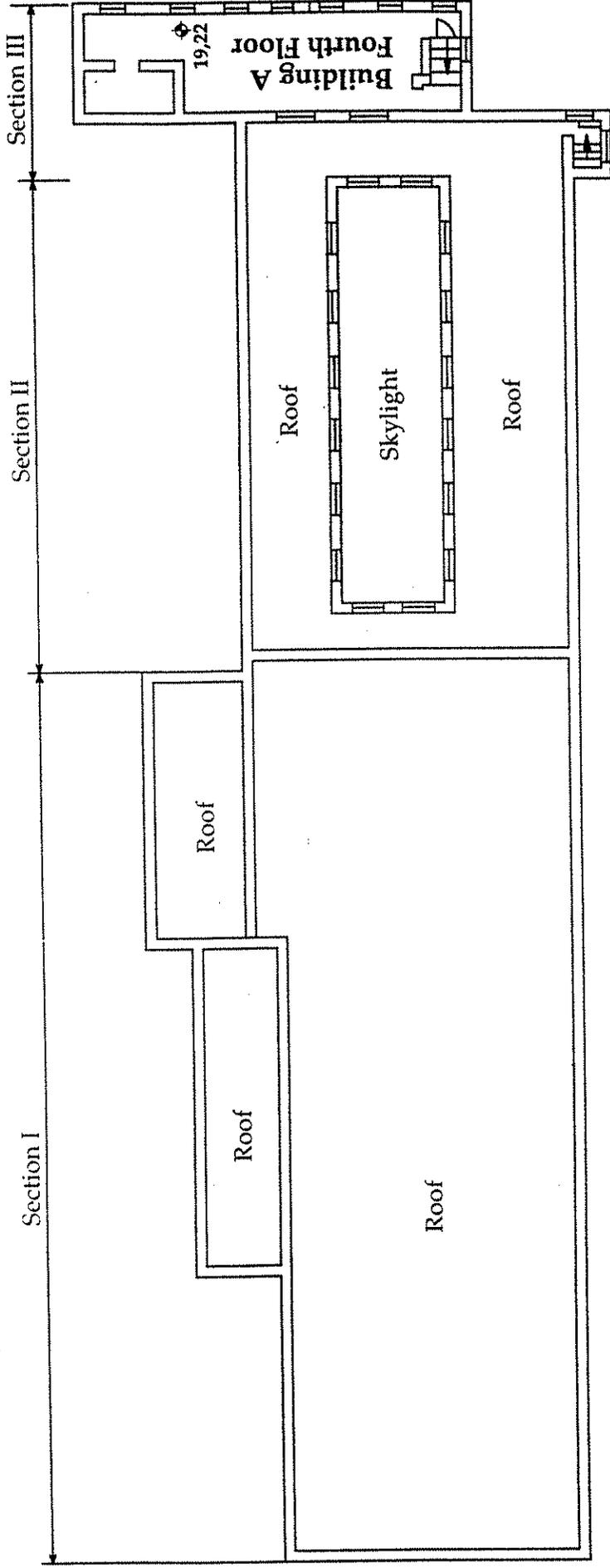
Building B

Legend:

⊕ = Sample Number & Location

REVISIONS	DATE	MARK	DESCRIPTION

Drawing Title: Asbestos Bulk Sample Location Diagram	
Prepared by: EnviroMed Services, Inc. 25 Science Park, New Haven, CT 06511	Date: 02/10/00
Project: International Silver Co. Buildings A & B - Second Floor Camper Street, Meriden, Connecticut	Scale: N.T.S.
Prepared for: CZA Geo Environmental, Inc. 27 Naak Road Vernon, Connecticut	Drawn By: L.X.
BMS # 110-0157	Approved By: T.B.
	Drawing No. 2

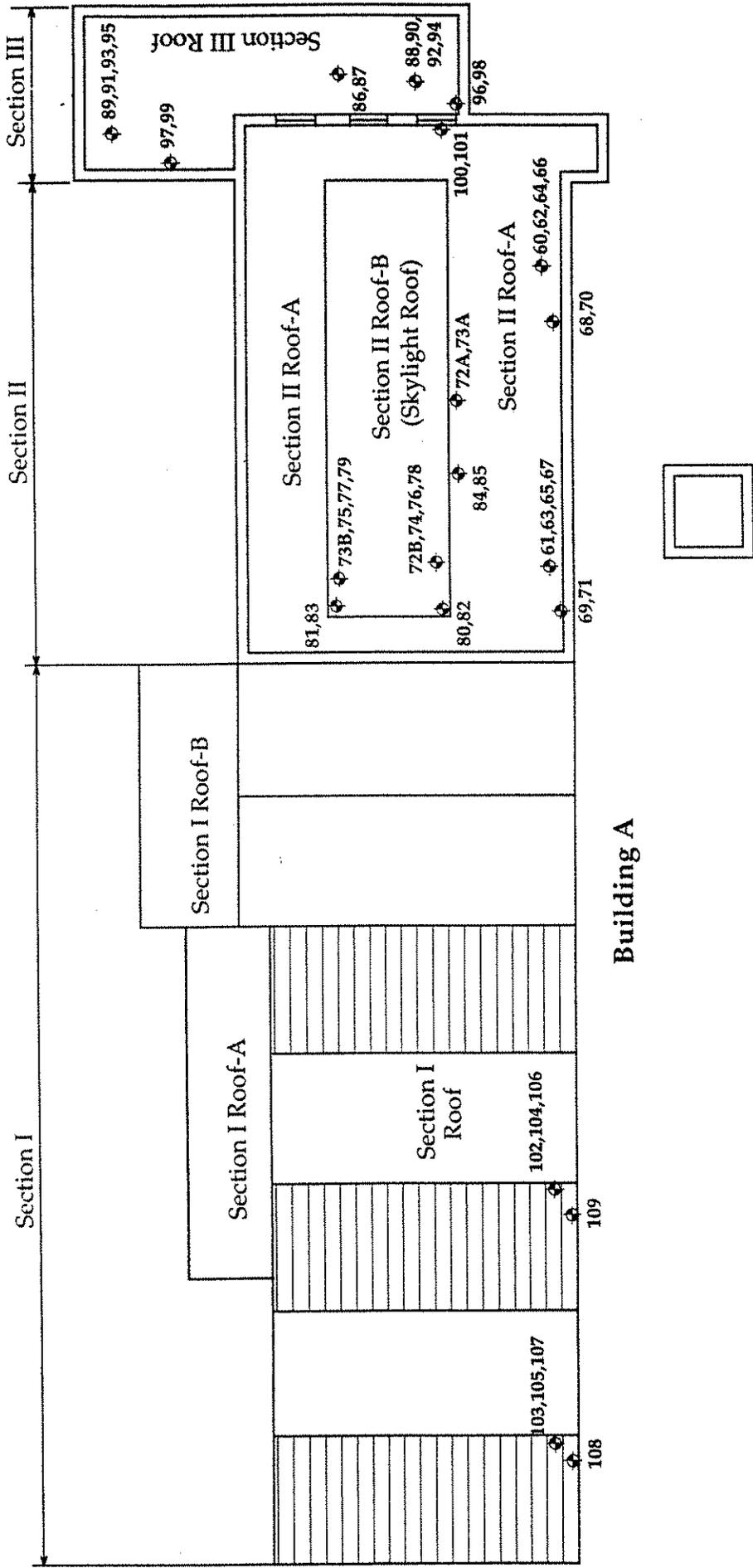


Legend:

◆ = Sample Number & Location

REVISIONS	DATE	MARK	DESCRIPTION

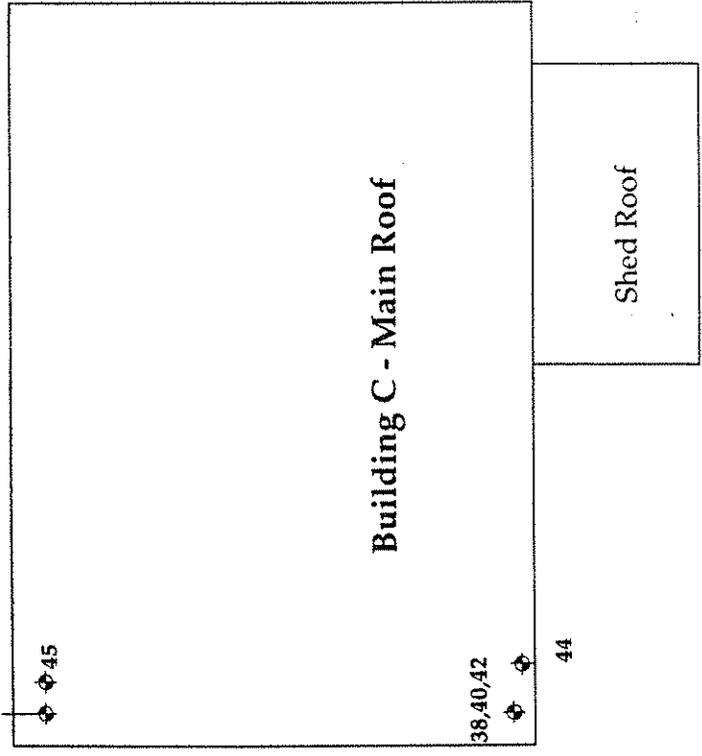
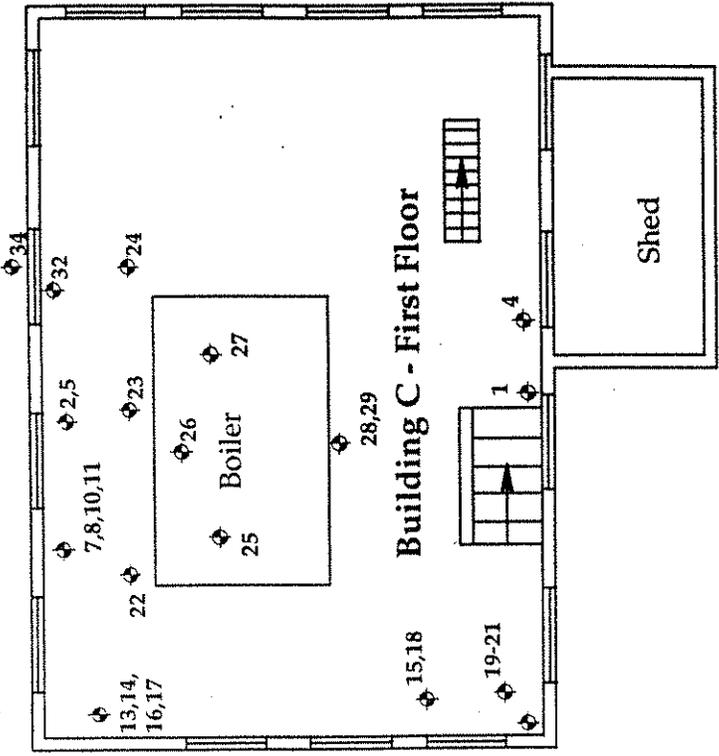
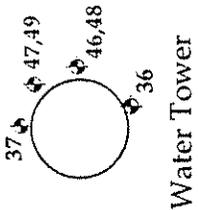
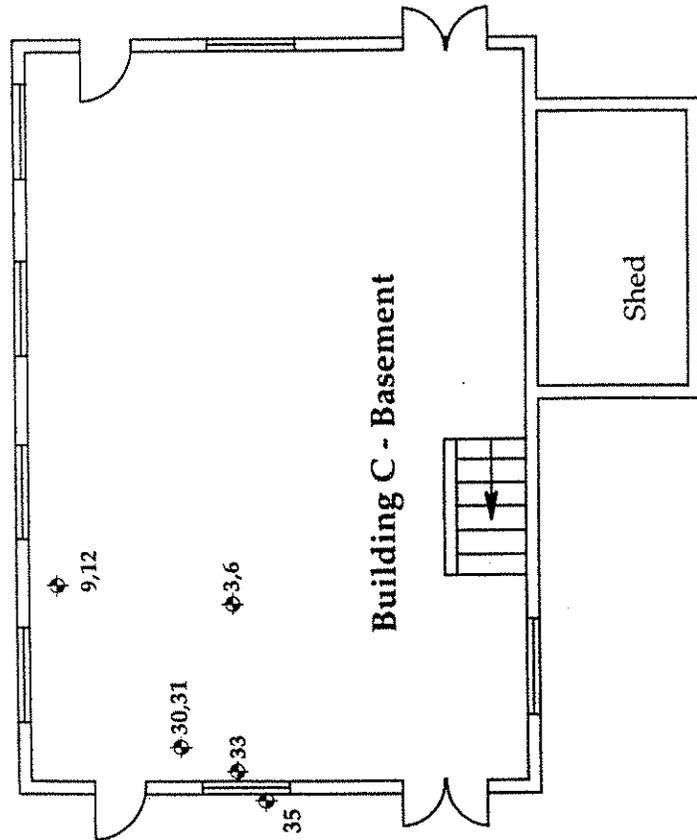
Drawing Title: Asbestos Bulk Sample Location Diagram	
Prepared by: EnviroMed Services, Inc. 25 Science Park, New Haven, CT 06511	Date: 02/10/00
Project: International Silver Co. Buildings A & B - Fourth Floor Cooper Street, Meriden, Connecticut	Scale: N.T.S.
Prepared for: GZA Geo Environmental, Inc. 27 Naack Road Vernon, Connecticut	Drawn By: L.X.
	Approved By: T.B.
	Drawing No. 4
ENS # 11-01-057	



Legend:

◆ = Sample Number & Location

REVISIONS		Drawing Title:	
DATE	MARK	DESCRIPTION	
			Asbestos Bulk Sample Location Diagram
		Prepared by:	Date: 02/10/00
		EnviroMed Services, Inc.	Scale: N.T.S.
		25 Science Park, New Haven, CT 06511	Drawn By: L.X.
		Project:	Approved By:
		International Silver Co.	T.B.
		Buildings A & B - Roofs	Drawing No.
		Copper Street, Meriden, Connecticut	5
		Prepared for:	
		GZA Geo Environmental, Inc.	
		27 Neck Road	
		Vermont, Connecticut	
		EMS # 114-04-037	



Legend:
 ⬢ = Sample Number & Location

REVISIONS	DATE	MARK	DESCRIPTION

Drawing Title: Asbestos Bulk Sample Location Diagram	
Prepared by: EnviroMed Services, Inc. 25 Science Park, New Haven, CT 06511	Date: 02/10/00
Project: International Silver Co. Building C - Basement & First Floor Cooper Street, Meriden, Connecticut	Scale: N.T.S.
Prepared for: GZA Geo Environmental, Inc. 27 Nook Road Vernon, Connecticut	Drawn By: L.X.
	Approved By: T.B.
	Drawing No. 6

III. SAMPLE LOG AND RESULTS TABLE

Sample Number	Location	Material Sampled	Percent Asbestos
A1	Building A - 1st Floor Section I	2" magnesium silicate (mag) pipe insulation	40
A2	Building A - 2nd Floor Section II	2" magnesium silicate pipe insulation	NA
A3	Building A - 3rd Floor Section III	2" magnesium silicate pipe insulation	NA
A4	Building A - 1st Floor Section I	mud pipe joint insulation along 2" mag insulated pipeline	58
A5	Building A - 2nd Floor Section II	mud pipe joint insulation along 2" mag insulated pipeline	NA
A6	Building A - 3rd Floor Section III	mud pipe joint insulation along 2" mag insulated pipeline	NA
A7	Building A - 1st Floor Section I	4" magnesium silicate pipe insulation	25
A8	Building A - 2nd Floor Section II	4" magnesium silicate pipe insulation	NA
A9	Building A - 3rd Floor Section III	4" magnesium silicate pipe insulation	NA
A10	Building A - 1st Floor Section I	mud pipe joint insulation along 4" mag insulated pipeline	60
A11	Building A - 2nd Floor Section II	mud pipe joint insulation along 4" mag insulated pipeline	NA
A12	Building A - 3rd Floor Section III	mud pipe joint insulation along 4" mag insulated pipeline	NA
A13	Building A - 1st Floor Section I	8" magnesium silicate pipe insulation	45
A14	Building A - 3rd Floor Section II	8" magnesium silicate pipe insulation	NA
A15	Building A - 3rd Floor Section II	8" magnesium silicate pipe insulation	NA
A16	Building A - 1st Floor Section I	pipe joint insulation along 8" mag insulated pipeline	15
A17	Building A - 3rd Floor Section II	pipe joint insulation along 8" mag insulated pipeline	NA
A18	Building A - 3rd Floor Section II	pipe joint insulation along 8" mag insulated pipeline	NA
A19	Building A - 4th Floor Section III	2" aircell pipe insulation	45
A20	Building A - 3rd Floor Section III	2" aircell pipe insulation	NA
A21	Building A - 2nd Floor Section III	2" aircell pipe insulation	NA
A22	Building A - 4th Floor Section III	pipe joint insulation along 2" aircell insulated pipeline	15
A23	Building A - 3rd Floor Section III	pipe joint insulation along 2" aircell insulated pipeline	NA
A24	Building A - 2nd Floor Section III	pipe joint insulation along 2" aircell insulated pipeline	NA
A25	Building A - 2nd Floor Section II	mud pipe joint insulation along 2" fiberglass insulated pipeline	20

A26	Building A - 2nd Floor Section II	mud pipe joint insulation along 2" fiberglass insulated pipeline	NA
A27	Building A - 2nd Floor Section II	mud pipe joint insulation along 2" fiberglass insulated pipeline	NA
A28	Building A - 1st Floor Section III	tank insulation	60
A29	Building A - 1st Floor Section III	tank insulation	NA
A30	Building A - 1st Floor Section III	tank insulation	NA
A31	Building A - 1st Floor Section I Bathroom	9"x9" tan vinyl floor tile	NAD
A32	Building A - 1st Floor Section I Bathroom	9"x9" tan vinyl floor tile	NAD
A33-A34	void	void	void
A35	Building A - 1st Floor Section II Bathroom	9"x9" gray vinyl floor tile	12
A36	Building A - 1st Floor Section I Bathroom	9"x9" gray vinyl floor tile	NA
A37	Building A - 1st Floor Section I Bathroom	mastic under 9"x9" gray vinyl floor tile	25
A38	Building A - 1st Floor Section I Bathroom	mastic under 9"x9" gray vinyl floor tile	NA
A39	Building A - 1st Floor Section I	wire insulation	NAD
A40	Building A - 1st Floor Section I	wire insulation	NAD
A41	Building A - 2nd Floor Section III	wall plaster - top coat	NAD
A42	Building A - 2nd Floor Section III	wall plaster - top coat	NAD
A43	Building A - 3rd Floor Section III	wall plaster - top coat	NAD
A44	Building A - 2nd Floor Section III	wall plaster - base coat	NAD
A45	Building A - 2nd Floor Section III	wall plaster - base coat	NAD
A46	Building A - 3rd Floor Section III	wall plaster - base coat	NAD
A47	Building A - 3rd Floor Section III	transite	25
A48	Building A - 3rd Floor Section III	transite	NA
A49	Building A - 2nd Floor Section III	9"x9" green vinyl floor tile	7
A50	Building A - 2nd Floor Section III	9"x9" green vinyl floor tile	NA
A51	Building A - 2nd Floor Section III	mastic under 9"x9" green vinyl floor tile	22
A52	Building A - 2nd Floor Section III	mastic under 9"x9" green vinyl floor tile	NA
A53	Building A - 2nd Floor Section III	9"x9" brown vinyl floor tile	13
A54	Building A - 2nd Floor Section III	9"x9" brown vinyl floor tile	NA

A55	Building A - 2nd Floor Section III	tar paper under 9"x9" brown vinyl floor tile	NAD
A56(a)	Building A - 2nd Floor Section III	tar paper under 9"x9" brown vinyl floor tile	NAD
A56(b)	Building A - 2nd Floor Section III	9"x9" red vinyl floor tile	5
A57	Building A - 2nd Floor Section III	9"x9" red vinyl floor tile	NA
A58	Building A - 2nd Floor Section III	tar paper under 9"x9" red vinyl floor tile	NAD
A59	Building A - 2nd Floor Section III	tar paper under 9"x9" red vinyl floor tile	NAD
A60	Building A - Section II Roof-A	built-up roof top layer	NAD
A61	Building A - Section II Roof-A	built-up roof top layer	NAD
A62	Building A - Section II Roof-A	built-up roof 2nd layer	NAD
A63	Building A - Section II Roof-A	built-up roof 2nd layer	NAD
A64	Building A - Section II Roof-A	built-up roof 3rd layer	NAD
A65	Building A - Section II Roof-A	built-up roof 3rd layer	NAD
A66	Building A - Section II Roof-A	built-up roof bottom layer	NAD
A67	Building A - Section II Roof-A	built-up roof bottom layer	NAD
A68	Building A - Section II Roof-A	roof flashing 1st layer	50
A69	Building A - Section II Roof-A	roof flashing 1st layer	NA
A70	Building A - Section II Roof-A	roof flashing bottom layer	4
A71	Building A - Section II Roof-A	roof flashing bottom layer	NA
A72(a)	Building A - Section II Roof-A	skylight exterior window glazing	NAD
A72(b)	Building A - Section II Roof-B (Skylight Roof)	built-up roof top layer	NAD
A73(a)	Building A - Section II Roof-A	skylight exterior window glazing	NAD
A73(b)	Building A - Section II Roof-B (Skylight Roof)	built-up roof top layer	NAD
A74	Building A - Section II Roof-B (Skylight Roof)	built-up roof 2nd layer	NAD
A75	Building A - Section II Roof-B (Skylight Roof)	built-up roof 2nd layer	NAD
A76	Building A - Section II Roof-B (Skylight Roof)	built-up roof 3rd layer	NAD
A77	Building A - Section II Roof-B (Skylight Roof)	built-up roof 3rd layer	NAD
A78	Building A - Section II Roof-B (Skylight Roof)	built-up roof bottom layer	NAD
A79	Building A - Section II Roof-B (Skylight Roof)	built-up roof bottom layer	NAD

A80	Building A - Section II Roof-B (Skylight Roof)	roof flashing top layer	20
A81	Building A - Section II Roof-B (Skylight Roof)	roof flashing top layer	NA
A82	Building A - Section II Roof-B (Skylight Roof)	roof flashing 2nd layer	20
A83	Building A - Section II Roof-B (Skylight Roof)	roof flashing 2nd layer	NA
A84	Building A - Section II Roof-A	transite	30
A85	Building A - Section II Roof-A	transite	NA
A86	Building A - Section III Roof	flashing	<1
A87	Building A - Section III Roof	flashing	<1
A88	Building A - Section III Roof	built-up roof top layer	5
A89	Building A - Section III Roof	built-up roof top layer	NA
A90	Building A - Section III Roof	built-up roof 2nd layer	NA
A91	Building A - Section III Roof	built-up roof 2nd layer	NA
A92	Building A - Section III Roof	built-up roof 3rd layer	NA
A93	Building A - Section III Roof	built-up roof 3rd layer	NA
A94	Building A - Section III Roof	built-up roof bottom layer	NA
A95	Building A - Section III Roof	built-up roof bottom layer	NA
A96	Building A - Section III Roof	roof flashing 1st layer	10
A97	Building A - Section III Roof	roof flashing 1st layer	NA
A98	Building A - Section III Roof	roof flashing 2nd layer	NA
A99	Building A - Section III Roof	roof flashing 2nd layer	NA
A100	Building A - Section III window	sky light exterior window caulking	15
A101	Building A - Section III window	sky light exterior window caulking	NA
A102	Building A - Section I Roof	built-up roof top layer	20
A103	Building A - Section I Roof	built-up roof top layer	NA
A104	Building A - Section I Roof	built-up roof 2nd layer	NA
A105	Building A - Section I Roof	built-up roof 2nd layer	NA
A106	Building A - Section I Roof	built-up roof 3rd layer	NA
A107	Building A - Section I Roof	built-up roof 3rd layer	NA

A108	Building A - Section I Roof	flashing cement	15
A109	Building A - Section I Roof	flashing cement	NA
A110	Building A - 2nd Floor Section III	interior window glazing	NAD
A111	Building A - 2nd Floor Section III	interior window glazing	NAD
A112	Building A - 2nd Floor Section II	interior window glazing	NAD
A113	Building A - 2nd Floor Section II	interior window glazing	NAD
C1	Building C- 1st Floor Boiler Room	2" magnesium silicate pipe insulation	50
C2	Building C- 1st Floor Boiler Room	2" magnesium silicate pipe insulation	NA
C3	Building C- Basement	2" magnesium silicate pipe insulation	NA
C4	Building C- 1st Floor Boiler Room	mud pipe joint insulation along 2" mag insulated pipeline	60
C5	Building C- 1st Floor Boiler Room	mud pipe joint insulation along 2" mag insulated pipeline	NA
C6	Building C- Basement	mud pipe joint insulation along 2" mag insulated pipeline	NA
C7	Building C- 1st Floor Boiler Room	4" magnesium silicate pipe insulation	60
C8	Building C- 1st Floor Boiler Room	4" magnesium silicate pipe insulation	NA
C9	Building C- Basement	4" magnesium silicate pipe insulation	NA
C10	Building C- 1st Floor Boiler Room	mud pipe joint insulation along 4" mag insulated pipeline	50
C11	Building C- 1st Floor Boiler Room	mud pipe joint insulation along 4" mag insulated pipeline	NA
C12	Building C- Basement	mud pipe joint insulation along 4" mag insulated pipeline	NA
C13	Building C- 1st Floor Boiler Room	8" magnesium silicate pipe insulation	70
C14	Building C- 1st Floor Boiler Room	8" magnesium silicate pipe insulation	NA
C15	Building C- 1st Floor Boiler Room	8" magnesium silicate pipe insulation	NA
C16	Building C- 1st Floor Boiler Room	pipe joint insulation along 8" mag insulated pipeline	50
C17	Building C- 1st Floor Boiler Room	pipe joint insulation along 8" mag insulated pipeline	NA
C18	Building C- 1st Floor Boiler Room	pipe joint insulation along 8" mag insulated pipeline	NA
C19	Building C- 1st Floor Boiler Room	tank insulation	50
C20	Building C- 1st Floor Boiler Room	tank insulation	NA
C21	Building C- 1st Floor Boiler Room	tank insulation	NA
C22	Building C- 1st Floor Boiler Room	breeching insulation	40

C23	Building C- 1st Floor Boiler Room	breeching insulation	NA
C24	Building C- 1st Floor Boiler Room	breeching insulation	NA
C25	Building C- 1st Floor Boiler Room	boiler insulation/top of boiler	55
C26	Building C- 1st Floor Boiler Room	boiler insulation/top of boiler	NA
C27	Building C- 1st Floor Boiler Room	boiler insulation/top of boiler	NA
C28	Building C- 1st Floor Boiler Room	boiler breeching caulking	20
C29	Building C- 1st Floor Boiler Room	boiler breeching caulking	NA
C30	Building C- Basement	boiler rope gasket	20
C31	Building C- Basement	boiler rope gasket	NA
C32	Building C- 1st Floor Boiler Room	interior window glazing	NAD
C33	Building C- Basement	interior window glazing	NAD
C34	Building C- 1st Floor Boiler Room	exterior window caulking	15
C35	Building C- Basement	exterior window caulking	NA
C36	Water tower adjacent to Building C	oil tank surfacing	10
C37	Water tower adjacent to Building C	oil tank surfacing	NA
C38	Building C- 1st Floor Boiler Room	built-up roof top layer	20
C39	Building C- 1st Floor Boiler Room	built-up roof top layer	NA
C40	Building C- 1st Floor Boiler Room	built-up roof 2nd layer	NA
C41	Building C- 1st Floor Boiler Room	built-up roof 2nd layer	NA
C42	Building C- 1st Floor Boiler Room	built-up roof bottom layer	NA
C43	Building C- 1st Floor Boiler Room	built-up roof bottom layer	NA
C44	Building C- 1st Floor Boiler Room	roof flashing	20
C45	Building C- 1st Floor Boiler Room	roof flashing	NA

C46	Water tower adjacent to Building C	oil tank roofing shingles	NAD
C47	Water tower adjacent to Building C	oil tank roofing shingles	sample missing
C48	Water tower adjacent to Building C	oil tank flashing paper	20
C49	Water tower adjacent to Building C	oil tank flashing paper	NA

NAD = No Asbestos Detected
NA = Not Analyzed

IV. LABORATORY ANALYSIS SHEETS

Bulk Asbestos Analysis Report

Enviromed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: ZH-00-057-A-1

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) SECT. P, 3rd 1st FL
Bldg A. Main
Int. S. Inc. Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation: <u>2" Minig</u>	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: J. Cepone

Date: 2-10-00

Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<u>gray fibrous</u>		
Type of Asbestos Present	<u>Amosite</u>		
Percent Asbestos	<u>40%</u>		
Morphology	<u>straight</u>		
Refractive Index Parallel/Perpendicular	<u>1.678 / 1.696</u>		
Dispersion Colors Parallel/Perpendicular	<u>blue wavy / yellow</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>+</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color) Parallel/Perpendicular	<u>N</u>		
Birefringence (c.l.m.h)	<u>AA</u>		
Type(s) of Non-Asbestos Fibers Present (and %)	<u>10% cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>50% particulate</u>		
Total % Asbestos (sample)	<u>40% Amosite</u>		

Comments:

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
 The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Sample ID #: ZH-00-057-A-2

Lab # 17714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Sect II, 2nd FL
Bldg A. Main
Int. Silver C. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation: <u>x 2" Mag.</u>	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: _____

Date: 2-10-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

Bulk Asbestos Analysis Report

EnviroMed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: IH-00-057-A-3

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) 3rd FL. Sect. III
Bldg A. Main
Int. Silver C. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation: <u>X 2" Mag.</u>	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: _____

Date: 2-10-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
 The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Sample ID #: ZH-00-057-A-4

Lab # 17714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) 1st FL., Sect. I
Bldg A. Main
Int. Silver Co., Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation: <i>*</i>	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation: <i>X 2" Mull.</i>	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: J. Cedeno

Date: 2-10-00

Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<i>gray fibrous</i>		
Type of Asbestos Present	<i>Chrysotile</i>		
Percent Asbestos	<i>58%</i>		
Morphology	<i>wavy</i>		
Refractive Index Parallel/Perpendicular	<i>1.517/1.158</i>		
Dispersion Colors Parallel/Perpendicular	<i>+ Blue / a fragment</i>		
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)	<i>+</i>		
Pleochroism (color) Parallel/Perpendicular	<i>N</i>		
Birefringence (o.l.m.h)	<i>L</i>		
Type(s) of Non-Asbestos Fibers Present (and %)	<i>5% Cellulose</i>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<i>37% particulate</i>		
Total % Asbestos (sample)	<i>58% Chrysotile</i>		

Comments:

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
 The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Sample ID #: ZH-00-057-A-5

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) 2nd PL Sect. II
Bldg A. 1st Main
Int. Side Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation: <u>N2" - M.H.I.</u>	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: _____

Date: 2-10-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
 The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

25 Science Park New Haven, CT (203)786-5580

Sample ID #: 7H-00-057-A-6

Lab # 17714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) 3rd FL Sect. III
Bldg A. Main
Int. Silver G. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation: <u>2" Mudd</u>	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: _____

Date: 2-10-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

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Sample ID #: IH-00-057-A-7

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) 1st FL, Sect. I
Bldg A. Main
Int. Silver C. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation: <u>X</u> <u>4"</u>	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation: X	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: J. Cedeno

Date: 2-10-00

Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<u>white fibers</u>		
Type of Asbestos Present	<u>Chrysotile</u>		
Percent Asbestos	<u>25%</u>		
Morphology	<u>wavy</u>		
Refractive Index Parallel/Perpendicular	<u>+1.517 / -1.538</u>		
Dispersion Colors Parallel/Perpendicular	<u>+ Blue / - Magenta</u>		
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color) Parallel/Perpendicular	<u>N</u>		
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>5% cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>70% particulate</u>		
Total % Asbestos (sample)	<u>25% Chrysotile</u>		

Comments:

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
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Bulk Asbestos Analysis Report

Enviromed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: ZH-00-057-A-8

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) 2nd Fl, Sect II
Bldg A. Main
Int. Silver Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation: <u>X 4"</u>	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: _____

Date: 2-10-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
 The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Sample ID #: ZH-00-057-A-9

Lab # 17714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) 3rd FL, Sect III
Bldg A. Main
Int. S. Inc. Co., Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation: <u>4"</u>	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: _____

Date: 2-10-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

Sample ID #: IH-00-057-A-10

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) 7th FL Sect. II
Bldg A. Main
Int. Silver Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation: X 4"	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: J. Cedeno

Date: 2-10-00

Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<u>gray fibrous</u>		
Type of Asbestos Present	<u>Chrysotile</u>		
Percent Asbestos	<u>60%</u>		
Morphology	<u>wavy</u>		
Refractive Index Parallel/Perpendicular	<u>1.547/1.556</u>		
Dispersion Colors Parallel/Perpendicular	<u>Blue / magenta</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>B</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color) Parallel/Perpendicular	<u>N</u>		
Birefringence (o.l.m.h)	<u>+</u>		
Type(s) of Non-Asbestos Fibers Present (and %)	<u>10% cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>30% particulate</u>		
Total % Asbestos (sample)	<u>60% Chrysotile</u>		

Comments:

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
 The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Sample ID #: 7H-00-057-A-11

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) 2nd Fl. Sect. II
Bldg A. Main
Int. Street Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation: <input checked="" type="checkbox"/>	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: _____

Date: 2-10-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

Bulk Asbestos Analysis Report

Enviroment Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: 2H-00-057-A-12

Lab # 17714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) 3rd FL, Sect III
Bldg A. Main
Int. Silver Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation: <input checked="" type="checkbox"/> 4"	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: _____

Date: 2-10-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments:

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Sample ID #: 2H-00-057-A-13

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) 5th FL, Sec. I
Bldg A. Main
Int. Siter Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation: <u>8"</u>	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.
 Date: 2-10-00

Analyzed by: J. Adams
 Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)	<u>white fibrous</u>		
Type of Asbestos Present	<u>Chrysotile</u>		
Percent Asbestos	<u>45%</u>		
Morphology	<u>wavy</u>		
Refractive Index Parallel/Perpendicular	<u>1.547 / 1.515</u>		
Dispersion Colors Parallel/Perpendicular	<u>Blue / 11 Magenta</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>P</u>		
Sign of Elongation (+/-)	<u>N</u>		
Pleochroism (color) Parallel/Perpendicular	<u>N</u>		
Birefringence (o.l.m.h)	<u>L</u>		
Type(s) of Non-Asbestos Fibers Present (and %)	<u>10% cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>35% portlandite</u>		
Total % Asbestos (sample)	<u>45% Chrysotile</u>		

Comments: _____
 NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
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Sample ID #: ZH-00-057-A-14

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) 2nd FL, Sect II
Bldg A. Main
Int. Silver Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation: <u>X 8"</u>	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: _____

Date: 2-10-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____
 NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
 The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Sample ID #: 24-00-057-A-15

Lab # 147714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) 2nd FL, Sect II
Bldg A, Main
Int. Silver Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation: <u>X</u>	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T. O. B.

Analyzed by: _____

Date: 2-10-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Sample ID #: 7H-00-057-A-16

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) 1st FL Sect #
Bldg A. Main
Int. Site Co., Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation: X	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: J. Cedeno

Date: 2-10-00

Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>gray fibrous</u>		
Type of Asbestos Present	<u>Chrysotile</u>		
Percent Asbestos	<u>15%</u>		
Morphology	<u>crispy</u>		
Refractive Index Parallel/Perpendicular	<u>1.547 / 1.536</u>		
Dispersion Colors Parallel/Perpendicular	<u>+ Blue // Magenta</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>0</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color) Parallel/Perpendicular	<u>N</u>		
Birefringence (o.i.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>25% fibrous glass</u> <u>25% cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>35% Particulate</u>		
Total % Asbestos (sample)	<u>15% Chrysotile</u>		

Comments: _____

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Sample ID #: 2H-00-057-A-17

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) 2nd FL, Sect II
Bldg A, Main
Int. Silver Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation: <u>X</u> <u>3"</u>	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: _____

Date: 2-10-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (c.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers			
Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

Bulk Asbestos Analysis Report

EnviroMed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: 2H-00-057-A-18

Lab # 17714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) 2nd FL Sect. II
Bldg A. Main
Int. S. Inc. Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation: X B	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: _____

Date: 2-10-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
 The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Sample ID #: IH-00-057-A-19

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) 4th FL, Sect. III
Bldg A. Main
Int. Silver G. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation: <u>X 2" Ar-cell</u>	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: J. Cedeno

Date: 2-10-00

Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<u>gray/white fibers</u>		
Type of Asbestos Present	<u>Chrysotile</u>		
Percent Asbestos	<u>45%</u>		
Morphology	<u>wavy</u>		
Refractive Index Parallel/Perpendicular	<u>1.547/1.558</u>		
Dispersion Colors Parallel/Perpendicular	<u>1 Blue/11 magenta</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>P</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color) Parallel/Perpendicular	<u>N</u>		
Birefringence (o.l.m.h)	<u>L</u>		
Type(s) of Non-Asbestos Fibers Present (and %)	<u>10% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>45% particulate</u>		
Total % Asbestos (sample)	<u>45% Chrysotile</u>		

Comments:

Sample ID #: 7H-00-057-A-20

Lab # 17714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) 3rd FL Sect. II
Bldg A. Main
Int. St. W. G. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation: <u>X Air-cc II</u>	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: _____

Date: 2-10-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____
 NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
 The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Bulk Asbestos Analysis Report

Enviromed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: PH-00-057-A-21

Lab # 17714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) 2nd Fl Sect III
Bldg A. Main
Int. Siter Co., Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation: <u>X 2" Arcell</u>	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: _____

Date: 2-10-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
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Bulk Asbestos Analysis Report

Enviromed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: 7H-00-057-A-22

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) sect III 4th
Bldg A. Main
Int. Silver Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation: <u>MIF/</u>	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation: <u>2" Fiberglas</u>	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation: <u>Aircell</u>	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: J. Cedeno

Date: 2-10-00

Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<u>white fibrous</u>		
Type of Asbestos Present	<u>Chrysotile</u>		
Percent Asbestos	<u>15%</u>		
Morphology	<u>wavy</u>		
Refractive Index Parallel/Perpendicular	<u>1.547/1.556</u>		
Dispersion Colors Parallel/Perpendicular	<u>+ Blue / magenta</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>+</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color) Parallel/Perpendicular	<u>N</u>		
Birefringence (o.l.m.h)	<u>L</u>		
Type(s) of Non-Asbestos Fibers Present (and %)	<u>10% cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>75% Particulate</u>		
Total % Asbestos (sample)	<u>15% Chrysotile</u>		

Comments:

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
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Sample ID #: PH-00-057-A-23

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Sect. III 8th
Bldg A. Main
Int. Silver Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation: <u>1/2" Fiberglass</u>	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation: <u>Ar cell</u>	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: _____

Date: 2-10-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (c.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

Sample ID #: ZH-00-057-A-24

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Sect III 2nd
Bldg A. Main
Int. Silver Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breaching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation: <u>X</u>	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation: <u>X</u>	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: _____

Date: 2-10-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

Sample ID #: IH-00-057-A-25

Lab # 17714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Sec II, 2nd Fl
Bldg A. Main
Int. Silver Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation: <u>X</u> <u>20%/H.P.</u>	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: J. Cedone

Date: 2-10-00

Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>gray fibrous</u>		
Type of Asbestos Present	<u>Chrysotile</u>		
Percent Asbestos	<u>20%</u>		
Morphology	<u>wavy</u>		
Refractive Index Parallel/Perpendicular	<u>+1.547 / +1.556</u>		
Dispersion Colors Parallel/Perpendicular	<u>+ Blue / i. Mozer</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>P</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color) Parallel/Perpendicular	<u>W</u>		
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>15% butyryl glass</u> <u>10% cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>55% Particulate</u>		
Total % Asbestos (sample)	<u>20% Chrysotile</u>		

Comments: _____

Bulk Asbestos Analysis Report

EnviroMed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: ZH-00-057-A-26

Lab # 17714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Sect II. 2nd Fl
Bldg A. Main
Int. Silver C. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation: <u>X</u>	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: _____

Date: 2-10-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

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Sample ID #: ZH-00-057-A-27

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Sec. B, 2nd Fl
Bldg A. Main
Int. Silver C. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation: <u>X</u>	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: _____

Date: 2-10-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

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Sample ID #: ZH-00-057-A-28

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Sect III, 1st FL
Bldg A. Main
Int. Silver Co., Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation: <input checked="" type="checkbox"/>		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: J. Cedrone
 Date: 2/22/00

Date: 2-10-00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)	<u>white fibrous</u>		
Type of Asbestos Present	<u>Chrysotile</u>	<u>Amosite</u>	
Percent Asbestos	<u>20%</u>	<u>40%</u>	
Morphology	<u>wavy</u>	<u>straight</u>	
Refractive Index Parallel/Perpendicular	<u>1.547 / 1.553</u>	<u>1.628 / 1.696</u>	
Dispersion Colors Parallel/Perpendicular	<u>+ Blue / magenta</u>	<u>+ Blue magenta / yellow</u>	
Extinction Characteristics (parallel, oblique, wavy)	<u>P</u>	<u>P</u>	
Sign of Elongation (+/-)	<u>+</u>	<u>+</u>	
Pleochroism (color) Parallel/Perpendicular	<u>N</u>	<u>N</u>	
Birefringence (o.l.m.h)	<u>L</u>	<u>M</u>	
Type(s) of Non-Asbestos Fibers Present (and %)	<u>5% cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>35% particulate</u>		
Total % Asbestos (sample)	<u>20% chrysotile</u>	<u>40% Amosite</u>	

Comments: _____

Sample ID #: ZH-00-057-A-29

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Sr-1 III, 1st PL
Bldg A, Main
Int. Silver Co, Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation: <input checked="" type="checkbox"/>		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: _____

Date: 2-10-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
 The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Bulk Asbestos Analysis Report

EnviroMed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: 7H-00-057-A-30

Lab # 17714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Sec 3 III, 1st FL
Bldg A. Main
Int. Silver Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation: <u>X</u>		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: _____

Date: 2-10-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (c.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments:

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Bulk Asbestos Analysis Report

Enviromed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: 2H-00-057-A-31

Lab # 17714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) 1st FL Bathroom, Sect. I
Bldg A. Main
Int. Silver G. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile: <input checked="" type="checkbox"/> 7" Z.
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: J. Coburn

Date: 2-10-00

Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<u>Ivory tile</u>		
Type of Asbestos Present			
Percent Asbestos	<u>156</u>		
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>5% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>95% Particulate</u>		
Total % Asbestos (sample)		<u>06</u>	

Comments:

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
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Sample ID #: 7H-00-057-A-32

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) 1st FL Bathrooms, Sect 2
Bldg A. Main
Int. Silver G. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile: <u>X 9" Tan</u>
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: J. Adams

Date: 2-10-00

Date: 2/25/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<u>Tan tile</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>5% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>95% Gasterulite</u>		
Total % Asbestos (sample)		<u>0%</u>	

Comments:

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
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Sample ID #: 2H-00-057-A-35

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) 1st Fl. Locker Room
Bldg A. Main
Int. Silver Co. Lager St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile: <input checked="" type="checkbox"/> 9" hex
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.
 Date: 2-10-00

Analyzed by: J. Adams
 Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<u>Gray tile</u>		
Type of Asbestos Present	<u>Chrysotile</u>		
Percent Asbestos	<u>12%</u>		
Morphology	<u>fibrous</u>		
Refractive Index Parallel/Perpendicular	<u>1.54 / 1.556</u>		
Dispersion Colors Parallel/Perpendicular	<u>1 Blue / 11 Magenta</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>P</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color) Parallel/Perpendicular	<u>N</u>		
Birefringence (o.l.m.h)	<u>L</u>		
Type(s) of Non-Asbestos Fibers Present (and %)	<u>5% cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>83% Particulate</u>		
Total % Asbestos (sample)	<u>12% Chrysotile</u>		

Comments: NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
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Bulk Asbestos Analysis Report

EnviroMed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: 7H-00-057-A-36Lab # 17714Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building)

1 SFL, Locker Room,
Bldg A. Main
Int. S. Inc Co, Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile: <u>X 9" Gray</u>
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: _____

Date: 2-10-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
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Sample ID #: 2H-00-057-A-37

Lab # 17714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building)

1st FL Locker Room
Bldg A. Main
Int. Silver Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile: <u>X 9" 6x7</u>
Duct Insulation:	Wallboard Compound:	Flooring Mastic: <u>✓</u>
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: J. Cedeno

Date: 2-10-00

Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<u>White matrix</u>		
Type of Asbestos Present	<u>Chrysotile</u>		
Percent Asbestos	<u>25%</u>		
Morphology	<u>Wavy</u>		
Refractive Index Parallel/Perpendicular	<u>1.547/1.516</u>		
Dispersion Colors Parallel/Perpendicular	<u>+ Blue / + Magenta</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>P</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color) Parallel/Perpendicular	<u>N</u>		
Birefringence (o.l.m.h)	<u>L</u>		
Type(s) of Non-Asbestos Fibers Present (and %)	<u>10% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>65% Particulate</u>		
Total % Asbestos (sample)	25%	Chrysotile	

Comments:

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

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Sample ID #: IH-00-057-A-3B

Lab # 147714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) 1st FL Locker Room
Bldg A. Main
Int Silver G. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile: <u>1/4" Gray</u>
Duct Insulation:	Wallboard Compound:	Flooring Mastic: <u>✓</u>
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: _____

Date: 2-10-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments:

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
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Bulk Asbestos Analysis Report

EnviroMed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: IH-00-057-A-39

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Int 2, 1st FL
Bldg A. Main
Int. Silver G. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Wire Insulation</u>

Collected by: T.O.B.

Analyzed by: J. Cedeno

Date: 2-10-00

Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<u>Black fibers</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0.8</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>5.5% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>4.5% Particulate</u>		
Total % Asbestos (sample)		<u>0.8</u>	

Comments: _____

Sample ID #: ZH-00-057-A-40

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) 1st FL. Sect II
Bldg A. Main
Int. S. Inc. Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Wire Insulation</u>

Collected by: T.O.B.

Analyzed by: J. Cedeno

Date: 2-10-00

Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)	<u>brown fibrous</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>5% cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>55% Portland</u>		
Total % Asbestos (sample)		<u>0%</u>	

Comments: _____

Bulk Asbestos Analysis Report

EnviroMed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: IH-00-057-A-41

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) 2nd FL, Sect II
Bldg A. Main
Int Silver C. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster: <u>X Top Coat</u>	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: J. Cedeno

Date: 2-10-00

Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Disoersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<u>white crystalline</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>5% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>95% particulate</u>		
Total % Asbestos (sample)	<u>0%</u>		

Comments:

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
 The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Bulk Asbestos Analysis Report

Envirom Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: IH-00-057-A-42

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Sect III, 2nd FL
Bldg A. Main
Int. Silver G. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster: <u>X Top Coat</u>	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: J. Cedeno

Date: 2-10-00

Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)	<u>white cementitious</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>7% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>93% Portlandite</u>		
Total % Asbestos (sample)		<u>0%</u>	

Comments:

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
 The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Sample ID #: 2H-00-057-A-43

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) 3rd FL, Sect III
Bldg A, Main
Int. Silver Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster: <u>x Top Coat</u>	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: J. Cedeno

Date: 2-10-00

Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<u>white cementitious</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>94% particulate</u>		
Total % Asbestos (sample)		<u>0%</u>	

Comments:

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
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Bulk Asbestos Analysis Report**EnviroMed Services, Inc.**

25 Science Park New Haven, CT (203)786-5580

Sample ID #: ZH-00-057-A-44Lab # 14714Client Name, Address: G. Z. A EnvironmentalSample Location: (Including Room, Building) Sect III, 2nd Fl
Bldg A. Main
Int. Silver Co., Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster: <u>Base Coat.</u>	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.Analyzed by: J. CedenoDate: 2-10-00Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<u>gray cementitious</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>5% cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>95% particulate</u>		
Total % Asbestos (sample)	<u>0%</u>		

Comments:

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Bulk Asbestos Analysis Report

Enviromed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: ZH-00-057-A-45

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) 2nd FL, Sect III
Bldg A. Main
Int. Silver Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster: <u>X</u> <u>Base Coat</u>	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: J. Colone

Date: 2-10-00

Date: 2/23/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<u>gray cementitious</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>5% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>95% particulate</u>		
Total % Asbestos (sample)	<u>0%</u>		

Comments: _____

Sample ID #: 2H-00-057-A-46

Lab # 17714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) Sect. III, 3rd FL
Bldg A. Main
Int. S. Inc. Co., Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster: <u>X Base Coat</u>	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: J. Cedeno
 Date: 7/23/00

Date: 2-10-00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<u>gray cementitious</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>8% cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>92% particles</u>		
Total % Asbestos (sample)	<u>0%</u>		

Comments:

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Bulk Asbestos Analysis Report

Enviromed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: ZH-00-057-A-47

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) 3rd FL, Sect III
Bldg A. Main
Int. S. Inc Co, Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite: <input checked="" type="checkbox"/>
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: J. Cedrone

Date: 2-10-00

Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)	<u>gray Transite</u>		
Type of Asbestos Present	<u>Chrysotile</u>		
Percent Asbestos	<u>25%</u>		
Morphology	<u>wavy</u>		
Refractive Index Parallel/Perpendicular	<u>1.547/1.556</u>		
Dispersion Colors Parallel/Perpendicular	<u>+ Blue / no MgO</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>P</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color) Parallel/Perpendicular	<u>N</u>		
Birefringence (o.l.m.h)	<u>L</u>		
Type(s) of Non-Asbestos Fibers Present (and %)	<u>10% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>65% Particulate</u>		
Total % Asbestos (sample)	<u>25% Chrysotile</u>		

Comments:

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
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Bulk Asbestos Analysis Report**EnviroMed Services, Inc.**

25 Science Park New Haven, CT (203)786-5580

Sample ID #: IH-00-057-A-48Lab # 14714Client Name, Address: G. Z. A. EnvironmentalSample Location: (Including Room, Building) 3rd Fl, Sect III
Bldg A, Main
Int. Silver Co., Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite: X
		Wallboard:
		Other:

Collected by: T. O. B.

Analyzed by: _____

Date: 2-10-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments:

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

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Bulk Asbestos Analysis Report

EnviroMed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: 24-00-057-A-49

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) 2nd FL, Sect. III, Exec. B. Hrm
Bldg A, Main
Int. S. Inc. Co., Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile: <u>X 9"x9" Green</u>
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: J. Capone

Date: 2-10-00

Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)	<u>green tile</u>		
Type of Asbestos Present	<u>Chrysotile</u>		
Percent Asbestos	<u>7%</u>		
Morphology	<u>wavy</u>		
Refractive Index Parallel/Perpendicular	<u>1.517 / 1.512</u>		
Dispersion Colors Parallel/Perpendicular	<u>+ Blue / 10 Moget</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>P</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color) Parallel/Perpendicular	<u>N</u>		
Birefringence (c.l.m.h)	<u>L</u>		
Type(s) of Non-Asbestos Fibers Present (and %)	<u>10% cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>83% Particulate</u>		
Total % Asbestos (sample)	<u>7% Chrysotile</u>		

Comments:

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
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Bulk Asbestos Analysis Report

EnviroMed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: PH-00-057-A-50

Lab # 17714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) 2nd FL, Sect. III, Exec. B. Housing
Bldg A. Main
Int. Silver Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile: X 9" x 9" Green
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: _____

Date: 2-10-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
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Bulk Asbestos Analysis Report

EnviroMed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: IH-00-057-A-51

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Executive B. Rooms, 2nd FL, Sect. 777
Bldg A. Main
Int. Silver Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic: <input checked="" type="checkbox"/> A.W. 9"X9" Green
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: J. Cedeno

Date: 2-10-00

Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<u>black fibrous</u>		
Type of Asbestos Present	<u>Chrysotile</u>		
Percent Asbestos	<u>22%</u>		
Morphology	<u>wavy</u>		
Refractive Index Parallel/Perpendicular	<u>1.577 / 1.558</u>		
Dispersion Colors Parallel/Perpendicular	<u>Blue / Magenta</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>P</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color) Parallel/Perpendicular	<u>N</u>		
Birefringence (o.l.m.h)	<u>L</u>		
Type(s) of Non-Asbestos Fibers Present (and %)	<u>30% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>48% Particulate</u>		
Total % Asbestos (sample)	<u>22% Chrysotile</u>		

Comments:

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
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Sample ID #: 2H-00-057-A-52

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Exec. Bk. Room, 2nd Fl., Sect. III
Bldg. A. Main
Int. Silver C. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic: <u>X A.W. 9"x9" Green Flo. - 1/2</u>
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: _____

Date: 2-10-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
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Bulk Asbestos Analysis Report**EnviroMed Services, Inc.**

25 Science Park New Haven, CT (203)786-5580

Sample ID #: 24-00-057-A-53Lab # 14714Client Name, Address: G. Z. A EnvironmentalSample Location: (Including Room, Building) 2nd Fl. Sect III
Bldg A. Main
Int. Site C. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile: <u>X 9" Brown</u>
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.Analyzed by: J. CadoneDate: 2-10-00Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<u>black fibrous</u>		
Type of Asbestos Present	<u>Chrysotile</u>		
Percent Asbestos	<u>13%</u>		
Morphology	<u>wavy</u>		
Refractive Index Parallel/Perpendicular	<u>1.5470 // 1.556</u>		
Dispersion Colors Parallel/Perpendicular	<u>↓ Blue // magenta</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>0</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color) Parallel/Perpendicular	<u>N</u>		
Birefringence (o.l.m.h)	<u>L</u>		
Type(s) of Non-Asbestos Fibers Present (and %)	<u>7% cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>80% particulate</u>		
Total % Asbestos (sample)	<u>13% Chrysotile</u>		

Comments:

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Bulk Asbestos Analysis Report

Enviromed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: PH-00-057-A-54

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) 2nd Fl. Sec 1 III
Bldg A. Main
Int. S. Inc. Co., Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile: <u>X 9" Brown</u>
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: _____

Date: 2-10-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
 The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Bulk Asbestos Analysis Report

EnviroMed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: ZH-00-057-A-55

Lab # 17714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) 2nd Fl. Sect. III
Bldg A. Main
Int. Silver Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Fiberglass Insulation - A.W. Fiberglass</u>

Collected by: T.O.B.

Analyzed by: J. Cedeno

Date: 2-10-00

Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)	<u>black fibers</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (c.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>20% cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>80% particles</u>		
Total % Asbestos (sample)		<u>0%</u>	

Comments: _____

Bulk Asbestos Analysis Report

EnviroMed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: 2H-00-057-A-56A

Lab # 17714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) 2nd FL, Sect. III
Bldg A. Main
Int. Siting C, Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Targan - A.W. Floor tile</u>

Collected by: T.O.B.

Analyzed by: J. Cedeno

Date: 2-10-00

Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)	<u>black fibers</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>80% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>20% particulate</u>		
Total % Asbestos (sample)		<u>0%</u>	

Comments:

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
 The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Sample ID #: ZH-00-057-A-56B

Lab # 14714

Client Name, Address: GZA Environmental

Sample Location: (Including Room, Building) 2nd FL, Sect. III
Bldg A. Main
Int. Stair Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile: α 9" Reel.
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.
 Date: 2-10-00

Analyzed by: J. Cedeno
 Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)	<u>dark red tile</u>		
Type of Asbestos Present	<u>Chrysotile</u>		
Percent Asbestos	<u>5%</u>		
Morphology	<u>wavy</u>		
Refractive Index Parallel/Perpendicular	<u>+1.546 / +1.556</u>		
Dispersion Colors Parallel/Perpendicular	<u>Blue / Nozele</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>0 / 11</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color) Parallel/Perpendicular	<u>N</u>		
Birefringence (o.l.m.h)	<u>L</u>		
Type(s) of Non-Asbestos Fibers Present (and %)	<u>5% cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>90% particulate</u>		
Total % Asbestos (sample)	<u>5% Chrysotile</u>		

Comments: NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
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Bulk Asbestos Analysis Report

EnviroMed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: ZH-00-057-A-57

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) 2nd FL Sect. III
Bldg A. Main
Int. S. Inc. Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile: <u>X 7" Red.</u>
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: _____

Date: 2-10-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
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Bulk Asbestos Analysis Report

EnviroMed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: 2H-00-057-A-58

Lab # 17714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) 2nd Fl. Sect III
Bldg A. Main
Int. Silver Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Tarpaper A.W. 9" Red. FT.</u>

Collected by: T.O.B.

Analyzed by: J. Calzone

Date: 2-10-00

Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<u>black fibrous</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>30% cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>70% particulate</u>		
Total % Asbestos (sample)	<u>0%</u>		

Comments:

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

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Bulk Asbestos Analysis Report

EnviroMed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: ZH-00-057-A-59

Lab # 147714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) 2nd FL, Sect. III
Bldg A, Main
Int. S. Inter Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Turpaper A.W. 9" Red. FT.</u>

Collected by: T.O.B.

Analyzed by: J. Cedeno

Date: 2-10-00

Date: 2/23/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<u>black fibers</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>25% cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>75% particulate</u>		
Total % Asbestos (sample)	<u>0%</u>		

Comments:

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
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Bulk Asbestos Analysis Report

EnviroMed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: 24-00-057-A-60

Lab # 17714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) 2 Sect III Roof
Bldg A. Main
Int. Siter Co., Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
Thermal Systems Insulation:	Surfacing Material:	Miscellaneous Material:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Roofing. 1st Layer</u>

Collected by: T.O.B.

Analyzed by: J. Cedeno

Date: 2-10-00

Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<u>black fibrous</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>15% cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>85% particulate</u>		
Total % Asbestos (sample)	<u>0%</u>		

Comments:

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
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Sample ID #: ZH-00-057-A-61

Lab # 17714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Sect II Roof
Bldg A. Main
Int. Silver Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Roofing, 1st Layer</u>

Collected by: T.O.B.

Analyzed by: J. Capone

Date: 2-10-00

Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)	<u>black fibers</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.i.m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>10% cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>90% substrate</u>		
Total % Asbestos (sample)		<u>0%</u>	

Comments: _____

Sample ID #: PH-00-057-A-62

Lab # 17714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) Sect II, Roof
Bldg A. Main
Int. S. Inc. Co., Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Roofing 2nd Layer</u>

Collected by: T.O.B.

Analyzed by: J. Capone

Date: 2-10-00

Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<u>black fibrous</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>10% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>90% Particulate</u>		
Total % Asbestos (sample)		<u>0%</u>	

Comments: NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

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Bulk Asbestos Analysis Report

Enviromed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: 2H-00-057-A-63Lab # 14714Client Name, Address: G. Z. A EnvironmentalSample Location: (Including Room, Building) Sect II, Roof
Bldg A. Main
Int. Silver Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>X Roofing 2" Layer</u>

Collected by: T.O.B.Analyzed by: J. AdamsDate: 2-10-00Date: 2/23/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)	<u>black fibrous</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>10% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>90% Particulate</u>		
Total % Asbestos (sample)		<u>0%</u>	

Comments:

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
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Bulk Asbestos Analysis Report

Enviromed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: ZH-00-057-A-64

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Sect II Roof
Bldg A. Main
Int. S. Inc. Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Roofing 3rd Layer</u>

Collected by: T.O.B.

Analyzed by: J. Cepina

Date: 2-10-00

Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)	<u>Black fibrous</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>15% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>85% particulate</u>		
Total % Asbestos (sample)	<u>0%</u>		

Comments: _____

Sample ID #: 2H-00-057-A-65

Lab # 17714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Sect. II, Roof
Bldg. A. Main
Int. S. Inc. Co., Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Roofing 3rd Layer</u>

Collected by: T.O.B.
 Date: 2-10-00

Analyzed by: J. Cedeno
 Date: 2/23/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)	<u>Black fibrous</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>10% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>90% Portlandite</u>		
Total % Asbestos (sample)	<u>0%</u>		

Comments: NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
 The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Sample ID #: IH-00-057-A-66

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Sect. II, Roof
Bldg A. Main
Int. Silver C. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Roofing 4th layer</u>

Collected by: T.O.B.

Analyzed by: J. Adams

Date: 2-10-00

Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<u>Black fibrous</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o.i.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>8% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>92% Portlandite</u>		
Total % Asbestos (sample)	<u>0%</u>		

Comments:

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
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Bulk Asbestos Analysis Report

EnviroMed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: ZH-00-057-A-67

Lab # 17714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Sect. II, Roof
Bldg A. Main
Int. Silver G. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Roofing, 4" layer</u>

Collected by: T.O.B.

Analyzed by: J. Adams

Date: 2-10-00

Date: 2/23/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<u>Black fibers</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>10% cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>90% particulate</u>		
Total % Asbestos (sample)	<u>0%</u>		

Comments:

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Sample ID #: 2H-00-057-A-68

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Section 2 Roof
Bldg A. Main
Int. Silver G. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Roof Flashing Layer!</u>

Collected by: T.O.B.

Analyzed by: J. Cedrone

Date: 2-10-00

Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>Black fibrous</u>		
Type of Asbestos Present	<u>Chrysotile</u>		
Percent Asbestos	<u>50%</u>		
Morphology	<u>wavy</u>		
Refractive Index Parallel/Perpendicular	<u>1.547/1.558</u>		
Dispersion Colors Parallel/Perpendicular	<u>+ Blue/Magenta</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>+</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color) Parallel/Perpendicular	<u>N</u>		
Birefringence (o.i.m.h)	<u>L</u>		
Type(s) of Non-Asbestos Fibers Present (and %)	<u>5% cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>45% Portlandite</u>		
Total % Asbestos (sample)	<u>50% Chrysotile</u>		

Comments:

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

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Sample ID #: ZH-00-057-A-69

Lab # 17714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) Section II, Roof
Bldg A. Main
Int. Silver Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Roof Flashing, layer 2</u>

Collected by: T.O.B.

Analyzed by: J. Adams

Date: 2-10-00

Date: 2-10-00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

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Sample ID #: ZH-00-057-A-70

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Section II, Roof
Bldg A. Main
Int. Silver G. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Roof Flashing, Layer 2</u>

Collected by: T.O.B.

Analyzed by: J. Cedeno

Date: 2-10-00

Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)	<u>Black fibrous</u>		
Type of Asbestos Present	<u>Chrysotile</u>		
Percent Asbestos	<u>4%</u>		
Morphology	<u>wavy</u>		
Refractive Index Parallel/Perpendicular	<u>1.547/1.556</u>		
Dispersion Colors Parallel/Perpendicular	<u>+ Blue // magenta</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>P</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color) Parallel/Perpendicular	<u>N</u>		
Birefringence (o.l.m.h)	<u>L</u>		
Type(s) of Non-Asbestos Fibers Present (and %)	<u>10% cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>86% particulate</u>		
Total % Asbestos (sample)	<u>4% chrysotile</u>		

Comments: _____

Sample ID #: 2H-00-057-A-71

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Sect. II, Roof
Bldg A. Main
Int. Silver Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Roof Flashing, Layer 2</u>

Collected by: T.O.B.

Analyzed by: _____

Date: 2-10-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

Bulk Asbestos Analysis Report

Enviromed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: ZH-00-057-A-72A

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Sect. II, Roof
Bldg A. Main
Int. Silver G. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Sky Light Window Glazing</u>

Collected by: T.O.B.

Analyzed by: J. Adams

Date: 2-10-00

Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<u>beige cementitious</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (c.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>5% cellular</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>95% Portland</u>		
Total % Asbestos (sample)	<u>0%</u>		

Comments:

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
 The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Sample ID #: ZH-00-057-A-72B

Lab # 14714

Client Name, Address: GZA Environmental

Sample Location: (Including Room, Building) Skylight Roof
Bldg A. Main
Int. S. Ave Co, Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Roofing 1st Layer</u>

Collected by: T.O.B.

Analyzed by: J. Cedeno
 Date: 2/22/00

Date: 2-10-00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)	<u>Black Fibrous</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0-6</u>		
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>5% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>95% Particulate</u>		
Total % Asbestos (sample)			<u>0.2</u>

Comments: NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
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Bulk Asbestos Analysis Report

25 Science Park New Haven, CT (203)786-5580

Sample ID #: ZH-00-057-A-73

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Sect II Roof
Bldg A. Main
Int. Stue. Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>St. light / White Gypsum</u>

Collected by: T.O.B.

Analyzed by: J. Colver

Date: 2-10-00

Date: 2/23/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)	<u>White cementitious</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>5% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>95% Particulate</u>		
Total % Asbestos (sample)	<u>0%</u>		

Comments:

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
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Sample ID #: 2H-00-057-A-73B

Lab # 14714

Client Name, Address: GZA Environmental

Sample Location: (Including Room, Building) Skylight Roof
Bldg A. Main
Int. Silver C. Loper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Roofing 2nd layer</u>

Collected by: T.O.B.

Analyzed by: J. Cadore

Date: 2-10-00

Date: 2/23/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>Black fibrous</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>70% cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>93% particulate</u>		
Total % Asbestos (sample)	<u>0%</u>		

Comments: _____

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

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Bulk Asbestos Analysis Report

EnviroMed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: ZH-00-057-A-74

Lab # 17714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) ~~Site # Roof Section Sky lig 4/Roof~~
Bldg A. Main
Int. S. Inc. Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Roofing 2nd Layer</u>

Collected by: T.O.B.

Analyzed by: J. Cedeno

Date: 2-10-00

Date: 2/22/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<u>black fibers</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>25% cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>75% particulate</u>		
Total % Asbestos (sample)	<u>0%</u>		

Comments:

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
 The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Bulk Asbestos Analysis Report

EnviroMed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: 2H-00-057-A-75

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Skylight Roof
Bldg A. Main
Int. Struct. Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Roofing 2nd Layer</u>

Collected by: T.O.B.

Analyzed by: J. Cedeno

Date: 2-10-00

Date: 2/23/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)	<u>Black fibers</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>20% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>80% Particulate</u>		
Total % Asbestos (sample)		<u>0%</u>	

Comments: NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
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Bulk Asbestos Analysis Report

EnviroMed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: 7H-00-057-A-76

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Sky light Roof
Bldg. A. Main
Int. Silver Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Roofing 3" Layer</u>

Collected by: T.O.B.

Analyzed by: J. Cedeno
 Date: 2/22/00

Date: 2-10-00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<u>Black fibrous</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0.6</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>25% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>75% Particulate</u>		
Total % Asbestos (sample)	<u>0.6</u>		

Comments:

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

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Bulk Asbestos Analysis Report

Enviromed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: PH-00-057-A-77

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Skylight Roof
Bldg A. Main
Int. Street G. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Roofing 3 layer</u>

Collected by: T.O.B.

Analyzed by: J. Cedeno

Date: 2-10-00

Date: 2/23/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<u>Black fibers</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (c.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>20% cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>80% particulate</u>		
Total % Asbestos (sample)		<u>0%</u>	

Comments: _____

Bulk Asbestos Analysis Report

Enviromed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: ZH-00-057-A-78

Lab # 17714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Skylight Roof
Bldg A. Main
Int. Sister C. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Roofing 4" board</u>

Collected by: T.O.B.

Analyzed by: Cynthia Dwyer

Date: 2-10-00

Date: 2/23/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<u>Black Fibers</u>		
Type of Asbestos Present	<u>0.4</u>		
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>20% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>0.4% Potassium</u>		
Total % Asbestos (sample)	<u>0.4%</u>		

Comments:

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
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Bulk Asbestos Analysis Report

Enviromed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: 24-00-057-A-79

Lab # 17714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Skylight Roof
Bldg A. Main
Int. Silver Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Painting 4th layer</u>

Collected by: T.O.B.

Analyzed by: Colleen Quynh

Date: 2-10-00

Date: 2/23/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<u>Black fibers</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.i.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>20% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>80% Particulate</u>		
Total % Asbestos (sample)	<u>0%</u>		

Comments: _____

Sample ID #: ZH-00-057-A-80

Lab # 14714

Client Name, Address: GZA Environmental

Sample Location: (Including Room, Building) Skylight Roof
Bldg A. Main
Int. Silver Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Roof flashing 1st floor</u>

Collected by: T.O.B.

Analyzed by: [Signature]

Date: 2-10-00

Date: 2/23/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining	A	B	C
Homogeneous (v.n)	<input checked="" type="checkbox"/>		
Gross Appearance (color, texture)	<u>Black fibrous</u>		
Type of Asbestos Present	<u>Chrysotile</u>		
Percent Asbestos	<u>20%</u>		
Morphology	<u>fibrous</u>		
Refractive Index	<u>1.54</u>		
Parallel/Perpendicular	<u>11.53</u>		
Dispersion Colors	<u>blue</u>		
Parallel/Perpendicular	<u>11 magenta</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>PO</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color)	<u>N</u>		
Parallel/Perpendicular	<u>L</u>		
Birefringence (c.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>15% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>6% Pectinates</u>		
Total % Asbestos (sample)	<u>20% Chrysotile</u>		

Comments: _____

Bulk Asbestos Analysis Report**Enviromed Services, Inc.**

25 Science Park New Haven, CT (203)786-5580

Sample ID #: PH-00-057-A-81Lab # 14714Client Name, Address: G. Z. A. EnvironmentalSample Location: (Including Room, Building) Skylight Roof
Bldg A. Main
Int. Silver Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Roof Flashing, Plaster</u>

Collected by: T.O.B.

Analyzed by: _____

Date: 2-10-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o.l.m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

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Bulk Asbestos Analysis Report

Enviromed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: FH-00-057-A-82

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Skylight Roof
Bldg A. Main
Int. Silver Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Roof Flashing 2nd floor</u>

Collected by: T.O.B.

Analyzed by: [Signature]

Date: 2-10-00

Date: 2/23/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<u>Black fibers</u>		
Type of Asbestos Present	<u>Chrysotile</u>		
Percent Asbestos	<u>20%</u>		
Morphology	<u>fibrous</u>		
Refractive Index Parallel/Perpendicular	<u>1.517 / 1.514</u>		
Dispersion Colors Parallel/Perpendicular	<u>11 blue / 11 magenta</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>11</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color) Parallel/Perpendicular	<u>N</u>		
Birefringence (c.l.m,h)	<u>+</u>		
Type(s) of Non-Asbestos Fibers Present (and %)	<u>10% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>70% Particulate</u>		
Total % Asbestos (sample)	<u>20% Chrysotile</u>		

Comments:

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
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Sample ID #: PH-00-057-A-83

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building)

Skylight Roof
Bldg A. Main
Int. Silver Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Roof Flashing 2nd Layer</u>

Collected by: T.O.B.

Analyzed by: _____

Date: 2-10-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (c.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non- fibrous) Materials Present			
Total % Asbestos (sample)			

Comments:

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

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25 Science Park New Haven, CT (203)786-5580

Sample ID #: 7H-00-057-A-84

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Skylight Wall
Bldg A. Main
Int. Silver Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite: <input checked="" type="checkbox"/>
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: [Signature]

Date: 2-10-00

Date: 2/22/00

Analytical Method: Polarized Light Microscopy, with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<u>gray fibrous</u>		
Type of Asbestos Present	<u>Amphibole</u>		
Percent Asbestos	<u>30%</u>		
Morphology	<u>needle</u>		
Refractive Index Parallel/Perpendicular	<u>1.54 / 1.53</u>		
Dispersion Colors Parallel/Perpendicular	<u>1 blue / 1 magenta</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>PP</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color) Parallel/Perpendicular	<u>N</u>		
Birefringence (c.l.m.h)	<u>+</u>		
Type(s) of Non-Asbestos Fibers Present (and %)	<u>30% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>50% Asbestos</u>		
Total % Asbestos (sample)	<u>30% Amphibole</u>		

Comments: _____

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
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Bulk Asbestos Analysis Report

EnviroMed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: FH-00-057-A-85

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) skylight wall
Bldg A. Main
Int. Street Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite: <input checked="" type="checkbox"/>
		Wallboard:
		Other:

Collected by: T.O.B.

Analyzed by: _____

Date: 2-10-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments:

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
 The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Bulk Asbestos Analysis Report

EnviroMed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: 24-00-057-A-86

Lab # 17714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Sect III, Roof
Bldg A. Main
Int Silver Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>x Pipe Flashing</u>

Collected by: T.O.B.

Date: 2-10-00

Analyzed by: [Signature]

Date: 2/23/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)	<u>Black fibers</u>		
Type of Asbestos Present	<u>Amphibole</u>		
Percent Asbestos	<u>20%</u>		
Morphology	<u>Acicular</u>		
Refractive Index Parallel/Perpendicular	<u>1.54/1.56</u>		
Dispersion Colors Parallel/Perpendicular	<u>1st blue 1st magenta</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>1st 2nd</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color) Parallel/Perpendicular	<u>A</u>		
Birefringence (o.l.m.h)	<u>4</u>		
Type(s) of Non-Asbestos Fibers Present (and %)	<u>20% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>80% Portland</u>		
Total % Asbestos (sample)	<u>20% Amphibole</u>		

Comments:

25 Science Park New Haven, CT (203)786-5580

Sample ID #: ZH-00-057-A-87

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Sect. III Roof
Bldg A. Main
Int. Silver G. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Pipe Flashing</u>

Collected by: T.O.B.

Analyzed by: [Signature]

Date: 2-10-00

Date: 2/23/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)	<u>Black fibrous</u>		
Type of Asbestos Present	<u>Chrysotile</u>		
Percent Asbestos	<u>2.1%</u>		
Morphology	<u>whisker</u>		
Refractive Index Parallel/Perpendicular	<u>1.54 / 1.56</u>		
Dispersion Colors Parallel/Perpendicular	<u>4th blue / 1st yellow</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>PJ</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color) Parallel/Perpendicular	<u>X</u>		
Birefringence (c.l.m.h)	<u>X</u>		
Type(s) of Non-Asbestos Fibers Present (and %)	<u>DI Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>DI Paper</u>		
Total % Asbestos (sample)	<u>2.1% Chrysotile</u>		

Comments: _____

Sample ID #: ZH-00-057-A-88

Lab # 17714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Section III Roof
Bldg A. Main
Int. Siter Co., Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Roofing</u>

Collected by: T.O.B.
 Date: 2-10-00

Analyzed by: [Signature]
 Date: 2/13/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<u>Black tar</u>		
Type of Asbestos Present	<u>Chrysotile</u>		
Percent Asbestos	<u>15%</u>		
Morphology	<u>wavy</u>		
Refractive Index Parallel/Perpendicular	<u>1.54/1.53</u>		
Dispersion Colors Parallel/Perpendicular	<u>Blue</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>+</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color) Parallel/Perpendicular	<u>H</u>		
Birefringence (o.l.m.h)	<u>+</u>		
Type(s) of Non-Asbestos Fibers Present (and %)	<u>OT-Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>85% Paracetamol</u>		
Total % Asbestos (sample)	<u>5% Chrysotile</u>		

Comments: NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
 The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Sample ID #: IH-00-057-A-89

Lab # 14714

Client Name, Address: G. Z. A. Environmental

Sample Location: (Including Room, Building) Section III Roof
Bldg A. Main
Int. Silver Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Painting</u> <u>1st Floor</u>

Collected by: T.O.B. [Signature]
 Date: 2-10-00

Analyzed by: [Signature]
 Date: 2/10/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,i,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
 The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Sample ID #: 24-00-057-A-90

Lab # 14714

Client Name, Address: G.Z.A. Environmental

Sample Location: (Including Room, Building) Section III Roof
Bldg A. Main
Int. Stue G, Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>2nd floor roofing</u>

Collected by: T.O.B.

Analyzed by: [Signature]

Date: 2-10-00

Date: 7/23/06

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
 The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Sample ID #: FH-00-057-A-91

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Section III Roof
Bldg. A. Main
Int. Silver Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>2nd Layer Roofing</u>

Collected by: T.O.B.

Analyzed by: [Signature]

Date: 2-10-00

Date: 2/23/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
 The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Sample ID #: PH-00-057-A-92

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Section III, Roof
Bldg A. Main
Int. Silver Co., Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>2nd Layer Roofing</u>

Collected by: T.O.B.

Analyzed by: [Signature]
 Date: 2/23/00

Date: 2-10-00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
 The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Sample ID #: 2H-00-057-A-93

Lab # 17714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Section III, Roof
Bldg A. Main
Int. St. W. Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>3rd Layer, Roofing</u>

Collected by: T.O.B.

Analyzed by: [Signature]

Date: 2-10-00

Date: [Signature]

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
 The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Sample ID #: 7H-00-057-A-94

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Section III Roof
Bldg A. Main
Int. Silver Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>4" Layer Roofing</u>

Collected by: T.O.B.

Analyzed by: [Signature]

Date: 2-10-00

Date: 2/23/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

Sample ID #: 7H-00-057-A-95

Lab # 14714

Client Name, Address: GZA Environmental

Sample Location: (Including Room, Building) Section III, Roof
Bldg A. Main
Int. Silver G. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>4" Layer Roofing</u>

Collected by: T.O.B.

Analyzed by: [Signature]
 Date: 2/23/00

Date: 2-10-00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
 The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Sample ID #: ZH-00-057-A-96

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Section III Roof
Bldg A. Main
Int. Silver C. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Flashing 15 lbs per sq</u>

Collected by: T.O.B.

Analyzed by: [Signature]

Date: 2-10-00

Date: 2/23/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<u>black fibers</u>		
Type of Asbestos Present	<u>Chrysotile</u>		
Percent Asbestos	<u>10%</u>		
Morphology	<u>fibrous</u>		
Refractive Index Parallel/Perpendicular	<u>1.54</u>		
Dispersion Colors Parallel/Perpendicular	<u>11 magenta</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>+</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color) Parallel/Perpendicular	<u>+</u>		
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>10% Chrysotile</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>90% Portland cement</u>		
Total % Asbestos (sample)	<u>10%</u>		

Comments: _____

Bulk Asbestos Analysis Report

EnviroMed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: ZH-00-057-A-97Lab # 14714Client Name, Address: G. Z. A EnvironmentalSample Location: (Including Room, Building) Section III, Roof
Bldg A. Main
Int. Suther Co, Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Flashing 1" Layer</u>

Collected by: T.O.B.Analyzed by: Cynthia SzymonDate: 2-10-00Date: 2/23/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments:

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Bulk Asbestos Analysis Report

EnviroMed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: IH-00-057-A-98

Lab # 17714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Section III, Roof
Bldg A. Main
Int. Siter Co., Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Flashing 2nd Layer</u>

Collected by: T.O.B.

Analyzed by: _____

Date: 2-10-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Sample ID #: PH-00-057-A-99

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Section III, Roof
Bldg A. Main
Int. Silver Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Flashing 2nd Layer</u>

Collected by: T.O.B.

Analyzed by: _____

Date: 2-10-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non- fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

Bulk Asbestos Analysis Report

Enviromed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: IH-00-057-A-100

Lab # 17714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Section III, Exterior
Bldg A. Main
Int. Silver Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>stucco</u>

Collected by: T.O.B.

Analyzed by: [Signature]

Date: 2-10-00

Date: 2/23/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)	<u>Y</u>		
Gross Appearance (color, texture)	<u>grey cementitious</u>		
Type of Asbestos Present	<u>Chrysotile</u>		
Percent Asbestos	<u>15%</u>		
Morphology	<u>Wavy</u>		
Refractive Index Parallel/Perpendicular	<u>1.54/1.54</u>		
Dispersion Colors Parallel/Perpendicular	<u>11 magenta</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>+</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color) Parallel/Perpendicular	<u>H</u>		
Birefringence (o.l.m.h)	<u>L</u>		
Type(s) of Non-Asbestos Fibers Present (and %)	<u>10% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>5% Portland</u>		
Total % Asbestos (sample)	<u>15% Chrysotile</u>		

Comments:

Sample ID #: IH-00-057-A-101

Lab # 17714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Section ID Exterior
Bldg A. Main
Int. Silver Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Skylight + Window Cank</u>

Collected by: T.O.B.

Analyzed by: _____

Date: 2-10-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

Bulk Asbestos Analysis Report

EnviroMed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: ZH-00-057-A-102

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Section 7
Bldg A. Main
Int. Silver Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Roofing Layer 2</u>

Collected by: T.O.B.

Analyzed by: Quinta Sampson

Date: 2-10-00

Date: 12/23/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)	X		
Gross Appearance (color, texture)	<u>Black Tan</u>		
Type of Asbestos Present	<u>not clear coating</u> <u>Chrysotile</u>		
Percent Asbestos	<u>20%</u>		
Morphology	<u>fibrous</u>		
Refractive Index	<u>1.52</u>		
Parallel/Perpendicular	<u>11.5-15.0</u>		
Dispersion Colors	<u>blue</u>		
Parallel/Perpendicular	<u>11.7-12.5</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>P</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color)	<u>H</u>		
Parallel/Perpendicular	<u>H</u>		
Birefringence (o.l.m.h)	<u>1.5</u>		
Type(s) of Non-Asbestos Fibers Present (and %)	<u>10% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>70% Portland</u>		
Total % Asbestos (sample)	<u>20% Chrysotile</u>		

Comments:

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

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Bulk Asbestos Analysis Report

Enviromed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: ZH-00-057-A-103

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Section 2
Bldg A. Main
Int. Site Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Roofing Layer 1</u>

Collected by: T.O.B.

Analyzed by: _____

Date: 2-10-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

Bulk Asbestos Analysis Report**Enviromed Services, Inc.**

25 Science Park New Haven, CT (203)786-5580

Sample ID #: IH-00-057-A-104Lab # 14714Client Name, Address: G. Z. A EnvironmentalSample Location: (Including Room, Building) Section I
Bldg A. Main
Int. Silver Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Roofing Layer 2</u>

Collected by: T.O.B.

Analyzed by: _____

Date: 2-10-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

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Bulk Asbestos Analysis Report

EnviroMed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: 2H-00-057-A-105

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Section 7
Bldg A. Main
Int. S. Inc. Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Roofing Layer 2</u>

Collected by: T.O.B.

Analyzed by: _____

Date: 2-10-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

Sample ID #: 2H-00-057-A-106

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Section 7
Bldg A. Main
Int. Stue Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Roofing Layer 3</u>

Collected by: T.O.B.

Analyzed by: _____

Date: 2-10-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

Sample ID #: PH-00-057-A-107

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Section 7
Bldg A. Main
Int. Silver G. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Roofing Layer 3</u>

Collected by: T.O.B.

Analyzed by: _____

Date: 2-10-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers			
Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____
 NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571
 The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Bulk Asbestos Analysis Report

Enviromed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: PH-00-057-A-108

Lab # 14714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Section I
Bldg A. Main
Int. Stair Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Flashing Cement</u>

Collected by: T.O.B.

Analyzed by: Cynthia S. [Signature]

Date: 2-10-00

Date: 2/23/00

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (v.n)			
Gross Appearance (color, texture)	<u>Blue fibrous</u>		
Type of Asbestos Present	<u>Amphibole</u>		
Percent Asbestos	<u>15%</u>		
Morphology	<u>random</u>		
Refractive Index Parallel/Perpendicular	<u>1.54/1.53</u>		
Dispersion Colors Parallel/Perpendicular	<u>H Blue H Magenta</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>R S</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color) Parallel/Perpendicular	<u>N</u>		
Birefringence (c.l.m.h)	<u>1</u>		
Type(s) of Non-Asbestos Fibers Present (and %)	<u>10% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>15% Portland Cement</u>		
Total % Asbestos (sample)	<u>15% Chrysotile</u>		

Comments: _____

Bulk Asbestos Analysis Report

Enviromed Services, Inc.

25 Science Park New Haven, CT (203)786-5580

Sample ID #: 2H-00-057-A-109

Lab # 17714

Client Name, Address: G. Z. A Environmental

Sample Location: (Including Room, Building) Section I
Bldg A. Main
Int. S. Inc. Co. Cooper St., Meriden CT

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Flashing Cement</u>

Collected by: T.O.B.

Analyzed by: _____

Date: 2-10-00

Date: _____

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: _____

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Prepared for:
City of Meriden Economic Development
142 East Main Street
Meriden, CT 06450



Supplemental Investigation and Soil Re-use Evaluation Report

AECOM, Inc.
August 2009
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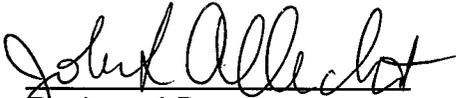
Supplemental Investigation and Soil Re-use Evaluation Report

Former INSILCO, Factory H
Meriden, Connecticut

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August 2009
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EXECUTIVE SUMMARY

Supplemental Investigation and Soil Re-Use Evaluation INSILCO, Factory H Meriden, Connecticut AECOM Environment August 2009

A Supplemental Investigation and Soil Re-Use Evaluation were completed at the two abutting parcels located on 77 Cooper Street and 104 Butler Street, referred to as the Former International Silver Company (Insilco), Factory H property. A Site Location Map is provided as Figure 1. The Supplemental Investigation was completed to further investigate and refine the estimated extents of impacts previously identified at several site Areas of Concern (AOCs) and Connecticut Department of Environmental Protection (CTDEP) Stabilization Areas (SAs), as well as to evaluate conditions in areas not previously investigated. The Soil Re-Use Evaluation was completed on the southeastern portion of the property located on the eastern side of Harbor Brook, also in an area not previously investigated. A Site Plan is provided as Figure 2.

Both investigations were performed to obtain data that aims to provide site environmental condition information and assist the City of Meriden in its efforts to evaluate re-use alternatives located at the former industrial property. The Soil Re-Use Evaluation was performed specifically to identify whether soils in an area just east of Harbor Brook could be re-used at other site areas in accordance with the Connecticut Remediation Standard Regulations (RSRs).

The Supplemental Investigation included the completion of 21 soil borings. The soil borings ranged in depth from 0.5 feet (ft) below ground surface (bgs) to 15 ft bgs. The soil samples were field inspected and select depth intervals were collected for laboratory analyses. Selected soil samples were analyzed for one or more of the following: volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs) or the polycyclic aromatic hydrocarbon (PAH) fraction of SVOCs, extractable total petroleum hydrocarbons (ETPH), various metals and poly-chlorinated biphenyls (PCBs). Thirty soil samples (including QA/QC) were analyzed as part of this investigation.

Other tasks included in the Supplemental Investigation included installing two monitoring wells, groundwater sampling from the two newly installed wells along with select existing monitoring wells (14 groundwater samples, including QA/QC samples), groundwater gauging, surveying to locate all sample locations and reporting.

The Soil Re-Use Evaluation included the completion of six borings to a depth of 15 ft bgs. Two soil samples per boring were collected for laboratory analyses of one or more of the target compounds listed above. These sample locations and results were also included in the surveying and reporting tasks discussed above (see Figure 3).

These scopes of work included approval from the United States Environmental Protection Agency (EPA) prior to the commencement of field work. The following is a summary of the findings.

Supplemental Investigation - Soil

The Supplemental Investigation findings included lead and PAH impacts exceeding their respective residential (RES) and/or Industrial/Commercial (I/C) direct exposure criteria (DEC) in shallow soils in AOC-15A/B (former debris piles located in the eastern portion of the site). Impacts identified were similar to those previously identified in these areas (M&E Phase II/III ESA, 2007). Select PAHs also exceeded the I/C DEC in this area. Additionally, one PAH exceedance of the GB Pollutant Mobility Criteria (PMC)/Groundwater Protection Criteria (GWPC) X 10 was identified in one location. The estimated extents of soil exceeding RSR criteria in these AOCs have been modified to incorporate these new findings with the previous investigation results. The estimated extents of soil exceeding the RS criteria are presented on Figures 4, 5, and 6. In general, the areas exceeding the DEC have increased slightly and the areas exceeding PMC have decreased.

Shallow lead and PAH impacts were also identified above the RES DEC and the I/C DEC (for PAHs only) in the AOC-17 and AOC-24 area (northeast portion of the property), whereas PAHs and TCE were previously identified above RSR criteria during the 2007 Phase II/III ESA. No additional significant VOC impacts were identified in the soil sampling performed in this area during the Supplemental Investigation. The estimated extents of soil exceeding RSR criteria in these AOCs have been modified to incorporate these new findings with the previous investigation results. In general, the areas of RES and I/C DEC have been expanded and the areas of PMC exceedances have decreased.

Subsurface conditions beneath Building A (AOC-33) were also evaluated during the Supplemental Investigation. Limited soil sampling was completed which identified the presence of lead, arsenic, PAHs, and extractable total petroleum hydrocarbons (ETPH) above the RES and/or I/C DEC in the unsaturated soils beneath the building. These exceedances are located beneath the southern half of the building. Access to various interior areas was limited during field investigation activities due to flooding and excessive ice and water. The estimated extents of soil exceeding RSR criteria underneath Building A have also been incorporated into the site plans. However, due to the limited access, additional testing underneath the building is recommended.

Soil Re-use Evaluation

The Soil Re-Use evaluation conducted in the southeastern portion of the site identified various PAHs and ETPH at depths of up to six feet bgs with concentrations that exceeded the RES and/or I/C DEC. ETPH was identified throughout this area at concentrations that did not exceed RSR criteria. The estimated extents of soil exceeding RSR criteria within the Soil Re-use Evaluation area have also been incorporated into the site plans.

Supplemental Investigation - Groundwater

The Supplemental Investigation included the collection of additional groundwater data at select newly installed and existing monitoring well locations. The purpose of the newly installed well on the upgradient property line in the northeast portion of the site (in the vicinity of AOC-17 and AOC-25) is to evaluate whether impacted groundwater may be entering the site from an off-site location. The purpose of the groundwater testing beneath Building A is to evaluate groundwater quality in this portion of the site, as no

groundwater data has previously been obtained from beneath the building. Select existing wells were also sampled during this investigation to provide updated groundwater quality data and to evaluate concentration trends.

Monitoring well locations and RSR exceedances in groundwater are shown on Figure 7. Trichloroethylene (TCE) was detected above the RES VC in the new monitoring well completed on the northeastern property boundary (ME-MW-01). Other VOCs detected (tetrachloroethylene (PCE) and cis-1,2-dichloroethylene) at this location did not exceed RSR criteria. Although this monitoring well is located near the upgradient property line, it appears the groundwater impacts identified at this location are the result of historic on-site activities, as several isolated areas of impact have been previously identified in close proximity to this well location.

A comparison of chlorinated VOC concentrations from 2006 to 2009 from wells AOC-11-MW-1, MW-100, MW-101, MW-102, AOC-17-MW-1 and AOC3-MW-3 show an overall decreasing concentration trend from 2007 to 2009. Concentrations of PCE have decreased (or remained relatively unchanged in AOC-17-MW-1) in each of these wells. The concentration of vinyl chloride increased in AOC-3-MW-3 between 2007 and 2009. This may be the result of the parent compound (PCE) breaking down into vinyl chloride, which indicates natural attenuation processes are occurring at the site. This will be further evaluated as part of planned future monitoring.

Zinc, copper, and lead were detected above the surface water protection criteria (SWPC) in groundwater collected beneath Building A (AOC 33), an area not previously investigated. ETPH was detected in the groundwater sample collected; however, no RSR criteria has been established for ETPH. No VOCs or PAHs were detected in this area. An alternative SWPC could potentially address SWPC exceedances; however, CTDEP approval of alternative SWPC would be required.

Summary

The Supplemental Investigation and Soil Re-Use Evaluation were conducted to further refine soil areas that exceed RSR criteria and to evaluate soil re-use alternatives related to conceptual site redevelopment plans. The preliminary concept plans include coordination of environmental remediation activities with the City's flood management program. Specifically, the concept plans include construction of a flood retention basin on the eastern side of the brook and increasing the ground elevation on the western side of the brook prior to commercial and/or residential development west of Harbor Brook.

The preliminary concept plans in this area include potential re-use of soils in accordance with RSRs (if feasible) from the eastern side of Harbor Brook onto portions of the site located on the western side of Harbor Brook. The results of this investigation will be incorporated into these concept plans. Depending on the specific plans developed in the future, focused testing in targeted redevelopment areas may be warranted. The soil data obtained to date is sufficient to develop remediation/flood control/redevelopment concepts.

In addition to supporting conceptual redevelopment plans, the refined areas of impacted soil that exceed RSR criteria may be used to develop interim remedial action plans to remediate the areas identified with the greatest impact. These interim remedial actions could be conducted using the two existing EPA Cleanup Grants allocated to the Factory H site.

Further evaluation of monitored natural attenuation (MNA) will be conducted in 2009. The additional evaluation will include analysis of chlorinated VOCs from select wells in the northeast portion of the site (includes select wells sampled during this Supplemental Investigation). Groundwater trends will continue to be evaluated as part of this evaluation. The MNA evaluation will also be incorporated into site redevelopment and remediation plans and will help elucidate future groundwater remediation requirements, costs and timeframes. This information is important for understanding potential long-term costs related to the site.

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Former INSILCO, Factory H
Meriden, Connecticut
AECOM Environment
August 2009**

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1.0 Introduction

AECOM Environment (AECOM – formerly Metcalf & Eddy [M&E]) has completed a Supplemental Investigation and Soil Reuse Evaluation for the two abutting parcels located at 77 Cooper Street and 104 Butler Street, and commonly referred to as the Former International Silver Company (Insilco), Factory H property, in Meriden, Connecticut (herein referred to as “the site”). A Site Location Map is provided in Figure 1.

Although initially these projects were treated separately and separate Quality Assurance Project Plans (QAPPs) were prepared for each investigation, for reporting purposes, these investigations have been combined into one document provided herein. These investigations were completed in February (Supplemental Investigation) and March (Soil Re-Use Evaluation) of 2009.

The site was investigated on behalf of the City of Meriden, Office of Economic Development (the “City”). The results of this investigation will facilitate the development of remediation/redevelopment concepts for the site. This report is subject to the Statement of Limitations provided as Appendix A.

The Supplemental Investigation was performed to address data gaps remaining on several previously investigated areas of concern (AOCs) at the site. The objective of this investigation was to further refine the estimated extent of contaminated soil areas that could result in significant cost impacts to site redevelopment.

The Soil Re-Use Evaluation was conducted on the southeastern portion of the site not previously investigated. This evaluation was performed to evaluate soil re-use alternatives related to conceptual site redevelopment plans. The preliminary concept plans in this area include potential re-use of soils (if feasible), in accordance with Connecticut Remediation Standard Regulations (RSRs), from portions of the property located west of Harbor Brook. The preliminary concept plans include coordination of environmental remediation activities with the City's flood management program. Specifically, the concept plans include construction of a flood retention basin on the eastern side of the brook and increasing the ground elevation on the western side of the brook prior to commercial and/or residential development west of Harbor Brook.

The supplemental investigation and soil re-use evaluation were conducted in accordance with the following documents:

- Scope of Work (SOW) for the Completion of Supplemental Environmental Services for the Insilco, Factory H site, dated September 26, 2008 (detailing the Supplemental Investigation) and November 24, 2008 (detailing the Soil Re-Use Evaluation).
- QAPP Addendum for Supplemental Environmental Investigation prepared for the Insilco, Factory H site (January 12, 2009).
- QAPP Addendum for Soil Re-Use Evaluation prepared for the Insilco, Factory H site (February 25, 2009).

In addition to the information and data collected by AECOM, information from previous environmental investigations has been incorporated into this report, including M&E's

April 2006 Phase I ESA, M&E's March 2007 Phase II/III ESA, and the Connecticut Department of Environmental Protection (CTDEP) site stabilization activities.

1.1 Scope of Work and Objectives

Based on the Phase I and Phase II/III ESA findings, and the SOW from both the Supplemental Investigation and Soil Re-Use Evaluation, these investigations were performed to:

- Evaluate environmental conditions of soil and groundwater beneath Building A;
- Refine the extents of surficial soil impacts within three of the larger AOCs previously identified at the site (AOCs 15, 17/24, and 33);
- Install an additional monitoring well to evaluate whether impacted groundwater may be entering the site from an off-site location;
- Conduct a supplemental round of groundwater sampling at the site; and
- Evaluate soil on the southeastern portion of the site for its beneficial on-site re-use potential.

The specific tasks performed as part of the Supplemental Investigation and Soil Re-Use Evaluation were completed to meet the stated objectives presented below:

Pre-Field Tasks

- Preparation of separate QAPP Addendums for each investigation;
- Preparation of a site specific Health and Safety Plan (HASP) to provide guidelines for the Supplemental Investigation and Soil Re-Use Evaluation work;
- Coordination with the United States Environmental Protection Agency (USEPA), CTDEP, City of Meriden, and subcontractors; and
- Sample location stakeout and utility clearance.

Field Work

- Conduct site surveying and mapping;
- Complete Geoprobe® soil borings and monitoring well installation to provide for soil and groundwater sample collection;
- Collect groundwater measurements;
- Collect surficial and soil boring soil samples to provide chemical data; and
- Collect groundwater samples utilizing low flow sampling methods, which also provide chemical data, and evaluate potential migration pathways.

Reporting Tasks

- Provide a description of the soil sampling, monitoring well installation, and groundwater sampling activities;
- Provide soil boring, well installation, and groundwater sampling logs;
- Summarize and evaluate soil and groundwater sampling;
- Compare and evaluate analytical results with the RSR criteria;
- Provide figures presenting the soil and groundwater data;
- Provide a narrative of the analytical results; and
- Provide conclusions.

2.0 RSR Criteria

The following regulations and associated criteria are presented as they have been used to compare and evaluate the soil and groundwater data obtained during this Investigation.

2.1 Connecticut Remediation Standard Regulations

The Regulations of Connecticut State Agencies (RCSA) Sections 22a-133k-1 through 22a-133k-3, inclusive, comprise the RSRs. These regulations are applicable to various sites in Connecticut including those undergoing investigation and remediation under the Property Transfer Program, an administrative order from CTDEP, or under one of the CTDEP Voluntary Remediation Programs. The subject site is proposed to be remediated under one of Connecticut's Voluntary Remediation Programs as described in RSCA Sections 22a-133x and 133y. The criteria are discussed in the following subsections.

2.1.1 Soil Remediation Criteria

The RSRs contain numerical, default criteria for contaminated soil associated with a release area that are based on both the potential for direct human health impacts from exposure to contaminants (direct exposure criteria) and on the potential for the soils to have an adverse impact on groundwater (pollutant mobility criteria). Two sets of direct exposure criteria are specified: one derived for residential land use, and the other derived for industrial and commercial land use. Similarly, two sets of pollutant mobility criteria are specified: one for areas with a groundwater classification of GA/GAA, and one for a groundwater classification of GB. Class GA/GAA groundwater is groundwater that is an existing or potential source of potable water and is presumed to be suitable for human consumption without the need for treatment. Class GB groundwater is presumed to have been degraded by past urban or industrial activities and may not be suitable for human consumption without treatment. Additional information on these criteria is presented in the following sections.

Direct Exposure Criteria (DEC)

The RSR definition of "residential activity" includes activities related to a residence or dwelling, as well as activities related to schools, hospitals, daycare centers, playgrounds, or outdoor recreation areas. The residential direct exposure criteria ("RES DEC") apply in areas with residential activities, but are also the default criteria used to evaluate potential human exposure in all areas. Industrial/commercial direct exposure criteria ("I/C DEC") may be applied to areas that do not fit the definition of residential activity, but an Environmental Land Use Restriction ("ELUR") must be recorded to prevent residential uses of the property. These criteria are for comparison to soils data analyzed on a mass of contaminant to mass of soil basis (typically milligram per kilogram, or mg/kg).

Pollutant Mobility Criteria (PMC)

The RSRs include a set of numerical pollutant mobility criteria (PMC) for soils contaminated with organic contaminants in GA and GB areas on a mass/mass basis. Alternatively, the results of TCLP (toxicity characteristic leachate procedure) or SPLP (synthetic precipitation leachate procedure) analyses for some organic contaminants can be compared to the groundwater protection criteria (GWPC) times 10. This allows for the comparison of the detected mass of contaminant per liter of leachate (mg/L). The RSR criteria for inorganic contaminants are based on TCLP or SPLP analysis of the soil, but the PMC X 20 screening method may be used to evaluate the potential for PMC exceedances. The PMC X 20 screening method represents the theoretical maximum concentration that may potentially leach from soil.

The CTDEP may also approve alternative PMC, however, a site-specific demonstration may be required that shows that after dilution of soil water with on-site groundwater, the groundwater protection criteria (GWPC) will not be exceeded.

2.1.2 Groundwater Remediation Criteria

The RSRs also contain numerical, default criteria for contaminated groundwater associated with a release area. Criteria are established to protect groundwater and surface water resources, and to protect human health from contaminants that may volatilize from contaminated groundwater. Additional information on these criteria is presented in the following sections.

Groundwater Protection Criteria (GWPC)

The RSRs specify only one set of groundwater protection criteria (GWPC) for both GA and GB areas. However, the remediation goals differ by groundwater classification. For GA areas, the goal is to maintain background concentrations or, at a minimum, the default GWPC. In GB areas, it is assumed that groundwater has been impacted. The goal is to maintain the quality of the groundwater to support existing uses. The GWPC does not apply to GB classified groundwater areas.

Surface Water Protection Criteria (SWPC)

The surface water protection criteria (SWPC) is used to evaluate potential impacts to surface waters that receive discharge of contaminated groundwater. If the discharge of such groundwater interferes with the attainment of surface water quality standards, then groundwater remediation may be required. In addition, if the groundwater discharges to a wetland or to an intermittent stream, aquatic life criteria (ALC) and human health criteria (HHC) established in Appendix D of the Water Quality Standards (CTDEP, December 17, 2002) are used to evaluate the need for remediation. According to the RSRs, alternative surface water protection criteria (ASWPC) may be calculated and submitted to CTDEP for approval.

Volatilization Criteria (VC)

The RSRs include volatilization criteria (VC – proposed revisions March 2003) for contaminated groundwater within 30 feet of the ground surface, or upgradient of or beneath a building. The intent of these criteria is to prevent human exposure to volatile organic vapors emanating from impacted groundwater. As with the soil criteria, volatilization criteria for both residential (RES VC) and industrial/commercial (I/C VC) uses are specified, and alternative criteria may be developed with the approval of the CTDEP. Groundwater on the site is typically found within 10 feet of the ground surface.

2.2 Additional RSR Information

In addition to the criteria discussed above, the RSRs include additional alternatives for statistical evaluation of sample data, such as the use of 95% upper confidence level data to compare to the RSR criteria; rendering soil that exceeds DEC inaccessible; which requires the institution of environmental land use restrictions; reuse of polluted soil; engineered controls of contaminated media; remediation requirements for non-aqueous phase liquids (NAPL); development of criteria for substances that are not specified in the RSRs; development of alternative criteria; technical impracticability; and other issues. In addition, there are soil vapor criteria and indoor air target concentrations that may be used to evaluate volatilization issues if the VC are exceeded.

2.3 Summary of RSR Criteria Applied to the Site

Based on the GB designation for site groundwater and the potential land uses of the site following redevelopment, the RSR criteria that apply to soil data obtained from this investigation are the GB PMC and RES DEC. Since the RES DEC are the RSR default criteria, and the RSRs permit Environmental Land Use Restrictions (ELUR) that constrict future use of a site to non-residential uses, comparison to the I/C DEC is also provided herein. Groundwater data are compared to the SWPC, RES VC, and I/C VC.

In addition to the default RSR criteria utilized to evaluate contaminant concentrations in soil, the GWPC X 10 was used to compare SPLP results of organic compounds.

Total metals concentrations were screened for potential GB PMC exceedances using the mass based PMC X 20 screening method. Typically, total metal concentrations which exceed the PMC X 20 screening method are capable of yielding leachable amounts which exceed the PMC if analyzed by TCLP/SPLP methods. The CTDEP allows this screening method to evaluate potential PMC exceedances without having to perform leachable analytical testing.

3.0 Site Description and Environmental Conditions

3.1 Site Setting and History

The Factory H property, approximately 7.2 acres in size, is located on Cooper Street, in the City of Meriden, New Haven County, Connecticut. The site is bisected by Harbor Brook and is located in an area of mixed commercial, industrial, and residential land use. The site is bound by Cooper Street to the south, and residential/commercial properties to the east, west, and north. A site location map is provided as Figure 1.

The site and site history was described in the Brownfields Targeted Site Assessment Final Report (Weston, September 1999) and Supplemental Phase II Environmental Site Evaluation (GZA, June 2000). The site was used for a variety of industrial and manufacturing purposes from the late 1800s until approximately 1974, at which time the property was vacated. Industrial processes historically conducted on the site included silverware and gun manufacturing. Processes included casting, plating, machining, trimming, polishing, buffing, forging, storage, and shipping. The property has remained vacant since 1974, and is currently abandoned.

Three buildings, constructed between approximately 1886 to 1947, are present on the site: Building A (Factory H) is a 100,000+ square foot, multi-story former manufacturing structure; Building B is a 900 square foot former transformer/electrical house; and Building C is a 7,200 square foot former power plant. There are several additional structures, including a footbridge and water tower, on the site. A fourth building (Building D), formerly on the northeast portion of the site, was destroyed by fire and demolished circa 1980. Initially a gun manufacturing shop, Building D housed a machine shop, a foundry, and a pattern shop. Building A is located to the west of the brook, while Buildings B and C are east of the brook. The remainder of the eastern side of the brook is primarily a cleared space. The site is located within the 100-year flood plain. Figure 2 presents a site plan.

Factory H is known to have used alkali soaps, sulfuric acid, oils, nickel, silver, chromium, copper, zinc, acid and alkali solutions, and halogenated and non-halogenated solvents. Other constituents of concern (COCs) on the site include, but may not be limited to, asbestos, other metals (including lead), cyanide, PCBs, total petroleum hydrocarbons, and volatile and semi-volatile organic compounds. Twenty-two cyclone-like dust collectors were previously located along the east side of Building A. The dust collectors were used to collect metal dust from the former silverware manufacturing operations. Nineteen of the 22 dust collectors and associated framing were removed during a Supplemental Environmental Project (SEP) performed in December 2008 by TransWaste, Inc.

3.2 Surrounding Properties

The site is located in an area of mixed commercial, industrial, and residential land use. Properties adjacent to the site include both commercial and residential. The site is bordered by railroad tracks and Cherry Street residences to the east; commercial establishments, Harbor Towers and Hanover Towers to the north; Louie's Auto Garage

and Cooper Street to the south/southeast; and the former Veteran's Memorial Medical Center and Cook Avenue residences to the west. A Yankee Gas natural gas facility and residential properties are located to the south of the site, across Cooper Street.

3.3 Previous Investigations

Various environmental activities have been conducted at the site. Environmental work has been documented in the following reports:

- HRP Associates, Inc., *Site Assessment Report*, June 21, 1988.
- Advanced Environmental Interface. *Assessment of Site Environmental Conditions Report*, January 24, 1990.
- ICF Kaiser Engineers, Inc., *Underground Storage Tank Sampling Report*, December 17, 1990.
- Roy F. Weston, Inc., *Removal Program Preliminary Assessment/Site Investigation Report*, December 22, 1997.
- Roy F. Weston, Inc., International Silver Co., Factory H, *Brownfields Targeted Site Assessment Final Report*, September 8, 1999.
- GZA GeoEnvironmental, Inc., *Supplemental Phase II, Environmental Site Evaluation, International Silver Company, Factory H Site, Meriden, Connecticut*, June 2000.
- Subsurface Information Surveys. *Ground Penetrating Radar Survey Results For the Investigation for the Location of: Underground Storage Tanks & Utilities At: 77 Cooper St., Meriden, CT*, July 2005.
- Advanced Environmental Interface (AEI). *Removal Stabilization Activities Summary Report, Former International Silver Company/Insilco Factory H Site, Meriden, CT*. February 2006.
- Metcalf & Eddy, Inc. *Phase I Environmental Site Assessment Report. INSILCO, Factory H Site, Cooper Street, Meriden, Connecticut*. November 2006.
- Metcalf & Eddy, Inc. *Phase II/III Environmental Site Assessment Report. International Silver Company, Factory H, Meriden, Connecticut*. March 28, 2007.

Weston identified a total of 29 (AOCs). Four additional AOCs were identified by M&E, for a total of 33 AOCs. All 33 AOCs, designated AOC-1 to AOC-33, are listed in Table 1. Each area is varied with respect to the number of soil and groundwater samples collected and the laboratory analyses performed. With the exception of AOC-25 (Contaminated Groundwater) and AOC- 31 (Site-Wide Surficial Soils), all AOCs are shown on Figure 2.

Under the guidance of the CTDEP in 2004-2005, and on behalf of MidState Medical Center (MMC), removal/stabilization activities were performed by Advanced Environmental Interface, Inc. (AEI) to remove certain hazardous materials and stabilize certain hazardous conditions at the former International Silver Company/Insilco Factory H site. Data from this and other investigations were provided in Appendix E of Metcalf & Eddy's Phase II/III ESA. The Removal/Stabilization Activities Summary Report (AEI, February 2006) described these activities. A total of 23 removal/stabilization areas were identified as SA-A to SA-W and are also listed in Table 1. The types and quantities of materials removed/stabilized are discussed in the Roy F. Weston Inc. and GZA GeoEnvironmental, Inc. reports listed above.

These removal/stabilization areas have been assigned labels of "Stabilization Area" A through W (SA-A to SA-W). As shown on Table 1, a number of the stabilization areas

overlap with specific AOCs. As confirmatory soil sampling was apparently not conducted during the stabilization/removal process, it was completed during the Phase II/III conducted by M&E in 2007. Three additional AOCs (#30 to #32) were added to the list of AOCs. AOC 33 was added by the M&E Phase I completed in November 2006.

The M&E Phase II/III report was completed in March of 2007. Field activities included the completion of 28 soil borings, six of which were finished as groundwater monitoring wells, the collection of 52 soil boring samples, 29 surficial soil samples, (including QA/QC samples and two river bank (RB) samples collected from the upper 2-4 feet on the western bank of Harbor Brook), and six groundwater samples (including one QA/QC sample), and land surveying for base map preparation. An additional eight soil borings were completed as monitoring wells near the eastern property boundary on the 104 Butler Street parcel to evaluate a VOC groundwater plume, adjacent to residential structures along Cherry Street. From these locations, eight groundwater samples and two soil boring samples were collected. A total of 21 areas of concern (AOCs) were investigated during the Phase II/III ESA. The Phase II/III determined that approximately 10 AOCs did not require any additional investigation and developed 11 larger areas that were comprised of multiple AOCs and SAs. A summary table of the Phase II/III results was included in Appendix B-4 of the January 2009 QAPP Addendum.

3.4 Site Utilities

The site is connected to municipal water and sewer service, which are currently inactive. Underground natural gas, electric, and telephone utilities are on-site. Of significance to the sampling plan is the presence of active underground gas lines located in the vicinity of the brook; one buried gas line is located on each side of the brook.

3.5 Water Supply Wells

There are no known potable water supply wells within 500 feet of the site (EDR report, February 23, 2006).

3.6 Surface Water

The site is bisected by Harbor Brook, which connects to the Quinnipiac River. Harbor Brook has a B surface water classification (CTDEP, 1993). A B surface water classification indicates that the water may be a suitable fish and wildlife habitat.

3.7 Groundwater

The CTDEP classification for the groundwater in the vicinity of the site is GB, which is defined as groundwater that is presently known or presumed to be degraded due to historical land use practices and is not suitable for human consumption without prior treatment (Water Quality Classifications Map for Housatonic River, Hudson River, and Southwest Coastal Basins, CTDEP, 1997).

Groundwater flow direction was estimated by Weston (1999). On the eastern portion of the site, groundwater is estimated to flow in a southwesterly direction towards Harbor Brook. Conversely, on the western portion of the site, groundwater is estimated to flow in a southeasterly direction towards Harbor Brook. Groundwater flow direction was

confirmed to flow to the southeast on the eastern portion of the site (east of Harbor Brook) during M&E's 2007 Phase II/III investigation, as well as during this investigation. Groundwater flow direction is inferred to be toward the brook on the western site parcel; however, this has not been confirmed. A summary of available groundwater elevation data is provided in Table 2.

3.8 Surficial and Bedrock Geology

The Surficial Materials Map of Connecticut identifies the unconsolidated material overlying bedrock as a mixture of gravel and sand (CTDEP, 1992). According to the Bedrock Geological Map of the Meriden Quadrangle of Connecticut (USGS, 1985), bedrock beneath the site is identified as New Haven Arkose, a sandstone.

4.0 Supplemental Investigation and Soil Re-use Evaluation Activities

4.1 Pre-Field Work

The Supplemental Investigation work performed at the site was completed in accordance with AECOM's January 12, 2009 QAPP Addendum, and the Soil Re-use Evaluation was completed in accordance with AECOM's February 25, 2009 QAPP Addendum, both of which were reviewed and approved by EPA Region I prior to commencement of site work (approvals dated January 14 and March 12, 2009 respectively). The QAPP's included a sample design, which utilized the Conceptual Site Modeling (CSM) process described in the text entitled "Conceptual Site Modeling: A Process for Effective Site Characterization, Environmental Professionals' Organization of Connecticut, June 8 & 12, 2001, Gray Conference Center, University of Hartford".

Prior to initiating intrusive field activities at the site, a site-specific HASP was developed. The HASP was designed to meet the requirements of 29 CFR 1910.120. The HASP assumed that modified Level D personal protection was sufficient for all field work. The air in the breathing zone was monitored for organic vapors during intrusive activities using appropriate instrumentation. In addition, Call-Before-You-Dig (CBYD), a public utility locating service, was contacted to minimize interruption of buried utilities. All work was conducted in Modified Level D personal protective equipment.

Three contractors were procured for field and laboratory services: The contractors used during field investigations included Aquifer Drilling and Testing (ADT) of Bloomfield, Connecticut (soil boring and monitoring well installation services); Con-Test Analytical Laboratory, of East Longmeadow, Massachusetts (analytical laboratory services), and Nafis and Young Engineers (N&Y), of Northford, Connecticut (surveying services).

4.2 Soil Borings

The following subsections detail work completed during each of the investigations completed at the site.

4.2.1 Supplemental Investigation

Twenty-one soil borings were conducted at the site on February 17 and 19, 2009. The borings were drilled to depths ranging between 0.5 to 15.0 feet below ground surface (bgs). Soil boring locations are shown on Figure 3 and soil boring logs are located in Appendix B.

The soil borings were installed using a Geoprobe 54LT track mounted rig. Sample cores were collected using clean, disposable acetate liners and retrieved in 5-foot intervals. Each core was logged by the field engineer and field screened using a PID. Dedicated disposable sampling trowels were used to collect samples. All samples collected were grab samples. Sampling intervals were recorded on the boring logs. VOCs samples were collected in accordance with USEPA Methods 5035 and 8260b.

Up to two sample aliquots were collected from each soil boring. One aliquot was collected from a surficial interval within that soil boring, the other typically from an

interval spanning the water table or an additional interval based on field judgment. Soil samples were collected in clean, laboratory provided jars. Samples for VOC analyses were collected in 40 ml vials preserved with methanol and distilled water. All samples were stored on ice and kept under chain of custody protocol for subsequent submittal to ConTest via courier service for analysis of one or more of the following parameters:

- Volatile Organic Compounds (VOCs) by EPA Method 5035/8260b;
- Extractable Total Petroleum Hydrocarbons (ETPH) by CTETPH Method;
- PP15 Metals by EPA Method 6020/7471 and SPLP Metals by EPA Method 1312/6020/7471;
- Lead by EPA Method 7010; and
- PAHs by EPA Method SW846 8270 and SPLP PAHs by EPA Method SW846 1312/8270;
- RCRA 8 Metals by EPA Method SW846 3050/6010;
- Copper by EPA Method SW846 3050/6010; and
- Cyanide by EPA Method SW846 9014.

Excess soil cuttings were placed back into the open boreholes. The soil borings were then backfilled with clean sand to grade, if necessary, in unpaved areas. Borings completed in paved areas (i.e., beneath the building) were sealed with concrete to existing grade, with the exception of ME-MW-01 and ME-MW-02, which were completed as groundwater monitoring wells (details discussed in Section 4.3).

4.2.2 Soil Reuse Evaluation

Six soil borings were completed on March 3, 2009 using a Geoprobe direct-push drill rig. Soil borings were completed on the southeast section of the site adjacent to (east of) Harbor Brook. The soil borings were advanced to a depth of 15 feet bgs. Two samples were collected from each soil boring. Soil sampling methodology and the rationale for sample depth collection was essentially the same as what was discussed in the previous section (Section 4.2.1) for the Supplemental Investigation. Soil boring locations are shown on Figure 3 and soil boring logs are located in Appendix B.

Fourteen soil samples were collected during the Soil Re-Use Evaluation for laboratory analysis of one or more of the following parameters:

- VOCs by EPA Method 8260b;
- Total and SPLP SVOCs by EPA Method 8270;
- Total and SPLP CTDEP 15 metals by EPA Methods 3540 (Soxhlet extraction) and 8082 and EPA Methods 6000/7000 ;
- Total and SPLP Poly-chlorinated Biphenyls (PCBs) by EPA Methods 3540 (Soxhlet extraction) and 8082; and
- ETPH by CTETPH Method.

Excess soil cuttings were placed back into the open boreholes. Since all soil borings were completed in vegetated, unpaved areas, clean sand was used to backfill borings to existing grade, if necessary.

4.3 Monitoring Well Installation and Well Development

As part of the Supplemental Investigation, two monitoring wells (ME-MW-01 and ME-MW-02) were installed on February 17 and 19, 2009, respectively. Soil borings were conducted at the same locations. Monitoring well construction details are detailed in Appendix C.

Wells were constructed of 2-inch diameter PVC with 10-foot, 0.010-inch slotted screens. The well screens were set such that they intersected the approximate water table. The remaining length of the monitoring wells was completed with 2-inch PVC riser pipe. Upon completion of installation, the monitoring wells were developed using a 2-inch whale pump until purge water was visibly clear.

Monitoring ME-MW-01, located in the northeastern corner of the property, was completed with a 4-inch, stick-up steel standpipe. Monitoring well ME-MW-02, located in the southern (approximate) third of Building A (western site parcel) was completed with an 8-inch, flush mounted road box set in a concrete apron.

4.4 Groundwater Measurement and Sampling

Groundwater sampling was conducted on March 13, 2009. Water table elevations are presented in Table 2. EPA low-flow groundwater sampling procedures were followed and a peristaltic pump was used to collect the groundwater samples. The discharge from the pump was routed through a YSI 600 water-quality meter that measured dissolved oxygen, pH, temperature, ORP, and specific conductivity. The discharge was also analyzed for turbidity using a Lamont Turbidity Meter. These parameters were recorded on the groundwater sampling logs provided in Appendix D.

The groundwater was sampled after the parameters stabilized in accordance with EPA low-flow protocol. Groundwater samples were collected in clean laboratory provided containers preserved with hydrochloric acid (VOCs), nitric acid (metals), sodium hydroxide (cyanide), or unpreserved 1-liter amber jars. Samples were stored on ice and kept under chain of custody protocol for subsequent submittal to Con-Test via courier service for one or more of the following analyses:

- VOCs by EPA Method 8260b;
- Total CTDEP 15 Metals – EPA Method 6000/7000;
- PAHs by EPA Method 8270;
- Cyanide by EPA Method 9010/335.2;
- Zinc by EPA Method 6020/7471;
- Arsenic by EPA Method 6020/7471; and
- ETPH by CTETPH.

In addition, an oil/water interface probe was used to determine if free-product (light non-aqueous phase liquid – LNAPL) was present on the groundwater surface and its thickness, if present.

5.0 Sampling Analytical Results

Laboratory analytical reports for the soil and groundwater samples are located in Appendix E. The analytical results were evaluated with respect to the RSR criteria. Soil sample analytical results for the Supplemental Investigation are summarized in Table 3A, and analytical results for the Soil Re-use evaluation are summarized in Table 3B. Groundwater sample analytical results are summarized in Table 4. Data validation qualifiers for both soil and groundwater samples are provided in Table 5. Data validation methods are discussed in Section 6.0.

5.1 Soil Analytical Results

Exceedances of RSR criteria for soil samples are shown on Figures 4 through 7. A discussion of RSR exceedances by compound and AOC is provided below. Results are discussed as they pertain to the Supplemental Investigation (Section 5.1.1) and the Soil Reuse Evaluation (Section 5.1.2).

5.1.1 Supplemental Investigation

AOC-15, SA-B, SA-C and SA-F (Former Debris Pile Areas, East of Harbor Brook)

Eight shallow soil borings were completed in this AOC. Samples were identified as ME-SS-01 through ME-SS-08, and all samples were collected from 0 to 1 feet bgs.

Copper. Nine soil samples from eight soil borings (includes one duplicate) were analyzed for copper. Copper was detected in all of the samples collected, and elevated concentrations of copper (i.e., greater than 1,000 mg/Kg) were detected in two of the samples collected; however results at all locations were below RSR criteria.

SPLP Copper. Two soil samples from two soil borings were analyzed for SPLP copper. Copper was detected in one of the samples (ME-SS-02 0-1 feet at 6,760 ug/L), but not at a concentration that exceeded the GB PMC.

PAHs. Nine soil samples from eight soil borings (includes one duplicate) were analyzed for PAHs. The detected concentrations of several PAHs exceeded the RES and/or I/C DEC in five of the samples (including the duplicate sample). Additionally, based on SPLP analyses (discussed below), the concentration of benzo(a)anthracene (24.1 mg/Kg) also exceeded the GB PMC (1 mg/Kg) at one location (ME-SS-02 0-1 feet).

SPLP PAHs. Two soil samples from two soil borings were analyzed for SPLP PAHs. Benzo(a)anthracene (0.61 µg/L) was detected slightly above the 10 X GWPC (0.6 µg/L) in one soil sample collected (ME-SS-02 0-1 feet). Several other PAHs were detected in this sample at concentrations that were below the GWPC X 10. There were no PAHs detected in the other sample analyzed (ME-SS-06 0-1 feet); however, it is noted that the hold time for PAH extraction for SPLP analyses was exceeded at this location, therefore the results may be biased low. Regardless, mass results in this sample were much lower than the other sample analyzed, and exceedances of the GWPC X 10 would not be expected at this location.

Based on the SPLP results at these locations, samples where detected concentrations of PAHs exceeded the GB PMC by mass analyses would likely be negated, as compliance with the GWPC X 10 would be likely based on mass results, should SPLP analyses have been performed.

Lead. Nine soil samples from eight soil borings (includes one duplicate) were analyzed for lead. Lead was detected in all samples collected, and above the RES DEC (400 mg/kg) in four of the samples collected, including the duplicate. Reported concentrations above the DEC ranged from 435 mg/kg to 744 mg/kg. Concentrations reported below the DEC ranged from 39.2 mg/Kg to 252 mg/kg.

SPLP Lead. Two soil samples from two soil borings were analyzed for SPLP lead. Lead was detected in both of the samples analyzed at concentrations that did not exceed the GB PMC.

AOC-17 and AOC-24 (Contaminated Soil and Possible UST Areas, Northeast Portion of Property)

Six soil borings were completed in these AOCs. All soil borings were completed to a depth of five feet bgs; however, only shallow soil sampling (0 - 1 feet bgs) was performed in four of the soil borings completed (ME-SS-09 through ME-SS-12). These borings were completed to evaluate conditions around the former Building D (AOC 17). Shallow (0 to 1 feet bgs) and deeper sampling (2 to 4 feet bgs) was performed in the two soil borings associated with AOC 24 (former UST – ME-SB-06 and 07).

PAHs. Nine soil samples from six soil borings (includes one duplicate) were analyzed for PAHs. The detected concentrations of several PAHs exceeded the RES DEC in three of the samples collected. One PAH compound (benzo(a)pyrene at 2.25 mg/kg) also exceeded the I/C DEC (1 mg/kg) at one location (ME-SS-12 0-1 feet).

SPLP PAHs. No SPLP analyses was performed on PAH samples collected from this AOC; however, based on mass concentrations and similar geologic materials observed at other site AOCs, SPLP results would not be expected to exceed the GWPC X 10.

ETPH. Three soil samples from three soil borings were analyzed for ETPH. ETPH was detected in two of the samples collected at 110 mg/Kg (ME-SS-10 0-1 feet) and 72 mg/Kg (ME-SS-12 0-1 feet); however, the concentrations reported did not exceed any RSR criteria.

15 RSR Metals. Four soil samples from four soil borings were analyzed for the 15 RSR Metals. Various metals were detected in the samples collected at concentrations that did not exceed the DEC. Concentrations detected were relatively consistent with concentrations seen at other site areas; however, a slightly elevated concentration of arsenic (9.21 mg/Kg) and copper (1,050 mg/Kg) were detected in one sample collected (ME-SS-12 0-1 feet). These concentrations are still below RSR criteria.

SPLP Metals. Two soil samples from the four locations discussed above were analyzed for select SPLP metals, including antimony, chromium, copper, lead, selenium, thallium, and vanadium. Copper was the only compound detected above laboratory detection limits (120 ug/L in ME-SS-12 0-1 feet) at a concentration that was well below the GB PMC.

Lead. In addition to the metals analyses discussed above, lead was also sampled in five other soil samples (including a duplicate) from the two deeper soil borings completed. Lead was detected above the RES DEC of 400 mg/kg in all four samples (but not the duplicate) collected from this area. Concentrations reported ranged from 435 mg/kg to 572 mg/kg.

SPLP Lead. SPLP analyses was not performed on the samples collected and discussed above; however, based on similar mass concentrations reported at other site locations, leachable concentrations of lead exceeding RSR criteria would not be expected in this area, should SPLP analyses have been performed.

VOCs. Five soil samples from two soil borings (including a duplicate) were collected and analyzed for VOCs. Low concentrations (i.e., less than 1 mg/Kg) of trichloroethylene (TCE) and tetrachloroethylene (PCE) were detected in three of the samples collected (one of which was the duplicate); however concentrations reported did not exceed any RSR criteria.

AOC-33 (Soil and Groundwater Beneath Building A, West of Harbor Brook)

Five soil borings (ME-SB-01 through ME-SB-05) and one monitoring well (ME-MW-02) were completed inside of and beneath Building A on the western site parcel. Two soil samples were collected from each boring, including the monitoring well boring. Soil samples were collected from the shallow (0 to 5 feet bgs) interval, and the approximate water table. AECOM notes that between 1 to 8 inches of standing water and/or ice was present on the floor throughout the (approximate) southern third of the building during the investigation. Proposed boring locations had to be adjusted based on the presence of water and ice. All locations were within approximately 15 feet of the proposed locations.

Cyanide. Twelve soil samples from six soil borings were analyzed for total cyanide. Minor concentrations of cyanide (less than 2 mg/kg) were detected in two of the samples collected at concentrations that were well below RSR criteria.

RCRA 8 Metals. Nine soil samples from six soil borings were analyzed for RCRA 8 Metals. Lead was detected in one soil boring (ME-SB-05 5.5-6 feet bgs) slightly above the RES DEC (400 mg/kg) at 454 mg/kg. No other metals detected were above their respective RSR criteria, and concentrations reported were relatively consistent with concentrations seen at other site AOCs.

15 RSR Metals. Three soil samples from three soil borings were analyzed for the 15 RSR Metals. Arsenic was detected above the RES DEC and I/C DEC of 10 mg/kg in one sample collected from the monitoring well borings (ME-MW-02 4.5-5 feet bgs) at 14.4 mg/Kg. No other metals detected were above their respective RSR criteria, and concentrations reported were relatively consistent with concentrations seen at other site AOCs.

SPLP Metals. Four soil samples from three soil borings were analyzed for select SPLP metals. Although relatively minor concentrations of leachable metals were detected in all three samples, none of the concentrations reported exceeded their respective GB PMC.

VOCs. Twelve soil samples from six soil borings were collected and analyzed for VOCs. A trace concentration of TCE (0.002 mg/Kg) was detected a shallow sample collected from ME-SB-03 (1-2 feet bgs). This concentration did not exceed any RSR criteria. No other VOCs were detected in any other sample collected from this AOC.

PAHs. Twelve soil samples from six soil borings were analyzed for PAHs. Various concentrations of select PAHs detected in one soil sample (ME-SB-01 0.5-1.5 feet bgs) exceeded their respective RES and/or I/C DEC; however, based on SPLP results (discussed below), the concentrations reported did not exceed the GB PMC. Minor concentrations of select PAHs were detected in seven other samples collected. Concentrations reported were below their respective RSR criteria.

SPLP PAHs. One soil sample from one soil boring was analyzed for SPLP PAHs (also discussed above). Although leachable concentrations of various PAHs were detected in the sample analyzed, none of the concentrations reported exceeded the GWPC X 10. Therefore, compliance with the GB PMC was achieved in this area.

ETPH. Twelve soil samples from six soil borings were analyzed for ETPH. ETPH was detected in six of the samples from four borings, and the concentration at one location (620 mg/Kg in ME-SB-01 0.5-1.5 feet bgs) exceeded the RES DEC of 500 mg/kg. The concentration of ETPH detected at the deeper sample collected from this soil boring (13 mg/Kg from 8-9 feet bgs) did not exceed RSR criteria. Detected ETPH concentrations in other soil samples ranged from 31 mg/Kg to 170 mg/Kg.

5.1.2 Soil Re-use Evaluation Area

Six soil borings (ME-SB-08 through ME-SB-13) were completed to a depth of up to 15 feet bgs in the southern portion of the parcel located on the eastern side of Harbor Brook. Soil sampling was generally performed at two depth intervals in each soil boring, one from the shallow (0-4 feet bgs) and at the approximate water table. Soil samples were collected below the water table in three of the borings completed. Since conditions in this area of the site were previously unknown, all soil samples collected were analyzed for VOCs, ETPH, SVOCs, and the 15 RSR Metals. The sample collected from the shallow sample interval was also analyzed for PCBs. Leachable concentrations of SVOCs and select metals were also analyzed in select samples.

VOCs. Naphthalene was detected at one location (ME-SB-13 3-4 feet bgs) at a concentration below its respective RSR criteria (2.4 mg/kg). Additionally, the detection limits exceeded the GB PMC for several other VOCs in this soil sample, including acrylonitrile, chlorodibromomethane, cis-1,3-dichloropropene, and trans-1,3-Dichloropropene. No other VOCs were detected in any other soil samples collected.

SVOCs. Several PAH-related compounds were detected above the RES and/or I/C DEC in five samples collected from four soil borings. Exceedances were generally detected in the upper four feet, and at one location (ME-SB-05) slightly deeper (5-6 feet bgs).

Dibenzofuran and carbazole were the only non-PAH-related compounds detected in one sample collected (ME-SB-13 3-4 feet bgs). The concentration of dibenzofuran reported exceeded the GB PMC by mass analyses; however, this exceedance is negated since

the concentration reported when SPLP analyses was performed (discussed below) did not exceed the GWPC X 10.

ETPH. ETPH was detected in four soil samples collected from three soil borings. The concentration of ETPH detected at one location (ME-SB-10 1-2 feet bgs at 2,600) exceeded the RES DEC (500 mg/Kg), and the I/C DEC and GB PMC (both 2,500 mg/Kg), and at the RES DEC at another location (ME-SB-13 3-4 feet bgs at 1,800 mg/Kg). ETPH concentrations detected in the other three samples ranged from 150 mg/Kg to 270 mg/Kg.

METALS. None of the concentrations of metals reported exceeded any RSR criteria, either for mass or SPLP analyses. Mass concentrations were relatively consistent with concentrations reported at other site areas.

PCBs. Eight soil samples from six soil borings (includes two duplicates) were analyzed for PCBs. PCBs were not detected above the laboratory detection limits in any sample analyzed.

5.2 Groundwater Analytical Results

Exceedances of the RSRs for groundwater samples are shown on Figure 7. A summary of groundwater sampling results by AOC is provided below.

AOC-25: Site Groundwater and Off-Site Sources

Eleven site groundwater wells were sampled on March 12, 2009. Monitoring wells sampled included the two newly installed wells (ME-MW-01 and 02), five wells located in the northeastern corner of the eastern site parcel (MW-100 to 102, AOC-17-MW-01, and MW-11), one well located on the western central portion of the parcel on the eastern side of Harbor Brook (AOC3-MW-1), and one located adjacent to the western side of Building A (AOC-11-MW-01).

LNAPL. An oil/water interface probe (IP) was used to determine if free-product (LNAPL) was present on the groundwater surface. Fifteen wells were examined with the interface probe; LNAPL was not identified in any well. LNAPL has historically been found in MW-1, located in the northeastern corner of the site, on the south side of Building D. Although a sheen was noted on the probe when gauged with the IP, no measurable amount of LNAPL was identified at this location.

Zinc. Two groundwater samples from one monitoring well (includes one duplicate – both from MW-11) were collected and analyzed for zinc. Zinc was detected above the SWPC of 123 µg/L in both samples collected (at 360 µg/L in the primary sample, and 346 µg/L in the duplicate).

Arsenic. Two groundwater samples from one monitoring well (includes one duplicate – both from AOC-11-MW-01) were collected and analyzed for arsenic. Arsenic was not detected in either sample collected.

VOCs. Ten groundwater samples from nine monitoring wells (includes one duplicate) were collected and analyzed for VOCs. PTC, TCE, and vinyl chloride (VC) were detected above RSR criteria. PCE was detected above the SWPC of 88 µg/L in six

samples from five wells. Detected concentrations ranged from 101 µg/L (MW-11) to 252 µg/L (MW-101).

TCE was detected above the RES VC (27 µg/L) in one existing well (AOC-3-MW-01 at 36.4 µg/L) and one new well (ME-MW-01 at 59.4 µg/L), and above both the RES VC and the I/C VC (67 µg/L) in three additional wells located in the northeastern corner of the eastern site parcel (MW-100 through MW-102, and including the duplicate from MW-102).

VC was detected above VC criteria in select wells on the northeastern corner of the eastern site parcel. The RES VC (1.6 µg/L) was exceeded in one existing (AOC-17-MW-01 at 43.9 µg/L) and one new (ME-MW-01 at 7.4 µg/L) monitoring well. VC was reported above both the RES and I/C VC at one other location (MW-101 at 132 µg/L).

Various other VOCs were detected below RSR criteria.

AOC-33: Groundwater Beneath Building A

One monitoring well (ME-MW-02) was installed inside of (and beneath) Building A during the Supplemental Investigation completed at the site.

VOCs. One groundwater sample was collected from ME-MW-02 and analyzed for VOCs. No VOCs were detected above laboratory detection limits.

15 RSR Metals. Two groundwater samples were collected from ME-MW-02 and analyzed for the 15 RSR Metals. Zinc was reported above the SWPC (123 µg/L) in both samples collected (at 263 µg/L and 166 µg/L in the duplicate). Additionally, copper (57.8 µg/L) and lead (38.8 µg/L) were detected above their respective SWPC (48 µg/L and 13 µg/L, respectively) in the primary sample collected from this well; however, in the duplicate sample collected, copper was detected below the SWPC, and below laboratory detection limits for lead. Nickel was also reported below the SWPC in both samples collected.

ETPH. Two groundwater samples from ME-MW-02 were collected and analyzed for ETPH. ETPH was detected in both samples (130 µg/L and 126 µg/L in the duplicate); however, no standard for ETPH exists for the I/C VC, RES VC, or SWPC.

PAHs. Two groundwater samples from ME-MW-02 were collected and analyzed for PAHs. PAHs were not detected in either sample above laboratory detection limits.

Cyanide. Two groundwater samples from ME-MW-02 were collected and analyzed for total cyanide. Total cyanide was not detected in either sample.

6.0 Data QA/QC

6.1 QA/QC Samples

QA/QC samples were collected as part of the investigation to allow for the evaluation of the precision, accuracy, and usability of data collected during the field effort. Details regarding the QA/QC measures are located in the QAPP Addendums prepared for the Supplemental Investigation and Soil Reuse Evaluation completed for the site (AECOM, in January and February 2009, respectively). The QA/QC measures include performing laboratory analyses using the CT Department of Health Reasonable Confidence Protocols (RCPs). Both QAPPs were approved by EPA prior to initiation of sampling activities.

6.1.1 Field Quality Control Samples

Quality control samples that were collected in the field and submitted to the laboratory along with the environmental samples are discussed in this section. The types of QC samples that were collected included the following: trip blanks, equipment blanks, and field duplicates. Method blanks and matrix spike/matrix spike duplicates (MS/MSDs) were analyzed by the laboratory on approximately one per 20 batches for internal QA/QC purposes. A total of seven sample batches were submitted to the laboratory. Batch #23332, #23411, #23695, #23748, #24388 and #24711 consisted of soil samples, duplicate samples, trip blanks, and an equipment blank. Batch #23950 consisted of groundwater samples and a trip blank.

Trip Blanks

A trip blank was submitted with all batches received at the lab. The analysis of this blank provided a baseline measurement of any VOC contamination that the samples may have been exposed to during transport. Each trip blank, was comprised of a sample container filled with high performance liquid chromatography organic-free water, preserved, handled like a sample, and sent to the laboratory for analysis.

Equipment Blanks

An equipment blank was collected and submitted with batches #23411, #24388, and #24711. The analysis of these blanks serves to verify the cleanliness of the sampling equipment. An equipment blank is collected by rinsing decontaminated field equipment with deionized water, transferring the water to a sample container, and sending the sample for analysis. The equipment blanks were analyzed for the same parameters as the samples collected with that equipment.

Field Duplicates

Field duplicates were collected for select samples in sample batches #23332, #23695, #23748, #23950, #24388, and #24711. Each duplicate was two (2) samples collected independently from one (1) sampling location during a single episode (within a reasonable timeframe) of sampling using the sample collection procedures that were used to obtain the original sample. Duplicates provide information about sample variability.

Matrix Spike/Matrix Spike Duplicates

Matrix spike and matrix spike duplicates (MS/MSDs) are a QC requirement performed by the laboratory. No additional soil or groundwater volumes were provided to the laboratory for any of the batch samples.

Documentation and Review of Quality Control Activities

Field QC samples were packed and delivered along with their corresponding environmental samples, and were noted on the chain of custody.

6.1.2 Laboratory Quality Control Requirements

Laboratory control samples were analyzed as necessary by the laboratory. Details on these can be found in the QAPP and in the laboratory analytical reports in Appendix G.

6.2 Data Validation and Usability / Analytical Precision and Accuracy

Data validation consisted of evaluating the following items:

- Sample Holding Times
- Field, trip and laboratory blanks
- Field duplicate results
- Laboratory duplicate results
- Matrix spike/matrix spike duplicate results
- Laboratory control spike recoveries (metals only)
- Surrogate spike recoveries (organics only)

No data was rejected, but some detections, detection limits, and hold times were qualified. The following is a description of how data was qualified (flagged) for each QC parameter when control limits are not met for sample data:

- **Holding Times:** If the holding time was exceeded, all positive results were flagged as estimated (J) and all non-detects will be flagged as estimated (UJ).
- **Calibration:** If the continuing calibration criteria are exceeded, all positive results were flagged as estimated (J) and all nondetects were flagged as estimated (UJ) if the bias was low.
- **Blanks:** When blank contaminants were detected, an action level of 5 times the blank contaminant concentration was set for the analytes, providing the analytes were not common laboratory contaminants. If the sample analyte concentration was greater than the action level, the concentration was reported unqualified. If the sample analyte concentration was less than the action level, the concentration was reported and flagged to be the qualified detection limit (U).
- **Sample Duplicate:** If laboratory or field duplicate analyses resulted in a relative percent difference (RPD) greater than 30% (aqueous) or 50% (soil), all positive results were flagged as estimated (J) and all nondetects were reported unqualified. If one value was nondetect and the other as above the detection limit, all positive

results were flagged as estimated (J) and all nondetects were flagged as estimated (UJ).

- **Matrix Spike/Matrix Spike Duplicates:** If the final results of the matrix spike were greater than the acceptable recovery range, all positive results were flagged as estimated (J) and all nondetects were reported unqualified. If the final results of the matrix spike were less than the acceptable range, all positive results were flagged as estimated (J) and all nondetects were flagged as estimated (UJ).

6.3 Data Usability Evaluation

A summary of data qualifications is provided on Table 6 and qualification flags are shown on Tables 3A, 3B, 4 and 5. Although some analytical results were qualified due to issues such as matrix spike recovery being out of control limits, detections in method and field blanks and in field duplicates, none of the data qualifications render the data unusable.

7.0 Conceptual Site Model Update

The Conceptual Site Model (CSM) for this site was previously updated in 2007 based on the Phase II/III ESA completed at that time. The 2007 CSM included 33 AOCs and 23 SAs (see Appendix F for 2007 CSM). During this investigation, several of the previously identified AOCs were further evaluated. These AOCs were AOC-15B, AOC-17 and AOC-24, AOC-25, AOC-31 and AOC-33. The updated information for these AOCs is provided below.

7.1.1 Supplemental Investigation

- 1) *AOC-15B (SA-B, SA-C, SA-F, SA-I)* – This area includes a large portion of the site, east of Harbor Brook, near the eastern property boundary. This area was investigated with eight surficial soil samples. The objective of this sampling was to refine the amount of soil in this area that may require remediation. PAHs and lead were identified above RSR criteria in this area as follows:
 - PAHs (mass) > RES DEC, I/C DEC and GB PMC from 0-1 feet bgs in various borings within this AOC;
 - Lead (mass) > RES DEC at 0-1 feet bgs in various borings within this AOC; and
 - SPLP PAHs > GWPC x 10 at 0-1 feet bgs at one location in the northeastern corner of this AOC, south of the water tower.

- 2) *AOC-24 and AOC-17* – These AOCs are located on the northeastern portion of the on the 104 Butler Street parcel. This area was investigated with four surficial soil samples and two deeper soil borings. Similar to AOC-15, the objective of this sampling was to refine the amount of soil in this area that may require remediation. PAH and lead exceedances were noted in the soil as follows:
 - PAHs > RES DEC, I/C DEC, and/or GB PMC at 0-1 feet and 2-3 feet bgs in the two borings associated with AOC 24, and from 0-1 feet bgs in one boring associated with AOC-17, within the western central region of the former building; compliance with the GB PMC in this area may be achieved based on comparison of mass results in other site areas where compliance was met through SPLP analyses; and
 - Lead > RES DEC at 0-1 feet and 2-4 feet bgs in the borings associated with AOC-24, to the west of the former building.

- 3) *AOC-33* – This AOC consists of soil and groundwater beneath Building A on the site parcel to the west of Harbor Brook. This area was not previously investigated. Six soil borings (including one monitoring well) were completed in this AOC. Access in this area was somewhat limited during the Supplemental Investigation due to a significant quantity of standing water and ice. PAHs, lead, arsenic, and ETPH were identified in exceedance of various RSR criteria as follows:

- PAHs > RES DEC and I/C DEC, and ETPH > RES DEC in the southern portion of the building from 0.5-1.5 feet bgs;
 - Lead > RES DEC at 5.5-6 feet bgs in the northern portion of the building;
 - Arsenic > RES DEC and I/C DEC at 4.5-5 feet bgs in the southern (approximate) third of the building; and
 - Zinc, copper, and lead in groundwater exceeding the SWPC.
- 4) AOC-25 – Impacts to groundwater have been identified at various locations across the site. A VOC groundwater solvent plume is located on the eastern portion of the site parcel located to the east of Harbor Brook. This area is located in the vicinity of the eastern property boundary, and may be associated with the groundwater contamination in AOC-17 and/or AOC-24. Seven existing monitoring wells were sampled (including the newly installed ME-MW-01 near the northern property boundary) to further evaluate this AOC. Zinc and various chlorinated ethene RSR exceedances were noted in the groundwater as follows:
- Zinc and PCE > SWPC; and
 - TCE and VC > RES VC and I/C VC.

In addition to the results discussed above, VOC impacted groundwater was also identified on the western-central portion of the site parcel located east of Harbor Brook (vicinity of AOC-3). Impacts are summarized as follows:

- TCE and VC > RES VC; and
- PCE > SWPC.

No impacts were identified in the monitoring well sampled on the upgradient side of Building A (AOC-11).

7.1.2 Soil Re-use Evaluation

AOC-31 - The Soil Re-use Evaluation area is located on the southeastern portion of the site, east of Harbor Brook. The objective of this sampling was to provide data which would determine the feasibility of re-using site soils for anticipated site redevelopment. Limited PAH and ETPH RSR exceedances were identified in this area as follows:

- PAHs > RDEC and I/C DEC between 1-3 feet and 3-5 feet bgs at various locations across this area. Although marginal exceedances of the GB PMC exist in select samples, compliance with the PMC was met by SPLP analyses at several location in this area, and would therefore be likely where SPLP analyses was not performed;
- ETPH > RES DEC, I/C DEC and GB PMC from 1-2 feet bgs in the central portion of this study area;
- ETPH > RES DEC from 3-4 feet bgs in the northern-most boring completed in this study area.

8.0 Conclusions

A Supplemental Investigation and Soil Re-Use Evaluation was completed at the two abutting parcels located on 77 Cooper Street and 104 Butler Street, referred to as the Former International Silver Company (Insilco), Factory H property. The Supplemental Investigation was completed to further investigate and refine impacts previously identified at several site AOCs and CTDEP SAs, as well as to evaluate conditions in areas not previously investigated. The Soil Re-Use Evaluation was completed on the southeastern portion of the property located on the eastern side of Harbor Brook, also in an area not previously investigated.

Both investigations were performed to obtain data that aims to provide site environmental condition information and assist the City of Meriden in its efforts to evaluate re-use alternatives located at the former industrial property. The Soil Re-Use Evaluation was performed specifically to identify whether soils in an area just east of Harbor Brook could be re-used at other site areas in accordance with the Connecticut RSRs.

Supplemental Investigation - Soil

The Supplemental Investigation findings included lead and PAH impacts exceeding their respective RES and/or I/C DEC were identified in shallow soils in AOC-15A/B (former debris piles located in the eastern portion of the site). Impacts identified were similar to those previously identified in these areas (M&E Phase II/III ESA, 2007). Select PAHs also exceeded the I/C DEC in this area. Additionally, one PAH exceedance of the GB PMC/GWPC X 10 was identified in one location. The estimated extents of soil exceeding RSR criteria in these AOCs have been modified to incorporate these new findings with the previous investigation results. The estimated extents of soil exceeding the RSR criteria are presented on Figure 4, 5 and 6. In general, the areas exceeding the DEC have increased slightly and the areas exceeding PMC have decreased.

Shallow lead and PAH impacts were also identified above the RES DEC and the I/C DEC (for PAHs only) in the AOC-17 and AOC-24 area (northeast portion of the property), whereas PAHs and TCE were previously identified above RSR criteria during the 2007 Phase II/III ESA. No additional significant VOC impacts were identified in the soil sampling performed in this area during the Supplemental Investigation. The estimated extents of soil exceeding RSR criteria in these AOCs have been modified to incorporate these new findings with the previous investigation results. In general, the areas of RES and I/C DEC have been expanded and the areas of PMC exceedances have decreased.

Subsurface conditions beneath Building A were also evaluated during the Supplemental Investigation. Limited soil sampling was completed which identified the presence of lead, arsenic, PAHs, and ETPH above the RES and/or I/C DEC in the unsaturated soils beneath the building. These exceedances are located beneath the southern half of the building. Access to various interior areas was limited during field investigation activities due to flooding and excessive ice and water. The estimated extents of soil exceeding RSR criteria underneath Building A have also been incorporated into Figures 4, 5 and 6. However, due to the limited access, additional testing underneath the building is recommended.

Soil Re-use Evaluation

The Soil Re-Use evaluation conducted in the southeastern portion of the site identified various PAHs and ETPH at depths of up to six feet bgs with concentrations that exceeded the RES and/or I/C DEC. ETPH was identified throughout this area at concentrations that did not exceed RSR criteria. The estimated extents of soil exceeding RSR criteria within the Soil Re-use Evaluation area have also been incorporated into Figures 4, 5 and 6. It is likely that a portion of the soil may be re-used on-site, contingent upon complying with soil re-use conditions provided in the RSRs.

Supplemental Investigation - Groundwater

The Supplemental Investigation included the collection of additional groundwater data at select newly installed and existing monitoring well locations. The purpose of the newly installed well on the upgradient property line in the northeast portion of the site (in the vicinity of AOC-17 and AOC-25) is to evaluate whether impacted groundwater may be entering the site from an off-site location. The purpose of the groundwater testing beneath Building A is to evaluate groundwater quality in this portion of the site, as no groundwater data has previously been obtained from beneath the building. Select existing wells were also sampled during this investigation to provide updated groundwater quality data and to evaluate concentration trends.

TCE was detected above the RES VC in the new monitoring well completed on the northeastern property boundary (ME-MW-01). Other VOCs detected (PCE and cis-1,2-dichloroethylene) at this location did not exceed RSR criteria. Although this monitoring well is located near the upgradient property line, it appears the groundwater impacts identified at this location are the result of historic on-site activities, as several isolated areas of impact have been previously identified in close proximity to this well location.

A comparison of chlorinated VOC concentrations from 2006 to 2009 from wells AOC-11-MW-1, MW-100, MW-101, MW-102, AOC-17-MW-1 and AOC3-MW-3 show an overall decreasing concentration trend from 2007 to 2009. Concentrations of tetrachloroethylene (PCE) has decreased (or remained relatively unchanged in AOC-17-MW-1) in each of these wells. The concentration of vinyl chloride increased in AOC-3-MW-3 between 2007 and 2009. This may be the result of the parent compound (PCE) breaking down into vinyl chloride, which indicates natural attenuation processes are occurring at the site. This will be further evaluated as part of planned future monitoring.

Zinc, copper, and lead were detected above the SWPC in groundwater collected beneath Building A (AOC 33), an area not previously investigated. ETPH was detected in the groundwater sample collected; however, no RSR criteria has been established for ETPH. No VOCs or PAHs were detected in this area. An alternative SWPC could potentially address SWPC exceedances; however, CTDEP approval of alternative SWPC would be required.

Summary

The Supplemental Investigation and Soil Re-Use Evaluation were conducted to further refine soil areas that exceed RSR criteria and to evaluate soil re-use alternatives related to conceptual site redevelopment plans. The preliminary concept plans include coordination of environmental remediation activities with the City's flood management program. Specifically, the concept plans include construction of a flood retention basin on the eastern side of the brook and increasing the ground elevation on the western side of the brook prior to commercial and/or residential development west of Harbor Brook.

The preliminary concept plans in this area include potential re-use of soils in accordance with RSRs (if feasible) from the eastern side of Harbor Brook onto portions of the site located on the western side of Harbor Brook. The results of this investigation will be incorporated into these concept plans. Depending on the specific plans developed in the future, focused testing in targeted redevelopment areas may be necessary. The soil data obtained to date is sufficient to develop remediation/redevelopment concepts.

In addition to supporting conceptual redevelopment plans, the refined areas of impacted soil that exceed RSR criteria may be used to develop interim remedial action plans to remediate the areas identified with the greatest impact. These interim remedial actions could be conducted using the two existing EPA Cleanup Grants allocated to the Factory H site.

Further evaluation of monitored natural attenuation (MNA) will be conducted in 2009. The additional evaluation will include analysis of chlorinated VOCs from select wells in the northeast portion of the site (includes select wells sampled during this Supplemental Investigation). Groundwater trends will continue to be evaluated as part of this evaluation. The MNA evaluation will also be incorporated into site redevelopment and remediation plans.

9.0 References

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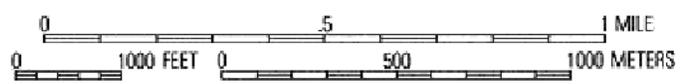
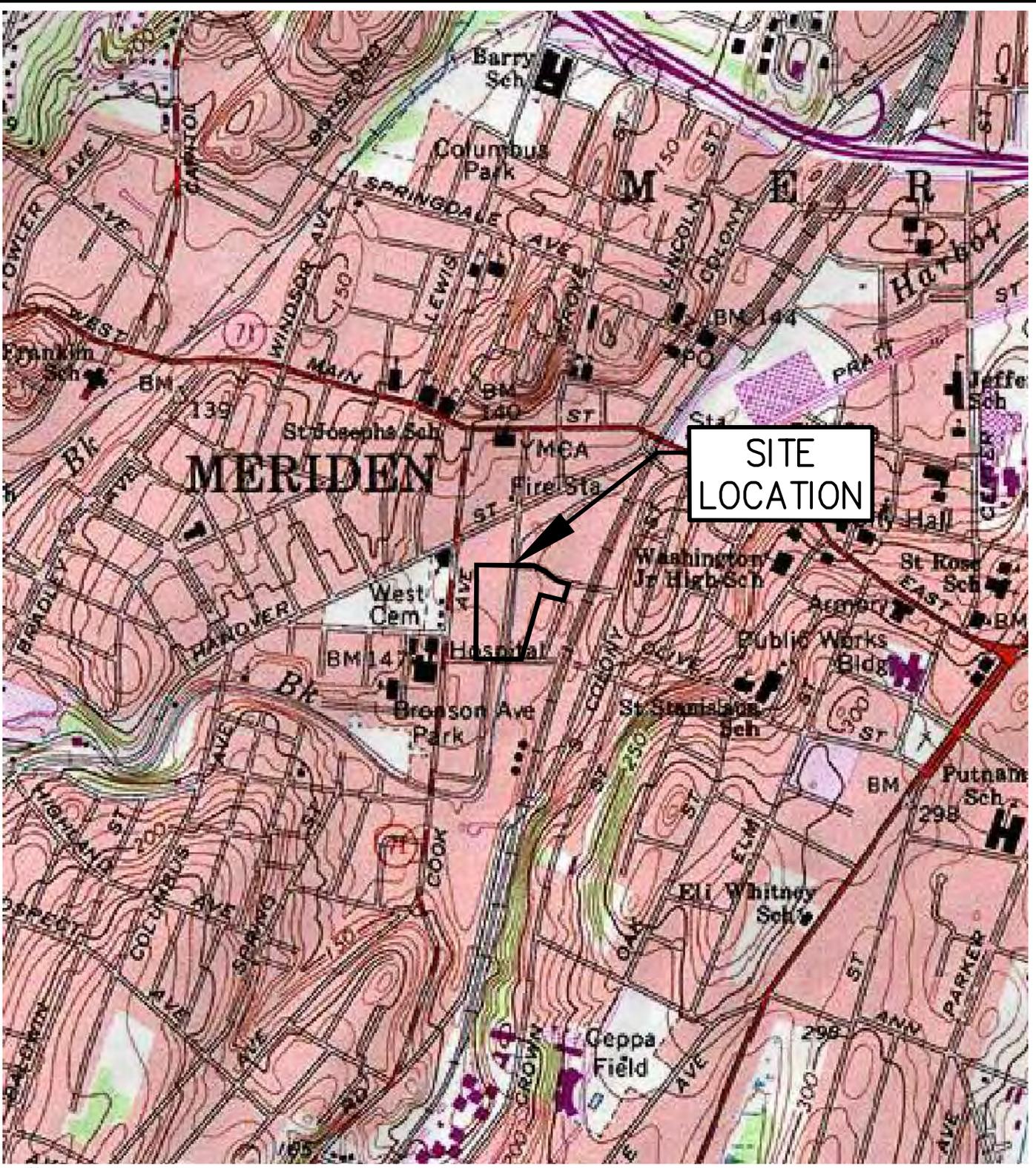
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United States Environmental Protection Agency (USEPA) (Prepared by Weston Solutions, Inc.). February 2004. Removal Program After Action Report for the Chrome Engineering Site.

Subsurface Information Surveys. Ground Penetrating Radar Survey Results For The Investigation For The Location Of: Underground Storage Tanks & Utilities At: 77 Cooper St., Meriden, CT, July 2005.

Figures



<p>AECOM Environment</p>	<p>AECOM</p>	<p>CITY OF MERIDEN, CONNECTICUT INTERNATIONAL SILVER COMPANY, FACTORY H SUPPLEMENTAL INVESTIGATION AND SOIL REUSE EVALUATION SITE LOCATION MAP</p>	
<p>SCALE: AS NOTED</p>		<p>DATE: JULY 2009</p>	<p>FIGURE 1</p>



LEGEND:

- APPROXIMATE SITE BOUNDARY
- EDGE OF BUILDING/STRUCTURE
- EDGE OF PAVEMENT
- FENCE
- ⊕ DESTROYED/NOT FOUND OVERBURDEN MONITORING WELL (PRE 2006)
- ⊕ SHALLOW OVERBURDEN MONITORING WELL (PRE 2006)
- ⊕ DEEP OVERBURDEN MONITORING WELL (PRE 2006)
- ⊕ SOIL BORING LOCATION (HRP, 1988)
- ⊕ REMAINING WALL WPE SAMPLE LOCATION (WESTON, 1999)
- ⊕ SEDIMENT AND SURFACE WATER SAMPLING LOCATION (WESTON, 1999)
- ⊕ SEDIMENT SAMPLE LOCATION (HRP, 1988)
- ⊕ SOIL SAMPLING LOCATION (AEI, 2006)
- ⊕ SOIL BORING AND/OR SOIL BORING AND SURFICIAL SOIL SAMPLE (M&E, 2006)
- ⊕ SOIL BORING/MONITORING WELL (M&E, 2006)
- ⊕ SURFICIAL SOIL SAMPLE (M&E, 2006)
- ⊕ SOIL BORING (AECOM, 2009)
- ⊕ SOIL BORING/MONITORING WELL (AECOM, 2009)
- ⊕ MONITORING WELL (AECOM, 2009)
- ⊕ SURFICIAL SOIL SAMPLE (AECOM, 2009)
- CIDEP REMOVAL/STABILIZATION AREAS
- AREA OF CONCERN

MAP REFERENCES/NOTES:

1. THE AERIAL PHOTOGRAPH WAS OBTAINED FROM THE CITY OF MERIDEN'S GIS DEPARTMENT. THE AERIAL PHOTOGRAPH WAS PRODUCED IN 2005.
2. AREAS OF CONCERN WERE GENERALLY OBTAINED FROM WESTON REPORT (WESTON, SEPT. 1999) AND CIDEP FACTORY H REMOVAL/STABILIZATION AREAS SKETCH (AEI, JAN. 2006).
3. 2009 LOCATIONS SURVEYED BY NAFS & YOUNG ENGINEERS, APRIL 2009 (WITH THE EXCEPTION OF ME-SB-02)
4. M&E (2006) LOCATIONS WERE SURVEYED UNLESS NOTED IN NOTE 5.
5. SAMPLE LOCATIONS AOC-5-RB1, AOC-5-RB2, AOC-SA-M-SS-01, AND ME-SB-02 ARE ESTIMATED.
6. DATA FOR THREE SHALLOW SOIL SAMPLES FROM GZA(2000) IS NOT INCORPORATED INTO THIS FIGURE. THOSE SAMPLES WERE REPORTEDLY COLLECTED IN THE VICINITY OF THE DUST COLLECTORS AND A FORMER TRANSPORTER PAD. THAT SOIL WAS REMOVED DURING THE CIDEP STABILIZATION ACTIONS IN 2005.



CITY OF MERIDEN, CONNECTICUT
 INTERNATIONAL SILVER COMPANY, FACTORY H
FIGURE 3
 INVESTIGATION LOCATION
 SUPPLEMENTAL INVESTIGATION AND SOIL REUSE EVALUATION
 SCALE: AS NOTED DATE: JULY 2009



VETERANS
MEMORIAL
MEDICAL
CENTER

W-1

MW-7 WELL
DESTROYED

AREA OF
FORMER
BUILDING D

MW-6 WELL
NOT FOUND

W-1



LEGEND:

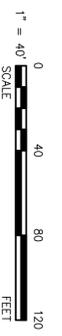
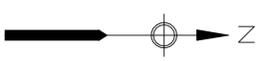
- APPROXIMATE SITE BOUNDARY
- EDGE OF BUILDING/STRUCTURE
- EDGE OF PAVEMENT
- FENCE
- DESTROYED/NOT FOUND OVERBURDEN MONITORING WELL (PRE 2006)
- SHALLOW OVERBURDEN MONITORING WELL (PRE 2006)
- DEEP OVERBURDEN MONITORING WELL (PRE 2006)
- SOIL BORING LOCATION (HBP, 1988)
- RETAINING WALL WPE SAMPLE LOCATION (WESTON, 1999)
- SEDIMENT AND SURFACE WATER SAMPLING LOCATION (WESTON, 1999)
- SEDIMENT SAMPLE LOCATION (HBP, 1988)
- SOIL SAMPLING LOCATION (AEL, 2006)
- SOIL BORING AND/OR SOIL BORING AND SURFICIAL SOIL SAMPLE (M&E, 2006)
- SOIL BORING/MONITORING WELL (M&E, 2006)
- SURFICIAL SOIL SAMPLE (M&E, 2006)
- STREAM GAGE ELEVATIONS
- CIDEP REMOVAL/STABILIZATION AREAS
- AREA OF CONCERN

MAP REFERENCES/NOTES:

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3. NAHS & YOUNG SURVEY (2006)
4. M&E (2006) LOCATIONS WERE SURVEYED UNLESS NOTED IN NOTE 5.
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CITY OF MERIDEN, CONNECTICUT
 INTERNATIONAL SILVER COMPANY, FACTORY H
FIGURE 2 – AOCs AND CIDEP
 STABILIZATION AREAS
 SUPPLEMENTAL INVESTIGATION AND SOIL REUSE EVALUATION
 SCALE: AS NOTED DATE: JULY 2009



LEGEND:

- — — — — APPROXIMATE SITE BOUNDARY
- ▬▬▬▬▬▬▬ EDGE OF BUILDING/STRUCTURE
- ▬▬▬▬▬▬▬ EDGE OF PAVEMENT
- — — — — FENCE
- ⊕ ME-SB-01 DESTROYED/NOT FOUND OVERBURDEN MONITORING WELL (PRE 2006)
- ⊕ ME-SB-02 SHALLOW OVERBURDEN MONITORING WELL (PRE 2006)
- ⊕ ME-SB-03 DEEP OVERBURDEN MONITORING WELL (PRE 2006)
- ⊕ ME-SB-04 SOIL BORING LOCATION (HRP, 1988)
- ⊕ ME-SB-05 RETAINING WALL WPE SAMPLE LOCATION (WESTON, 1999)
- ⊕ ME-SB-06 SEDIMENT AND SURFACE WATER SAMPLING LOCATION (WESTON, 1999)
- ⊕ ME-SB-07 SEDIMENT SAMPLE LOCATION (HRP, 1988)
- ⊕ ME-SB-08 SOIL SAMPLING LOCATION (AEI, 2006)
- ⊕ ME-SB-09 SOIL BORING AND/OR SOIL BORING AND SURFICIAL SOIL SAMPLE (M&E, 2006)
- ⊕ ME-SB-10 SOIL BORING/MONITORING WELL (M&E, 2006)
- ⊕ ME-SB-11 SURFICIAL SOIL SAMPLE (M&E, 2006)
- ⊕ ME-SB-12 SOIL BORING (AECOM, 2009)
- ⊕ ME-MW-01 SOIL BORING/MONITORING WELL (AECOM, 2009)
- ⊕ ME-MW-02 MONITORING WELL (AECOM, 2009)
- ⊕ ME-SS-01 SURFICIAL SOIL SAMPLE (AECOM, 2009)
- SA-B CDEP REMOVAL/STABILIZATION AREAS
- AOC-# AREA OF CONCERN

MAP REFERENCES/NOTES:

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6. DATA FOR THREE SHALLOW SOIL SAMPLES FROM GZA(2000) IS NOT INCORPORATED INTO THIS FIGURE. THOSE SAMPLES WERE REPORTEDLY COLLECTED IN THE VICINITY OF THE DUST COLLECTORS AND A FORMER TRANSPORTER PAD. THAT SOIL WAS REMOVED DURING THE CDEP STABILIZATION ACTIONS IN 2005.



CITY OF MERIDEN, CONNECTICUT
 INTERNATIONAL SILVER COMPANY, FACTORY H
FIGURE 3
 INVESTIGATION LOCATION
 SUPPLEMENTAL INVESTIGATION AND SOIL REUSE EVALUATION
 SCALE: AS NOTED DATE: JULY 2009

VETERANS
MEMORIAL
MEDICAL
CENTER



EXCEEDANCE LEGEND:

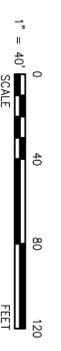
- EXCEEDANCE OF RESIDENTIAL DIRECT EXPOSURE CRITERIA (R DEC)
- EXCEEDANCE OF INDUSTRIAL/COMMERCIAL DIRECT EXPOSURE CRITERIA (I/C DEC)
- EXCEEDANCE OF GB POLLUTANT MOBILITY CRITERIA (GB PMC)

LEGEND:

- ESTIMATED LIMIT OF SOIL EXCEEDING I/C DEC
- ESTIMATED LIMIT OF SOIL EXCEEDING R DEC
- ESTIMATED LIMIT OF SOIL EXCEEDING GB PMC
- APPROXIMATE SITE BOUNDARY
- EDGE OF BUILDING/STRUCTURE
- EDGE OF PAVEMENT
- FENCE
- ☒ DESTROYED/NOT FOUND OVERBURDEN MONITORING WELL (PRE 2006)
- ☒ SHALLOW OVERBURDEN MONITORING WELL (PRE 2006)
- ☒ DEEP OVERBURDEN MONITORING WELL (PRE 2006)
- ☒ SOIL BORING LOCATION (HRP, 1988)
- ☒ RETAINING WALL W/FE SAMPLE LOCATION (WESTON, 1999)
- ☒ SEDIMENT AND SURFACE WATER SAMPLING LOCATION (WESTON, 1999)
- ☒ SEDIMENT SAMPLE LOCATION (HRP, 1988)
- ☒ SOIL SAMPLING LOCATION (AEL, 2006)
- ☒ AOC # SS-# SOIL BORING AND/OR SOIL BORING AND SURFICIAL SOIL SAMPLE (M&E, 2006)
- ☒ AOC # SB/MW SOIL BORING/MONITORING WELL (M&E, 2006)
- ☒ ME-SB-# SOIL BORING (AECOM, 2009)
- ☒ ME-MW-# SOIL BORING/MONITORING WELL (AECOM, 2009)
- ☒ ME-MW-# MONITORING WELL (AECOM, 2009)
- ☒ ME-SS-# SURFICIAL SOIL SAMPLE (AECOM, 2009)
- ☒ SA-B CDEP REMOVAL/STABILIZATION AREAS
- ☒ AOC-# AREA OF CONCERN

MAP REFERENCES/NOTES:

1. AREAS OF CONCERN WERE GENERALLY OBTAINED FROM WESTON REPORT (WESTON, SEPT. 1999) AND CDEP FACTORY H REMOVAL/STABILIZATION AREAS SKETCH (AEL, JAN. 2006).
2. 2009 BORING LOCATIONS SURVEYED BY NAFS & YOUNG ENGINEERS, APRIL 2009 (WITH THE EXCEPTION OF ME-SB-02)
3. M&E (2006) AND AECOM (2009) LOCATIONS WERE SURVEYED UNLESS NOTED IN NOTE 4.
4. SAMPLE LOCATIONS AOC-5-RB1, AOC-5-RB2, AOC-5A-M-SS-01, ANE ME-SB-02 ARE ESTIMATED.
5. DATA FOR THREE SHALLOW SOIL SAMPLES FROM GZA(2000) IS NOT INCORPORATED INTO THIS FIGURE. THOSE SAMPLES WERE REPORTEDLY COLLECTED IN THE VICINITY OF THE DUST COLLECTORS AND A FORMER TRANSFORMER PAD. THAT SOIL WAS REMOVED DURING THE CDEP STABILIZATION ACTIONS IN 2005.
6. ESTIMATED LIMITS OF EXCEEDANCES INCORPORATE FINDINGS FROM M&E'S PHASE I/III ENVIRONMENTAL SITE ASSESSMENT (2007).



AECOM

CITY OF MERRIDEN, CONNECTICUT
INTERNATIONAL SILVER COMPANY, FACTORY H
**FIGURE 4 – SOIL SAMPLES (0-2' BGS)
EXCEEDING RSR CRITERIA
SUPPLEMENTAL INVESTIGATION AND SOIL REUSE EVALUATION**
SCALE: AS NOTED DATE: JULY 2009



EXCEEDANCE LEGEND:

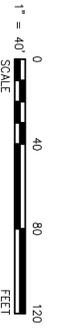
- EXCEEDANCE OF RESIDENTIAL DIRECT EXPOSURE CRITERIA (R DEC)
- EXCEEDANCE OF INDUSTRIAL/COMMERCIAL DIRECT EXPOSURE CRITERIA (I/C DEC)
- EXCEEDANCE OF GB POLLUTANT MOBILITY CRITERIA (GB P/MC)
- ESTIMATED LIMIT OF SOIL EXCEEDING I/C DEC
- ESTIMATED LIMIT OF SOIL EXCEEDING R DEC
- ESTIMATED LIMIT OF SOIL EXCEEDING GB P/MC

LEGEND:

- APPROXIMATE SITE BOUNDARY
- EDGE OF BUILDING/STRUCTURE
- EDGE OF PAVEMENT
- FENCE
- DESTROYED/NOT FOUND OVERBURDEN MONITORING WELL (PRE 2006)
- SHALLOW OVERBURDEN MONITORING WELL (PRE 2006)
- DEEP OVERBURDEN MONITORING WELL (PRE 2006)
- SOIL BORING LOCATION (HRP, 1988)
- RETAINING WALL W/FE SAMPLE LOCATION (WESTON, 1999)
- SEDIMENT AND SURFACE WATER SAMPLING LOCATION (WESTON, 1999)
- SEDIMENT SAMPLE LOCATION (HRP, 1988)
- SOIL SAMPLING LOCATION (AEL, 2006)
- SOIL BORING AND/OR SOIL BORING AND SURFICIAL SOIL SAMPLE (M&E, 2006)
- SOIL BORING/MONITORING WELL (M&E, 2006)
- SURFICIAL SOIL SAMPLE (M&E, 2006)
- CDEP REMOVAL/STABILIZATION AREAS
- AREA OF CONCERN

MAP REFERENCES/NOTES:

1. AREAS OF CONCERN WERE GENERALLY OBTAINED FROM WESTON REPORT (WESTON, SEPT. 1999) AND CDEP FACTORY H REMOVAL/STABILIZATION AREAS SKETCH (AEL, JAN. 2006).
2. 2009 BORING LOCATIONS SURVEYED BY NAFS & YOUNG ENGINEERS, APRIL 2009 (WITH THE EXCEPTION OF ME-SB-02)
3. M&E (2006) AND AECOM (2009) LOCATIONS WERE SURVEYED UNLESS NOTED IN NOTE ARE ESTIMATED.
4. SAMPLE LOCATIONS AOC-5-RB1, AOC-5-RB2, AOC-5A-M-SS-01, AOC-5B-ME-SB-02 ARE ESTIMATED.
5. DATA FOR THREE SHALLOW SOIL SAMPLES FROM GZA(2000) IS NOT INCORPORATED INTO THIS FIGURE. THOSE SAMPLES WERE REPORTEDLY COLLECTED IN THE VICINITY OF THE DUST COLLECTORS AND A FORMER TRANSFORMER PAD. THAT SOIL WAS REMOVED DURING THE CDEP STABILIZATION ACTIONS IN 2005.
6. ESTIMATED LIMITS OF EXCEEDANCES INCORPORATE FINDINGS FROM M&E'S PHASE I/III ENVIRONMENTAL SITE ASSESSMENT (2007).



**CITY OF MIDDLETOWN, CONNECTICUT
INTERNATIONAL SILVER COMPANY, FACTORY H
FIGURE 6 – SOIL SAMPLES (>4' BGS)
EXCEEDING RSR CRITERIA
SUPPLEMENTAL INVESTIGATION AND SOIL REUSE EVALUATION**

SCALE: AS NOTED DATE: JULY 2009

CT RSR EXCEEDANCE TABLE			
WELL ID	R VC	1/C VC	SWPC
MW-1 (AOC-17)	VNVL CHLORIDE	--	--
MW-11 (AOC-17)	--	--	TETRACHLOROETHYLENE, ZINC
AOC-3-MW-1	VNVL CHLORIDE, TRICHLOROETHYLENE	--	TETRACHLOROETHYLENE
MW-100 (AOC-25)	TRICHLOROETHYLENE, VNVL CHLORIDE	--	TETRACHLOROETHYLENE
MW-101 (AOC-25)	TRICHLOROETHYLENE, VNVL CHLORIDE	--	TETRACHLOROETHYLENE
MW-102 (AOC-25)	TRICHLOROETHYLENE	--	TETRACHLOROETHYLENE
ME-MW-01	TRICHLOROETHYLENE	--	--
ME-MW-02	--	--	COOPER, LEAD, ZINC

EXCEEDANCE LEGEND:

- EXCEEDS PROPOSED MARCH, 2003 RESIDENTIAL VOLATILIZATION CRITERIA (R VC)
- EXCEEDS PROPOSED MARCH, 2003 INDUSTRIAL/COMMERCIAL VOLATILIZATION CRITERIA (I/C VC)
- EXCEEDS SURFACE WATER PROTECTION CRITERIA (SWPC)
- X CHLORINATED VOCS DETECTED

LEGEND:

- SITE BOUNDARY
- FENCE
- DESTROYED/NOT FOUND OVERBURDEN MONITORING WELL (PRE 2006)
- SHALLOW OVERBURDEN MONITORING WELL (PRE 2006)
- DEEP OVERBURDEN MONITORING WELL (PRE 2006)
- SOIL BORING LOCATION (HRP, 1988)
- RETAINING WALL WIRE SAMPLE LOCATION (WESTON, 1999)
- SEDIMENT AND SURFACE WATER SAMPLING LOCATION (WESTON, 1999)
- SOIL SAMPLING LOCATION (AEL, 2006)
- AOC-#-SB-#
- SOIL BORING AND/OR SOIL BORING AND SURFICIAL SOIL SAMPLE (M&E, 2006)
- SOIL BORING/MONITORING WELL (M&E, 2006)
- SURFICIAL SOIL SAMPLE (M&E, 2006)
- AOC-#-SA-#-SS-#
- SOIL BORING (AECOM, 2009)
- ME-SB-07
- SOIL BORING/MONITORING WELL (AECOM, 2009)
- ME-MW-02
- MONITORING WELL (AECOM, 2009)
- ME-MW-01
- SURFICIAL SOIL SAMPLE (AECOM, 2009)
- ME-SS-12
- ESTIMATED GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INTERFERED)
- 133.95
- GROUNDWATER SPOT ELEVATION
- 133.95
- SCREENED INTERVAL OF GROUNDWATER MONITORING WELL (DEPTH BELOW GROUND SURFACE IN FEET)
- (1-14)
- (1) (10)
- DEFINED AS "SHALLOW" OR "DEEP" SCREENED WELL (WESTON, 1999)
- CTDP GROUNDWATER MONITORING WELL
- AND SOIL GAS SAMPLING LOCATION MARCH 2007
- CTDP GROUNDWATER MONITORING WELL LOCATION MARCH 2007

MAP REFERENCES/NOTES:

1. THE AERIAL PHOTOGRAPH WAS OBTAINED FROM THE CITY OF MERIDEN'S GIS DEPARTMENT. THE AERIAL PHOTOGRAPH WAS PRODUCED IN 2005.
2. AREAS OF CONCERN WERE GENERALLY OBTAINED FROM WESTON REPORT (WESTON, SEPT. 1999) AND CTDP FACTORY H REMOVAL/STABILIZATION AREAS SKETCH (AEL, JAN. 2006).
3. 2009 BORING LOCATIONS WERE SURVEYED BY HARTS & YOUNG ENGINEERS, APRIL 2009 (WITH THE EXCEPTION OF ME-SB-02).
4. M&E (2006) AND AECOM (2009) LOCATIONS WERE SURVEYED UNLESS NOTED IN NOTE 5.
5. SAMPLE LOCATIONS AOC-5-RB1, AND AOC-5-RB1, AOC-SA-M-SS-01, AND ME-SB-02 ARE ESTIMATED.
6. MONITORING WELL MW-12 WAS NOT USED TO ESTIMATE GROUNDWATER ELEVATION CONTOURS.
7. THE LNAPL THICKNESS IN MW-1 WAS APPROXIMATELY SEVERAL INCHES DURING THE 2007 SAMPLING.
8. ESTIMATED EXTENTS OF VOC PLUME IN SHALLOW GROUNDWATER BASED ON DETECTIONS OF CHLORINATED VOCS DURING 2006 SAMPLING EVENT.

- AOC-# CTDP REMOVAL/STABILIZATION AREAS
- AOC-# AREA OF CONCERN



Tables

TABLE 1
Summary of Areas of Concern
International Silver Company, Factory H
Meriden, Connecticut
AECOM Environment
July 2009

No.	Area of Concern	Location	Description	Available Data	Completed Remedial Actions
1	2 - 20,000-gallon USTs	East side of Building C	Reported to be steel construction and have contained diesel fuel. Unknown installation date.	Upgradient soil boring & soil gas survey (Weston, 1998) and GPR Survey (AEI, 2005); Phase II/III (M&E, 2006)	Contents of tanks pumped out (GZA, 2000)
2	1 - 1,000-gallon UST	Southeast side of Building A	Reported to be steel construction and have contained kerosene. Unknown installation date.	Phase II/III (M&E, 2006) GPR Survey (AEI, 2005) and limited soil sampling data (CTDEP, Sept. 2005); Phase II/III (M&E, 2006)	Contents of tank pumped out (GZA, 2000) and empty concrete vault found
3	1 - 10,000-gallon UST	Along Harbor Brook north of Building B	Reported to be steel construction and have contained metal finishing rinse and wastewater. Installed in 1970.	Soil sampling of sidewalls and bottom of tank excavation (CTDEP, Sept. 2005)	Tank removed in 2005
4	1 - UST of unknown size	South side of Building C	Contained gasoline; unknown construction and installation date.	GPR Survey (AEI, 2005); Phase II/III (M&E, 2006)	Tank removed in 2005
5	2 - USTs of unknown size	Curbed areas along southeast side of Building A	Unknown construction, use, and installation date.	Field observations GPR Survey (AEI, 2005) No tanks appeared to be present No soil or groundwater data is available	1 1,000 gal UST cleaned and 1 UST grave found
6	5 - USTs of unknown size	Fill pipes along northeast side of Building A	Unknown construction, use, and installation date.	Observations	None reported
7	2 - 200-gallon ASTs	Ground floor of Building C	Reported to be steel construction. Unknown use and installation date.	Observations	Reported to have been pumped out / removed (email dated 1-30-06)
8	1 - 1,500-gallon AST	Ground floor of Building C	Reported to be concrete construction. Unknown use and installation date.	Observations	Reported to have been pumped out / removed (email dated 1-30-06)
9	2 - 300-gallon ASTs	North and west side of ground floor of Building A	Reported to be concrete construction. Unknown use and installation date.	Tanks are suspected to contain water (GZA, 2000).	None reported
10	1 - 150,000-gallon AST (Water tower)	South of Building C	Reported to be steel construction. Unknown installation date.	Phase II/III (M&E, 2006)	None reported

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Meriden, Connecticut
AECOM Environment
July 2009

No.	Area of Concern	Location	Description	Available Data	Completed Remedial Actions
11	11 - 55-gallon drums	Throughout southwestern portion of property	HRP observed four empty drums, and seven partially-filled drums containing unidentified wastes.	Sampling of drum contents (Weston, 1998); Phase II/III (M&E, 2006)	Drums were removed
12	Discharge pipes (to Harbor Brook)	East of Building A along Harbor Brook	Pipes formerly discharged wastewater from Building A to Harbor Brook.	Limited sediment and surface water sampling (Weston, 1998) is available.	None reported
13	Dry well	Southeast of Building B	Unknown materials may have been disposed of via the dry well.	Soil and groundwater sampling conducted at MW-14 (Weston, 1998); Phase II/III (M&E, 2006)	None reported
14	Dust piles	East of Building A under dust collectors	Piles of dust generated from facility's former silver polishing dust collection system.	Sampling of dust pile contents	Dust collectors cleaned and dust piles removed in 2005. Top 2 ft of soil beneath dust collectors removed in 2005. Excavations were backfilled with stone.
15	Debris piles	East of Harbor Brook and southwest corner of property	Several piles of earthen material, scrap, and debris.	Phase II/III (M&E, 2006); Supplemental Environmental Investigation (AECOM, 2009)	Debris piles removed in 2005.
16	Debris pile- glass slides	Southwest side of Building A	Pile of medical glass slides near the building dock of Building A.	None	None reported
17	Contaminated soil	Northeast corner of property in vicinity of former Building D	Approximately 5,600 ft ² of chlorinated solvent contaminated soil (to a depth of at least 15 ft below ground surface).	Soil and groundwater sampling and soil gas survey (Weston, 1998); Phase II/III (M&E, 2006)	None reported
18	Contaminated soil	Area adjacent to Building C	15 ft ² of fuel oil stained soil.	None	Oil stained soil removed in 2005

TABLE 1
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AECOM Environment
July 2009

No.	Area of Concern	Location	Description	Available Data	Completed Remedial Actions
19	Contaminated soil	Under dust piles east of Building A.	1,600 ft ² of green stained soils contaminated with metals from overlying dust piles.	Soil sampling data (Weston, 1998; GZA, 2000; and CTDEP (2005); Phase II/III (M&E, 2006)	Top 2 ft of soil beneath and in vicinity of dust collectors removed in 2005.
20	Contaminated wood floor	South end of Building A	30 ft ² of oil stained wooden floor.	None	None reported
21	Stained concrete	North end of Building A	40 ft ² of stained concrete floor.	None	None reported
22	Asbestos debris pile	Adjacent to smoke stack south of Building C	10 ft ² of deteriorated insulation material, possibly asbestos-containing material.	None	Debris pile removed.
23	Stained soil	East of Building A	10 ft ² of paint stains.	Soil sampling data (Weston, 1998; GZA, 2000; and CTDEP (2005)	Top 2 ft of soil beneath and in vicinity of dust collectors removed in 2005.
24	Possible UST	West side of former Building D	Possible UST identified by ICF Kaiser Engineers	Soil gas survey and groundwater sampling data at MW-7, a nearby well (Weston, 1998); Phase II/III (M&E, 2006); Supplemental Environmental Investigation (AECOM, 2009)	None reported
25	Contaminated groundwater (various areas)	Various portions of property	Groundwater contaminated with chlorinated solvents have been documented in various portions of site.	Groundwater sampling data (Weston, 1998; Milone & MacBroom; GZA, 2000); Phase II/III (M&E, 2006); Supplemental Environmental Investigation (AECOM, 2009)	None reported
26	Contaminated surface water and sediments	Harbor Brook	Process wastewater is known to have been discharged to Harbor Brook	Limited sediment and surface water sampling (Weston, 1998) is available.	None reported
27	Asbestos containing materials	Throughout building interiors	Asbestos-containing pipe insulation, floor tiles and roof shingles have been identified in on-site buildings	N/A	N/A
28	Lead paint	Throughout building interiors	Peeling paint noted in on-site buildings.	N/A	N/A
29	Fluorescent light ballasts	Throughout building interiors	Fluorescent light ballasts may contain hazardous metals and PCBs.	N/A	N/A

TABLE 1
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Meriden, Connecticut
AECOM Environment
July 2009

No.	Area of Concern	Location	Description	Available Data	Completed Remedial Actions	
30	Louie's Auto shop (55 Cooper St.)	Down-gradient of Louie's Auto.	Louie's Auto shop may be an upgradient source of groundwater contamination.	Phase II/III (M&E, 2006)	None reported	
31	Site-wide surficial soils	Throughout site.	Site-wide soil may need to be managed as part of site redevelopment activities.	Limited surficial soil data is available.	In vicinity of dust collectors	
32	Building B-transformer/electrical house	In building interior.	Electrical transformers located in building may contain PCBs.	None	None reported	
33	Stockpiles created in 2005 (AOCs-38 & 40)	In vicinity of MW-9	Stockpiled soil was staged on plastic sheeting.	Supplemental Environmental Investigation (AECOM, 2009)	None reported	The soils beneath the stockpiles have not been characterized.
SA-A	Stabilization Area A Smokestack Removed	No further action proposed for this AOC				
SA-B	Stabilization Area B Contaminated Soil Piles Removed (AOC-15)	Between former smokestack and 10,000 gal. UST	Location of former contaminated soil piles, which were comprised of street sweepings, pavement, concrete, stumps, etc.	Supplemental Environmental Investigation (AECOM, 2009)	Piles removed	
SA-C	Stabilization Area C Asphalt Piles Removed	East of Stabilization Area B	Location of former asphalt piles	Phase II/III (M&E, 2006); Supplemental Environmental Investigation (AECOM, 2009)	Piles removed	
SA-D	Stabilization Area D Asbestos-Impacted Soil Removed	Underneath former elevated heat transfer line	Asbestos-impacted soils	Limited soil sampling data is available	Visually impacted soil removed	
SA-E	Stabilization Area E Metal-Impacted Soil Removed	Underneath former elevated heat transfer line and west of former smokestack	Metal dust-impacted soil	Phase II/III (M&E, 2006)	Visually impacted soil removed	
SA-F	Stabilization Area F Impacted Soil Stockpile Staging Area #1	Located along eastern site boundary	Staging area during 2005 stabilization activities. Materials were staged on plastic sheeting.	Supplemental Environmental Investigation (AECOM, 2009)	Stockpile removed in 2005.	
SA-G	Stabilization Area G 10,000-gal. Waste Water UST Removed (AOC-3)	See AOC-3				

TABLE 1
Summary of Areas of Concern
International Silver Company, Factory H
Meriden, Connecticut
AECOM Environment
July 2009

No.	Area of Concern	Location	Description	Available Data	Completed Remedial Actions
SA-H	Stabilization Area H Metal-Impacted Soil Removed	Adjacent to and north of 10,000-gal. waste water UST	Metal dust-impacted soil	Phase II/III (M&E, 2006)	Visually impacted soil removed
SA-I	Stabilization Area I Impacted Soil Stockpile Staging Area #2 (Part of AOC-15)	Located along eastern site boundary	Staging area during 2005 stabilization activities. Materials were staged on plastic sheeting. However, AOC-15 was also located in this area.	Supplemental Environmental Investigation (AECOM, 2009)	Stockpile removed in 2005.
SA-J	Stabilization Area J 275 Gal. Gasoline UST Removed (AOC-4)			See AOC-4	
SA-K	Stabilization Area K Oil- Stained Soil Removed (AOC-18)			See AOC-18	
SA-L	Stabilization Area L 2x20,000-gal. #6 Oil Tanks Cleaned (AOC-1)			See AOC-1	
SA-M	Stabilization Area M Impacted-Soil and Fire Debris Pile Removed (AOC-15)	In location of former Building D	Pile of impacted soil and fire debris	Phase II/III (M&E, 2006)	Visually impacted soil and debris pile removed
SA-N	Stabilization Area N Building "C" Asbestos and Lead Abatement Work	At Building C	Removal of lead- and asbestos-containing materials	Phase II/III (M&E, 2006)	Lead and asbestos abated in building
SA-O	Stabilization Area O Impacted-Soil and Debris Pile Removed	Just southeast of footbridge	Pile of impacted soil and debris	Phase II/III (M&E, 2006)	Visually impacted soil and debris pile removed
SA-P	Stabilization Area P Asbestos Roof Removed from UST Bunker	At UST bunker located adjacent to Building C	Removal of asbestos-containing materials	Phase II/III (M&E, 2006)	Asbestos abated
SA-Q	Stabilization Area Q Building "B" Asbestos and Lead Abatement Work	At Building B	Removal of lead- and asbestos-containing materials	No visual impacts were observed.	Surficial soil removed on western side of building
SA-R	Stabilization Area R Metals-Impacted Soils Removed and Stone Cover Installed (AOC- 14, 19)			See AOCs-14 and -19	

TABLE 1
Summary of Areas of Concern
International Silver Company, Factory H
Meriden, Connecticut
AECOM Environment
July 2009

No.	Area of Concern	Location	Description	Available Data	Completed Remedial Actions
SA-S	Stabilization Area S Sump Cleaned of Metal- Impacted Sludge	Adjacent to Building A near Building B	Depression in soil that contained metal- impacted sludge	Soil sampling data is available.	Metal-impacted sludge removed
SA-T	Stabilization Area T Building "A" 2nd & 3rd Floor Asbestos Abatement Work - Address other Portions of Building	At Building A	Removal of asbestos-containing materials	Phase II/III (M&E, 2006)	Asbestos abated in building
SA-U	Stabilization Area U 1,000-gal. Heating Oil UST Cleaned (AOC-2)			See AOC-2	
SA-V	Stabilization Area V UST Grave Found (No UST) (AOC-5)			See AOC-5	
SA-W	Stabilization Area W Empty Concrete Vault Found (AOC-5)			See AOC-5	

Notes:

SA = CTDEP stabilization area AOC = Area of Concern
UST = underground storage tank.
AST = aboveground storage tank.
ft² = square feet.
PCBs = polychlorinated biphenyls.
N/A = not applicable.

This summary of information is based on the compilation of reports listed in Section 2.5

**TABLE 2 - Summary of Analytical and QA/QC Samples for Soil and Groundwater Sampling
International Silver Company, Factory H
Meriden, Connecticut
AECOM Environment
July 2009**

	Surficial Soil Samples			Soil Borings			Groundwater		TOTAL		QA/QC SAMPLES			
	NUMBER OF LOCATIONS (*)	NUMBER OF TOTALS SAMPLES (1)	NUMBER OF SPLP SAMPLES (1)	NUMBER OF LOCATIONS (*)	NUMBER OF TOTALS SAMPLES (1)	NUMBER OF SPLP SAMPLES (1)	NUMBER OF LOCATIONS (*)	NUMBER OF SAMPLES (1)	NUMBER OF LOCATIONS (*)	NUMBER OF SAMPLES (1)	TRIP BLANKS (2)	EQUIPMENT BLANKS (3)	FIELD DUPLICATES (4)	TOTAL
Soil Direct Exposure Evaluation														
Volatile Organics (EPA 5035A/8260b)	0	0	0	8	16	0	---	---	8	16	2	0	1	19
Polynuclear Aromatic Hydrocarbons (EPA 8270c) (SPLP 1312)	12	12	0	8	16	0	---	---	20	28	0	0	2	30
Extractable Total Petroleum Hydrocarbons (CTETPH)	4	4	0	6	12	0	---	---	10	16	0	0	0	16
CTRSR 15 Metals (EPA 6000/7000) (SPLP 1312)	4	4	0	3	3	0	---	---	7	7	0	0	0	7
RCRA 8 Metals	0	0	0	6	9	0	---	---	6	9	0	0	0	9
Cyanide	0	0	0	6	12	0	---	---	6	12	0	0	0	12
Lead	8	8	0	2	4	0	---	---	10	12	0	0	2	14
Copper	8	8	0	0	0	0	---	---	8	8	0	0	1	9
Groundwater Evaluation														
Volatile Organics (EPA 5035A/8260b)	---	---	---	---	---	---	9	9	9	9	1	0	1	11
Polynuclear Aromatic Hydrocarbons (EPA 8270c) (SPLP 1312)	---	---	---	---	---	---	1	1	1	1	0	0	1	2
Extractable Total Petroleum Hydrocarbons (CTETPH)	---	---	---	---	---	---	1	1	1	1	0	0	1	2
CTRSR 15 Metals (EPA 6000/7000) (SPLP 1312)	---	---	---	---	---	---	1	1	1	1	0	0	1	2
Cyanide	---	---	---	---	---	---	1	1	1	1	0	0	1	2
Zinc	---	---	---	---	---	---	1	1	1	1	0	0	1	2
Arsenic	---	---	---	---	---	---	1	1	1	1	0	0	1	2

Notes:
1. Trip blanks were submitted with each shipment of samples for volatile organic analysis.
2. Equipment blanks were submitted 1 per 20 samples.
3. Field duplicates were submitted 1 per 20 samples.

**TABLE 3 -
GROUNDWATER ELEVATIONS
FACTORY H SUPPLEMENTAL ENVIRONMENTAL INVESTIGATION
MERIDEN, CONNECTICUT
AECOM ENVIRONMENT**

	MW-1	MW-3	MW-8	MW-10	MW-11	MW-12	MW-13	MW-14	AOC-3	AOC-11	AOC-15	AOC-17	AOC-19	AOC-24	AOC-30	MW-100	MW-101	MW-102	MW-103	MW-104
Date measured	5/10/2006	5/10/2006	3/13/2009	5/10/2006	3/13/2009	5/10/2006	5/10/2006	5/10/2006	3/13/2009	3/13/2009	5/10/2006	3/13/2009	5/10/2006	5/10/2006	3/13/2009	3/13/2009	3/13/2009	3/13/2009	3/13/2009	3/13/2009
Reference Elevation	150.02	142.16	140.69	146.35	143.71	143.2	141.09	138.82	142.72	140.29	139.98		142.84	139.21	140.85	150.04	149.94	148.68	147.93	146.36
Depth for water	13.71	9.79	8.14	12.11	7.95	8.74	7.24	6.05	10.2	8.6	7.06	13.05	10.25	3.98	9.45	15.6	15.25	13.02	13.8	12.08
Water elevation	136.31	132.37	132.55	134.24	135.76	134.46	133.85	132.77	132.52	131.69	132.92		132.59	135.23	131.4	134.44	134.69	135.66	134.13	134.28

**TABLE 3 -
GROUNDWATER ELEVATIONS
FACTORY H SUPPLEMENTAL ENVIRONMENTAL INVESTIGATION
MERIDEN, CONNECTICUT
AECOM ENVIRONMENT**

	MW-105	MW-106	MW-107	Cooper St	Cooper St	Footbridge	Footbridge	ME-MW-01	ME-MW-02
Date measured	11/29/2006	3/13/2009	11/29/2006	11/22/2006	11/30/2006	11/22/2006	11/30/2006	3/13/2009	3/13/2009
Reference Elevation	144.8	143.19	142.59	145.01	145.01	142.07	142.07		
Depth for water	10.47	9.75	10.08	13.75	13.7	9.58	9.5	14.37	7.7
Water elevation	134.33	133.44	132.51	131.26	131.31	132.49	132.57		

TABLE 4A
SUMMARY OF SOIL SAMPLE ANALYTICAL DATA
FACTORY H SUPPLEMENTAL INVESTIGATION
MERIDEN, CONNECTICUT
AECOM ENVIRONMENT

Parameter	RSR DEC			RSR PMC			SAMPLING LOCATION						
	I/C DEC	RES DEC	GB PMC	ME-SB-06 0-1 FT	ME-SB-06 2-3 FT	ME-SB-07 0-1 FT	ME-SB-07 2-4 FT	ME-SB-DUP	hide this for printing	ME-SS-01 0-1 FT	ME-SS-02 0-1 FT	ME-SS-03 0-1 FT	ME-SS-04 0-1 FT
				2/17/09	2/17/09	2/17/09	2/17/09	2/17/09	dup DV	2/17/09	2/17/09	2/17/09	2/17/09
Sampling Date													
Sample Depth													
Laboratory Report Number				LIMIT-23332	LIMIT-23332	LIMIT-23332	LIMIT-23332	LIMIT-23332		LIMIT-23332	LIMIT-23332	LIMIT-23332	LIMIT-23332
8260 dry weight (mg/kg dry wt)													
Acetone	1,000	500	140	<0.100	<0.15	<0.24	<0.23	<0.21	ND	NT	NT	NT	NT
Acrylonitrile	11	1.1	0.10	<0.006	<0.009	<0.014*	<0.014*	<0.013*	ND	NT	NT	NT	NT
tert-Amyl methyl Ether	~	~	~	<0.001	<0.002	<0.003	<0.003	<0.003	ND	NT	NT	NT	NT
Benzene	200	21	0.20	<0.002	<0.003	<0.005	<0.005	<0.005	ND	NT	NT	NT	NT
Bromobenzene	~	~	~	<0.002	<0.003	<0.005	<0.005	<0.005	ND	NT	NT	NT	NT
Bromochloromethane	~	~	~	<0.002	<0.003	<0.005	<0.005	<0.005	ND	NT	NT	NT	NT
Bromodichloromethane	92	9.9	0.11	<0.002	<0.003	<0.005	<0.005	<0.005	ND	NT	NT	NT	NT
Bromofom	720	78	0.80	<0.002	<0.003	<0.005	<0.005	<0.005	ND	NT	NT	NT	NT
Bromomethane	1,000	95	2.0	<0.010	<0.015	<0.024	<0.023	<0.021	ND	NT	NT	NT	NT
2-Butanone (MEK)	1,000	500	80	<0.040	<0.058	<0.093	<0.089	<0.084	ND	NT	NT	NT	NT
tert-Butyl Alcohol	~	~	~	<0.040	<0.058	<0.093	<0.089	<0.084	ND	NT	NT	NT	NT
n-Butylbenzene	1,000	500	14	<0.002	<0.003	<0.005	<0.005	<0.005	ND	NT	NT	NT	NT
sec-Butylbenzene	1,000	500	14	<0.002	<0.003	<0.005	<0.005	<0.005	ND	NT	NT	NT	NT
tert-Butylbenzene	1,000	500	14	<0.002	<0.003	<0.005	<0.005	<0.005	ND	NT	NT	NT	NT
tert-Butyl ethyl Ether	~	~	~	<0.001	<0.002	<0.003	<0.003	<0.003	ND	NT	NT	NT	NT
Carbon Disulfide	1,000	500	140	<0.006	<0.009	<0.014	<0.014	<0.013	ND	NT	NT	NT	NT
Carbon Tetrachloride	44	4.7	1.0	<0.002	<0.003	<0.005	<0.005	<0.005	ND	NT	NT	NT	NT
Chlorobenzene	1,000	500	20	<0.002	<0.003	<0.005	<0.005	<0.005	ND	NT	NT	NT	NT
Chlorodibromomethane	68	7.3	0.10	<0.001	<0.002	<0.003	<0.003	<0.003	ND	NT	NT	NT	NT
Chloroethane	~	~	~	<0.020	<0.029	<0.047	<0.045	<0.042	ND	NT	NT	NT	NT
Chloroform	940	100	1.2	<0.004	<0.006	<0.010	<0.009	<0.009	ND	NT	NT	NT	NT
Chloromethane	440	47	0.54	<0.010	<0.015	<0.024	<0.023	<0.021	ND	NT	NT	NT	NT
2-Chlorotoluene	~	~	~	<0.002	<0.003	<0.005	<0.005	<0.005	ND	NT	NT	NT	NT
4-Chlorotoluene	~	~	~	<0.002	<0.003	<0.005	<0.005	<0.005	ND	NT	NT	NT	NT
1,2-Dibromo-3-Chloropropane	4.1	0.44	~	<0.001	<0.002	<0.003	<0.003	<0.003	ND	NT	NT	NT	NT
1,2-Dibromoethane	0.067	0.007	~	<0.002	<0.003	<0.005	<0.003	<0.003	ND	NT	NT	NT	NT
Dibromomethane	~	~	~	<0.002	<0.003	<0.005	<0.005	<0.005	ND	NT	NT	NT	NT
1,2-Dichlorobenzene	1,000	500	3.1	<0.002	<0.003	<0.005	<0.005	<0.005	ND	NT	NT	NT	NT
1,3-Dichlorobenzene	1,000	500	120	<0.002	<0.003	<0.005	<0.005	<0.005	ND	NT	NT	NT	NT
1,4-Dichlorobenzene	240	26	15	<0.002	<0.003	<0.005	<0.005	<0.005	ND	NT	NT	NT	NT
trans-1,4-Dichloro-2-Butene	~	~	~	<0.004	<0.006	<0.010	<0.009	<0.009	ND	NT	NT	NT	NT
Dichlorodifluoromethane	~	~	~	<0.020	<0.029	<0.047	<0.045	<0.042	ND	NT	NT	NT	NT
1,1-Dichloroethane	1,000	500	14	<0.002	<0.003	<0.005	<0.005	<0.005	ND	NT	NT	NT	NT
1,2-Dichloroethane	63	6.7	0.20	<0.002	<0.003	<0.005	<0.005	<0.005	ND	NT	NT	NT	NT
1,1-Dichloroethylene	9.5	1.0	1.4	<0.004	<0.006	<0.010	<0.009	<0.009	ND	NT	NT	NT	NT
cis-1,2-Dichloroethylene	1,000	500	14	<0.002	<0.003	<0.005	<0.005	<0.005	ND	NT	NT	NT	NT
trans-1,2-Dichloroethylene	1,000	500	20	<0.002	<0.003	<0.005	<0.005	<0.005	ND	NT	NT	NT	NT
1,2-Dichloropropane	84	9.0	1.0	<0.002	<0.003	<0.005	<0.005	<0.005	ND	NT	NT	NT	NT
1,3-Dichloropropane	~	~	0.1	<0.001	<0.002	<0.003	<0.003	<0.003	ND	NT	NT	NT	NT
2,2-Dichloropropane	~	~	~	<0.002	<0.003	<0.005	<0.005	<0.005	ND	NT	NT	NT	NT
1,1-Dichloropropene	~	~	~	<0.002	<0.003	<0.005	<0.005	<0.005	ND	NT	NT	NT	NT
cis-1,3-Dichloropropene	32	3.4	0.10	<0.001	<0.002	<0.003	<0.003	<0.003	ND	NT	NT	NT	NT
trans-1,3-Dichloropropene	32	3.4	0.10	<0.001	<0.002	<0.003	<0.003	<0.003	ND	NT	NT	NT	NT
Diethyl Ether	~	~	~	<0.020	<0.029	<0.047	<0.045	<0.042	ND	NT	NT	NT	NT
Diisopropyl Ether	~	~	~	<0.001	<0.002	<0.003	<0.003	<0.003	ND	NT	NT	NT	NT
1,4-Dioxane	~	~	~	<0.100	<0.15	<0.24	<0.23	<0.21	ND	NT	NT	NT	NT
Ethyl Benzene	1,000	500	10	<0.002	<0.003	<0.005	<0.005	<0.005	ND	NT	NT	NT	NT
Hexachlorobutadiene	~	~	~	<0.002	<0.003	<0.005	<0.005	<0.005	ND	NT	NT	NT	NT
2-Hexanone	~	~	~	<0.020	<0.029	<0.047	<0.045	<0.042	ND	NT	NT	NT	NT
Isopropylbenzene	1,000	500	130	<0.002	<0.003	<0.005	<0.005	<0.005	ND	NT	NT	NT	NT
p-Isopropyltoluene	1,000	500	14	<0.002	<0.003	<0.005	<0.005	<0.005	ND	NT	NT	NT	NT
MTBE	1,000	500	20	<0.004	<0.006	<0.010	<0.009	<0.009	ND	NT	NT	NT	NT
Methylene Chloride	760	82	1.0	<0.020	<0.029	<0.047	<0.045	<0.042	ND	NT	NT	NT	NT
MIBK	1,000	500	14	<0.020	<0.029	<0.047	<0.045	<0.042	ND	NT	NT	NT	NT
Naphthalene	2,500	1,000	56	<0.004	<0.006	<0.010	<0.009	<0.009	ND	NT	NT	NT	NT
n-Propylbenzene	1,000	500	14	<0.002	<0.003	<0.005	<0.005	<0.005	ND	NT	NT	NT	NT
Styrene	1,000	500	20	<0.002	<0.003	<0.005	<0.005	<0.005	ND	NT	NT	NT	NT
1,1,1,2-Tetrachloroethane	220	24	0.20	<0.002	<0.003	<0.005	<0.005	<0.005	ND	NT	NT	NT	NT
1,1,1,2,2-Tetrachloroethane	29	3.1	0.10	<0.001	<0.002	<0.003	<0.003	<0.003	ND	NT	NT	NT	NT
Tetrachloroethylene	110	12	~	<0.002	<0.003	0.008	0.042 J	0.021 J	0.66667	NT	NT	NT	NT
Tetrahydrofuran	~	~	~	<0.010	<0.015	<0.024	<0.023	<0.021	ND	NT	NT	NT	NT
Toluene	1,000	500	67	<0.002	<0.003	<0.005	<0.005	<0.005	ND	NT	NT	NT	NT
1,2,3-Trichlorobenzene	~	~	~	<0.002	<0.003	<0.005	<0.005	<0.005	ND	NT	NT	NT	NT
1,2,4-Trichlorobenzene	2,500	680	14	<0.002	<0.003	<0.005	<0.005	<0.005	ND	NT	NT	NT	NT
1,3,5-Trichlorobenzene	~	~	~	<0.002	<0.003	<0.005	<0.005	<0.005	ND	NT	NT	NT	NT
1,1,1-Trichloroethane	1,000	500	40	<0.002	<0.003	<0.005	<0.005	<0.005	ND	NT	NT	NT	NT
1,1,2-Trichloroethane	100	11	1.0	<0.002	<0.003	<0.005	<0.005	<0.005	ND	NT	NT	NT	NT
Trichloroethylene	520	56	~	<0.002	<0.003	0.12	0.320 J	0.180 J	0.56000	NT	NT	NT	NT
Trichlorofluoromethane	1,000	500	260	<0.010	<0.015	<0.024	<0.023	<0.021	ND	NT	NT	NT	NT
1,2,3-Trichloropropane	~	~	~	<0.002	<0.003	<0.005	<0.005	<0.005	ND	NT	NT	NT	NT
1,1,2-Trichloro-1,2,2-Trifluoroethane	~	~	~	<0.010	<0.015	<0.024	<0.023	<0.021	ND	NT	NT	NT	NT
1,2,4-Trimethylbenzene	1,000	500	70	<0.002	<0.003	<0.005	<0.005	<0.005	ND	NT	NT	NT	NT
1,3,5-Trimethylbenzene	1,000	500	70	<0.002	<0.003	<0.005	<0.005	<0.005	ND	NT	NT	NT	NT
Vinyl Chloride	3.0	0.32	0.40	<0.010	<0.015	<0.024	<0.023	<0.021	ND	NT	NT	NT	NT
m + p Xylene	1,000	500	20	<0.004	<0.006	<0.010	<0.009	<0.009	ND	NT	NT	NT	NT
p-Xylene	1,000	500	20	<0.002	<0.003	<0.005	<0.005	<0.005	ND	NT	NT	NT	NT

TABLE 4A
SUMMARY OF SOIL SAMPLE ANALYTICAL DATA
FACTORY H SUPPLEMENTAL INVESTIGATION
MERIDEN, CONNECTICUT
AECOM ENVIRONMENT

Parameter	RSR DEC			RSR PMC			SAMPLING LOCATION							
	I/C DEC	RES DEC	GB PMC	ME-SB-06 0-1 FT	ME-SB-06 2-3 FT	ME-SB-07 0-1 FT	ME-SB-07 2-4 FT	ME-SB-DUP	hide this for printing	ME-SB-01 0-1 FT	ME-SB-02 0-1 FT	ME-SB-03 0-1 FT	ME-SB-04 0-1 FT	
8260 solid (mg/kg)									ND					
Acetone	1,000	500	140	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
Acrylonitrile	11	1.1	0.10	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
tert-Amyl methyl Ether	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
Benzene	200	21	0.20	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
Bromobenzene	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
Bromochloromethane	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
Bromodichloromethane	92	9.9	0.11	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
Bromoforn	720	78	0.80	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
Bromomethane	1,000	95	2.0	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
2-Butanone (MEK)	1,000	500	80	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
tert-Butyl Alcohol	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
n-Butylbenzene	1,000	500	14	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
sec-Butylbenzene	1,000	500	14	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
tert-Butylbenzene	1,000	500	14	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
tert-Butylethyl Ether	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
Carbon Disulfide	1,000	500	140	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
Carbon Tetrachloride	44	4.7	1.0	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
Chlorobenzene	1,000	500	20	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
Chlorodibromomethane	68	7.3	0.10	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
Chloroethane	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
Chloroform	940	100	1.2	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
Chloromethane	440	47	0.54	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
2-Chlorotoluene	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
4-Chlorotoluene	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
1,2-Dibromo-3-Chloropropane	4.1	0.44	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
1,2-Dibromoethane	0.067	0.007	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
Dibromomethane	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
1,2-Dichlorobenzene	1,000	500	3.1	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
1,3-Dichlorobenzene	1,000	500	120	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
1,4-Dichlorobenzene	240	26	15	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
trans-1,4-Dichloro-2-Butene	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
Dichlorodifluoromethane	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
1,1-Dichloroethane	1,000	500	14	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
1,2-Dichloroethane	63	6.7	0.20	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
1,1-Dichloroethylene	9.5	1.0	1.4	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
cis-1,2-Dichloroethylene	1,000	500	14	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
trans-1,2-Dichloroethylene	1,000	500	20	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
1,2-Dichloropropane	84	9.0	1.0	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
1,3-Dichloropropane	~	~	0.1	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
2,2-Dichloropropane	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
1,1-Dichloropropene	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
cis-1,3-Dichloropropene	32	3.4	0.10	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
trans-1,3-Dichloropropene	32	3.4	0.10	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
Diethyl Ether	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
Diisopropyl Ether	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
1,4-Dioxane	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
Ethyl Benzene	1,000	500	10	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
Hexachlorobutadiene	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
2-Hexanone	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
Isopropylbenzene	1,000	500	130	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
p-Isopropyltoluene	1,000	500	14	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
MTBE	1,000	500	20	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
Methylene Chloride	760	82	1.0	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
MIBK	1,000	500	14	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
Naphthalene	2,500	1,000	56	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
n-Propylbenzene	1,000	500	14	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
Styrene	1,000	500	20	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
1,1,1,2-Tetrachloroethane	220	24	0.20	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
1,1,2,2-Tetrachloroethane	29	3.1	0.10	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
Tetrachloroethylene	110	12	1.0	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
Tetrahydrofuran	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
Toluene	1,000	500	67	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
1,2,3-Trichlorobenzene	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
1,2,4-Trichlorobenzene	2,500	680	14	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
1,3,5-Trichlorobenzene	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
1,1,1-Trichloroethane	1,000	500	40	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
1,1,2-Trichloroethane	100	11	1.0	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
Trichloroethylene	520	56	1.0	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
Trichlorofluoromethane	1,000	500	260	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
1,2,3-Trichloropropane	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
1,1,2-Trichloro-1,2,2-Trifluoroethane	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
1,2,4-Trimethylbenzene	1,000	500	70	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
1,3,5-Trimethylbenzene	1,000	500	70	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
Vinyl Chloride	3.0	0.32	0.40	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
m + p Xylene	1,000	500	20	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
o-Xylene	1,000	500	20	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	

TABLE 4A
SUMMARY OF SOIL SAMPLE ANALYTICAL DATA
FACTORY H SUPPLEMENTAL INVESTIGATION
MERRIDEN, CONNECTICUT
AECOM ENVIRONMENT

Parameter	RSR DEC			RSR PMC			SAMPLING LOCATION						
	I/C DEC	RES DEC	GB PMC	ME-SB-06 0-1 FT	ME-SB-06 2-3 FT	ME-SB-07 0-1 FT	ME-SB-07 2-4 FT	ME-SB-DUP	hide this for printing	ME-SS-01 0-1 FT	ME-SS-02 0-1 FT	ME-SS-03 0-1 FT	ME-SS-04 0-1 FT
cu (mg/kg)dw icp (mg/kg dry wt)	76,000	2,500	~	NT	NT	NT	NT	NT	ND	144	1,950	66.2	406
Copper									ND				
cyanide-tot sltg (mg/kg dry wt)	41,000	1,400	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Cyanide									ND				
etph dry weight (mg/kg dry weight)	2,500	500	2,500	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Extractable TPH (ETPH)									ND				
metals (5pp)icp (mg/kg dry wt)	8,200	27.0	1.20	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Antimony									ND				
Arsenic	10.0	10.0	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Barium	140,000	4,700	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Beryllium	2.00	2.00	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Cadmium	1,000	34.0	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Chromium	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Copper	76,000	2,500	~	NT	NT	NT	NT	NT	ND	144	1,950	66.2	406
Lead	1,000	400	~	572	435	518	472 J	244 J	0.63687	57.8	435	159	245
Mercury	610	20.0	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Nickel	7,500	1,400	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Selenium	10,000	340	0.5	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Silver	10,000	340	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Thallium	160	5.40	0.05	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Vanadium	14,000	470	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Zinc	610,000	20,000	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
metals-8 slg icp (mg/kg dry wt)									ND				
Arsenic	10.0	10.0	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Barium	140,000	4,700	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Cadmium	1,000	34.0	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Chromium	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Lead	1,000	400	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Mercury	610	20.0	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Selenium	10,000	340	0.5	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Silver	10,000	340	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
splp - ag 6020 (ug/L)	~	~	360	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Silver									ND				
splp - as 6020 (ug/L)	~	~	500	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Arsenic									ND				
splp - ba 6020 (ug/L)	~	~	10,000	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Barium									ND				
splp - cr 6020 (ug/L)	~	~	500	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Chromium									ND				
splp - cu 6020 (ug/L)	~	~	13,000	NT	NT	NT	NT	NT	ND	NT	6,760	NT	NT
Copper									ND				
splp - cyanide (mg/l)	~	~	2,000	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Cyanide									ND				
splp - ni 6020 (ug/L)	~	~	1,000	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Nickel									ND				
splp - pb 6020 (ug/L)	~	~	150	NT	NT	NT	28.9	NT	ND	NT	NT	NT	NT
Lead									ND				
splp - sb 6020 (ug/L)	~	~	60	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Antimony									ND				
splp - se 6020 (ug/L)	~	~	500	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Selenium									ND				
splp - tl 6020 (ug/L)	~	~	50	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Thallium									ND				
splp - v 6020 (ug/L)	~	~	500	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Vanadium									ND				
splp mercury (mg/l leachate)	~	~	20	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Mercury									ND				

TABLE 4A
SUMMARY OF SOIL SAMPLE ANALYTICAL DATA
FACTORY H SUPPLEMENTAL INVESTIGATION
MERIDEN, CONNECTICUT
AECOM ENVIRONMENT

Parameter	RSR DEC		RSR PMC	SAMPLING LOCATION									
	I/C DEC	RES DEC	GB PMC	ME-SB-06 0-1 FT	ME-SB-06 2-3 FT	ME-SB-07 0-1 FT	ME-SB-07 2-4 FT	ME-SB-DUP	hide this for printing	ME-SS-01 0-1 FT	ME-SS-02 0-1 FT	ME-SS-03 0-1 FT	ME-SS-04 0-1 FT
pah - sludge (mg/kg dry wt)													
Acenaphthene	2,500	1,000	84	<0.398	0.528	<0.977	<0.197	<0.208	ND	<0.201	2.40	<0.221	<0.195
Acenaphthylene	2,500	1,000	84	<0.398	<0.216	<0.977	<0.197	<0.208	ND	<0.201	1.87	<0.221	<0.195
Anthracene	2,500	1,000	400	<0.398	0.254	<0.977	<0.197	<0.208	ND	<0.201	8.44	<0.221	<0.195
Benzo(a)anthracene	7.8	1	1	0.581	0.869	1.04	<0.197	0.269	ND	0.285	24.1	0.449	0.609
Benzo(a)pyrene	1	1	1	0.595	0.877	<0.977	<0.197	<0.208	ND	0.229	21.1	0.449	0.586
Benzo(b)fluoranthene	7.8	1	1	0.778	1.23	1.55	<0.197	0.264	ND	0.273	27.4	0.674	0.704
Benzo(g,h,i)perylene	2,500	1,000	42	<0.398	0.437	<0.977	<0.197	<0.208	ND	<0.201	5.71	<0.221	0.259
Benzo(k)fluoranthene	78	8.40	1	<0.398	0.521	<0.977	<0.197	<0.208	ND	<0.201	7.39	0.288	0.301
Chrysene	780	84.0	1	0.623	1.69	1.28	<0.197	0.288	ND	0.314	25.4	0.553	0.659
Dibenz(a,h)anthracene	1	1	1	<0.398	<0.216	<0.977	<0.197	<0.208	ND	<0.201	1.80	<0.221	<0.195
Fluoranthene	2,500	1,000	56	0.706	2.79	2.37	<0.197 UJ	0.394 J	0.334	49.4	0.654	0.786	
Fluorene	2,500	1,000	56	<0.398	0.252	<0.977	<0.197	<0.208	ND	<0.201	4.38	<0.221	<0.195
Indeno(1,2,3-cd)pyrene	7.80	1	1.00	<0.398	0.540	<0.977	<0.197	<0.208	ND	<0.201	7.06	0.234	0.329
2-Methylnaphthalene	2,500	474	9.8	<0.398	<0.216	<0.977	<0.197	<0.208	ND	<0.201	1.96	<0.221	<0.195
Naphthalene	2,500	1,000	56	<0.398	<0.216	<0.977	<0.197	<0.208	ND	<0.201	2.28	<0.221	<0.195
Phenanthrene	2,500	1,000	40	<0.398	1.11	<0.977	<0.197	0.267	ND	<0.201	53.4	0.350	0.647
Pyrene	2,500	1,000	40	0.652	2.93	1.84	<0.197 UJ	0.403 J	ND	0.386	46.2	0.603	0.849
pah - slp (ug/l)			(GA GWPC x 10)										
Acenaphthylene	~	~	4,200	NT	NT	NT	NT	NT	ND	NT	0.30	NT	NT
Anthracene	~	~	20,000	NT	NT	NT	NT	NT	ND	NT	0.21	NT	NT
Benzo(a)anthracene	~	~	0.5	NT	NT	NT	NT	NT	ND	NT	0.610	NT	NT
Benzo(a)pyrene	~	~	2	NT	NT	NT	NT	NT	ND	NT	0.390	NT	NT
Benzo(b)fluoranthene	~	~	0.8	NT	NT	NT	NT	NT	ND	NT	0.650	NT	NT
Chrysene	~	~	48	NT	NT	NT	NT	NT	ND	NT	0.49	NT	NT
Fluoranthene	~	~	2,800	NT	NT	NT	NT	NT	ND	NT	1.18	NT	NT
Phenanthrene	~	~	4,200	NT	NT	NT	NT	NT	ND	NT	1.66	NT	NT
Pyrene	~	~	2,000	NT	NT	NT	NT	NT	ND	NT	1.14	NT	NT
pb (mg/kg)dw icp (mg/kg dry wt)													
Lead	1,000	400	~	572	435	518	472 J	244 J	0.63687	57.8	435	159	245
solids (percent) (%)													
Solids, total	~	~	~	83.8	77.4	85.3	84.8	80.3	0.05451	83.0	85.6	75.5	85.7

- Notes:
1. An asterisk (*) following a detection limit indicates that the minimum laboratory reporting limit exceeds one or more of the regulatory criteria.
 2. NT = Not tested.
 3. ~ = No Standard available
 4. Shaded values exceed the RSR Residential Direct Exposure Criteria (RES DEC) for the parameter.
 5. Shaded and bold border values exceed the RSR Industrial/Commercial Direct Exposure Criteria (I/C DEC) for the parameter.
 6. Bolded values exceed the RSR GB Pollutant Mobility Criteria (GB PMC) for the parameter.
 7. RSR criteria are in same units as analyte.
 8. ND = Not detected above the reporting limit.
 9. Results are only compared to existing CT RSRs. No exceedances to revised CT RSRs are called out. Revised CT RSRs shown for informational purposes only. A summary of exceedance changes due to the revised RSRs is provided in Table 7.

TABLE 4A
SUMMARY OF SOIL SAMPLE ANALYTICAL DATA
FACTORY H SUPPLEMENTAL INVESTIGATION
MERIDEN, CONNECTICUT
AECOM ENVIRONMENT

Parameter	RSR DEC			RSR PMC			SAMPLE LOCATION						
	I/C DEC	RES DEC	GB PMC	ME-SS-05 0-1 FT	ME-SS-06 0-1 FT	ME-SS-07 0-1 FT	ME-SS-08 0-1 FT	ME-SS-DUP	DV check for ss08, ssDUP	ME-SS-09 1-1.5 FT	ME-SS-10 0-1 FT	ME-SS-11 1-1.5 FT	ME-SS-12 0-1 FT
Sampling Date				2/17/09	2/17/09	2/17/09	2/17/09	2/17/09		2/17/09	2/17/09	2/17/09	2/17/09
Sample Depth													
Laboratory Report Number				LIMIT-23332	LIMIT-23332	LIMIT-23332	LIMIT-23332	LIMIT-23332		LIMIT-23332	LIMIT-23332	LIMIT-23332	LIMIT-23332
6260 dry weight (mg/kg dry wt)													
Acetone	1,000	500	140	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Acrylonitrile	11	1.1	0.10	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
tert-Amyl methyl Ether	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Benzene	200	21	0.20	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Bromobenzene	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Bromochloromethane	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Bromodichloromethane	92	9.9	0.11	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Bromofom	720	78	0.80	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Bromomethane	1,000	95	2.0	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
2-Butanone (MEK)	1,000	500	80	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
tert-Butyl Alcohol	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
n-Butylbenzene	1,000	500	14	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
sec-Butylbenzene	1,000	500	14	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
tert-Butylbenzene	1,000	500	14	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
tert-Butyl ethyl Ether	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Carbon Disulfide	1,000	500	140	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Carbon Tetrachloride	44	4.7	1.0	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Chlorobenzene	1,000	500	20	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Chlorodibromomethane	68	7.3	0.10	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Chloroethane	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Chloroform	940	100	1.2	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Chloromethane	440	47	0.54	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
2-Chlorotoluene	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
4-Chlorotoluene	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,2-Dibromo-3-Chloropropane	4.1	0.44	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,2-Dibromoethane	0.067	0.007	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Dibromomethane	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,2-Dichlorobenzene	1,000	500	3.1	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,3-Dichlorobenzene	1,000	500	120	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,4-Dichlorobenzene	240	26	15	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
trans-1,4-Dichloro-2-Butene	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Dichlorodifluoromethane	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,1-Dichloroethane	1,000	500	14	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,2-Dichloroethane	63	6.7	0.20	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,1-Dichloroethylene	9.5	1.0	1.4	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
cis-1,2-Dichloroethylene	1,000	500	14	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
trans-1,2-Dichloroethylene	1,000	500	20	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,2-Dichloropropane	84	9.0	1.0	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,3-Dichloropropane	~	~	0.1	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
2,2-Dichloropropane	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,1-Dichloropropene	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
cis-1,3-Dichloropropene	32	3.4	0.10	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
trans-1,3-Dichloropropene	32	3.4	0.10	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Diethyl Ether	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Diisopropyl Ether	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,4-Dioxane	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Ethyl Benzene	1,000	500	10	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Hexachlorobutadiene	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
2-Hexanone	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Isopropylbenzene	1,000	500	130	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
p-Isopropyltoluene	1,000	500	14	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
MTBE	1,000	500	20	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Methylene Chloride	760	82	1.0	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
MIBK	1,000	500	14	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Naphthalene	2,500	1,000	56	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
n-Propylbenzene	1,000	500	14	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Styrene	1,000	500	20	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,1,1,2-Tetrachloroethane	220	24	0.20	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,1,1,2,2-Tetrachloroethane	29	3.1	0.10	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Tetrachloroethylene	110	12	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Tetrahydrofuran	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Toluene	1,000	500	67	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,2,3-Trichlorobenzene	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,2,4-Trichlorobenzene	2,500	680	14	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,3,5-Trichlorobenzene	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,1,1-Trichloroethane	1,000	500	40	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,1,2-Trichloroethane	100	11	1.0	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Trichloroethylene	520	56	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Trichlorofluoromethane	1,000	500	260	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,2,3-Trichloropropane	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,1,2-Trichloro-1,2,2-Trifluoroethane	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,2,4-Trimethylbenzene	1,000	500	70	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,3,5-Trimethylbenzene	1,000	500	70	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Vinyl Chloride	3.0	0.32	0.40	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
m + p Xylene	1,000	500	20	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
p-Xylene	1,000	500	20	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT

TABLE 4A
SUMMARY OF SOIL SAMPLE ANALYTICAL DATA
FACTORY H SUPPLEMENTAL INVESTIGATION
MERIDEN, CONNECTICUT
AECOM ENVIRONMENT

Parameter	RSR DEC			RSR PMC			SAMPLE LOCATION						
	I/C DEC	RES DEC	GB PMC	ME-SS-05 0-1 FT	ME-SS-06 0-1 FT	ME-SS-07 0-1 FT	ME-SS-08 0-1 FT	ME-SS-DUP	DV check for ss08, ssDUP	ME-SS-09 1-1.5 FT	ME-SS-10 0-1 FT	ME-SS-11 1-1.5 FT	ME-SS-12 0-1 FT
8260 solid (mg/kg)									ND				
Acetone	1,000	500	140	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Acrylonitrile	11	1.1	0.10	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
tert-Amyl methyl Ether	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Benzene	200	21	0.20	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Bromobenzene	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Bromochloromethane	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Bromodichloromethane	92	9.9	0.11	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Bromoform	720	78	0.80	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Bromomethane	1,000	95	2.0	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
2-Butanone (MEK)	1,000	500	80	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
tert-Butyl Alcohol	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
n-Butylbenzene	1,000	500	14	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
sec-Butylbenzene	1,000	500	14	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
tert-Butylbenzene	1,000	500	14	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
tert-Butylethyl Ether	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Carbon Disulfide	1,000	500	140	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Carbon Tetrachloride	44	4.7	1.0	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Chlorobenzene	1,000	500	20	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Chlorodibromomethane	68	7.3	0.10	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Chloroethane	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Chloroform	940	100	1.2	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Chloromethane	440	47	0.54	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
2-Chlorotoluene	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
4-Chlorotoluene	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,2-Dibromo-3-Chloropropane	4.1	0.44	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,2-Dibromoethane	0.067	0.007	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Dibromomethane	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,2-Dichlorobenzene	1,000	500	3.1	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,3-Dichlorobenzene	1,000	500	120	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,4-Dichlorobenzene	240	26	15	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
trans-1,4-Dichloro-2-Butene	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Dichlorodifluoromethane	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,1-Dichloroethane	1,000	500	14	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,2-Dichloroethane	63	6.7	0.20	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,1-Dichloroethylene	9.5	1.0	1.4	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
cis-1,2-Dichloroethylene	1,000	500	14	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
trans-1,2-Dichloroethylene	1,000	500	20	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,2-Dichloropropane	84	9.0	1.0	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,3-Dichloropropane	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
2,2-Dichloropropane	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,1-Dichloropropene	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
cis-1,3-Dichloropropene	32	3.4	0.10	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
trans-1,3-Dichloropropene	32	3.4	0.10	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Diethyl Ether	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Diisopropyl Ether	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,4-Dioxane	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Ethyl Benzene	1,000	500	10	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Hexachlorobutadiene	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
2-Hexanone	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Isopropylbenzene	1,000	500	130	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
p-Isopropyltoluene	1,000	500	14	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
MTBE	1,000	500	20	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Methylene Chloride	760	82	1.0	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
MIBK	1,000	500	14	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Naphthalene	2,500	1,000	56	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
n-Propylbenzene	1,000	500	14	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Styrene	1,000	500	20	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,1,1,2-Tetrachloroethane	220	24	0.20	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,1,2,2-Tetrachloroethane	29	3.1	0.10	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Tetrachloroethylene	110	12	1.0	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Tetrahydrofuran	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Toluene	1,000	500	67	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,2,3-Trichlorobenzene	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,2,4-Trichlorobenzene	2,500	680	14	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,3,5-Trichlorobenzene	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,1,1-Trichloroethane	1,000	500	40	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,1,2-Trichloroethane	100	11	1.0	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Trichloroethylene	520	56	1.0	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Trichlorofluoromethane	1,000	500	260	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,2,3-Trichloropropane	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,1,2-Trichloro-1,2,2-Trifluoroethane	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,2,4-Trimethylbenzene	1,000	500	70	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
1,3,5-Trimethylbenzene	1,000	500	70	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Vinyl Chloride	3.0	0.32	0.40	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
m + p Xylene	1,000	500	20	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
o-Xylene	1,000	500	20	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT

TABLE 4A
SUMMARY OF SOIL SAMPLE ANALYTICAL DATA
FACTORY H SUPPLEMENTAL INVESTIGATION
MERIDEN, CONNECTICUT
AECOM ENVIRONMENT

Parameter	RSR DEC			RSR PMC			SAMPLE LOCATION						
	I/C DEC	RES DEC	GB PMC	ME-SS-05 0-1 FT	ME-SS-06 0-1 FT	ME-SS-07 0-1 FT	ME-SS-08 0-1 FT	ME-SS-DUP	DV check for ss08, ssDUP	ME-SS-09 1-1.5 FT	ME-SS-10 0-1 FT	ME-SS-11 1-1.5 FT	ME-SS-12 0-1 FT
cu (mg/kg)dw icp (mg/kg dry wt)	76,000	2,500	~	108	742	1,060	336	305	ND	NT	NT	NT	NT
Copper	76,000	2,500	~	108	742	1,060	336	305	0.09672	NT	NT	NT	NT
cyanide-tot sltg (mg/kg dry wt)	41,000	1,400	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Cyanide	41,000	1,400	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
etph dry weight (mg/kg dry weight)	2,500	500	2,500	NT	NT	NT	NT	NT	ND	13	110	<12	72
Extractable TPH (ETPH)	2,500	500	2,500	NT	NT	NT	NT	NT	ND	13	110	<12	72
metals (15pp)scip (mg/kg dry wt)	8,200	27.0	1.20	NT	NT	NT	NT	NT	ND	<4.29	<4.23	<4.47	<4.88
Antimony	8,200	27.0	1.20	NT	NT	NT	NT	NT	ND	<4.29	<4.23	<4.47	<4.88
Arsenic	10.0	10.0	~	NT	NT	NT	NT	NT	ND	2.71	2.89	<2.80	9.21
Barium	140,000	4,700	~	NT	NT	NT	NT	NT	ND	57.5	19.3	32.3	109
Beryllium	2.00	2.00	~	NT	NT	NT	NT	NT	ND	<0.27	<0.27	<0.28	<0.31
Cadmium	1,000	34.0	~	NT	NT	NT	NT	NT	ND	<0.27	0.42	<0.28	0.75
Chromium	~	~	~	NT	NT	NT	NT	NT	ND	15.1	3.36	3.77	18.1
Copper	76,000	2,500	~	108	742	1,060	336	305	0.09672	19.6	87.1	20.8	1,050
Lead	1,000	400	~	39.2	252	744	565	462	0.20058	6.05	11.1	7.91	194
Mercury	610	20.0	~	NT	NT	NT	NT	NT	ND	0.017	0.018	<0.012	0.220
Nickel	7,500	1,400	~	NT	NT	NT	NT	NT	ND	11.3	11.5	3.64	2.18
Selenium	10,000	340	0.5	NT	NT	NT	NT	NT	ND	<5.36	<5.29	<5.59	<6.10
Silver	10,000	340	~	NT	NT	NT	NT	NT	ND	<0.54	<0.53	<0.56	11.5
Thallium	160	5.40	0.05	NT	NT	NT	NT	NT	ND	<3.22	<3.18	<3.36	<3.66
Vanadium	14,000	470	~	NT	NT	NT	NT	NT	ND	33.0	86.4	11.3	57.9
Zinc	610,000	20,000	~	NT	NT	NT	NT	NT	ND	33.6	53.2	15.5	426
metals-8 slg icp (mg/kg dry wt)	10.0	10.0	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Arsenic	10.0	10.0	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Barium	140,000	4,700	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Cadmium	1,000	34.0	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Chromium	~	~	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Lead	1,000	400	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Mercury	610	20.0	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Selenium	10,000	340	0.5	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Silver	10,000	340	~	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
splp - ag 6020 (ug/L)	~	~	360	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Silver	~	~	360	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
splp - as 6020 (ug/L)	~	~	500	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Arsenic	~	~	500	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
splp - ba 6020 (ug/L)	~	~	10,000	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Barium	~	~	10,000	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
splp - cr 6020 (ug/L)	~	~	500	NT	NT	NT	NT	NT	ND	<100	NT	NT	NT
Chromium	~	~	500	NT	NT	NT	NT	NT	ND	<100	NT	NT	NT
splp - cu 6020 (ug/L)	~	~	13,000	<25.0	NT	NT	NT	NT	ND	NT	NT	NT	120
Copper	~	~	13,000	<25.0	NT	NT	NT	NT	ND	NT	NT	NT	120
splp - cyanide (mg/l)	~	~	2,000	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Cyanide	~	~	2,000	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
splp - ni 6020 (ug/L)	~	~	1,000	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Nickel	~	~	1,000	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
splp - pb 6020 (ug/L)	~	~	150	NT	37.5	101	NT	NT	ND	<5.00	NT	NT	NT
Lead	~	~	150	NT	37.5	101	NT	NT	ND	<5.00	NT	NT	NT
splp - sb 6020 (ug/L)	~	~	60	NT	NT	NT	NT	NT	ND	<5.00	NT	NT	NT
Antimony	~	~	60	NT	NT	NT	NT	NT	ND	<5.00	NT	NT	NT
splp - se 6020 (ug/L)	~	~	500	NT	NT	NT	NT	NT	ND	NT	NT	NT	<25.0
Selenium	~	~	500	NT	NT	NT	NT	NT	ND	NT	NT	NT	<25.0
splp - tl 6020 (ug/L)	~	~	50	NT	NT	NT	NT	NT	ND	<1.00	NT	NT	NT
Thallium	~	~	50	NT	NT	NT	NT	NT	ND	<1.00	NT	NT	NT
splp - v 6020 (ug/L)	~	~	500	NT	NT	NT	NT	NT	ND	<50.0	NT	NT	NT
Vanadium	~	~	500	NT	NT	NT	NT	NT	ND	<50.0	NT	NT	NT
splp mercury (mg/l leachate)	~	~	20	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT
Mercury	~	~	20	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT

TABLE 4A
SUMMARY OF SOIL SAMPLE ANALYTICAL DATA
FACTORY H SUPPLEMENTAL INVESTIGATION
MERIDEN, CONNECTICUT
AECOM ENVIRONMENT

Parameter	RSR DEC		RSR PMC	SAMPLE LOCATION									
	I/C DEC	RES DEC	GB PMC	ME-SS-05 0-1 FT	ME-SS-06 0-1 FT	ME-SS-07 0-1 FT	ME-SS-08 0-1 FT	ME-SS-DUP	DV check for ss08, ssDUP	ME-SS-09 1-1.5 FT	ME-SS-10 0-1 FT	ME-SS-11 1-1.5 FT	ME-SS-12 0-1 FT
pah - sludge (mg/kg dry wt)									ND				
Acenaphthene	2,500	1,000	84	<0.182	<0.720	0.652	<0.369	<0.380	ND	<0.179	<0.353	<0.187	<1.02
Acenaphthylene	2,500	1,000	84	<0.182	<0.720	<0.198	0.483	0.544	0.11879	<0.179	<0.353	<0.187	<1.02
Anthracene	2,500	1,000	400	<0.182	1.34	2.03	0.938	1.21	0.25326	<0.179	<0.353	<0.187	<1.02
Benzo(a)anthracene	7.8	1	1	<0.182	3.34	4.12	3.23	3.87	0.18028	<0.179	<0.353	<0.187	2.80
Benzo(a)pyrene	1	1	1	<0.182	3.27	2.97	3.05	3.56	0.15431	<0.179	<0.353	<0.187	2.25
Benzo(b)fluoranthene	7.8	1	1	0.277	4.26	3.96	4.23	4.92	0.15082	<0.179	<0.353	<0.187	2.99
Benzo(g,h,i)perylene	2,500	1,000	42	<0.182	1.37	1.12	1.34	1.62	0.18919	<0.179	<0.353	<0.187	1.06
Benzo(k)fluoranthene	78	8.40	1	<0.182	1.52	1.56	1.80	1.85	0.02740	<0.179	<0.353	<0.187	1.21
Chrysene	780	84.0	1	0.198	3.55	3.92	3.41	3.96	0.14925	<0.179	<0.353	<0.187	2.84
Dibenz(a,h)anthracene	1	1	1	<0.182	<0.720	0.360	0.402	0.492	0.20134	<0.179	<0.353	<0.187	<1.02*
Fluoranthene	2,500	1,000	56	0.226	6.34	6.45	6.96	6.96	0.03204	<0.179	<0.353	<0.187	4.39
Fluorene	2,500	1,000	56	<0.182	<0.720	0.655	0.515	0.622	0.18821	<0.179	<0.353	<0.187	<1.02
Indeno(1,2,3-cd)pyrene	7.80	1	1.00	<0.182	1.70	1.40	1.62	1.90	0.15909	<0.179	<0.353	<0.187	1.35
2-Methylnaphthalene	2,500	474	9.8	<0.182	<0.720	0.239	<0.369	<0.380	ND	<0.179	<0.353	<0.187	<1.02*
Naphthalene	2,500	1,000	56	<0.182	<0.720	0.281	<0.369	<0.380	ND	<0.179	<0.353	1.18	<1.02
Phenanthrene	2,500	1,000	40	<0.182	6.09	7.53	3.94	4.98	0.23318	<0.179	<0.353	<0.187	2.64
Pyrene	2,500	1,000	40	<0.182	5.09	5.52	5.53	5.33	0.03683	<0.179	<0.353	<0.187	3.66
pah - slp (ug/l)			(GA GWPC x 10)						ND				
Acenaphthylene	~	~	4,200	NT	<0.30	NT	NT	NT	ND	NT	NT	NT	NT
Anthracene	~	~	20,000	NT	<0.20	NT	NT	NT	ND	NT	NT	NT	NT
Benzo(a)anthracene	~	~	0.5	NT	<0.050	NT	NT	NT	ND	NT	NT	NT	NT
Benzo(a)pyrene	~	~	2	NT	<0.100	NT	NT	NT	ND	NT	NT	NT	NT
Benzo(b)fluoranthene	~	~	0.8	NT	<0.050	NT	NT	NT	ND	NT	NT	NT	NT
Chrysene	~	~	48	NT	<0.20	NT	NT	NT	ND	NT	NT	NT	NT
Fluoranthene	~	~	2,800	NT	<0.50	NT	NT	NT	ND	NT	NT	NT	NT
Phenanthrene	~	~	4,200	NT	<0.05	NT	NT	NT	ND	NT	NT	NT	NT
Pyrene	~	~	2,000	NT	<1.00	NT	NT	NT	ND	NT	NT	NT	NT
pb (mg/kg)dw icp (mg/kg dry wt)									ND				
Lead	1,000	400	~	39.2	252	744	565	462	0.20058	NT	NT	NT	NT
solids (percent) (%)									ND				
Solids, total	~	~	~	91.6	92.7	84.2	90.5	87.8	0.03029	93.4	94.6	89.5	82.1

- Notes:
1. An asterisk (*) following a detection limit indicates that the minimum laboratory reporting limit exceeds one.
 2. NT = Not tested.
 3. ~ = No Standard available.
 4. Shaded values exceed the RSR Residential Direct Exposure Criteria (RES DEC) for the parameter.
 5. Shaded and bold border values exceed the RSR Industrial/Commercial Direct Exposure Criteria (I/C DEC) for the parameter.
 6. Bolded values exceed the RSR GB Pollutant Mobility Criteria (GB PMC) for the parameter.
 7. RSR criteria are in same units as analyte.
 8. ND = Not detected above the reporting limit.
 9. Results are only compared to existing CT RSRs. No exceedances to revised CT RSRs are called out. Revis a summary of exceedance changes due to the revised RSRs is provided in Table 7.

TABLE 4A
SUMMARY OF SOIL SAMPLE ANALYTICAL DATA
FACTORY H SUPPLEMENTAL INVESTIGATION
MERIDEN, CONNECTICUT
AECOM ENVIRONMENT

Parameter	RSR DEC			RSR PMC			SAMPLING LOCATION					
	I/C DEC	RES DEC	GB PMC	TRIP BLANK 021709	ME-MW-02 13-14FT	ME-MW-02 4.5-5FT	ME-SB-01 0.5-1.5FT	ME-SB-01 8-9FT	ME-SB-02 1-2FT	ME-SB-02 8-9FT	ME-SB-03 1-2FT	ME-SB-03 7.5-8.5FT
				2/17/09	2/19/09	2/19/09	2/19/09	2/19/09	2/19/09	2/19/09	2/19/09	2/19/09
Sample Depth												
Laboratory Report Number				LIMIT-23332	LIMIT-23411	LIMIT-23411	LIMIT-23411	LIMIT-23411	LIMIT-23411	LIMIT-23411	LIMIT-23411	LIMIT-23411
6260 dry weight (mg/kg dry wt)												
Acetone	1,000	500	140	NT	<0.11	<0.15	<0.092	<0.13	<0.089	<0.077	<0.097	<0.11
Acrylonitrile	11	1.1	0.10	NT	<0.007	<0.009	<0.006	<0.008	<0.006	<0.005	<0.006	<0.007
tert-Amyl methyl Ether	-	-	-	NT	<0.002	<0.002	<0.002	<0.002	<0.001	<0.001	<0.001	<0.002
Benzene	200	21	0.20	NT	<0.003	<0.003	<0.002	<0.003	<0.002	<0.002	<0.002	<0.003
Bromobenzene	-	-	-	NT	<0.003	<0.003	<0.002	<0.003	<0.002	<0.002	<0.002	<0.003
Bromochloromethane	-	-	-	NT	<0.003	<0.003	<0.002	<0.003	<0.002	<0.002	<0.002	<0.003
Bromodichloromethane	92	9.9	0.11	NT	<0.003	<0.003	<0.002	<0.003	<0.002	<0.002	<0.002	<0.003
Bromoforn	720	78	0.80	NT	<0.003	<0.003	<0.002	<0.003	<0.002	<0.002	<0.002	<0.003
Bromomethane	1,000	95	2.0	NT	<0.011	<0.015	<0.010	<0.013	<0.009	<0.008	<0.010	<0.011
2-Butanone (MEK)	1,000	500	80	NT	<0.041	<0.060	<0.037	<0.049	<0.036	<0.031	<0.039	<0.041
tert-Butyl Alcohol	-	-	-	NT	<0.041	<0.060	<0.037	<0.049	<0.036	<0.031	<0.039	<0.041
n-Butylbenzene	1,000	500	14	NT	<0.003	<0.003	<0.002	<0.003	<0.002	<0.002	<0.002	<0.003
sec-Butylbenzene	1,000	500	14	NT	<0.003	<0.003	<0.002	<0.003	<0.002	<0.002	<0.002	<0.003
tert-Butylbenzene	1,000	500	14	NT	<0.003	<0.003	<0.002	<0.003	<0.002	<0.002	<0.002	<0.003
tert-Butyl ethyl Ether	-	-	-	NT	<0.002	<0.002	<0.001	<0.002	<0.001	<0.001	<0.001	<0.002
Carbon Disulfide	1,000	500	140	NT	<0.007	<0.006	<0.006	<0.008	<0.006	<0.005	<0.006	<0.007
Carbon Tetrachloride	44	4.7	1.0	NT	<0.003	<0.003	<0.002	<0.003	<0.002	<0.002	<0.002	<0.003
Chlorobenzene	1,000	500	20	NT	<0.003	<0.003	<0.002	<0.003	<0.002	<0.002	<0.002	<0.003
Chlorodibromomethane	68	7.3	0.10	NT	<0.002	<0.002	<0.001	<0.002	<0.001	<0.001	<0.001	<0.002
Chloroethane	-	-	-	NT	<0.021	<0.030	<0.019	<0.025	<0.018	<0.016	<0.020	<0.021
Chloroform	940	100	1.2	NT	<0.005	<0.006	<0.004	<0.005	<0.004	<0.004	<0.004	<0.005
Chloromethane	440	47	0.54	NT	<0.011	<0.015	<0.010	<0.013	<0.009	<0.008	<0.010	<0.011
2-Chlorotoluene	-	-	-	NT	<0.003	<0.003	<0.002	<0.003	<0.002	<0.002	<0.002	<0.003
4-Chlorotoluene	-	-	-	NT	<0.003	<0.003	<0.002	<0.003	<0.002	<0.002	<0.002	<0.003
1,2-Dibromo-3-Chloropropane	4.1	0.44	-	NT	<0.003	<0.003	<0.002	<0.003	<0.002	<0.002	<0.002	<0.003
1,2-Dibromoethane	0.067	0.007	-	NT	<0.002	<0.002	<0.001	<0.002	<0.001	<0.001	<0.001	<0.002
Dibromomethane	-	-	-	NT	<0.003	<0.003	<0.002	<0.003	<0.002	<0.002	<0.002	<0.003
1,2-Dichlorobenzene	1,000	500	3.1	NT	<0.003	<0.003	<0.002	<0.003	<0.002	<0.002	<0.002	<0.003
1,3-Dichlorobenzene	1,000	500	120	NT	<0.003	<0.003	<0.002	<0.003	<0.002	<0.002	<0.002	<0.003
1,4-Dichlorobenzene	240	26	15	NT	<0.003	<0.003	<0.002	<0.003	<0.002	<0.002	<0.002	<0.003
trans-1,4-Dichloro-2-Butene	-	-	-	NT	<0.005	<0.006	<0.004	<0.005	<0.004	<0.004	<0.004	<0.005
Dichlorodifluoromethane	-	-	-	NT	<0.021	<0.030	<0.019	<0.025	<0.018	<0.016	<0.020	<0.021
1,1-Dichloroethane	1,000	500	14	NT	<0.003	<0.003	<0.002	<0.003	<0.002	<0.002	<0.002	<0.003
1,2-Dichloroethane	63	6.7	0.20	NT	<0.003	<0.003	<0.002	<0.003	<0.002	<0.002	<0.002	<0.003
1,1-Dichloroethylene	9.5	1.0	1.4	NT	<0.005	<0.006	<0.004	<0.005	<0.004	<0.004	<0.004	<0.005
cis-1,2-Dichloroethylene	1,000	500	14	NT	<0.003	<0.003	<0.002	<0.003	<0.002	<0.002	<0.002	<0.003
trans-1,2-Dichloroethylene	1,000	500	20	NT	<0.003	<0.003	<0.002	<0.003	<0.002	<0.002	<0.002	<0.003
1,2-Dichloropropane	84	9.0	1.0	NT	<0.003	<0.003	<0.002	<0.003	<0.002	<0.002	<0.002	<0.003
1,3-Dichloropropane	-	-	0.1	NT	<0.002	<0.002	<0.001	<0.002	<0.001	<0.001	<0.001	<0.002
2,2-Dichloropropane	-	-	-	NT	<0.003	<0.003	<0.002	<0.003	<0.002	<0.002	<0.002	<0.003
1,1-Dichloropropene	-	-	-	NT	<0.003	<0.003	<0.002	<0.003	<0.002	<0.002	<0.002	<0.003
cis-1,3-Dichloropropene	32	3.4	0.10	NT	<0.002	<0.002	<0.001	<0.002	<0.001	<0.001	<0.001	<0.002
trans-1,3-Dichloropropene	32	3.4	0.10	NT	<0.002	<0.002	<0.001	<0.002	<0.001	<0.001	<0.001	<0.002
Diethyl Ether	-	-	-	NT	<0.021	<0.030	<0.019	<0.025	<0.018	<0.016	<0.020	<0.021
Diisopropyl Ether	-	-	-	NT	<0.002	<0.002	<0.001	<0.002	<0.001	<0.001	<0.001	<0.002
1,4-Dioxane	-	-	-	NT	<0.11	<0.15	<0.092	<0.13	<0.089	<0.077	<0.097	<0.11
Ethyl Benzene	1,000	500	10	NT	<0.003	<0.003	<0.002	<0.003	<0.002	<0.002	<0.002	<0.003
Hexachlorobutadiene	-	-	-	NT	<0.003	<0.003	<0.002	<0.003	<0.002	<0.002	<0.002	<0.003
2-Hexanone	-	-	-	NT	<0.021	<0.030	<0.019	<0.025	<0.018	<0.016	<0.020	<0.021
Isopropylbenzene	1,000	500	130	NT	<0.003	<0.003	<0.002	<0.003	<0.002	<0.002	<0.002	<0.003
p-Isopropyltoluene	1,000	500	14	NT	<0.003	<0.003	<0.002	<0.003	<0.002	<0.002	<0.002	<0.003
MTBE	1,000	500	20	NT	<0.005	<0.006	<0.004	<0.005	<0.004	<0.004	<0.004	<0.005
Methylene Chloride	760	82	1.0	NT	<0.021	<0.030	<0.019	<0.025	<0.018	<0.016	<0.020	<0.021
MIBK	1,000	500	14	NT	<0.021	<0.030	<0.019	<0.025	<0.018	<0.016	<0.020	<0.021
Naphthalene	2,500	1,000	56	NT	<0.005	<0.006	<0.004	<0.005	<0.004	<0.004	<0.004	<0.005
n-Propylbenzene	1,000	500	14	NT	<0.003	<0.003	<0.002	<0.003	<0.002	<0.002	<0.002	<0.003
Styrene	1,000	500	20	NT	<0.003	<0.003	<0.002	<0.003	<0.002	<0.002	<0.002	<0.003
1,1,1,2-Tetrachloroethane	220	24	0.20	NT	<0.003	<0.003	<0.002	<0.003	<0.002	<0.002	<0.002	<0.003
1,1,1,2,2-Tetrachloroethane	29	3.1	0.10	NT	<0.002	<0.002	<0.001	<0.002	<0.001	<0.001	<0.001	<0.002
Tetrachloroethylene	110	12	-	NT	<0.003	<0.003	<0.002	<0.003	<0.002	<0.002	<0.002	<0.003
Tetrahydrofuran	-	-	-	NT	<0.011	<0.015	<0.010	<0.013	<0.009	<0.008	<0.010	<0.011
Toluene	1,000	500	67	NT	<0.003	<0.003	<0.002	<0.003	<0.002	<0.002	<0.002	<0.003
1,2,3-Trichlorobenzene	-	-	-	NT	<0.003	<0.003	<0.002	<0.003	<0.002	<0.002	<0.002	<0.003
1,2,4-Trichlorobenzene	2,500	680	14	NT	<0.003	<0.003	<0.002	<0.003	<0.002	<0.002	<0.002	<0.003
1,3,5-Trichlorobenzene	-	-	-	NT	<0.003	<0.003	<0.002	<0.003	<0.002	<0.002	<0.002	<0.003
1,1,1-Trichloroethane	1,000	500	40	NT	<0.003	<0.003	<0.002	<0.003	<0.002	<0.002	<0.002	<0.003
1,1,2-Trichloroethane	100	11	1.0	NT	<0.003	<0.003	<0.002	<0.003	<0.002	<0.002	<0.002	<0.003
Trichloroethylene	520	56	-	NT	<0.003	<0.003	<0.002	<0.003	<0.002	<0.002	<0.002	<0.003
Trichlorofluoromethane	1,000	500	260	NT	<0.011	<0.015	<0.010	<0.013	<0.009	<0.008	<0.010	<0.011
1,2,3-Trichloropropane	-	-	-	NT	<0.003	<0.003	<0.002	<0.003	<0.002	<0.002	<0.002	<0.003
1,1,2-Trichloro-1,2,2-Trifluoroethane	-	-	-	NT	<0.011	<0.015	<0.010	<0.013	<0.009	<0.008	<0.010	<0.011
1,2,4-Trimethylbenzene	1,000	500	70	NT	<0.003	<0.003	<0.002	<0.003	<0.002	<0.002	<0.002	<0.003
1,3,5-Trimethylbenzene	1,000	500	70	NT	<0.003	<0.003	<0.002	<0.003	<0.002	<0.002	<0.002	<0.003
Vinyl Chloride	3.0	0.32	0.40	NT	<0.011	<0.015	<0.010	<0.013	<0.009	<0.008	<0.010	<0.011
m + p Xylene	1,000	500	20	NT	<0							

TABLE 4A
SUMMARY OF SOIL SAMPLE ANALYTICAL DATA
FACTORY H SUPPLEMENTAL INVESTIGATION
MERIDEN, CONNECTICUT
AECOM ENVIRONMENT

Parameter	RSR DEC			RSR PMC	SAMPLING LOCATION							
	I/C DEC	RES DEC	GB PMC	TRIP BLANK 021709	ME-MW-02 13-14FT	ME-MW-02 4.5-5FT	ME-SB-01 0.5-1.5FT	ME-SB-01 8-9FT	ME-SB-02 1-2FT	ME-SB-02 8-9FT	ME-SB-03 1-2FT	ME-SB-03 7.5-8.5FT
8260 solid (mg/kg)												
Acetone	1,000	500	140	<0.10	NT	NT	NT	NT	NT	NT	NT	NT
Acrylonitrile	11	1.1	0.10	<0.006	NT	NT	NT	NT	NT	NT	NT	NT
tert-Amyl methyl Ether	~	~	~	<0.001	NT	NT	NT	NT	NT	NT	NT	NT
Benzene	200	21	0.20	<0.002	NT	NT	NT	NT	NT	NT	NT	NT
Bromobenzene	~	~	~	<0.002	NT	NT	NT	NT	NT	NT	NT	NT
Bromochloromethane	~	~	~	<0.002	NT	NT	NT	NT	NT	NT	NT	NT
Bromodichloromethane	92	9.9	0.11	<0.002	NT	NT	NT	NT	NT	NT	NT	NT
Bromoform	720	78	0.80	<0.002	NT	NT	NT	NT	NT	NT	NT	NT
Bromomethane	1,000	95	2.0	<0.010	NT	NT	NT	NT	NT	NT	NT	NT
2-Butanone (MEK)	1,000	500	80	<0.040	NT	NT	NT	NT	NT	NT	NT	NT
tert-Butyl Alcohol	~	~	~	<0.040	NT	NT	NT	NT	NT	NT	NT	NT
n-Butylbenzene	1,000	500	14	<0.002	NT	NT	NT	NT	NT	NT	NT	NT
sec-Butylbenzene	1,000	500	14	<0.002	NT	NT	NT	NT	NT	NT	NT	NT
tert-Butylbenzene	1,000	500	14	<0.002	NT	NT	NT	NT	NT	NT	NT	NT
tert-Butylethyl Ether	~	~	~	<0.001	NT	NT	NT	NT	NT	NT	NT	NT
Carbon Disulfide	1,000	500	140	<0.006	NT	NT	NT	NT	NT	NT	NT	NT
Carbon Tetrachloride	44	4.7	1.0	<0.002	NT	NT	NT	NT	NT	NT	NT	NT
Chlorobenzene	1,000	500	20	<0.002	NT	NT	NT	NT	NT	NT	NT	NT
Chlorobromomethane	68	7.3	0.10	<0.001	NT	NT	NT	NT	NT	NT	NT	NT
Chloroethane	~	~	~	<0.020	NT	NT	NT	NT	NT	NT	NT	NT
Chloroform	940	100	1.2	<0.004	NT	NT	NT	NT	NT	NT	NT	NT
Chloromethane	440	47	0.54	<0.010	NT	NT	NT	NT	NT	NT	NT	NT
2-Chlorotoluene	~	~	~	<0.002	NT	NT	NT	NT	NT	NT	NT	NT
4-Chlorotoluene	~	~	~	<0.002	NT	NT	NT	NT	NT	NT	NT	NT
1,2-Dibromo-3-Chloropropane	4.1	0.44	~	<0.002	NT	NT	NT	NT	NT	NT	NT	NT
1,2-Dibromoethane	0.067	0.007	~	<0.001	NT	NT	NT	NT	NT	NT	NT	NT
Dibromomethane	~	~	~	<0.002	NT	NT	NT	NT	NT	NT	NT	NT
1,2-Dichlorobenzene	1,000	500	3.1	<0.002	NT	NT	NT	NT	NT	NT	NT	NT
1,3-Dichlorobenzene	1,000	500	120	<0.002	NT	NT	NT	NT	NT	NT	NT	NT
1,4-Dichlorobenzene	240	26	15	<0.002	NT	NT	NT	NT	NT	NT	NT	NT
trans-1,4-Dichloro-2-Butene	~	~	~	<0.004	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorodifluoromethane	~	~	~	<0.020	NT	NT	NT	NT	NT	NT	NT	NT
1,1-Dichloroethane	1,000	500	14	<0.002	NT	NT	NT	NT	NT	NT	NT	NT
1,2-Dichloroethane	63	6.7	0.20	<0.002	NT	NT	NT	NT	NT	NT	NT	NT
1,1-Dichloroethylene	9.5	1.0	1.4	<0.004	NT	NT	NT	NT	NT	NT	NT	NT
cis-1,2-Dichloroethylene	1,000	500	14	<0.002	NT	NT	NT	NT	NT	NT	NT	NT
trans-1,2-Dichloroethylene	1,000	500	20	<0.002	NT	NT	NT	NT	NT	NT	NT	NT
1,2-Dichloropropane	84	9.0	1.0	<0.002	NT	NT	NT	NT	NT	NT	NT	NT
1,3-Dichloropropane	~	~	0.1	<0.001	NT	NT	NT	NT	NT	NT	NT	NT
2,2-Dichloropropane	~	~	~	<0.002	NT	NT	NT	NT	NT	NT	NT	NT
1,1-Dichloropropene	~	~	~	<0.002	NT	NT	NT	NT	NT	NT	NT	NT
cis-1,3-Dichloropropene	32	3.4	0.10	<0.001	NT	NT	NT	NT	NT	NT	NT	NT
trans-1,3-Dichloropropene	32	3.4	0.10	<0.001	NT	NT	NT	NT	NT	NT	NT	NT
Diethyl Ether	~	~	~	<0.020	NT	NT	NT	NT	NT	NT	NT	NT
Diisopropyl Ether	~	~	~	<0.020	NT	NT	NT	NT	NT	NT	NT	NT
1,4-Dioxane	~	~	~	<0.10	NT	NT	NT	NT	NT	NT	NT	NT
Ethyl Benzene	1,000	500	10	<0.002	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorobutadiene	~	~	~	<0.002	NT	NT	NT	NT	NT	NT	NT	NT
2-Hexanone	~	~	~	<0.020	NT	NT	NT	NT	NT	NT	NT	NT
Isopropylbenzene	1,000	500	130	<0.002	NT	NT	NT	NT	NT	NT	NT	NT
p-Isopropyltoluene	1,000	500	14	<0.002	NT	NT	NT	NT	NT	NT	NT	NT
MTBE	1,000	500	20	<0.004	NT	NT	NT	NT	NT	NT	NT	NT
Methylene Chloride	760	82	1.0	<0.020	NT	NT	NT	NT	NT	NT	NT	NT
MIBK	1,000	500	14	<0.020	NT	NT	NT	NT	NT	NT	NT	NT
Naphthalene	2,500	1,000	56	<0.004	NT	NT	NT	NT	NT	NT	NT	NT
n-Propylbenzene	1,000	500	14	<0.002	NT	NT	NT	NT	NT	NT	NT	NT
Styrene	1,000	500	20	<0.002	NT	NT	NT	NT	NT	NT	NT	NT
1,1,1,2-Tetrachloroethane	220	24	0.20	<0.002	NT	NT	NT	NT	NT	NT	NT	NT
1,1,2,2-Tetrachloroethane	29	3.1	0.10	<0.001	NT	NT	NT	NT	NT	NT	NT	NT
Tetrachloroethylene	110	12	1.0	<0.002	NT	NT	NT	NT	NT	NT	NT	NT
Tetrahydrofuran	~	~	~	<0.010	NT	NT	NT	NT	NT	NT	NT	NT
Toluene	1,000	500	67	<0.002	NT	NT	NT	NT	NT	NT	NT	NT
1,2,3-Trichlorobenzene	~	~	~	<0.002	NT	NT	NT	NT	NT	NT	NT	NT
1,2,4-Trichlorobenzene	2,500	680	14	<0.002	NT	NT	NT	NT	NT	NT	NT	NT
1,3,5-Trichlorobenzene	1,000	500	40	<0.002	NT	NT	NT	NT	NT	NT	NT	NT
1,1,1-Trichloroethane	100	11	1.0	<0.002	NT	NT	NT	NT	NT	NT	NT	NT
1,1,2-Trichloroethane	100	11	1.0	<0.002	NT	NT	NT	NT	NT	NT	NT	NT
Trichloroethylene	520	56	1.0	<0.002	NT	NT	NT	NT	NT	NT	NT	NT
Trichlorofluoromethane	1,000	500	260	<0.010	NT	NT	NT	NT	NT	NT	NT	NT
1,2,3-Trichloropropane	~	~	~	<0.002	NT	NT	NT	NT	NT	NT	NT	NT
1,1,2-Trichloro-1,2,2-Trifluoroethane	~	~	~	<0.010	NT	NT	NT	NT	NT	NT	NT	NT
1,2,4-Trimethylbenzene	1,000	500	70	<0.002	NT	NT	NT	NT	NT	NT	NT	NT
1,3,5-Trimethylbenzene	1,000	500	70	<0.002	NT	NT	NT	NT	NT	NT	NT	NT
Vinyl Chloride	3.0	0.32	0.40	<0.010	NT	NT	NT	NT	NT	NT	NT	NT
m + p Xylene	1,000	500	20	<0.004	NT	NT	NT	NT	NT	NT	NT	NT
o-Xylene	1,000	500	20	<0.002	NT	NT	NT	NT	NT	NT	NT	NT

**TABLE 4A
SUMMARY OF SOIL SAMPLE ANALYTICAL DATA
FACTORY H SUPPLEMENTAL INVESTIGATION
MERIDEN, CONNECTICUT
AECOM ENVIRONMENT**

Parameter	RSR DEC			RSR PMC	SAMPLING LOCATION							
	I/C DEC	RES DEC	GB PMC	TRIP BLANK 021709	ME-MW-02 13-14FT	ME-MW-02 4.5-5FT	ME-SB-01 0.5-1.5FT	ME-SB-01 8-9FT	ME-SB-02 1-2FT	ME-SB-02 8-9FT	ME-SB-03 1-2FT	ME-SB-03 7.5-8.5FT
cu (mg/kg)dw icp (mg/kg dry wt)	76,000	2,500	~	NT	NT	NT	NT	NT	NT	NT	NT	NT
Copper	76,000	2,500	~	NT	NT	NT	NT	NT	NT	NT	NT	NT
cyanide-tot sldg (mg/kg dry wt)	41,000	1,400	~	NT	<1.1	<0.81	1.7	2.7	<0.67	<0.89	<0.81	<0.64
Cyanide	41,000	1,400	~	NT	<1.1	<0.81	1.7	2.7	<0.67	<0.89	<0.81	<0.64
etph dry weight (mg/kg dry weight)	2,500	500	2,500	NT	<12	170	620	13	<11	<11	31	<12
Extractable TPH (ETPH)	2,500	500	2,500	NT	<12	170	620	13	<11	<11	31	<12
metals (15pp) icp (mg/kg dry wt)	8,200	27.0	1.20	NT	NT	<4.06	NT	<5.23	NT	NT	NT	NT
Antimony	8,200	27.0	1.20	NT	NT	<4.06	NT	<5.23	NT	NT	NT	NT
Arsenic	10.0	10.0	~	NT	<2.86	14.4	3.16	4.70	3.75	<2.63	6.71	<2.89
Barium	140,000	4,700	~	NT	28.7	66.4	80.5	282	96.3	90.7	224	173
Beryllium	2.00	2.00	~	NT	NT	0.41	NT	0.90	NT	NT	NT	NT
Cadmium	1,000	34.0	~	NT	<0.29	<0.26	0.31	0.37	0.28	<0.27	<0.28	<0.29
Chromium	~	~	~	NT	6.17	5.11	11.5	32.8	14.8	9.85	25.9	18.9
Copper	76,000	2,500	~	NT	NT	202	NT	31.7	NT	NT	NT	NT
Lead	1,000	400	~	NT	4.18	90.9	58.5	31.6	8.21	9.76	33.5	7.96
Mercury	610	20.0	~	NT	<0.014	0.099	0.089	0.105	<0.010	<0.014	0.053	0.022
Nickel	7,500	1,400	~	NT	NT	40.0	NT	13.2	NT	NT	NT	NT
Selenium	10,000	340	0.5	NT	NT	<5.08	NT	<6.54	NT	NT	NT	NT
Silver	10,000	340	~	NT	<0.58	82.2	1.83	<0.66	<0.52	<0.53	2.20	<0.58
Thallium	160	5.40	0.05	NT	NT	<3.05	NT	<3.93	NT	NT	NT	NT
Vanadium	14,000	470	~	NT	NT	12.1	NT	59.8	NT	NT	NT	NT
Zinc	610,000	20,000	~	NT	NT	85.3	NT	77.4	NT	NT	NT	NT
metals-8 slg icp (mg/kg dry wt)	10.0	10.0	~	NT	<2.86	NT	3.16	NT	3.75	<2.63	6.71	<2.89
Arsenic	10.0	10.0	~	NT	<2.86	NT	3.16	NT	3.75	<2.63	6.71	<2.89
Barium	140,000	4,700	~	NT	28.7	66.4	80.5	282	96.3	90.7	224	173
Cadmium	1,000	34.0	~	NT	<0.29	NT	0.31	0.37	0.28	<0.27	<0.28	<0.29
Chromium	~	~	~	NT	6.17	5.11	11.5	32.8	14.8	9.85	25.9	18.9
Lead	1,000	400	~	NT	4.18	90.9	58.5	31.6	8.21	9.76	33.5	7.96
Mercury	610	20.0	~	NT	<0.014	0.099	0.089	0.105	<0.010	<0.014	0.053	0.022
Selenium	10,000	340	0.5	NT	<5.71	NT	<5.30	NT	<5.11	<5.26	<5.52	<5.78
Silver	10,000	340	~	NT	<0.58	NT	1.83	NT	<0.52	<0.53	2.20	<0.58
splp - ag 6020 (ug/L)	~	~	360	NT	NT	21.0	NT	NT	NT	NT	NT	NT
Silver	~	~	360	NT	NT	21.0	NT	NT	NT	NT	NT	NT
splp - as 6020 (ug/L)	~	~	500	NT	NT	<2.00	NT	NT	NT	NT	NT	NT
Arsenic	~	~	500	NT	NT	<2.00	NT	NT	NT	NT	NT	NT
splp - ba 6020 (ug/L)	~	~	10,000	NT	NT	NT	NT	NT	NT	NT	NT	NT
Barium	~	~	10,000	NT	NT	NT	NT	NT	NT	NT	NT	NT
splp - cr 6020 (ug/L)	~	~	500	NT	NT	NT	<100	NT	NT	NT	NT	NT
Chromium	~	~	500	NT	NT	NT	<100	NT	NT	NT	NT	NT
splp - cu 6020 (ug/L)	~	~	13,000	NT	NT	NT	NT	NT	NT	NT	NT	NT
Copper	~	~	13,000	NT	NT	NT	NT	NT	NT	NT	NT	NT
splp - cyanide (mg/l)	~	~	2,000	NT	NT	NT	0.012	<0.010	NT	NT	NT	NT
Cyanide	~	~	2,000	NT	NT	NT	0.012	<0.010	NT	NT	NT	NT
splp - ni 6020 (ug/L)	~	~	1,000	NT	NT	<25.0	NT	NT	NT	NT	NT	NT
Nickel	~	~	1,000	NT	NT	<25.0	NT	NT	NT	NT	NT	NT
splp - pb 6020 (ug/L)	~	~	150	NT	NT	19.2	<5.00	NT	NT	NT	NT	NT
Lead	~	~	150	NT	NT	19.2	<5.00	NT	NT	NT	NT	NT
splp - sb 6020 (ug/L)	~	~	60	NT	NT	<5.00	NT	NT	NT	NT	NT	NT
Antimony	~	~	60	NT	NT	<5.00	NT	NT	NT	NT	NT	NT
splp - se 6020 (ug/L)	~	~	500	NT	NT	NT	NT	NT	NT	NT	NT	NT
Selenium	~	~	500	NT	NT	NT	NT	NT	NT	NT	NT	NT
splp - tl 6020 (ug/L)	~	~	50	NT	NT	<1.00	NT	NT	NT	NT	NT	NT
Thallium	~	~	50	NT	NT	<1.00	NT	NT	NT	NT	NT	NT
splp - v 6020 (ug/L)	~	~	500	NT	NT	<25.0	NT	NT	NT	NT	NT	NT
Vanadium	~	~	500	NT	NT	<25.0	NT	NT	NT	NT	NT	NT
splp mercury (mg/l leachate)	~	~	20	NT	NT	NT	NT	NT	NT	NT	NT	NT
Mercury	~	~	20	NT	NT	NT	NT	NT	NT	NT	NT	NT

TABLE 4A
SUMMARY OF SOIL SAMPLE ANALYTICAL DATA
FACTORY H SUPPLEMENTAL INVESTIGATION
MERIDEN, CONNECTICUT
AECOM ENVIRONMENT

Parameter	RSR DEC		RSR PMC	SAMPLING LOCATION								
	I/C DEC	RES DEC	GB PMC	TRIP BLANK 021709	ME-MW-02 13-14FT	ME-MW-02 4.5-5FT	ME-SB-01 0.5-1.5FT	ME-SB-01 8-9FT	ME-SB-02 1-2FT	ME-SB-02 8-9FT	ME-SB-03 1-2FT	ME-SB-03 7.5-8.5FT
pah - sludge (mg/kg dry wt)												
Acenaphthene	2,500	1,000	84	NT	<0.191	0.200	0.515	<0.218	<0.171	<0.176	<0.184	<0.193
Acenaphthylene	2,500	1,000	84	NT	<0.191	<0.170	0.378	<0.218	<0.171	<0.176	<0.184	<0.193
Anthracene	2,500	1,000	400	NT	<0.191	<0.170	1.95	<0.218	<0.171	<0.176	<0.184	<0.193
Benzo(a)anthracene	7.8	1	1	NT	<0.191	0.778	6.80	<0.218	<0.171	<0.176	0.243	<0.193
Benzo(a)pyrene	1	1	1	NT	<0.191	0.407	5.86	<0.218	<0.171	<0.176	0.197	<0.193
Benzo(b)fluoranthene	7.8	1	1	NT	<0.191	0.478	6.15	<0.218	<0.171	<0.176	0.230	<0.193
Benzo(g,h,i)perylene	2,500	1,000	42	NT	<0.191	0.216	2.01	<0.218	<0.171	<0.176	<0.184	<0.193
Benzo(k)fluoranthene	78	8.40	1	NT	<0.191	<0.170	2.14	<0.218	<0.171	<0.176	<0.184	<0.193
Chrysene	780	84.0	1	NT	<0.191	1.08	6.24	<0.218	<0.171	<0.176	0.264	<0.193
Dibenz(a,h)anthracene	1	1	1	NT	<0.191	<0.170	0.850	<0.218	<0.171	<0.176	<0.184	<0.193
Fluoranthene	2,500	1,000	56	NT	<0.191	0.978	7.91	<0.218	<0.171	<0.176	0.441	<0.193
Fluorene	2,500	1,000	56	NT	<0.191	0.203	0.753	<0.218	<0.171	<0.176	<0.184	<0.193
Indeno(1,2,3-cd)pyrene	7.80	1	1.00	NT	<0.191	0.227	2.76	<0.218	<0.171	<0.176	<0.184	<0.193
2-Methylnaphthalene	2,500	474	9.8	NT	<0.191	0.257	1.05	<0.218	<0.171	<0.176	<0.184	<0.193
Naphthalene	2,500	1,000	56	NT	<0.191	0.867	5.46	1.70	<0.171	0.780	3.93	9.95
Phenanthrene	2,500	1,000	40	NT	<0.191	2.91	6.96	<0.218	<0.171	<0.176	0.356	<0.193
Pyrene	2,500	1,000	40	NT	<0.191	2.74	8.68	0.281	<0.171	<0.176	0.568	<0.193
pah - slp (ug/l)			(GA GWPC x 10)									
Acenaphthylene	~	~	4,200	NT	NT	NT	<0.30	NT	NT	NT	NT	NT
Anthracene	~	~	20,000	NT	NT	NT	0.20	NT	NT	NT	NT	NT
Benzo(a)anthracene	~	~	0.6	NT	NT	NT	0.210	NT	NT	NT	NT	NT
Benzo(a)pyrene	~	~	2	NT	NT	NT	0.200	NT	NT	NT	NT	NT
Benzo(b)fluoranthene	~	~	0.8	NT	NT	NT	0.200	NT	NT	NT	NT	NT
Chrysene	~	~	48	NT	NT	NT	<0.20	NT	NT	NT	NT	NT
Fluoranthene	~	~	2,800	NT	NT	NT	<0.50	NT	NT	NT	NT	NT
Phenanthrene	~	~	4,200	NT	NT	NT	0.56	NT	NT	NT	NT	NT
Pyrene	~	~	2,000	NT	NT	NT	<1.00	NT	NT	NT	NT	NT
pb (mg/kg)dw icp (mg/kg dry wt)												
Lead	1,000	400	~	NT	NT	NT	NT	NT	NT	NT	NT	NT
solids (percent) (%)												
Solids, total	~	~	~	NT	87.7	98.6	94.5	76.5	98.0	95.2	90.7	86.6

Notes:
1. An asterisk (*) following a detection limit indicates that the minimum laboratory reporting limit exceeds one o
2. NT = Not tested.
3. ~ = No Standard available
4. Shaded values exceed the RSR Residential Direct Exposure Criteria (RES DEC) for the parameter.
5. Shaded and bold border values exceed the RSR Industrial/Commercial Direct Exposure Criteria (I/C DEC) to
6. Bolded values exceed the RSR GB Pollutant Mobility Criteria (GB PMC) for the parameter.
7. RSR criteria are in same units as analyte.
8. ND = Not detected above the reporting limit
9. Results are only compared to existing CT RSRs. No exceedances to revised CT RSRs are called out. Revis
A summary of exceedance changes due to the revised RSRs is provided in Table 7.

TABLE 4A
SUMMARY OF SOIL SAMPLE ANALYTICAL DATA
FACTORY H SUPPLEMENTAL INVESTIGATION
MERIDEN, CONNECTICUT
AECOM ENVIRONMENT

Parameter	RSR DEC		RSR PMC	SAMPLE LOCATION				
	I/C DEC	RES DEC	GB PMC	ME-SB-04 0-1FT	ME-SB-04 8-9FT	ME-SB-05 0.5-1.5FT	ME-SB-05 5.5-6FT	TB 021909
Sampling Date				2/19/09	2/19/09	2/19/09	2/19/09	2/19/09
Sample Depth								
Laboratory Report Number				LIMIT-23411	LIMIT-23411	LIMIT-23411	LIMIT-23411	LIMIT-23411
8260 dry weight (mg/kg dry wt)								
Acetone	1,000	500	140	<0.087	<0.094	<0.080	<0.11	NT
Acrylonitrile	11	1.1	0.10	<0.006	<0.006	<0.005	<0.007	NT
tert-Amylmethyl Ether	~	~	~	<0.001	<0.001	<0.001	<0.002	NT
Benzene	200	21	0.20	<0.002	<0.002	<0.002	<0.003	NT
Bromobenzene	~	~	~	<0.002	<0.002	<0.002	<0.003	NT
Bromochloromethane	~	~	~	<0.002	<0.002	<0.002	<0.003	NT
Bromodichloromethane	92	9.9	0.11	<0.002	<0.002	<0.002	<0.003	NT
Bromoform	720	78	0.80	<0.002	<0.002	<0.002	<0.003	NT
Bromomethane	1,000	95	2.0	<0.009	<0.010	<0.008	<0.011	NT
2-Butanone (MEK)	1,000	500	80	<0.035	<0.038	<0.032	<0.042	NT
tert-Butyl Alcohol	~	~	~	<0.035	<0.038	<0.032	<0.042	NT
n-Butylbenzene	1,000	500	14	<0.002	<0.002	<0.002	<0.003	NT
sec-Butylbenzene	1,000	500	14	<0.002	<0.002	<0.002	<0.003	NT
tert-Butylbenzene	1,000	500	14	<0.002	<0.002	<0.002	<0.003	NT
tert-Butylmethyl Ether	~	~	~	<0.001	<0.001	<0.001	<0.002	NT
Carbon Disulfide	1,000	500	140	<0.006	<0.006	<0.005	<0.007	NT
Carbon Tetrachloride	44	4.7	1.0	<0.002	<0.002	<0.002	<0.003	NT
Chlorobenzene	1,000	500	20	<0.002	<0.002	<0.002	<0.003	NT
Chlorodibromomethane	68	7.3	0.10	<0.001	<0.001	<0.001	<0.002	NT
Chloroethane	~	~	~	<0.018	<0.019	<0.016	<0.021	NT
Chloroform	940	100	1.2	<0.004	<0.004	<0.004	<0.005	NT
Chloromethane	440	47	0.54	<0.009	<0.010	<0.008	<0.011	NT
2-Chlorotoluene	~	~	~	<0.002	<0.002	<0.002	<0.003	NT
4-Chlorotoluene	~	~	~	<0.002	<0.002	<0.002	<0.003	NT
1,2-Dibromo-3-Chloropropane	4.1	0.44	~	<0.002	<0.002	<0.002	<0.003	NT
1,2-Dibromoethane	0.067	0.007	~	<0.001	<0.001	<0.001	<0.002	NT
Dibromomethane	~	~	~	<0.002	<0.002	<0.002	<0.003	NT
1,2-Dichlorobenzene	1,000	500	3.1	<0.002	<0.002	<0.002	<0.003	NT
1,3-Dichlorobenzene	1,000	500	120	<0.002	<0.002	<0.002	<0.003	NT
1,4-Dichlorobenzene	240	26	15	<0.002	<0.002	<0.002	<0.003	NT
trans-1,4-Dichloro-2-Butene	~	~	~	<0.004	<0.004	<0.004	<0.005	NT
Dichlorodifluoromethane	~	~	~	<0.018	<0.019	<0.016	<0.021	NT
1,1-Dichloroethane	1,000	500	14	<0.002	<0.002	<0.002	<0.003	NT
1,2-Dichloroethane	63	6.7	0.20	<0.002	<0.002	<0.002	<0.003	NT
1,1-Dichloroethylene	9.5	1.0	1.4	<0.004	<0.004	<0.004	<0.005	NT
cis-1,2-Dichloroethylene	1,000	500	14	<0.002	<0.002	<0.002	<0.003	NT
trans-1,2-Dichloroethylene	1,000	500	20	<0.002	<0.002	<0.002	<0.003	NT
1,2-Dichloropropane	84	9.0	1.0	<0.002	<0.002	<0.002	<0.003	NT
1,3-Dichloropropane	~	~	0.1	<0.001	<0.001	<0.001	<0.002	NT
2,2-Dichloropropane	~	~	~	<0.002	<0.002	<0.002	<0.003	NT
1,1-Dichloropropene	~	~	~	<0.002	<0.002	<0.002	<0.003	NT
cis-1,3-Dichloropropene	32	3.4	0.10	<0.001	<0.001	<0.001	<0.002	NT
trans-1,3-Dichloropropene	32	3.4	0.10	<0.001	<0.001	<0.001	<0.002	NT
Diethyl Ether	~	~	~	<0.018	<0.019	<0.016	<0.021	NT
Diisopropyl Ether	~	~	~	<0.001	<0.001	<0.001	<0.002	NT
1,4-Dioxane	~	~	~	<0.087	<0.094	<0.080	<0.11	NT
Ethyl Benzene	1,000	500	10	<0.002	<0.002	<0.002	<0.003	NT
Hexachlorobutadiene	~	~	~	<0.002	<0.002	<0.002	<0.003	NT
2-Hexanone	~	~	~	<0.018	<0.019	<0.016	<0.021	NT
Isopropylbenzene	1,000	500	130	<0.002	<0.002	<0.002	<0.003	NT
p-Isopropyltoluene	1,000	500	14	<0.002	<0.002	<0.002	<0.003	NT
MTBE	1,000	500	20	<0.004	<0.004	<0.004	<0.005	NT
Methylene Chloride	760	82	1.0	<0.018	<0.019	<0.016	<0.021	NT
MIBK	1,000	500	14	<0.018	<0.019	<0.016	<0.021	NT
Naphthalene	2,500	1,000	56	<0.004	<0.004	<0.004	<0.005	NT
n-Propylbenzene	1,000	500	14	<0.002	<0.002	<0.002	<0.003	NT
Styrene	1,000	500	20	<0.002	<0.002	<0.002	<0.003	NT
1,1,1,2-Tetrachloroethane	220	24	0.20	<0.002	<0.002	<0.002	<0.003	NT
1,1,2,2-Tetrachloroethane	29	3.1	0.10	<0.001	<0.001	<0.001	<0.002	NT
Tetrachloroethylene	110	12	~	<0.002	<0.002	<0.002	<0.003	NT
Tetrahydrofuran	~	~	~	<0.009	<0.010	<0.008	<0.011	NT
Toluene	1,000	500	67	<0.002	<0.002	<0.002	<0.003	NT
1,2,3-Trichlorobenzene	~	~	~	<0.002	<0.002	<0.002	<0.003	NT
1,2,4-Trichlorobenzene	2,500	680	14	<0.002	<0.002	<0.002	<0.003	NT
1,3,5-Trichlorobenzene	~	~	~	<0.002	<0.002	<0.002	<0.003	NT
1,1,1-Trichloroethane	1,000	500	40	<0.002	<0.002	<0.002	<0.003	NT
1,1,2-Trichloroethane	100	11	1.0	<0.002	<0.002	<0.002	<0.003	NT
Trichloroethylene	520	56	~	<0.002	<0.002	<0.002	<0.003	NT
Trichlorofluoromethane	1,000	500	260	<0.009	<0.010	<0.008	<0.011	NT
1,2,3-Trichloropropane	~	~	~	<0.002	<0.002	<0.002	<0.003	NT
1,1,2-Trichloro-1,2,2-Trifluoroethane	~	~	~	<0.009	<0.010	<0.008	<0.011	NT
1,2,4-Trimethylbenzene	1,000	500	70	<0.002	<0.002	<0.002	<0.003	NT
1,3,5-Trimethylbenzene	1,000	500	70	<0.002	<0.002	<0.002	<0.003	NT
Vinyl Chloride	3.0	0.32	0.40	<0.009	<0.010	<0.008	<0.011	NT
m + p Xylene	1,000	500	20	<0.004	<0.004	<0.004	<0.005	NT
p-Xylene	1,000	500	20	<0.002	<0.002	<0.002	<0.003	NT

TABLE 4A
SUMMARY OF SOIL SAMPLE ANALYTICAL DATA
FACTORY H SUPPLEMENTAL INVESTIGATION
MERIDEN, CONNECTICUT
AECOM ENVIRONMENT

Parameter	RSR DEC		RSR PMC	SAMPLE LOCATION				
	I/C DEC	RES DEC	GB PMC	ME-SB-04 0-1FT	ME-SB-04 8-9FT	ME-SB-05 0.5-1.5FT	ME-SB-05 5.5-6FT	TB 021909
8260 solid (mg/kg)								
Acetone	1,000	500	140	NT	NT	NT	NT	<0.10
Acrylonitrile	11	1.1	0.10	NT	NT	NT	NT	<0.006
tert-Amylmethyl Ether	~	~	~	NT	NT	NT	NT	<0.001
Benzene	200	21	0.20	NT	NT	NT	NT	<0.002
Bromobenzene	~	~	~	NT	NT	NT	NT	<0.002
Bromochloromethane	~	~	~	NT	NT	NT	NT	<0.002
Bromodichloromethane	92	9.9	0.11	NT	NT	NT	NT	<0.002
Bromoform	720	78	0.80	NT	NT	NT	NT	<0.002
Bromomethane	1,000	95	2.0	NT	NT	NT	NT	<0.010
2-Butanone (MEK)	1,000	500	80	NT	NT	NT	NT	<0.040
tert-Butyl Alcohol	~	~	~	NT	NT	NT	NT	<0.040
n-Butylbenzene	1,000	500	14	NT	NT	NT	NT	<0.002
sec-Butylbenzene	1,000	500	14	NT	NT	NT	NT	<0.002
tert-Butylbenzene	1,000	500	14	NT	NT	NT	NT	<0.002
tert-Butylethyl Ether	~	~	~	NT	NT	NT	NT	<0.001
Carbon Disulfide	1,000	500	140	NT	NT	NT	NT	<0.006
Carbon Tetrachloride	44	4.7	1.0	NT	NT	NT	NT	<0.002
Chlorobenzene	1,000	500	20	NT	NT	NT	NT	<0.002
Chlorodibromomethane	68	7.3	0.10	NT	NT	NT	NT	<0.001
Chloroethane	~	~	~	NT	NT	NT	NT	<0.020
Chloroform	940	100	1.2	NT	NT	NT	NT	<0.004
Chloromethane	440	47	0.54	NT	NT	NT	NT	<0.010
2-Chlorotoluene	~	~	~	NT	NT	NT	NT	<0.002
4-Chlorotoluene	~	~	~	NT	NT	NT	NT	<0.002
1,2-Dibromo-3-Chloropropane	4.1	0.44	~	NT	NT	NT	NT	<0.002
1,2-Dibromoethane	0.067	0.007	~	NT	NT	NT	NT	<0.001
Dibromomethane	~	~	~	NT	NT	NT	NT	<0.002
1,2-Dichlorobenzene	1,000	500	3.1	NT	NT	NT	NT	<0.002
1,3-Dichlorobenzene	1,000	500	120	NT	NT	NT	NT	<0.002
1,4-Dichlorobenzene	240	26	15	NT	NT	NT	NT	<0.002
trans-1,4-Dichloro-2-Butene	~	~	~	NT	NT	NT	NT	<0.004
Dichlorodifluoromethane	~	~	~	NT	NT	NT	NT	<0.020
1,1-Dichloroethane	1,000	500	14	NT	NT	NT	NT	<0.002
1,2-Dichloroethane	63	6.7	0.20	NT	NT	NT	NT	<0.002
1,1-Dichloroethylene	9.5	1.0	1.4	NT	NT	NT	NT	<0.004
cis-1,2-Dichloroethylene	1,000	500	14	NT	NT	NT	NT	<0.002
trans-1,2-Dichloroethylene	1,000	500	20	NT	NT	NT	NT	<0.002
1,2-Dichloropropane	84	9.0	1.0	NT	NT	NT	NT	<0.002
1,3-Dichloropropane	~	~	0.1	NT	NT	NT	NT	<0.001
2,2-Dichloropropane	~	~	~	NT	NT	NT	NT	<0.002
1,1-Dichloropropene	~	~	~	NT	NT	NT	NT	<0.002
cis-1,3-Dichloropropene	32	3.4	0.10	NT	NT	NT	NT	<0.001
trans-1,3-Dichloropropene	32	3.4	0.10	NT	NT	NT	NT	<0.001
Diethyl Ether	~	~	~	NT	NT	NT	NT	<0.020
Diisopropyl Ether	~	~	~	NT	NT	NT	NT	<0.020
1,4-Dioxane	~	~	~	NT	NT	NT	NT	<0.10
Ethyl Benzene	1,000	500	10	NT	NT	NT	NT	<0.002
Hexachlorobutadiene	~	~	~	NT	NT	NT	NT	<0.002
2-Hexanone	~	~	~	NT	NT	NT	NT	<0.020
Isopropylbenzene	1,000	500	130	NT	NT	NT	NT	<0.002
p-Isopropyltoluene	1,000	500	14	NT	NT	NT	NT	<0.002
MTBE	1,000	500	20	NT	NT	NT	NT	<0.004
Methylene Chloride	760	82	1.0	NT	NT	NT	NT	<0.020
MIBK	1,000	500	14	NT	NT	NT	NT	<0.020
Naphthalene	2,500	1,000	56	NT	NT	NT	NT	<0.004
n-Propylbenzene	1,000	500	14	NT	NT	NT	NT	<0.002
Styrene	1,000	500	20	NT	NT	NT	NT	<0.002
1,1,1,2-Tetrachloroethane	220	24	0.20	NT	NT	NT	NT	<0.002
1,1,1,2,2-Tetrachloroethane	29	3.1	0.10	NT	NT	NT	NT	<0.001
Tetrachloroethylene	110	12	1.0	NT	NT	NT	NT	<0.002
Tetrahydrofuran	~	~	~	NT	NT	NT	NT	<0.010
Toluene	1,000	500	67	NT	NT	NT	NT	<0.002
1,2,3-Trichlorobenzene	~	~	~	NT	NT	NT	NT	<0.002
1,2,4-Trichlorobenzene	2,500	680	14	NT	NT	NT	NT	<0.002
1,3,5-Trichlorobenzene	~	~	~	NT	NT	NT	NT	<0.002
1,1,1-Trichloroethane	1,000	500	40	NT	NT	NT	NT	<0.002
1,1,1,2-Trichloroethane	100	11	1.0	NT	NT	NT	NT	<0.002
Trichloroethylene	520	56	1.0	NT	NT	NT	NT	<0.002
Trichlorofluoromethane	1,000	500	260	NT	NT	NT	NT	<0.010
1,1,2,3-Trichloropropane	~	~	~	NT	NT	NT	NT	<0.002
1,1,2-Trichloro-1,2,2-Trifluoroethane	~	~	~	NT	NT	NT	NT	<0.010
1,2,4-Trimethylbenzene	1,000	500	70	NT	NT	NT	NT	<0.002
1,3,5-Trimethylbenzene	1,000	500	70	NT	NT	NT	NT	<0.002
Vinyl Chloride	3.0	0.32	0.40	NT	NT	NT	NT	<0.010
m + p Xylene	1,000	500	20	NT	NT	NT	NT	<0.004
o-Xylene	1,000	500	20	NT	NT	NT	NT	<0.002

TABLE 4A
SUMMARY OF SOIL SAMPLE ANALYTICAL DATA
FACTORY H SUPPLEMENTAL INVESTIGATION
MERIDEN, CONNECTICUT
AECOM ENVIRONMENT

Parameter	RSR DEC		RSR PMC	SAMPLE LOCATION				
	I/C DEC	RES DEC	GB PMC	ME-SB-04 0-1FT	ME-SB-04 8-9FT	ME-SB-05 0.5-1.5FT	ME-SB-05 5.5-6FT	TB 021909
cu (mg/kg)dw icp (mg/kg dry wt)								
Copper	76,000	2,500	~	NT	NT	NT	NT	NT
cyanide-tot sldg (mg/kg dry wt)								
Cyanide	41,000	1,400	~	<0.90	<0.94	<0.82	<0.98	NT
etph dry weight (mg/kg dry weight)								
Extractable TPH (ETPH)	2,500	500	2,500	<11	<12	55	73	NT
metals (15pp)scip (mg/kg dry wt)								
Antimony	8,200	27.0	1.20	NT	NT	<4.08	NT	NT
Arsenic	10.0	10.0	~	5.36	3.08	4.80	7.10	NT
Barium	140,000	4,700	~	249	105	178	256	NT
Beryllium	2.00	2.00	~	NT	NT	0.53	NT	NT
Cadmium	1,000	34.0	~	0.35	<0.28	0.26	0.55	NT
Chromium	~	~	~	19.8	16.4	19.7	26.3	NT
Copper	76,000	2,500	~	NT	NT	350	NT	NT
Lead	1,000	400	~	12.7	6.28	129	454	NT
Mercury	610	20.0	~	0.010	<0.012	0.307	2.07	NT
Nickel	7,500	1,400	~	NT	NT	72.7	NT	NT
Selenium	10,000	340	0.5	NT	NT	<5.10	NT	NT
Silver	10,000	340	~	<0.52	<0.56	4.47	9.77	NT
Thallium	160	5.40	0.05	NT	NT	<3.06	NT	NT
Vanadium	14,000	470	~	NT	NT	39.1	NT	NT
Zinc	610,000	20,000	~	NT	NT	144	NT	NT
metals-8 slg icp (mg/kg dry wt)								
Arsenic	10.0	10.0	~	5.36	3.08	NT	7.10	NT
Barium	140,000	4,700	~	249	105	NT	256	NT
Cadmium	1,000	34.0	~	0.35	<0.28	NT	0.55	NT
Chromium	~	~	~	19.8	16.4	NT	26.3	NT
Lead	1,000	400	~	12.7	6.28	NT	454	NT
Mercury	610	20.0	~	0.010	<0.012	NT	2.07	NT
Selenium	10,000	340	0.5	<5.17	<5.58	NT	<7.08	NT
Silver	10,000	340	~	<0.52	<0.56	NT	9.77	NT
splp - ag 6020 (ug/L)								
Silver	~	~	360	NT	NT	NT	<2.50	NT
splp - as 6020 (ug/L)								
Arsenic	~	~	500	NT	NT	NT	NT	NT
splp - ba 6020 (ug/L)								
Barium	~	~	10,000	NT	NT	NT	<250	NT
splp - cr 6020 (ug/L)								
Chromium	~	~	500	NT	NT	NT	<50.0	NT
splp - cu 6020 (ug/L)								
Copper	~	~	13,000	NT	NT	NT	NT	NT
splp - cyanide (mg/l)								
Cyanide	~	~	2,000	NT	NT	NT	NT	NT
splp - ni 6020 (ug/L)								
Nickel	~	~	1,000	NT	NT	NT	NT	NT
splp - pb 6020 (ug/L)								
Lead	~	~	150	NT	NT	NT	21.6	NT
splp - sb 6020 (ug/L)								
Antimony	~	~	60	NT	NT	NT	NT	NT
splp - se 6020 (ug/L)								
Selenium	~	~	500	NT	NT	NT	NT	NT
splp - tl 6020 (ug/L)								
Thallium	~	~	50	NT	NT	NT	NT	NT
splp - v 6020 (ug/L)								
Vanadium	~	~	500	NT	NT	NT	NT	NT
splp mercury (mg/l leachate)								
Mercury	~	~	20	NT	NT	NT	<0.00010	NT

**TABLE 4A
SUMMARY OF SOIL SAMPLE ANALYTICAL DATA
FACTORY H SUPPLEMENTAL INVESTIGATION
MERIDEN, CONNECTICUT
AECOM ENVIRONMENT**

Parameter	RSR DEC		RSR PMC	SAMPLE LOCATION				
	I/C DEC	RES DEC	GB PMC	ME-SB-04 0-1FT	ME-SB-04 8-9FT	ME-SB-05 0.5-1.5FT	ME-SB-05 5.5-6FT	TB 021909
pah - sludge (mg/kg dry wt)								
Acenaphthene	2,500	1,000	84	<0.173	<0.186	<0.170	<0.236	NT
Acenaphthylene	2,500	1,000	84	<0.173	<0.186	<0.170	<0.236	NT
Anthracene	2,500	1,000	400	<0.173	<0.186	<0.170	<0.236	NT
Benzo(a)anthracene	7.8	1	1	<0.173	<0.186	<0.170	<0.236	NT
Benzo(a)pyrene	1	1	1	<0.173	<0.186	<0.170	<0.236	NT
Benzo(b)fluoranthene	7.8	1	1	<0.173	<0.186	<0.170	<0.236	NT
Benzo(g,h,i)perylene	2,500	1,000	42	<0.173	<0.186	<0.170	<0.236	NT
Benzo(k)fluoranthene	78	8.40	1	<0.173	<0.186	<0.170	<0.236	NT
Chrysene	780	84.0	1	<0.173	<0.186	0.179	<0.236	NT
Dibenz(a,h)anthracene	1	1	1	<0.173	<0.186	<0.170	<0.236	NT
Fluoranthene	2,500	1,000	56	<0.173	<0.186	0.177	<0.236	NT
Fluorene	2,500	1,000	56	<0.173	<0.186	<0.170	<0.236	NT
Indeno(1,2,3-cd)pyrene	7.80	1	1.00	<0.173	<0.186	<0.170	<0.236	NT
2-Methylnaphthalene	2,500	474	9.8	<0.173	<0.186	<0.170	<0.236	NT
Naphthalene	2,500	1,000	56	<0.173	1.23	1.28	<0.236	NT
Phenanthrene	2,500	1,000	40	<0.173	<0.186	<0.170	<0.236	NT
Pyrene	2,500	1,000	40	<0.173	<0.186	0.302	0.322	NT
pah - slp (ug/l)			(GA GWPC x 10)					
Acenaphthylene	~	~	4,200	NT	NT	NT	NT	NT
Anthracene	~	~	20,000	NT	NT	NT	NT	NT
Benzo(a)anthracene	~	~	0.6	NT	NT	NT	NT	NT
Benzo(a)pyrene	~	~	2	NT	NT	NT	NT	NT
Benzo(b)fluoranthene	~	~	0.8	NT	NT	NT	NT	NT
Chrysene	~	~	48	NT	NT	NT	NT	NT
Fluoranthene	~	~	2,800	NT	NT	NT	NT	NT
Phenanthrene	~	~	4,200	NT	NT	NT	NT	NT
Pyrene	~	~	2,000	NT	NT	NT	NT	NT
pb (mg/kg)dw icp (mg/kg dry wt)								
Lead	1,000	400	~	NT	NT	NT	NT	NT
solids (percent) (%)								
Solids, total	~	~	~	96.8	89.7	98.2	70.7	NT

- Notes:
1. An asterisk (*) following a detection limit indicates that the minimum laboratory reporting limit exceeds one o
 2. NT = Not tested.
 3. ~ = No Standard available
 4. Shaded values exceed the RSR Residential Direct Exposure Criteria (RES DEC) for the parameter.
 5. Shaded and bold border values exceed the RSR Industrial/Commercial Direct Exposure Criteria (I/C DEC) fo
 6. Bolded values exceed the RSR GB Pollutant Mobility Criteria (GB PMC) for the parameter.
 7. RSR criteria are in same units as analyte.
 8. ND = Not detected above the reporting limit.
 9. Results are only compared to existing CT RSRs. No exceedances to revised CT RSRs are called out. Revis
- A summary of exceedance changes due to the revised RSRs is provided in Table 7.

TABLE 4B
SUMMARY OF SOIL SAMPLE ANALYTICAL DATA
FACTORY H SUPPLEMENTAL INVESTIGATION
MERRIDEN, CONNECTICUT
AECOM ENVIRONMENT

Parameter	RSR DEC			RSR PMC			SAMPLING LOCATION										TRIP BLANK	
	I/C DEC	RES DEC	GA PMC	ME-SB-08 2-3FT	ME-SB-08 5-6FT	ME-SB-09 3-4FT	ME-SB-09 3-4FT DUP	ME-SB-09 8-9FT	ME-SB-10 1-2FT	ME-SB-10 13-14FT	ME-SB-11 12-13FT	ME-SB-11 3-4FT	ME-SB-11 3-4FT DUP	ME-SB-12 3-4FT	ME-SB-12 6.5-7.5FT	ME-SB-13 3-4FT		ME-SB-13 8-9FT
Sampling Date				3/31/09	3/31/09	3/31/09	3/31/09	3/31/09	3/31/09	3/31/09	3/31/09	3/31/09	3/31/09	3/31/09	3/31/09	3/31/09	3/31/09	3/31/09
Sample Depth																		
Laboratory Report Number				LIMIT-24388	LIMIT-24388	LIMIT-24388	LIMIT-24388	LIMIT-24388	LIMIT-24388	LIMIT-24388	LIMIT-24388	LIMIT-24388	LIMIT-24388	LIMIT-24388	LIMIT-24388	LIMIT-24388	LIMIT-24388	LIMIT-24388
6082 dry 3540 (mg/kg dry wt)																		
PCB 1016	10.0	1.00	~	<0.114	NT	<0.120	<0.120	NT	<0.115	NT	NT	<0.126	<0.129	<0.122	NT	<0.121	NT	NT
PCB-1221	10.0	1.00	~	<0.114	NT	<0.120	<0.120	NT	<0.115	NT	NT	<0.126	<0.129	<0.122	NT	<0.121	NT	NT
PCB-1232	10.0	1.00	~	<0.114	NT	<0.120	<0.120	NT	<0.115	NT	NT	<0.126	<0.129	<0.122	NT	<0.121	NT	NT
PCB-1242	10.0	1.00	~	<0.114	NT	<0.120	<0.120	NT	<0.115	NT	NT	<0.126	<0.129	<0.122	NT	<0.121	NT	NT
PCB-1248	10.0	1.00	~	<0.114	NT	<0.120	<0.120	NT	<0.115	NT	NT	<0.126	<0.129	<0.122	NT	<0.121	NT	NT
PCB-1254	10.0	1.00	~	<0.114	NT	<0.120	<0.120	NT	<0.115	NT	NT	<0.126	<0.129	<0.122	NT	<0.121	NT	NT
PCB-1260	10.0	1.00	~	<0.114	NT	<0.120	<0.120	NT	<0.115	NT	NT	<0.126	<0.129	<0.122	NT	<0.121	NT	NT
PCB 1262	10.0	1.00	~	<0.114	NT	<0.120	<0.120	NT	<0.115	NT	NT	<0.126	<0.129	<0.122	NT	<0.121	NT	NT
PCB 1268	10.0	1.00	~	<0.114	NT	<0.120	<0.120	NT	<0.115	NT	NT	<0.126	<0.129	<0.122	NT	<0.121	NT	NT
8260 dry weight (mg/kg dry wt)																		
Acetone	1,000	500	14	<0.073	<0.088	<0.075	<0.078	<0.076	<0.085	<0.074	<0.062	<0.081	<0.096	<0.081	<0.11	<0.081	<0.066	NT
Acrylonitrile	11	1.1	0.010	<0.008	<0.009	<0.008	<0.008	<0.008	<0.009	<0.008	<0.007	<0.009	<0.010	<0.009	<0.011*	<0.009	<0.007	NT
tert-Amyl methyl Ether	~	~	~	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	NT
Benzene	200	21	0.020	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.003	<0.002	<0.002	NT
Bromobenzene	~	~	~	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.003	<0.002	<0.002	NT
Bromochloromethane	~	~	~	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.003	<0.002	<0.002	NT
Bromodichloromethane	92	9.9	0.011	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.003	<0.002	<0.002	NT
Bromofom	720	78	0.080	<0.008	<0.009	<0.008	<0.008	<0.008	<0.009	<0.008	<0.007	<0.009	<0.010	<0.009	<0.011	<0.009	<0.007	NT
Bromomethane	1,000	95	0.20	<0.008	<0.009	<0.008	<0.008	<0.008	<0.009	<0.008	<0.007	<0.009	<0.010	<0.009	<0.011	<0.009	<0.007	NT
2-Butanone (MEK)	1,000	500	8.0	<0.015	<0.018	<0.015	<0.016	<0.016	<0.017	<0.015	<0.015	<0.017	<0.020	<0.017	<0.021	<0.017	<0.014	NT
tert-Butyl Alcohol	~	~	~	<0.030	<0.036	<0.030	<0.032	<0.034	<0.034	<0.033	<0.025	<0.033	<0.039	<0.033	<0.041	<0.033	<0.027	NT
n-Butylbenzene	1,000	500	1.4	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.003	<0.002	<0.002	NT
sec-Butylbenzene	1,000	500	1.4	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.003	<0.002	<0.002	NT
tert-Butylbenzene	1,000	500	1.4	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.003	<0.002	<0.002	NT
tert-Butylethyl Ether	~	~	~	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	NT
Carbon Disulfide	1,000	500	14	<0.005	<0.006	<0.005	<0.005	<0.005	<0.006	<0.005	<0.004	<0.005	<0.006	<0.005	<0.007	<0.005	<0.004	NT
Carbon Tetrachloride	44	4.7	0.10	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.003	<0.002	<0.002	NT
Chlorobenzene	1,000	500	2.0	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.003	<0.002	<0.002	NT
Chlorodibromomethane	68	7.3	0.010	<0.008	<0.009	<0.008	<0.008	<0.008	<0.009	<0.008	<0.007	<0.009	<0.010	<0.009	<0.011*	<0.009	<0.007	NT
Chloroethane	~	~	~	<0.015	<0.018	<0.015	<0.016	<0.016	<0.017	<0.015	<0.015	<0.017	<0.020	<0.017	<0.021	<0.017	<0.014	NT
Chloroform	940	100	0.12	<0.003	<0.004	<0.003	<0.004	<0.004	<0.004	<0.003	<0.003	<0.004	<0.004	<0.004	<0.005	<0.004	<0.003	NT
Chloromethane	440	47	0.054	<0.008	<0.009	<0.008	<0.008	<0.008	<0.009	<0.008	<0.007	<0.009	<0.010	<0.009	<0.011	<0.009	<0.007	NT
2-Chlorotoluene	~	~	~	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.003	<0.002	<0.002	NT
4-Chlorotoluene	~	~	~	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.003	<0.002	<0.002	NT
1,2-Dibromo-3-Chloropropane	4.1	0.44	~	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.003	<0.002	<0.002	NT
1,2-Dibromoethane	0.067	0.007	0.010	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	NT
Dibromomethane	~	~	~	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.003	<0.002	<0.002	NT
1,2-Dichlorobenzene	1,000	500	3.1	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.003	<0.002	<0.002	NT
1,3-Dichlorobenzene	1,000	500	12	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.003	<0.002	<0.002	NT
1,4-Dichlorobenzene	240	26	1.5	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.003	<0.002	<0.002	NT
trans-1,4-Dichloro-2-Butene	~	~	~	<0.003	<0.004	<0.003	<0.004	<0.004	<0.004	<0.003	<0.004	<0.004	<0.004	<0.004	<0.005	<0.004	<0.003	NT
Dichlorodifluoromethane	~	~	~	<0.015	<0.018	<0.015	<0.016	<0.016	<0.017	<0.015	<0.013	<0.017	<0.020	<0.017	<0.021	<0.017	<0.014	NT
1,1-Dichloroethane	1,000	500	1.4	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.003	<0.002	<0.002	NT
1,2-Dichloroethane	63	6.7	0.020	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.003	<0.002	<0.002	NT
1,1-Dichloroethylene	9.5	1.0	0.14	<0.003	<0.004	<0.003	<0.004	<0.004	<0.004	<0.003	<0.003	<0.004	<0.004	<0.004	<0.005	<0.004	<0.003	NT
cis-1,2-Dichloroethylene	1,000	500	1.4	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.003	<0.002	<0.002	NT
trans-1,2-Dichloroethylene	1,000	500	2.0	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.003	<0.002	<0.002	NT
1,2-Dichloropropane	84	9.0	0.10	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.003	<0.002	<0.002	NT
1,3-Dichloropropane	~	~	~	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	NT
2,2-Dichloropropane	~	~	~	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.003	<0.002	<0.002	NT
1,1-Dichloropropene	~	~	~	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.003	<0.002	<0.002	NT
cis-1,3-Dichloropropene	32	3.4	0.010	<0.008	<0.009	<0.008	<0.008	<0.008	<0.009	<0.008	<0.007	<0.009	<0.010	<0.009	<0.011*	<0.009	<0.007	NT
trans-1,3-Dichloropropene	32	3.4	0.010	<0.008	<0.009	<0.008	<0.008	<0.008	<0.009	<0.008	<0.007	<0.009	<0.010	<0.009	<0.011*	<0.009	<0.007	NT
Diethyl Ether	~	~	~	<0.015	<0.018	<0.015	<0.016	<0.016	<0.017	<0.015	<0.013							

TABLE 4B
SUMMARY OF SOIL SAMPLE ANALYTICAL DATA
FACTORY H SUPPLEMENTAL INVESTIGATION
MERRIDEN, CONNECTICUT
AECOM ENVIRONMENT

Parameter	RSR DEC			RSR PMC			SAMPLING LOCATION												
	I/C DEC	RES DEC	GA PMC	ME-SB-08 2-3FT	ME-SB-08 5-6FT	ME-SB-09 3-4FT	ME-SB-09 3-4FT DUP	ME-SB-09 8-9FT	ME-SB-10 1-2FT	ME-SB-10 13-14FT	ME-SB-11 12-13FT	ME-SB-11 3-4FT	ME-SB-11 3-4FT DUP	ME-SB-12 3-4FT	ME-SB-12 6.5-7.5FT	ME-SB-13 3-4FT	ME-SB-13 8-9FT	TRIP BLANK	
8260 solid (mg/kg)																			
Acetone	1,000	500	14	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.10	
Acrylonitrile	11	1.1	0.010	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.010	
tert-Amyl methyl Ether	~	~	~	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	
Benzene	200	21	0.020	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	
Bromobenzene	~	~	~	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	
Bromochloromethane	~	~	~	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	
Bromodichloromethane	92	9.9	0.011	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	
Bromoform	720	78	0.080	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.010	
Bromomethane	1,000	95	0.20	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.010	
2-Butanone (MEK)	1,000	500	8.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.040	
tert-Butyl Alcohol	~	~	~	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.040	
n-Butylbenzene	1,000	500	1.4	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	
sec-Butylbenzene	1,000	500	1.4	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	
tert-Butylbenzene	1,000	500	1.4	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	
tert-Butylethyl Ether	~	~	~	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	
Carbon Disulfide	1,000	500	14	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.006	
Carbon Tetrachloride	44	4.7	0.10	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	
Chlorobenzene	1,000	500	2.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	
Chlorodibromomethane	68	7.3	0.010	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.010	
Chloroethane	~	~	~	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.020	
Chloroform	940	100	0.12	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.004	
Chloromethane	440	47	0.054	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.010	
2-Chlorotoluene	~	~	~	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	
4-Chlorotoluene	~	~	~	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	
1,2-Dibromo-3-Chloropropane	4.1	0.44	~	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	
1,2-Dibromoethane	0.067	0.007	0.010	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	
Dibromomethane	~	~	~	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	
1,2-Dichlorobenzene	1,000	500	3.1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	
1,3-Dichlorobenzene	1,000	500	12	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	
1,4-Dichlorobenzene	240	26	1.5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	
trans-1,4-Dichloro-2-Butene	~	~	~	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.004	
Dichlorodifluoromethane	~	~	~	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.020	
1,1-Dichloroethane	1,000	500	1.4	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	
1,2-Dichloroethane	63	6.7	0.020	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	
1,1-Dichloroethylene	9.5	1.0	0.14	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.004	
cis-1,2-Dichloroethylene	1,000	500	1.4	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	
trans-1,2-Dichloroethylene	1,000	500	2.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	
1,2-Dichloropropane	84	9.0	0.10	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	
1,3-Dichloropropane	~	~	~	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	
2,2-Dichloropropane	~	~	~	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	
1,1-Dichloropropene	~	~	~	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	
cis-1,3-Dichloropropene	32	3.4	0.010	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.010	
trans-1,3-Dichloropropene	32	3.4	0.010	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.010	
Diethyl Ether	~	~	~	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.020	
Diisopropyl Ether	~	~	~	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.020	
1,4-Dioxane	~	~	~	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.10	
Ethyl Benzene	1,000	500	10	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	
Hexachlorobutadiene	~	~	~	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	
2-Hexanone	~	~	~	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.020	
Isopropylbenzene	1,000	500	0.60	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	
p-Isopropyltoluene	1,000	500	1.4	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	
MTBE	1,000	500	2.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.004	
Methylene Chloride	780	82	0.10	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.020	
MIBK	1,000	500	7.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.020	
Naphthalene	2,500	1,000	5.6	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.010	
n-Propylbenzene	1,000	500	1.4	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	
Styrene	1,000	500	2.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.010	
1,1,1,2-Tetrachloroethane	220	24	0.020	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	
1,1,2,2-Tetrachloroethane	29	3.1	0.010	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	
Tetrachloroethylene	110	12	0.10	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	
Tetrahydrofuran	~	~	~	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.010	
Toluene	1,000	500	20	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	
1,2,3-Trichlorobenzene	~	~	~	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.010	
1,2,4-Trichlorobenzene	2,500	680	1.4	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.004	
1,3,5-Trichlorobenzene	~	~	~	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	
1,1,1-Trichloroethane	1,000	500	4.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	
1,1,2-Trichloroethane	100	11	0.10	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	
Trichloroethylene	520	56	0.10	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	
Trichlorofluoromethane	1,000	500	26	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.010	
1,2,3-Trichloropropane	~	~	~	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	
1,1,2-Trichloro-1,2,2-Trifluoroethane	~	~	~	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.010	
1,2,4-Trimethylbenzene	1,000	500	7.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	
1,3,5-Trimethylbenzene	1,000	500	7.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	
Vinyl Chloride	3.0	0.32	0.040	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.010	
m + p Xylene	1,000	500	20	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.004	
p-Xylene	1,000	500	20	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	

TABLE 4B
SUMMARY OF SOIL SAMPLE ANALYTICAL DATA
FACTORY H SUPPLEMENTAL INVESTIGATION
MERRIDEN, CONNECTICUT
AECOM ENVIRONMENT

Parameter	RSR DEC			RSR PMC			SAMPLING LOCATION													TRIP BLANK
	I/C DEC	RES DEC	GA PMC	ME-SB-08 2-3FT	ME-SB-08 5-6FT	ME-SB-09 3-4FT	ME-SB-09 3-4FT DUP	ME-SB-09 8-9FT	ME-SB-10 1-2FT	ME-SB-10 13-14FT	ME-SB-11 12-13FT	ME-SB-11 3-4FT	ME-SB-11 3-4FT DUP	ME-SB-12 3-4FT	ME-SB-12 6.5-7.5FT	ME-SB-13 3-4FT	ME-SB-13 8-9FT			
8270 dry weight (mg/kg dry wt)																				
Acenaphthene	2,500	1,000	8.40	<0.189	<0.187	<0.200	<0.199	<0.207	<0.952	<0.208	<0.199	<0.209	<0.215	<0.202	<0.224	1.27	<0.193	NT		
Acenaphthylene	2,500	1,000	8.40	<0.189	<0.187	<0.200	<0.199	<0.207	<0.952	<0.208	<0.199	<0.209	<0.215	<0.202	<0.224	2.51	<0.193	NT		
Acetophenone	~	~	~	<0.38	<0.38	<0.40	<0.40	<0.42	<1.91	<0.42	<0.40	<0.42	<0.43	<0.41	<0.45	<0.81	<0.39	NT		
Aniline	~	107	~	<0.38	<0.38	<0.40	<0.40	<0.42	<1.91	<0.42	<0.40	<0.42	<0.43	<0.41	<0.45	<0.81	<0.39	NT		
Anthracene	2,500	1,000	40.0	0.370	0.602	<0.200	<0.199	<0.207	<0.952	<0.208	<0.199	<0.209	<0.215	<0.202	<0.224	8.70	<0.193	NT		
Benzoic Acid	2,500	1,000	1,000	<1.14	<1.12	<1.20	<1.20	<1.25	<5.71	<1.25	<1.20	<1.26	<1.29	<1.22	<1.34	<2.41	<1.16	NT		
Benzo(a)anthracene	7.80	1.00	1.00	1.41	1.84	<0.200	<0.200	<0.207	1.09	<0.208	<0.199	<0.209	<0.215	1.11	<0.224	9.68	<0.193	NT		
Benzo(a)pyrene	1.00	1.00	1.00	1.18	1.31	<0.200	<0.199	<0.207	1.11	<0.208	<0.199	<0.209	<0.215	0.903	<0.224	7.51	<0.193	NT		
Benzo(b)fluoranthene	7.80	1.00	1.00	1.38	1.47	<0.200	<0.199	<0.207	1.48	<0.208	<0.199	<0.209	<0.215	1.10	<0.224	8.80	<0.193	NT		
Benzo(k)fluoranthene	2,500	1,000	4.20	0.902	0.494	<0.200	<0.199	<0.207	<0.952	<0.208	<0.199	<0.209	<0.215	0.557	<0.224	3.50	<0.193	NT		
Benzo(e)fluoranthene	78.0	8.40	1.00	0.570	0.601	<0.200	<0.199	<0.207	<0.952	<0.208	<0.199	<0.209	<0.215	0.420	<0.224	4.48	<0.193	NT		
Bis(2-chloroethoxy)methane	~	~	~	<0.38	<0.38	<0.40	<0.40	<0.42	<1.91	<0.42	<0.40	<0.42	<0.43	<0.41	<0.45	<0.81	<0.39	NT		
Bis(2-chloroethyl)ether	5.20	1.00	1.00	<0.38	<0.38	<0.40	<0.40	<0.42	<1.91*	<0.42	<0.40	<0.42	<0.43	<0.41	<0.45	<0.81	<0.39	NT		
Bis(2-chloroisopropyl)ether	82.0	8.80	1.00	<0.38	<0.38	<0.40	<0.40	<0.42	<1.91*	<0.42	<0.40	<0.42	<0.43	<0.41	<0.45	<0.81	<0.39	NT		
Bis(2-ethylhexyl)phthalate	410	44.0	1.00	<0.38	<0.38	<0.40	<0.40	<0.42	<1.91*	<0.42	<0.40	<0.42	<0.43	<0.41	<0.45	<0.81	<0.39	NT		
4-Bromophenyl phenyl ether	1,000	500	8.20	<0.38	<0.38	<0.40	<0.40	<0.42	<1.91	<0.42	<0.40	<0.42	<0.43	<0.41	<0.45	<0.81	<0.39	NT		
Butylbenzylphthalate	2,500	1,000	20.0	<0.76	<0.75	<0.80	<0.80	<0.83	<3.81	<0.84	<0.80	<0.84	<0.86	<0.81	<0.90	<1.61	<0.77	NT		
Carbazole	~	~	~	<0.19	<0.19	<0.20	<0.20	<0.21	<0.96	<0.21	<0.20	<0.21	<0.22	<0.21	<0.23	2.34	<0.20	NT		
4-Chloroaniline	2,500	270	1.00	<0.76	<0.75	<0.80	<0.80	<0.83	<3.81*	<0.84	<0.80	<0.84	<0.86	<0.81	<0.90	<1.61*	<0.77	NT		
4-Chloro-3-methylphenol	~	~	~	<0.76	<0.75	<0.80	<0.80	<0.83	<3.81*	<0.84	<0.80	<0.84	<0.86	<0.81	<0.90	<1.61*	<0.77	NT		
2-Chloronaphthalene	2,500	1,000	11.0	<0.38	<0.38	<0.40	<0.40	<0.42	<1.91	<0.42	<0.40	<0.42	<0.43	<0.41	<0.45	<0.81	<0.39	NT		
2-Chlorophenol	2,500	339	1.00	<0.38	<0.38	<0.40	<0.40	<0.42	<1.91*	<0.42	<0.40	<0.42	<0.43	<0.41	<0.45	<0.81	<0.39	NT		
4-Chlorophenyl phenyl ether	1,000	500	8.20	<0.38	<0.38	<0.40	<0.40	<0.42	<1.91	<0.42	<0.40	<0.42	<0.43	<0.41	<0.45	<0.81	<0.39	NT		
Chrysene	780	84.0	1.00	1.38	1.63	<0.200	<0.199	<0.207	1.37	<0.208	<0.199	<0.209	<0.215	1.15	<0.224	9.84	<0.193	NT		
Dibenzofuran	2,500	270	1.00	<0.38	<0.38	<0.40	<0.40	<0.42	<1.91*	<0.42	<0.40	<0.42	<0.43	<0.41	<0.45	5.25	<0.39	NT		
Dibenz(a,h)anthracene	1.00	1.00	1.00	0.275	0.208	<0.200	<0.199	<0.207	<0.952	<0.208	<0.199	<0.209	<0.215	0.208	<0.224	1.38	<0.193	NT		
1,2-Dichlorobenzene	1,000	500	~	<0.38	<0.38	<0.40	<0.40	<0.42	<1.91	<0.42	<0.40	<0.42	<0.43	<0.41	<0.45	<0.81	<0.39	NT		
1,3-Dichlorobenzene	1,000	500	~	<0.38	<0.38	<0.40	<0.40	<0.42	<1.91	<0.42	<0.40	<0.42	<0.43	<0.41	<0.45	<0.81	<0.39	NT		
2,4-Dichlorobenzene	240	26.0	~	<0.38	<0.38	<0.40	<0.40	<0.42	<1.91	<0.42	<0.40	<0.42	<0.43	<0.41	<0.45	<0.81	<0.39	NT		
3,3'-Dichlorobenzidine	13.0	1.40	0.33	<0.19	<0.19	<0.20	<0.20	<0.21	<0.96*	<0.21	<0.20	<0.21	<0.22	<0.21	<0.23	<0.41*	<0.20	NT		
2,4-Dichlorophenol	2,500	203	1.00	<0.38	<0.38	<0.40	<0.40	<0.42	<1.91*	<0.42	<0.40	<0.42	<0.43	<0.41	<0.45	<0.81	<0.39	NT		
Diethylphthalate	2,500	1,000	11.0	<0.38	<0.38	<0.40	<0.40	<0.42	<1.91	<0.42	<0.40	<0.42	<0.43	<0.41	<0.45	<0.81	<0.39	NT		
2,4-Dimethylphenol	2,500	1,000	2.80	<0.38	<0.38	<0.40	<0.40	<0.42	<1.91	<0.42	<0.40	<0.42	<0.43	<0.41	<0.45	<0.81	<0.39	NT		
Dimethylphthalate	2,500	1,000	11.0	<0.76	<0.75	<0.80	<0.80	<0.83	<3.81	<0.84	<0.80	<0.84	<0.86	<0.81	<0.90	<1.61	<0.77	NT		
Di-n-butylphthalate	2,500	1,000	14.0	<0.38	<0.38	<0.40	<0.40	<0.42	<1.91	<0.42	<0.40	<0.42	<0.43	<0.41	<0.45	<0.81	<0.39	NT		
Di-n-octylphthalate	2,500	1,000	2.00	<0.76	<0.75	<0.80	<0.80	<0.83	<3.81*	<0.84	<0.80	<0.84	<0.86	<0.81	<0.90	<1.61	<0.77	NT		
4,6-Dinitro-2-methylphenol	~	~	~	<0.38	<0.38	<0.40	<0.40	<0.42	<1.91	<0.42	<0.40	<0.42	<0.43	<0.41	<0.45	<0.81	<0.39	NT		
2,4-Dinitrophenol	2,500	140	1.65	<0.76	<0.75	<0.80	<0.80	<0.83	<3.81*	<0.84	<0.80	<0.84	<0.86	<0.81	<0.90	<1.61	<0.77	NT		
2,4-Dinitrotoluene	2,500	140	1.00	<0.38	<0.38	<0.40	<0.40	<0.42	<1.91*	<0.42	<0.40	<0.42	<0.43	<0.41	<0.45	<0.81	<0.39	NT		
2,6-Dinitrotoluene	2,000	68.0	1.00	<0.38	<0.38	<0.40	<0.40	<0.42	<1.91*	<0.42	<0.40	<0.42	<0.43	<0.41	<0.45	<0.81	<0.39	NT		
1,2-Diphenylhydrazine (as Azobenzene)	~	~	~	<0.38	<0.38	<0.40	<0.40	<0.42	<1.91	<0.42	<0.40	<0.42	<0.43	<0.41	<0.45	<0.81	<0.39	NT		
Fluoranthene	2,500	1,000	5.60	2.08	2.30	<0.200	<0.199	<0.207	1.56	<0.208	<0.199	<0.209	<0.215	1.22	<0.224	20.1	<0.193	NT		
Fluorene	2,500	1,000	5.60	0.189	0.207	<0.200	<0.199	<0.207	<0.952	<0.208	<0.199	<0.209	<0.215	<0.202	<0.224	9.36	<0.193	NT		
Hexachlorobenzene	3.60	1.00	1.00	<0.38	<0.38	<0.40	<0.40	<0.42	<1.91*	<0.42	<0.40	<0.42	<0.43	<0.41	<0.45	<0.81	<0.39	NT		
Hexachlorobutadiene	73.0	7.90	1.00	<0.38	<0.38	<0.40	<0.40	<0.42	<1.91*	<0.42	<0.40	<0.42	<0.43	<0.41	<0.45	<0.81	<0.39	NT		
Hexachlorocyclopentadiene	2,500	470	1.00	<0.76	<0.75	<0.80	<0.80	<0.83	<3.81*	<0.84	<0.80	<0.84	<0.86	<0.81	<0.90	<1.61*	<0.77	NT		
Hexachloroethane	410	44.0	1.00	<0.38	<0.38	<0.40	<0.40	<0.42	<1.91*	<0.42	<0.40	<0.42	<0.43	<0.41	<0.45	<0.81	<0.39	NT		
Indeno(1,2,3-cd)pyrene	7.80	1.00	1.00	1.09	0.629	<0.200	<0.199	<0.207	<0.952	<0.208	<0.199	<0.209	<0.215	0.725	<0.224	4.53	<0.193	NT		
Isophorone	2,500	640	1.00	<0.38	<0.38	<0.40	<0.40	<0.42	<1.91*	<0.42	<0.40	<0.42	<0.43	<0.41	<0.45	<0.81	<0.39	NT		
p-cresol	2,500	1,000	7.00	<0.38	<0.38	<0.40	<0.40	<0.42	<1.91	<0.42	<0.40	<0.42	<0.43	<0.41	<0.45	<0.81	<0.39	NT		
m & p-cresol(s)	2,500	340	0.70	<0.38	<0.38	<0.40	<0.40	<0.42	<1.91*	<0.42	<0.40	<0.42	<0.43	<0.41	<0.45	<0.81*	<0.39	NT		
2-Methylnaphthalene	2,500	474	0.980	<0.189	<0.187	<0.200	<0.199	<0.207	<0.952	<0.208	<0.199	<0.209	<0.215	<0.202	<0.224	1.84	<0.193	NT		
Naphthalene	2,500	1,000	5.60	<0.189	<0.187	<0.200	<0.199	<0.207	<0.952	<0.208	<0.199	<0.209	<0.215	<0.202	<0.224	2.40	<0.193	NT		
2-Nitroaniline	1,200	4.10	1.65	<0.38	<0.38	<0.40	<0.40	<0.42	<1.91*	<0.42	<0.40	<0.42	<0.43	<0.41	<0.45	<0.81	<0.39	NT		
3-Nitroaniline	2,500	200	1.65	<0.38	<0.38	<0.40	<0.40	<0.42	<1.91*	<0.42	<0.40	<0.42	<0.43	<0.41	<0.45	<0.81	<0.39	NT		
4-Nitroaniline	2,500	200	1.00	<0.38	<0.38	<0.40	<0.40	<0.42	<1.91*	<0.42	<0.40	<0.42	<0.43	<0.						

TABLE 6 - DRAFT
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL DATA
FACTORY H SUPPLEMENTAL INVESTIGATION
MERIDEN, CONNECTICUT
AECOM ENVIRONMENT

Parameter	MSR EXISTING MSR				SAMPLE LOCATION										SAMPLE LOCATION				
	VC VC	RES VC	SWPC		ADC-11 MW-01	ADC-11 MW-01 DUP	ADC-17 MW-1	ADC-3 MW-1	ME-MW-01	ME-MW-02 (INSIDE)	ME-MW-02UP (INSIDE)	don't print this	MW-100	MW-101	MW-102	MW-102 DUP	MW-11	MW-11 DUP	TB
Sampling Date	3/12/00	3/12/00	3/15/00	3/12/00	3/12/00	3/15/00	3/12/00	3/15/00	3/15/00	3/15/00	3/15/00	3/15/00	3/15/00	3/15/00	3/15/00	3/15/00	3/15/00	3/15/00	3/15/00
Sample Depth	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Analysis Report Number	UMT-23990	UMT-23990	UMT-23990	UMT-23990	UMT-23990	UMT-23990	UMT-23990	UMT-23990	UMT-23990	UMT-23990	UMT-23990	UMT-23990	UMT-23990	UMT-23990	UMT-23990	UMT-23990	UMT-23990	UMT-23990	UMT-23990
MSR ADO 14cp (ug/L)																			
Arsenic	NT	NT	86,000	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzene	NT	NT	4,000	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bromine	NT	NT	2,000	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chromium	NT	NT	4,000	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Copper	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Lead	NT	NT	13	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Mercury	NT	NT	8800	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Strontium	NT	NT	50.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Selenium	NT	NT	12.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Thallium	NT	NT	63.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Vanadium	NT	NT	10.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Zinc	NT	NT	125	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
MSR water (ug/l)																			
Acetone	50,000	50,000	NT	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0
Acrylonitrile	NT	NT	30.0	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0
Benzenesulfonic Acid	NT	NT	NT	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0
Benzene	500	130	710	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0
Bromobenzene	NT	NT	NT	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0
Bromochloroethane	NT	NT	NT	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0
Bromodichloroethane	73.0	2.3	NT	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0
Bromofluorobenzene	2,300	75.0	19,800	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0
Bromonitrobenzene	NT	NT	NT	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0
2-Chloroethanol (MELK)	50,000	50,000	NT	<2.0	NT	<2.0	<2.0	<2.0	<2.0	<2.0	NT	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NT	<2.0
tert-Butyl Alcohol	NT	NT	NT	<10.0	NT	<10.0	<10.0	<10.0	<10.0	<10.0	NT	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	NT	<10.0
1,4-Dichlorobenzene	21,000	1,600	NT	<1.0	NT	<1.0	<1.0	<1.0	<1.0	<1.0	NT	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NT	<1.0
Diethylamine	NT	NT	NT	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0
tert-Butylperoxide	NT	NT	NT	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0
tert-Butylperoxide	NT	NT	NT	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0
Carbon Disulfide	NT	NT	NT	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0
Carbon Tetrachloride	14.0	5.3	130	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0
Chlorobenzene	23,000	1,800	420,000	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0
Chlorodibromobenzene	NT	NT	1,000	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0
Chloroethane	29,000	12,000	NT	<1.0	NT	<1.0	<1.0	<1.0	<1.0	<1.0	NT	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NT	<1.0
Chloroethane	710	30	14,100	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0
Chloroethane	8,500	350	NT	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0
1-Chloroethane	NT	NT	NT	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0
1-Chloroethane	NT	NT	NT	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0
1,2-Dichloroethane	NT	NT	NT	<1.0	NT	<1.0	<1.0	<1.0	<1.0	<1.0	NT	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NT	<1.0
1,2-Dichloroethane	11.0	0.30	NT	<90.0*	NT	<90.0*	<90.0*	<90.0*	<90.0*	<90.0*	NT	<90.0*	<90.0*	<90.0*	<90.0*	<90.0*	<90.0*	NT	<90.0*
1,2-Dichloroethane	NT	NT	NT	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0
1,2-Dichloroethane	50,000	5,100	190,000	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0
1,2-Dichloroethane	50,000	4,300	26,000	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0
1,4-Dichlorobenzene	1,400	1,400	26,000	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0
1,4-Dichloro-2-Benzene	NT	NT	NT	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0
Dichlorodiphenylmethane	1,200	91.0	NT	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0
1,1-Dichloroethane	41,000	3,000	NT	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0
1,2-Dichloroethane	88.0	6.8	2,070	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0
1,1-Dichloroethane	8	1	98.0	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0
1,2-Dichloroethane	NT	NT	NT	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0
1,2-Dichloroethane	58.0	80.0	NT	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0
1,3-Dichloropropane	NT	NT	NT	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0
1,3-Dichloropropane	NT	NT	NT	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0
1,2-Dichloropropane	NT	NT	NT	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0
1,1-Dichloropropane	NT	NT	NT	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0	<90.0	<90.0	<90.0	<90.0	<90.0	NT	<90.0
1,2-Dichloropropane	300	300	34,000	<90.0	NT	<90.0	<90.0	<90.0	<90.0										

TABLE 6
Summary of Data Validation Qualifications

Supplemental Investigation and Soil Re-Use Evaluation
INSILCO, Factory H
Meriden, Connecticut
AECOM Environment
August 2009

Report #	Qualified Sample(s)	Matrix	Description	Qualification
23695	ME-SB-02, ME-SB-06	Soil	Samples exceeded hold time. SPLP extraction was performed on the 16 th day after sampling. Results may be biased low.	Qualify as estimated positive and nondetected results (J and UJ, respectively) for all compounds.
23695	ME-SB-01, ME-SB-02, ME-SB-06	Soil	Based on CCV, Indeno(1,2,3)pyrene, Dibenz(a,h)anthracene and Benzo(g,h,i)perylene results are estimated and likely to be biased low.	Qualify as estimated positive and nondetected results (J and UJ, respectively) for all compounds.
23411	EB 021909	Water	ICV and/or CCV did not meet method specifications. 1,4-dioxane was calibrated with a relative response factor <0.05. Bromomethane was calibrated by linear regression with a correlation coefficient of <0.99	Qualify as estimated positive and nondetected results (J and UJ, respectively) for these compounds.

Table lists all samples and their respective reports that required qualification. Abbreviated terms are defined below:

CCV = continuing calibration verification;

EB= analyte was detected in the associated equipment blank and there is an indeterminate amount of error in the result presented

ICS= Interference Check Standard

ICV = initial calibration verification

J = concentration is an estimate

UJ =reporting limit is an estimate

LCS = Laboratory Control Spike

MS/MSD = Matrix Spike, Matrix Spike Duplicate

RPD = Relative Percent Difference

TABLE 6
SUMMARY OF DATA VALIDATION QUALIFICATIONS
SUPPLEMENTAL INVESTIGATION AND SOIL REUSE EVALUATION
Insilco, Factory H
Meriden, CT
AECOM Environment

Report #	Qualified Sample(s)	Matrix	Description	Qualification
3411	EB 021909	Water	The LCS and/or LCSD recoveries were low for methyl isobutyl ketone, naphthalene, hexachlorobutadiene, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene and 2-hexanone. Results may be biased low.	Qualify as estimated positive and nondetected results (J and UJ, respectively) for these compounds.
23411	ME-SB-01 thru ME-SB-05 (all depths) and TB 021909	Soil	ICV and/or CCV did not meet method specifications. Acetone, tert-butylalcohol, 2-butanone, tetrahydrofuran and 1,4 dioxane 1,4-dioxane were calibrated with a relative response factor <0.05. Results may be biased low.	Qualify as estimated positive and nondetected results (J and UJ, respectively) for these compounds.
23411	ME-MW-02, ME-SB-01 thru ME-SB-05 (all depths)	Soil	Low level calibration was outside control limits for Zn. Any result at or near the detection limit may be biased on the high side	Qualify as estimated positive results (J) < 2x RL.
23332	ME-SB-01 thru ME-SB-05 (all depths) and TB 021909	Soil	ICV and/or CCV did not meet method specifications. Acetone, tert-butylalcohol, 2-butanone, tetrahydrofuran and 1,4 dioxane 1,4-dioxane were calibrated with a	Qualify as estimated positive and nondetected results (J and UJ, respectively) for

Table lists all samples and their respective reports that required qualification. Abbreviated terms are defined below:

CCV = continuing calibration verification;

EB= analyte was detected in the associated equipment blank and there is an indeterminate amount of error in the result presented

ICS= Interference Check Standard

ICSAB = interference check sample AB

ICV = initial calibration verification

J = concentration is an estimate

UJ =reporting limit is an estimate

LCS = Laboratory Control Spike

MS/MSD = Matrix Spike, Matrix Spike Duplicate

RPD = Relative Percent Difference

**TABLE 6
SUMMARY OF DATA VALIDATION QUALIFICATIONS
SUPPLEMENTAL INVESTIGATION AND SOIL REUSE EVALUATION
Insilco, Factory H
Meriden, CT
AECOM Environment**

Report #	Qualified Sample(s)	Matrix	Description	Qualification
			relative response factor <0.05. Results may be biased low.	these compounds.
23332	ME-SS-09 1-1.5 ME-SS-10 0-1 ME-SS-11 1-1.5 ME-SS-12 0-1	Soil	Low level calibration was outside control limits for Zn. Any result at or near the detection limit may be biased on the high side	Qualify as estimated positive results (J) < 2x RL.
23332	ME-SB-07 2-4 and ME-SB DUP	Soil	Field duplicate RPD exceeded 50% for tetrachloroethylene, trichloroethylene, lead, fluoranthene and pyrene.	Qualify as estimated positive and nondetected results (J and UJ, respectively) for these compounds.
23748	ME-SS-02 0-1 ME-SS-05 0-1 ME-SS-12 0-1	Soil	ICSAB was outside of control limits for Cu. Any reported result for this element may be biased on the low side in the presence of high inter-element interference.	Qualify as estimated positive and nondetected results (J and UJ, respectively) for these compounds.

Table lists all samples and their respective reports that required qualification. Abbreviated terms are defined below:

CCV = continuing calibration verification;

EB= analyte was detected in the associated equipment blank and there is an indeterminate amount of error in the result presented

ICS= Interference Check Standard

ICSAB = interference check sample AB

ICV = initial calibration verification

J = concentration is an estimate

UJ =reporting limit is an estimate

LCS = Laboratory Control Spike

MS/MSD = Matrix Spike, Matrix Spike Duplicate

RPD = Relative Percent Difference

**TABLE 6
SUMMARY OF DATA VALIDATION QUALIFICATIONS
SUPPLEMENTAL INVESTIGATION AND SOIL REUSE EVALUATION
Insilco, Factory H
Meriden, CT
AECOM Environment**

Report #	Qualified Sample(s)	Matrix	Description	Qualification
24388	ME-SB-08 thru ME-SB-13 (all depths) and Trip Blank	Soil	ICV and/or CCV did not meet method specifications. Tert-Butyl Alcohol, Tetrahydrofuran, and 1,4-Dioxane were calibrated with a relative response factor <0.05.	Qualify as estimated positive and nondetected results (J and UJ, respectively) for these compounds.
24388	ME-SB-08 thru ME-SB-13 (all depths) and Trip Blank	Soil	ICV and/or CCV did not meet method specifications. Pentachloronitrobenzene was calibrated with a relative response factor <0.05.	Qualify as estimated positive and nondetected results (J and UJ, respectively) for these compounds.
24388	ME-SB-09 (all depths and DUP), ME-SB-10 13-14 and ME-SB-11 3-4 and 3-4 DUP	Soil	ICV and/or CCV did not meet method specifications. Benzo(g,h,i)perylene was calibrated with a relative response factor <0.05.	Qualify as estimated positive and nondetected results (J and UJ, respectively) for these compounds.

Table lists all samples and their respective reports that required qualification. Abbreviated terms are defined below:

CCV = continuing calibration verification;

EB= analyte was detected in the associated equipment blank and there is an indeterminate amount of error in the result presented

ICS= Interference Check Standard

ICSAB = interference check sample AB

ICV = initial calibration verification

J = concentration is an estimate

UJ =reporting limit is an estimate

LCS = Laboratory Control Spike

MS/MSD = Matrix Spike, Matrix Spike Duplicate

RPD = Relative Percent Difference

TABLE 6
SUMMARY OF DATA VALIDATION QUALIFICATIONS
SUPPLEMENTAL INVESTIGATION AND SOIL REUSE EVALUATION
Insilco, Factory H
Meriden, CT
AECOM Environment

Report #	Qualified Sample(s)	Matrix	Description	Qualification
24388	ME-SB-10 1-2, ME-SB-11 12-13 and ME-SB-08, 12 and 13 (all depths),	Soil	ICV and/or CCV did not meet method specifications. Benzoic Acid and 2,4-Dinitrophenol were calibrated by linear regression with a correlation coefficient <0.99. Reduced accuracy and precision are anticipated for any reported result for these compounds.	Qualify as estimated positive and nondetected results (J and UJ, respectively) for these compounds.
24388	ME-SB-09 (all depths and DUP), ME-SB-10 13-14 and ME-SB-11 3-4 and 3-4 DUP	Soil	Any reported result for Benzoic Acid, Pyrene, Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, and Benzo(g,h,i)perylene is estimated and likely to be biased on the low side based on continuing calibration bias.	Qualify as estimated positive and nondetected results (J and UJ, respectively) for these compounds.
24711	ME-SB-08 2-3 and 5-6 and ME-SB-13 3-4	Soil	ICV and/or CCV did not meet method specifications. Pentachloronitrobenzene was calibrated with a relative response factor <0.05.	Qualify as estimated positive and nondetected results (J and UJ, respectively) for these compounds.
24711	ME-SB-08 2-3 and 5-	Soil	ICV and/or CCV did not meet method specifications.	Qualify as estimated positive

Table lists all samples and their respective reports that required qualification. Abbreviated terms are defined below:

CCV = continuing calibration verification;

EB= analyte was detected in the associated equipment blank and there is an indeterminate amount of error in the result presented

ICS= Interference Check Standard

ICSAB = interference check sample AB

ICV = initial calibration verification

J = concentration is an estimate

UJ =reporting limit is an estimate

LCS = Laboratory Control Spike

MS/MSD = Matrix Spike, Matrix Spike Duplicate

RPD = Relative Percent Difference

Table 7
Sample Exceedance Changes Due to Revised RSRs
Factory H
Meriden, CT
AECOM Environment

MW-11		
Existing CT RSR Exceedance	Revised CT RSR Exceedance	Parameter
SWPC	--	Zinc
Note: 1. GB classified groundwater.		

MW-100		
Existing CT RSR Exceedance	Revised CT RSR Exceedance	Parameter
--	I/C VC	Tetrachloroethylene (PCE)
Note: 1. GB classified groundwater.		

MW-101		
Existing CT RSR Exceedance	Revised CT RSR Exceedance	Parameter
--	I/C VC	Tetrachloroethylene (PCE)
--	SWPC	Trichloroethylene (TCE)
Note: 1. GB classified groundwater.		

ME-MW-02		
Existing CT RSR Exceedance	Revised CT RSR Exceedance	Parameter
SWPC	--	Zinc
--	SWPC	Nickel
Note: 1. GB classified groundwater.		

Notes:

1. NE = No Exceedance Under RSR Regime
2. SWPC = Surface Water Protection Criteria
3. I/C VC = Industrial/Commercial Volatilization Criteria

Appendices

Appendix A

Statement of Limitations

STATEMENT OF LIMITATIONS

The data presented and the opinions expressed in this report are qualified as follows:

1. The sole purpose of the investigation and of this report is to assess the physical characteristics of the Site with respect to the presence or absence in the environment of oil or hazardous materials and substances as defined in the applicable state and federal environmental laws and regulations and to gather information regarding current and past environmental conditions at the Site.
2. Metcalf & Eddy (M&E) derived the data in this report primarily from visual inspections, examinations of records provided by the Client, interviews with individuals with information about the Site, and a limited number of subsurface explorations made on the dates indicated. The passage of time, manifestation of latent conditions or occurrence of future events may require further exploration at the Site, analysis of the data, and reevaluation of the findings, observations, and conclusions expressed in the report.
3. In preparing this report, M&E has relied upon and presumed accurate certain information (or the absence thereof) about the Site and adjacent properties provided by governmental officials and agencies, the Client, and others identified herein. Except as otherwise stated in the report, M&E has not attempted to verify the accuracy or completeness of any such information.
4. The data reported and the findings, observations, and conclusions expressed in the report are limited by the Scope of Services, including the extent of subsurface exploration and other tests. The Scope of Services was defined by the requests of the Client, the time and budgetary constraints imposed by the Client, and the availability of access to the Site.
5. Because of the limitations stated above, the findings, observations, and conclusions expressed by M&E in this report are not, and should not be considered, an opinion concerning the compliance of any past or present owner or operator of the site with any federal, state or local law or regulation. No warranty or guarantee, whether express or implied, is made with respect to the data reported or findings, observations, and conclusions expressed in this report. Further, such data, findings, observations, and conclusions are based solely upon site conditions in existence at the time of investigation.
6. This report has been prepared on behalf of and for the exclusive use of the Client, and is subject to and issued in connection with the Agreement and the provisions thereof.

Appendix B
Soil Boring Logs

AECOM USA, Inc.

GEOLOGIC LOG

PROJECT : Factory H Supplemental Investigation CO#5		SHEET : 1 of 1	BORING NO. : ME-SB-07
SITE LOCATION : 77 Cooper St, 104 Butler St Meriden, CT		JOB NO. : 60073489 (Factory H Supplemental Investigation)	Elevation: Total Depth:
DRILL CONTRACTOR : ADT		LOCATION: N: E:	DATE : 02-17-09
DRILL RIG: Geoprobe 54LT		ENG/GEO : Seremet/Perhala	TIME : 9:45

Hole Size : 2"	Weather :	Ground Water (Depth/Elev.) :
Drilling Method : Direct push	Drilling Fluid : None	Top of Rock (Depth/Elev.) :

Depth (ft) (in)	Sample Type/No.	PID (ppm)	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION NOTE: Depths read from top of recovered sample	STRATIGRAPHIC DESCRIPTION
		0.0		40"		
0-6"					organics, asphalt, frozen brown M sand	
6-24"					M black sand, fill, brick fragments, slag pieces	
24-31"					coal ash	
31-40"					wet F brown sand/silt	
					Sample 0-1' VOCs, PAHs, Pb	
					Sample 2-3' VOCs, PAHs, Pb	
					Sample 4-5' VOCs, PAHs, Pb HOLD	

SAMPLE TYPES: SS=SPLIT SPOON ST=SHELBY TUBE R=ROCK CORE	Trace 0 to 5%	SPT Resistance	Cohesive Consistency: 0-2 V. Soft 3-4 Soft, 5-8 M/Stiff, 9-15 Stiff 16-30 V. Stiff, 31+ Hard	Approved/Date
	Few 5 to 10 Little 15 to 20 Some 30 to 40	0-4 V. Loose 5-9 Loose 10-29 Med. Dense 30-49 Dense 50+ V. Dense		

PROJECT : Factory H Supplemental Investigation CO#5		SHEET	BORING NO.
SITE LOCATION: 77 Cooper St, 104 Butler St Meriden, CT		1 of 1	ME-SS-02
JOB NO.: 60073489 (Factory H Supplemental Investigation)		Elevation:	Total Depth:
LOCATION: N: _____ E: _____			
DRILL CONTRACTOR : ADT	ENG/GEO : Seremet/Perhala	DATE : 02-17-09	
DRILL RIG: Geoprobe 54LT	DRILLER : Jay	TIME : 12:40	

Hole Size : 2"	Weather :	Ground Water (Depth/Elev.) :
Drilling Method : Direct push	Drilling Fluid : None	Top of Rock (Depth/Elev.) :

Depth (ft) (in)	Sample Type/No.	PID (ppm)	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION NOTE: Depths read from top of recovered sample	STRATIGRAPHIC DESCRIPTION
		0.0		40"		
0-8"					gravel, rocks, concrete chunks, med brown sand	
8-30"					M brown sand, trace fill (coal ash, slag)	
30-40"					Fine brown sand	
5					Sample 0-1' Cu, Pb, PAHs sample @ 0-13"	
					Sample 0-1' Cu, Pb, PAHs sample @ 4-7"	

SAMPLE TYPES: SS=SPLIT SPOON ST=SHELBY TUBE R=ROCK CORE	Trace 0 to 5%	SPT Resistance	Cohesionless Density: 0-4 V. Loose 5-9 Loose 10-29 Med. Dense 30-49 Dense 50+ V. Dense	Cohesive Consistency: 0-2 V. Soft 3-4 Soft, 5-8 M/Stiff, 9-15 Stiff 16-30 V. Stiff, 31+ Hard	Approved/Date
	Few 5 to 10				
	Little 15 to 20				
	Some 30 to 40				

AECOM USA, Inc.

GEOLOGIC LOG

PROJECT : Factory H Supplemental Investigation CO#5		SHEET	BORING NO.
SITE LOCATION: 77 Cooper St, 104 Butler St Meriden, CT		1 of 1	ME-SS-08
JOB NO.: 60073489 (Factory H Supplemental Investigation)		Elevation:	Total Depth:
LOCATION: N: _____ E: _____			
DRILL CONTRACTOR : ADT	ENG/GEO : Seremet/Perhala	DATE :	02-17-09
DRILL RIG: Geoprobe 54LT	DRILLER : Jay	TIME :	14:00

Hole Size : 2"	Weather :	Ground Water (Depth/Elev.) :
Drilling Method : Direct push	Drilling Fluid : None	Top of Rock (Depth/Elev.) :

Depth (ft) (in)	Sample Type/No.	PID (ppm)	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION NOTE: Depths read from top of recovered sample	STRATIGRAPHIC DESCRIPTION
		0.0		30"		
0-4"					asphalt	
4-20"					Med brown sand	
20-30"					Fine-Medium brown sad, silt coal ash/slag	
					Sample 0-1' Cu, Pb, PAHs sample @4-12"	
					Sample SSDUP @ 4-12" PAHs, Pb, Cu	

SAMPLE TYPES: SS=SPLIT SPOON ST=SHELBY TUBE R=ROCK CORE	Trace 0 to 5%	SPT Resistance	Approved/Date	
	Few 5 to 10	Cohesionless Density: 0-4 V. Loose		Cohesive Consistency: 0-2 V. Soft
	Little 15 to 20	5-9 Loose 10-29 Med. Dense		3-4 Soft, 5-8 M/Stiff, 9-15 Stiff
	Some 30 to 40	30-49 Dense 50+ V. Dense		16-30 V. Stiff, 31+ Hard

PROJECT : Factory H Supplemental Investigation CO#5			SHEET	BORING NO.	
SITE LOCATION: 77 Cooper St, 104 Butler St Meriden, CT		JOB NO.: 60073489 (Factory H Supplemental Investigation)		1 of 1	ME-SS-09
DRILL CONTRACTOR : ADT		LOCATION: N: _____ E: _____		Elevation:	Total Depth:
DRILL RIG: Geoprobe 54LT		ENG/GEO : Seremet/Perhala		DATE : 02-17-09	
Hole Size : 2"		Weather :		Ground Water (Depth/Elev.) :	
Drilling Method : Direct push		Drilling Fluid : None		Top of Rock (Depth/Elev.) :	

Depth (ft)	Sample (in)	PID	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	STRATIGRAPHIC DESCRIPTION
		0.0		35"	NOTE: Depths read from top of recovered sample	
0-6"					concrete	
6-10"					Med brown sand	SAMPLE
10-12"					concrete	
12-18 "					Med brown sand	SAMPLE
18-33"					Med brown sand	
33-35"					wet med brown sand	
					Sample 0-0.5' 15 metals, ETPH, PAHs sample @6-10"	
					Sample 1-1.5' @ 12-18" 15 metals , PAHs, ETPH	

SAMPLE TYPES: SS=SPLIT SPOON ST=SHELBY TUBE R=ROCK CORE	Trace 0 to 5% Few 5 to 10 Little 15 to 20 Some 30 to	SPT Resistance Cohesionless Density: 0-4 V. Loose 5-9 Loose 10-29 Med. Dense 30-49 Dense 50+ V. Dense	Cohesive Consistency: 0-2 V. Soft 3-4 Soft, 5-8 M/Stiff, 9-15 Stiff 16-30 V. Stiff, 31+ Hard	Approved/Date
--	---	--	--	---------------

PROJECT : Factory H Supplemental Investigation CO#5		SHEET : 1 of 1	BORING NO. : ME-SS-10
SITE LOCATION : 77 Cooper St, 104 Butler St Meriden, CT		JOB NO. : 60073489 (Factory H Supplemental Investigation)	Elevation: Total Depth:
DRILL CONTRACTOR : ADT		LOCATION: N: E:	DATE : 02-17-09
DRILL RIG : Geoprobe 54LT		ENG/GEO : Seremet/Perhala	TIME : 11:00

Hole Size : 2"	Weather :	Ground Water (Depth/Elev.) :
Drilling Method : Direct push	Drilling Fluid : None	Top of Rock (Depth/Elev.) :

Depth (ft) (in)	Sample Type/No.	PID (ppm)	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION NOTE: Depths read from top of recovered sample	STRATIGRAPHIC DESCRIPTION
		0.0		37"		
0-6"					asphalt	
6-12"					Med brown sand, some rocks and gravel	
12-31"					Med brown sand, coal ash/slag	
31-37"					Med-Coarse brown sand, wet, some gravel	
					Sample 0-1' @ 6-12" 15 metals , PAHs, ETPH	

SAMPLE TYPES: SS=SPLIT SPOON ST=SHELBY TUBE R=ROCK CORE	Trace 0 to 5%	SPT Resistance	Cohesive Consistency: 0-2 V. Soft 3-4 Soft, 5-8 M/Stiff, 9-15 Stiff 16-30 V. Stiff, 31+ Hard	Approved/Date
	Few 5 to 10 Little 15 to 20 Some 30 to	0-4 V. Loose 5-9 Loose 10-29 Med. Dense 30-49 Dense 50+ V. Dense		

PROJECT : Factory H Supplemental Investigation CO#5		SHEET : 1 of 1	BORING NO. : ME-SS-11
SITE LOCATION: 77 Cooper St, 104 Butler St Meriden, CT		JOB NO.: 60073489 (Factory H Supplemental Investigation)	Elevation: Total Depth:
DRILL CONTRACTOR : ADT		ENG/GEO : Seremet/Perhala	DATE : 02-17-09
DRILL RIG: Geoprobe 54LT		DRILLER : Jay	TIME : 2:40

Hole Size : 2"	Weather :	Ground Water (Depth/Elev.) :
Drilling Method : Direct push	Drilling Fluid : None	Top of Rock (Depth/Elev.) :

Depth (ft) (in)	Sample Type/No.	PID (ppm)	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION NOTE: Depths read from top of recovered sample	STRATIGRAPHIC DESCRIPTION
		0.0		24"		
0-6"					organics	
6-9"					brick	
9-16"					med gray sand and rocks	
16-24"					Med-Coarse brown sand, wet, some gravel	
REDO BORING TO AVOID BRICKS & OBTAIN SU						
				18"		
0-6"					organics SAMPLE 14:45	
6-12"					brick	
12-18"					Medium gray sand and rocks SAMPLE 14:50	
Sample 0-0.5' @ 0-6" 15 metals , PAHs, ETPH						
Sample 1-1.5' @ 12-18" 15 metals , PAHs, ETPH						

SAMPLE TYPES: SS=SPLIT SPOON ST=SHELBY TUBE R=ROCK CORE	Trace 0 to 5%	SPT Resistance	Cohesive Consistency: 0-2 V. Soft 3-4 Soft, 5-8 M/Stiff, 9-15 Stiff 16-30 V. Stiff, 31+ Hard	Approved/Date
	Few 5 to 10 Little 15 to 20 Some 30 to 40	0-4 V. Loose 5-9 Loose 10-29 Med. Dense 30-49 Dense 50+ V. Dense		

Appendix C

Monitoring Well Construction Detail

PROJECT: FACTORY H SUPPLEMENTAL INVESTIGATION SHEET: 1 of 1 WELL NO.: ME-MW-01

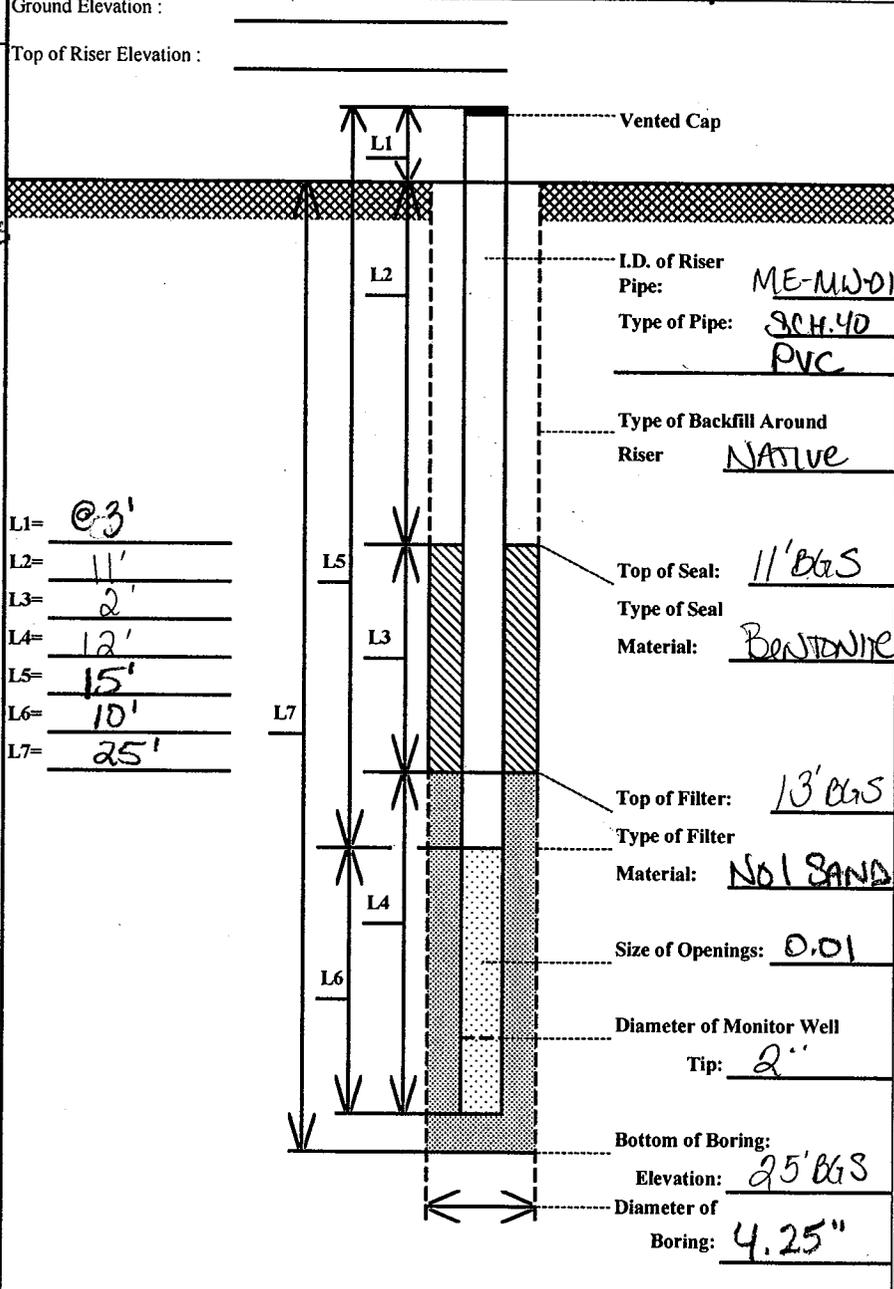
SITE LOCATION: MERIDEN, CT JOB NO.: 00073489.03 LOCATION: _____ Elevation: _____ Total Depth: 25'

DRILL CONTRACTOR: ADT ENG/GEO: J. PERHALA DRILLER: JAY/SCOTT DATE: 2-17-09

INSTALLATION METHOD: GP/HSA TIME: _____

TYPE OF MONITORING WELL: 2" MONITORING WELL - OVERBORDEN Ground Water (Depth/Elev.): @ 13'

- MATERIALS USED**
- 18' RISER
 - 10' SCREEN
 - 8 BAGS WELL SAND
 - 1 BAG BENTONITE CHIPS
 - 1 BAG CEMENT
 - 1 STEEL STANDPIPE
 - 1 ENDPT
 - 1 RIPPER CAP

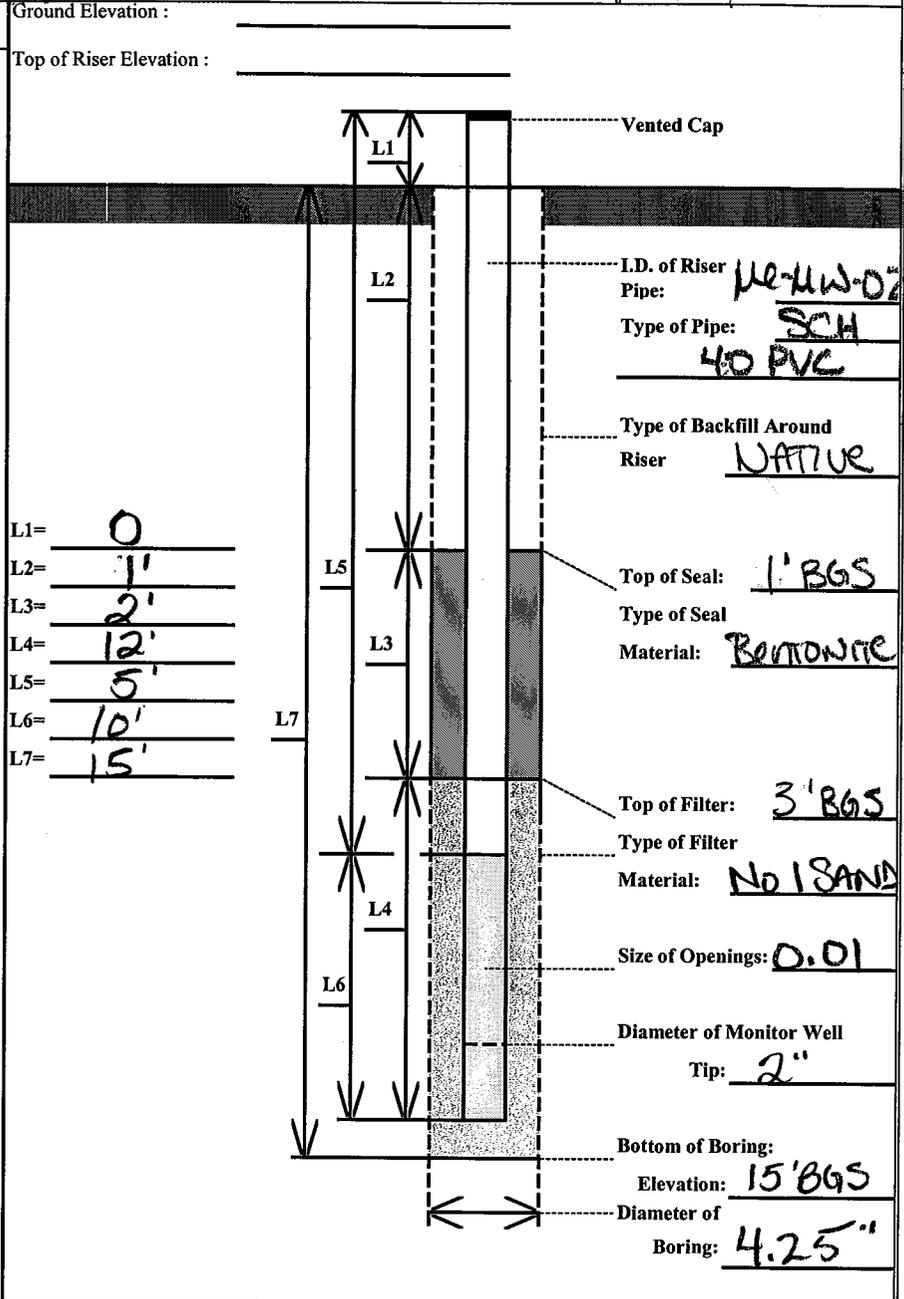


REMARKS: _____

2 of 2

PROJECT: FACTORY H SUPPLEMENTAL INV.		SHEET: 1 of 1	WELL NO.: ME-MW-02
SITE LOCATION: Melrose		JOB NO.: 60073489.03	Elevation: 15'
DRILL CONTRACTOR: HDT		LOCATION: N: _____ E: _____	Total Depth: 15'
INSTALLATION METHOD: GP		ENG/GEO: S. PERHALLA	DRILLER: ASON/SCOTT
TYPE OF MONITORING WELL: 2" MW		DATE: 2-19-09	TIME: _____
		Ground Water (Depth/Elev.): _____	

- MATERIALS USED**
- 5' RISER
 - 10' SCREEN
 - 8 BAGS WELLSAND
 - 1 BAG BENTONITE
 - 1 BAG CEMENT
 - 1 8" FLUSHINT TB
 - 1 END PT
 - 1 GRIPPER CAP



REMARKS:

Appendix D
Groundwater Sampling Logs

Well Purging-Field Water Quality Measurement Form

Location (Site/Facility Name):		Factory H		Screen Interval		Top		Bottom			
Well #		ML-01 A06-11-SB		Date:		3/12/2009		From MP in feet:			
Field Personnel:		S. G. ...		Pump Intake depth (ft below MP):		Purging Device; (pump type):		Perv			
Sampling Organization:		AECOM Environment		Weather:		903 sunny					
Identify Measuring Point (MP):		PVC									
Clock Time	Water Depth below MP	Pump Dial'	Purge Rate	Cum. Volume Purged	Temp.	Spec. Cond. ²	pH	ORP/Eh ³	DO	Turbidity	Comments
24 HR	ft		ml/min	gal	°C	µS/cm	s.u.	mv	mg/L	NTU	
9:47	3.60	175	160		5.89	.193	6.08	150.1	1.27	287	Rust below
9:52	4.67	175	164		6.24	.190	6.09	157.2	1.83	76.7	SILTY WATER
9:58	5.63	175	160		6.34	.186	6.10	155.1	.69	36.2	1st STARTED
10:01	6.63	175	160		6.53	.183	6.12	155.9	.69	85.72	PUMPING
10:04	6.63	175	166		6.64	.184	6.14	145.7	.38	152	
10:07	6.63	175	162		6.67	.184	6.18	137.2	.86	138	
10:10	6.63	175	162		6.71	.185	6.20	130.9	.35	92.3	
10:15	6.63	175	162		6.74	.190	6.21	126.2	.35	95.4	
10:16	6.63	175	164		6.76	.195	6.23	123.0	.33	91.5	
											Sample AT 10:17
											DNP/NO

1. Pump dial setting (for example: hertz, cycles/min, etc)
2. µSiemens per cm (same as µmhos/cm at 25°C)
3. Oxidation reduction potential (standard for Eh)
Temp +/- 3%
ORP +/- 10 mV
DO +/- 10%
Spec. Cond. +/- 3%
pH +/- 0.1 SU
Turb. +/- 10% or <1

Well Purgings-Field Water Quality Measurement Form

Location (Site/Facility Name):		Factory H		Screen Interval		Top		Bottom			
Well #	MW-01	APL-3-SB	Date:	3/12/2009	From MP in feet:						
Field Personnel:	J. Gosh		Weather:		40's Sunny		Percy				
Sampling Organization:	AECOM Environment		Pump Intake depth (ft below MP):		Purging Device; (pump type):						
Identify Measuring Point (MP):	PVC										
Clock Time	Water Depth below MP	Pump Dial'	Purge Rate	Cum. Volume Purged	Temp.	Spec. Cond. ²	pH	ORP/Eh ³	DO	Turbidity	Comments
24 HR	ft		ml/min	gal	°C	µS/cm	s.u.	mv	mg/L	NTU	
12:19	10.31	175	120		8.62	.456	6.60	8.0	2.82	4.2	
12:22	10.31	180	120		8.77	.468	6.65	-4.2	.92	22.4	
12:25	10.31	150	110		8.87	.472	6.71	-7.2	.89	17.3	
12:30	10.31	150	112		8.81	.475	6.68	-18.2	.80	13.6	
12:35	10.31	175	120		8.72	.475	6.66	-23.8	.77	12.9	
12:38	10.30	225	120		8.92	.474	6.69	-24.2	.62	10.3	
12:41	10.30	225	118		8.94	.474	6.66	-26.3	.57	8.68	
12:46	10.30	229	110		8.83	.473	6.66	-27.5	.50	5.19	
12:49	10.30	226	112		8.86	.472	6.64	-28.8	.49	5.19	
12:52	10.30	225	118		8.85	.472	6.66	-29.3	.49	5.21	
12:55	10.31	235	114		8.92	.472	6.68				Sample at 12:56

1. Pump dial setting (for example: hertz, cycles/min, etc)

2. µSiemens per cm (same as µmhos/cm at 25°C

3. Oxidation reduction potential (standard for Eh)

Temp +/- 3% ORP +/- 10 mV

Spec. Cond. +/- 3% DO +/- 10%

pH +/- 0.1 SU Turb. +/- 10% or <1

Well Purging-Field Water Quality Measurement Form

Location (Site/Facility Name):		Factory H		Screen Interval		Top		Bottom			
Well #	Date:	3/12/2009		From MP in feet:							
Field Personnel:	S. Galt		Pump Intake depth (ft below MP):		Percy						
Sampling Organization:	AECOM Environment		Purging Device; (pump type):		40's		Summary				
Identify Measuring Point (MP):	PVC		Weather:								
24 HR	Water Depth below MP	Pump Dial ¹	Purge Rate	Cum. Volume Purged	Temp.	Spec. Cond. ²	pH	ORP/ Eh ³	DO	Turbidity	Comments
	ft		ml/min	gal	°C	µS/cm	s.u.	mv	mg/L	NTU	
14:08	7.98	350	92		4.63	314	6.26	174.5	10.81	10.24	Sta water 7.95
14:13	7.98	550	90		4.56	307	6.11	184.0	10.05	7.02	
14:18	7.98	200	140		4.67	304	6.11	193.5	10.02	3.95	
14:21	7.98	200	150		4.53	302	6.08	197.3	10.03	2.00	
14:24	7.96	200	152		4.64	302	6.08	199.5	10.02	1.20	
											Sample ok
											14:25

1. Pump dial setting (for example: hertz, cycles/min, etc)
 2. µSiemens per cm (same as µmhos/cm at 25°C)
 3. Oxidation reduction potential (standard for Eh)
 Temp +/- 3% ORP +/- 10 mV
 Spec. Cond. +/- 3% DO +/- 10%
 pH +/- 0.1 SU Turb. +/- 10% or <1

Well Purging-Field Water Quality Measurement Form

Location (Site/Facility Name):		Factory H		Screen Interval		Top		Bottom			
Well #		M42-102		Date:		3/12/2009					
Field Personnel:		S. Green		Pump Intake depth (ft below MP):		90		Jenny Perry			
Sampling Organization:		AECOM Environment		Purging Device; (pump type):		90		Jenny Perry			
Identify Measuring Point (MP):		PVC		Weather:							
Clock Time	Water Depth below MP	Pump Dial ¹	Purge Rate	Cum. Volume Purged	Temp.	Spec. Cond. ²	pH	ORP/Eh ³	DO	Turbidity	Comments
24 HR	ft		ml/min	gal	°C	µS/cm	s.u.	mv	mg/L	NTU	
14:49	13.05	200	106		10.04	608	6.76	198.7	4.81	8.57	13.02
14:52	13.05	200	110		9.81	604	6.75	198.2	4.34	6.83	
14:55	13.07	200	110		11.80	607	6.76	192.0	4.21	4.25	
14:58	13.07	200	110		11.90	613	6.78	190.4	4.19	4.03	
15:01	13.07	200	118		11.91	416	6.79	188.5	4.26	3.26	
											Sample OK
											15.02

1. Pump dial setting (for example: hertz, cycles/min, etc)
 2. µSiemens per cm (same as µmhos/cm at 25°C)
 3. Oxidation reduction potential (standard-for Eh)
 Temp +/- 3% ORP +/- 10 mV
 Spec. Cond. +/- 3% DO +/- 10%
 pH +/- 0.1 SU Turb. +/- 10% or <1

Well Purging-Field Water Quality Measurement Form

Location (Site/Facility Name): Factory H		Screen Interval		Top		Bottom					
Well # MW-100		Date: 3/12/2009		From MP in feet:							
Field Personnel: SHORES		Pump Intake depth (ft below MP):		Purging Device: (pump type):		Peri					
Sampling Organization: AECOM Environment		Weather:		40° Sunny							
Identify Measuring Point (MP):		PVC									
Clock Time	Water Depth below MP	Pump Dial ¹	Purge Rate	Cum. Volume Purged	Temp.	Spec. Cond. ²	pH	ORP/Eh ³	DO	Turbidity	Comments
24 HR	ft		ml/min	gal	°C	µS/cm	s.u.	mv	mg/L	NTU	
12:53	15.57'		88		10.98	1032	6.84	192.2	5.40	67.8	
12:58	15.6'		92		10.44	1023	6.76	196.7	4.93	66.9	
13:03	15.7'		100		10.53	1020	6.73	196.5	4.82	54.7	
13:08	15.7'		96		10.59	1020	6.73	195.4	4.77	73.9	

1. Pump dial setting (for example: hertz, cycles/min, etc)
 2. µSiemens per cm (same as µmhos/cm at 25°C)
 3. Oxidation reduction potential (standard for Eh)
 Temp +/- 3% ORP +/- 10 mV
 Spec. Cond. +/- 3% DO +/- 10% Turb. +/- 10% or <1
 pH +/- 0.1 SU

Static = 15.6
 Started Pumping @ 12:15 pm
 Waited to monitor - not too busy erratic
 Sampled @ 1310

Well Purging-Field Water Quality Measurement Form

Location (Site/Facility Name): Factory H		Screen Interval		Top		Bottom					
Well # MW-101		Date: 3/12/2009		From MP in feet:							
Field Personnel: STABLES		Pump Intake depth (ft below MP):		Purging Device: (pump type):		PVC					
Sampling Organization: AECOM Environment		Weather:		42° Sunny							
Identify Measuring Point (MP):											
Clock Time	Water Depth below MP ft	Pump Dial ¹	Purge Rate ml/min	Cum. Volume Purged gal	Temp. °C	Spec. Cond. ² µS/cm	pH	ORP/Eh ³ mv	DO mg/L	Turbidity NTU	Comments
24 HR	1319		88		12.11	928	6.73	193	2.41	44.3	
	1326		112		12.38	852	6.68	192.7	1.16	2.4	
	1331		126		12.44	840	6.67	192.3	1.00	5.33	
	1345		120		12.39	828	6.67	192.0	0.92	3.27	
	1358		120		12.28	820	6.67	182.5	0.83	0.89	

1. Pump dial setting (for example: hertz, cycles/min, etc) 1.5 g purged

Static 15.25'

Started Pumping @ 1310

SAMPLED @ 1345

2. µSiemens per cm (same as umhos/cm at 25°C)
 3. Oxidation reduction potential (standard for Eh)
 Temp +/- 3%
 Spec. Cond. +/- 3%
 pH +/- 0.1 SU

Not possible - multiple tubings in 1" well,
 P:\Everyone\Forms\LOWFLOW no space for mete

Well Purging-Field Water Quality Measurement Form

Location (Site/Facility Name):		Factory H		Screen Interval		Top		Bottom			
Well #		AOC-17 MW-1		Date:		3/12/2009		From MP in feet:			
Field Personnel:		SHIZES		Pump Intake depth (ft below MP):		Purging Device; (pump type):		Weather:			
Sampling Organization:		AECOM Environment		Temp.		pH		DO			
Identify Measuring Point (MP):		PVC		Spec. Cond. ²		ORP/ Eh ³		Turbidity			
Clock Time	Water Depth below MP	Pump Dial ¹	Purge Rate ml/min	Cum. Volume Purged gal	Temp. °C	Spec. Cond. ² µS/cm	pH s.u.	ORP/ Eh ³ mv	DO mg/L	Turbidity NTU	Comments
1420	13.56		156		9.77	546	6.32	-47	0.82	15.0	
1425	13.55		142		9.72	571	6.39	-54.5	0.45	6.91	
1430	13.54		140		9.68	565	6.39	-54.9	0.34	6.91	
1434	13.54		140		9.67	565	6.39	-55.6	0.28	4.03	
1437	13.54		140		9.60	570	6.39	-56.1	0.24	3.28	
1441	13.54		140		9.62	570	6.39	-55.8	0.21	3.09	

1. Pump dial setting (for example: hertz, cycles/min, etc)
2. µSiemens per cm (same as µmhos/cm at 25°C)
3. Oxidation reduction potential (standard for Eh)
 - Temp +/- 3%
 - Spec. Cond. +/- 3%
 - pH +/- 0.1 SU
 - ORP +/- 10 mV
 - DO +/- 10%
 - Turb. +/- 10% or <1

19 purged
 Static 13.05'
 Started Pumping @ 1415
 Sampled @ 1445

Well Purging-Field Water Quality Measurement Form

Location (Site/Facility Name):		Factory H		Screen Interval		Top		Bottom			
Well #		ME-MW-01		Date:		3/12/2009		From MP in feet:			
Field Personnel:		SHORES		Pump Intake depth (ft below MP):		150		Weather:			
Sampling Organization:		AECOM Environment		Purging Device; (pump type):		PVC		450 Sunny			
Identify Measuring Point (MP):		PVC		Temp.		Spec. Cond. ²		pH			
24 HR	Water Depth below MP	Pump Dial ¹	Purge Rate	Cum. Volume Purged	Temp. °C	Spec. Cond. ² µS/cm	pH s.u.	ORP/Eh ³ mv	DO mg/L	Turbidity NTU	Comments
1457	15.0		134		11.35	592	6.68	77.8	0.57	3.25	
1501	15.0		144		11.35	546	6.68	95.2	1.54	4.69	
1506	15.0		142		11.24	549	6.67	107.4	0.88	4.36	
1510	15.0		140		11.26	547	6.66	115.2	0.55	3.71	
1515	15.0		140		11.27	547	6.66	120.5	0.42	4.11	
1520	15.0		140		11.20	549	6.66	127.1	0.34	3.72	

- 1. Pump dial setting (for example: hertz, cycles/min, etc)
 - 2. µSiemens per cm (same as µmhos/cm) at 25°C
 - 3. Oxidation reduction potential (standard for Eh)
- Temp +/- 3% ORP +/- 10 mV
 Spec. Cond. +/- 3% DO +/- 10%
 pH +/- 0.1 SU Turb. +/- 10% or <1

Static: 14,37'
 Started purging @ 1450
 Sampled @ 1523

Appendix E

Laboratory Analytical Data



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 3/2/2009

AECOM - ROCKY HILL, CT
500 ENTERPRISE DRIVE, SUITE 1A
ROCKY HILL, CT 06067
ATTN: S.PERHALA/J.BONDOS

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-23332

JOB NUMBER: 80073489

PROJECT LOCATION: MERIDEN FACTORY H

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos.
ME-SB-06 0-1 FT	09B04561	SOIL	Not Specified	8260 dry weight	
ME-SB-06 0-1 FT	09B04561	SOIL	Not Specified	pah - sludge	
ME-SB-06 0-1 FT	09B04561	SOIL	Not Specified	pb (mg/kg)dw icp	
ME-SB-06 0-1 FT	09B04561	SOIL	Not Specified	solids (percent)	
ME-SB-06 2-3 FT	09B04562	SOIL	Not Specified	8260 dry weight	
ME-SB-06 2-3 FT	09B04562	SOIL	Not Specified	pah - sludge	
ME-SB-06 2-3 FT	09B04562	SOIL	Not Specified	pb (mg/kg)dw icp	
ME-SB-06 2-3 FT	09B04562	SOIL	Not Specified	solids (percent)	
ME-SB-07 0-1 FT	09B04563	SOIL	Not Specified	8260 dry weight	
ME-SB-07 0-1 FT	09B04563	SOIL	Not Specified	pah - sludge	
ME-SB-07 0-1 FT	09B04563	SOIL	Not Specified	pb (mg/kg)dw icp	
ME-SB-07 0-1 FT	09B04563	SOIL	Not Specified	solids (percent)	
ME-SB-07 2-4 FT	09B04564	SOIL	Not Specified	8260 dry weight	
ME-SB-07 2-4 FT	09B04564	SOIL	Not Specified	pah - sludge	
ME-SB-07 2-4 FT	09B04564	SOIL	Not Specified	pb (mg/kg)dw icp	
ME-SB-07 2-4 FT	09B04564	SOIL	Not Specified	solids (percent)	
ME-SB-DUP	09B04568	SOIL	Not Specified	8260 dry weight	
ME-SB-DUP	09B04568	SOIL	Not Specified	pah - sludge	
ME-SB-DUP	09B04568	SOIL	Not Specified	pb (mg/kg)dw icp	
ME-SB-DUP	09B04568	SOIL	Not Specified	solids (percent)	
ME-SS-01 0-1 FT	09B04553	SOIL	Not Specified	cu (mg/kg)dw icp	
ME-SS-01 0-1 FT	09B04553	SOIL	Not Specified	pah - sludge	
ME-SS-01 0-1 FT	09B04553	SOIL	Not Specified	pb (mg/kg)dw icp	
ME-SS-01 0-1 FT	09B04553	SOIL	Not Specified	solids (percent)	
ME-SS-02 0-1 FT	09B04554	SOIL	Not Specified	cu (mg/kg)dw icp	
ME-SS-02 0-1 FT	09B04554	SOIL	Not Specified	pah - sludge	
ME-SS-02 0-1 FT	09B04554	SOIL	Not Specified	pb (mg/kg)dw icp	
ME-SS-02 0-1 FT	09B04554	SOIL	Not Specified	solids (percent)	
ME-SS-03 0-1 FT	09B04555	SOIL	Not Specified	cu (mg/kg)dw icp	
ME-SS-03 0-1 FT	09B04555	SOIL	Not Specified	pah - sludge	
ME-SS-03 0-1 FT	09B04555	SOIL	Not Specified	pb (mg/kg)dw icp	
ME-SS-03 0-1 FT	09B04555	SOIL	Not Specified	solids (percent)	
ME-SS-04 0-1 FT	09B04556	SOIL	Not Specified	cu (mg/kg)dw icp	
ME-SS-04 0-1 FT	09B04556	SOIL	Not Specified	pah - sludge	
ME-SS-04 0-1 FT	09B04556	SOIL	Not Specified	pb (mg/kg)dw icp	
ME-SS-04 0-1 FT	09B04556	SOIL	Not Specified	solids (percent)	
ME-SS-05 0-1 FT	09B04557	SOIL	Not Specified	cu (mg/kg)dw icp	
ME-SS-05 0-1 FT	09B04557	SOIL	Not Specified	pah - sludge	
ME-SS-05 0-1 FT	09B04557	SOIL	Not Specified	pb (mg/kg)dw icp	



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REPORT DATE 3/2/2009

AECOM - ROCKY HILL, CT
500 ENTERPRISE DRIVE, SUITE 1A
ROCKY HILL, CT 06067
ATTN: S.PERHALA/J.BONDOS

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-23332

JOB NUMBER: 60073489

ME-SS-05 0-1 FT	09B04557	SOIL	Not Specified	solids (percent)
ME-SS-06 0-1 FT	09B04558	SOIL	Not Specified	cu (mg/kg)dw icp
ME-SS-06 0-1 FT	09B04558	SOIL	Not Specified	pah - sludge
ME-SS-06 0-1 FT	09B04558	SOIL	Not Specified	pb (mg/kg)dw icp
ME-SS-06 0-1 FT	09B04558	SOIL	Not Specified	solids (percent)
ME-SS-07 0-1 FT	09B04559	SOIL	Not Specified	cu (mg/kg)dw icp
ME-SS-07 0-1 FT	09B04559	SOIL	Not Specified	pah - sludge
ME-SS-07 0-1 FT	09B04559	SOIL	Not Specified	pb (mg/kg)dw icp
ME-SS-07 0-1 FT	09B04559	SOIL	Not Specified	solids (percent)
ME-SS-08 0-1 FT	09B04560	SOIL	Not Specified	cu (mg/kg)dw icp
ME-SS-08 0-1 FT	09B04560	SOIL	Not Specified	pah - sludge
ME-SS-08 0-1 FT	09B04560	SOIL	Not Specified	pb (mg/kg)dw icp
ME-SS-08 0-1 FT	09B04560	SOIL	Not Specified	solids (percent)
ME-SS-09 1-1.5 FT	09B04570	SOIL	Not Specified	etph dry weight
ME-SS-09 1-1.5 FT	09B04570	SOIL	Not Specified	metals(15pp)scip
ME-SS-09 1-1.5 FT	09B04570	SOIL	Not Specified	pah - sludge
ME-SS-09 1-1.5 FT	09B04570	SOIL	Not Specified	solids (percent)
ME-SS-10 0-1 FT	09B04565	SOIL	Not Specified	etph dry weight
ME-SS-10 0-1 FT	09B04565	SOIL	Not Specified	metals(15pp)scip
ME-SS-10 0-1 FT	09B04565	SOIL	Not Specified	pah - sludge
ME-SS-10 0-1 FT	09B04565	SOIL	Not Specified	solids (percent)
ME-SS-11 1-1.5 FT	09B04566	SOIL	Not Specified	etph dry weight
ME-SS-11 1-1.5 FT	09B04566	SOIL	Not Specified	metals(15pp)scip
ME-SS-11 1-1.5 FT	09B04566	SOIL	Not Specified	pah - sludge
ME-SS-11 1-1.5 FT	09B04566	SOIL	Not Specified	solids (percent)
ME-SS-12 0-1 FT	09B04567	SOIL	Not Specified	etph dry weight
ME-SS-12 0-1 FT	09B04567	SOIL	Not Specified	metals(15pp)scip
ME-SS-12 0-1 FT	09B04567	SOIL	Not Specified	pah - sludge
ME-SS-12 0-1 FT	09B04567	SOIL	Not Specified	solids (percent)
ME-SS-DUP	09B04569	SOIL	Not Specified	cu (mg/kg)dw icp
ME-SS-DUP	09B04569	SOIL	Not Specified	pah - sludge
ME-SS-DUP	09B04569	SOIL	Not Specified	pb (mg/kg)dw icp
ME-SS-DUP	09B04569	SOIL	Not Specified	solids (percent)
TRIP BLANK 02170	09B04571	LIQUIDS	Not Specified	8280 solid

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CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-23332

JOB NUMBER: 60073489

Comments :

LIMS BATCH NO. : LIMIT-23332

CASE NARRATIVE SUMMARY

Recommended sample holding times were not exceeded for all samples analyzed by method(s) listed unless listed below: None Exceeded

All samples for the method(s) listed were received preserved properly in the proper containers at 4 degrees C +/- 2 degrees as specified on the chain-of-custody form unless listed below:
All properly preserved

In method 8260 soil and solid, the initial and/or continuing calibration did not meet method specifications. For samples 09B04561 - 564, 568, and 571, Acetone, tert-Butyl Alcohol, 2-Butanone, Tetrahydrofuran, and 1,4-Dioxane were calibrated with a relative response factor <0.05.

In method 8260 for sample 09B04561, the matrix spike recovery for tert-Butyl Alcohol is biased on the low side. Analysis is in control based on laboratory control sample. Possibility of sample matrix effects that lead to low bias for reported results cannot be eliminated.

In method 6010, the low level calibration check is outside control limits for Zn. Reported results for this element at or near the detection limit may be bias on the high side.

In method 6010, the matrix spike is outside of control limits for Cu and Pb. Analysis is in control based on laboratory fortified blank recovery. Sample non-homogeneity may have contributed to the outlier. Possibility of sample matrix effects that may lead to a low bias for reported results cannot be eliminated. Recoveries were greater than 30%, no corrective action is necessary.

There are no other issues which affect the usability of the data.

DETAILED CASE NARRATIVE

METHOD SW846 8260 SOIL - ADDITIONAL COMMENTS

In method 8260 soil and solid for Bromomethane and Bromoform in samples 09B04561 - 564, 568, and 571, data is not affected by continuing calibration non-conformance since bias is on the high side and all results are "not detected".

The LCS recoveries for required CT reasonable confidence protocol (RCP) 8260 compounds were all within limits specified by the method except for "difficult analytes" where control limits somewhere between 40-160% are used and/or unless otherwise listed in this narrative:

Difficult analytes: MIBK, MEK, Tert-butyl Alcohol, Acetone, 1,4-Dioxane, Vinyl Chloride, Chloromethane, Dichlorodifluoromethane, 2-Hexanone, Naphthalene, and Bromomethane.

Additional difficult analytes in water only: 2,2-Dichloropropane and Tetrachloroethylene

Additional difficult analytes in soil only: Acrylonitrile, 1,2,3-Trichloropropane,

Methylene Chloride, n-Butylbenzene, and Tert-butylbenzene.

Compounds outside of control limits:

None outside of control limits

In method 8260 soil, data is not affected by laboratory fortified blank (laboratory control sample) recovery outlier(s) for Bromoform since all results are "not detected" and recovery bias is on the high side.

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CONTRACT NUMBER:
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PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-23332

JOB NUMBER: 60073489

All 8260 MS and MSD recoveries, sample duplicate RPD's, and MSD RPD's, if requested in this batch, were within control limits specified by the method unless listed below:

In method 8260 soil for sample 09B04561, data is not affected by matrix spike recovery outlier(s) for Acetone since all results are "not detected" and recovery bias is on the high side.

CT ETPH METHOD - ADDITIONAL COMMENTS

In method CT ETPH, sample 09B04565 (x10) was diluted because undiluted results were over the verified linear calibration range.

METHOD SW846-6010 - ADDITIONAL DETAILS

A duplicate and matrix spike were performed on sample 09B04553.

Only Cu and Pb results were requested and reported for samples 09B04553 - 04560, and 04569.
Only Pb results were requested and reported for samples 09B04561 - 04564, and 04568.

METHOD SW846 8270 SOLID - ADDITIONAL COMMENTS

If dilutions were performed only one dilution within the linear calibrated region of the curve is reported. All 8270 samples were analyzed undiluted unless specified below:

Sample	Dilution(s)
09B04554	2x, 20x
09B04558	4x
09B04559	1x, 5x
09B04560	2x
09B04561	2x
09B04563	5x
09B04565	2x
09B04567	5x
09B04569	2x

In method 8270 sample(s) 09B04554, 09B04558-09B04561, 09B04563, 09B04565, 09B04567 and 09B04569 were diluted due to high levels of target or non-target compounds in the sample.

The LCS sample recoveries for required RCP 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for "difficult analytes" listed below and/or otherwise listed in this narrative:

Difficult analytes for soil - limits between 10 and 180% depending on the compound
(see QC summary for limits): 3,3'-Dichlorobenzidine, Pyridine, Aniline, 4-Chloroaniline,
3-Nitroaniline, and n-Nitrosodiphenylamine

Compounds outside of control limits:

None outside of control limits

All RCP analyte list compounds were reported for method 8270 unless listed below:

Only PAH compounds were requested and reported.

All reporting limits specified on the chain-of-custody were met, except for Pyridine for the most protective criteria since the laboratory cannot achieve the required RCP calibration criteria at



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REPORT DATE 3/2/2009

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ROCKY HILL, CT 06067
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CONTRACT NUMBER:
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ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-23332

JOB NUMBER: 60073489

these levels, unless specified below:
All other requested reporting limits are met.

The results of analyses performed are based on samples as submitted to the laboratory and relate only to the items collected and tested.

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations. AIHA accreditations only apply to NIOSH methods and Environmental Lead Analyses.

AIHA 100033	AIHA ELLAP (LEAD) 100033	NORTH CAROLINA CERT. # 652
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	FLORIDA DOH E871027 (AIR)
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

3/2/09

Tod Kopyscinski
Air Laboratory Manager

Michael Erickson
Assistant Laboratory Director

SIGNATURE

DATE

Edward Denson
Technical Director

Daren Damboragian
Organics Department Supervisor

* See end of data tabulation for notes and comments pertaining to this sample

S.PERHALAJ.BONDOS
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3/2/2009
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Purchase Order No.:

Project Location: MERIDEN FACTORY H
 Date Received: 2/18/2009
 Field Sample #: ME-SB-06 0-1 FT

LIMS-BAT #: LIMT-23332
 Job Number: 60073489

Sample ID : 09B04561 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	mg/kg dry wt	ND	02/19/09	MFF	0.100			
Acrylonitrile	mg/kg dry wt	ND	02/19/09	MFF	0.006			
tert-Amylmethyl Ether	mg/kg dry wt	ND	02/19/09	MFF	0.001			
Benzene	mg/kg dry wt	ND	02/19/09	MFF	0.002			
Bromobenzene	mg/kg dry wt	ND	02/19/09	MFF	0.002			
Bromochloromethane	mg/kg dry wt	ND	02/19/09	MFF	0.002			
Bromodichloromethane	mg/kg dry wt	ND	02/19/09	MFF	0.002			
Bromoform	mg/kg dry wt	ND	02/19/09	MFF	0.002			
Bromomethane	mg/kg dry wt	ND	02/19/09	MFF	0.010			
2-Butanone (MEK)	mg/kg dry wt	ND	02/19/09	MFF	0.040			
tert-Butyl Alcohol	mg/kg dry wt	ND	02/19/09	MFF	0.040			
n-Butylbenzene	mg/kg dry wt	ND	02/19/09	MFF	0.002			
sec-Butylbenzene	mg/kg dry wt	ND	02/19/09	MFF	0.002			
tert-Butylbenzene	mg/kg dry wt	ND	02/19/09	MFF	0.002			
tert-Butylethyl Ether	mg/kg dry wt	ND	02/19/09	MFF	0.001			
Carbon Disulfide	mg/kg dry wt	ND	02/19/09	MFF	0.006			
Carbon Tetrachloride	mg/kg dry wt	ND	02/19/09	MFF	0.002			
Chlorobenzene	mg/kg dry wt	ND	02/19/09	MFF	0.002			
Chlorodibromomethane	mg/kg dry wt	ND	02/19/09	MFF	0.001			
Chloroethane	mg/kg dry wt	ND	02/19/09	MFF	0.020			
Chloroform	mg/kg dry wt	ND	02/19/09	MFF	0.004			
Chloromethane	mg/kg dry wt	ND	02/19/09	MFF	0.010			
2-Chlorotoluene	mg/kg dry wt	ND	02/19/09	MFF	0.002			
4-Chlorotoluene	mg/kg dry wt	ND	02/19/09	MFF	0.002			
1,2-Dibromo-3-Chloropropane	mg/kg dry wt	ND	02/19/09	MFF	0.002			
1,2-Dibromoethane	mg/kg dry wt	ND	02/19/09	MFF	0.001			
Dibromomethane	mg/kg dry wt	ND	02/19/09	MFF	0.002			
1,2-Dichlorobenzene	mg/kg dry wt	ND	02/19/09	MFF	0.002			
1,3-Dichlorobenzene	mg/kg dry wt	ND	02/19/09	MFF	0.002			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
 ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: MERIDEN FACTORY H
 Date Received: 2/18/2009
 Field Sample #: ME-SB-06 0-1 FT

LIMS-BAT #: LIMIT-23332
 Job Number: 60073489

Sample ID: 09B04561 ‡Sampled: 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
1,4-Dichlorobenzene	mg/kg dry wt	ND	02/19/09	MFF	0.002			
trans-1,4-Dichloro-2-Butene	mg/kg dry wt	ND	02/19/09	MFF	0.004			
Dichlorodifluoromethane	mg/kg dry wt	ND	02/19/09	MFF	0.020			
1,1-Dichloroethane	mg/kg dry wt	ND	02/19/09	MFF	0.002			
1,2-Dichloroethane	mg/kg dry wt	ND	02/19/09	MFF	0.002			
1,1-Dichloroethylene	mg/kg dry wt	ND	02/19/09	MFF	0.004			
cis-1,2-Dichloroethylene	mg/kg dry wt	ND	02/19/09	MFF	0.002			
trans-1,2-Dichloroethylene	mg/kg dry wt	ND	02/19/09	MFF	0.002			
1,2-Dichloropropane	mg/kg dry wt	ND	02/19/09	MFF	0.002			
1,3-Dichloropropane	mg/kg dry wt	ND	02/19/09	MFF	0.001			
2,2-Dichloropropane	mg/kg dry wt	ND	02/19/09	MFF	0.002			
1,1-Dichloropropene	mg/kg dry wt	ND	02/19/09	MFF	0.002			
cis-1,3-Dichloropropene	mg/kg dry wt	ND	02/19/09	MFF	0.001			
trans-1,3-Dichloropropene	mg/kg dry wt	ND	02/19/09	MFF	0.001			
Diethyl Ether	mg/kg dry wt	ND	02/19/09	MFF	0.020			
Diisopropyl Ether	mg/kg dry wt	ND	02/19/09	MFF	0.001			
1,4-Dioxane	mg/kg dry wt	ND	02/19/09	MFF	0.100			
Ethyl Benzene	mg/kg dry wt	ND	02/19/09	MFF	0.002			
Hexachlorobutadiene	mg/kg dry wt	ND	02/19/09	MFF	0.002			
2-Hexanone	mg/kg dry wt	ND	02/19/09	MFF	0.020			
Isopropylbenzene	mg/kg dry wt	ND	02/19/09	MFF	0.002			
p-Isopropyltoluene	mg/kg dry wt	ND	02/19/09	MFF	0.002			
MTBE	mg/kg dry wt	ND	02/19/09	MFF	0.004			
Methylene Chloride	mg/kg dry wt	ND	02/19/09	MFF	0.020			
MIBK	mg/kg dry wt	ND	02/19/09	MFF	0.020			
Naphthalene	mg/kg dry wt	ND	02/19/09	MFF	0.004			
n-Propylbenzene	mg/kg dry wt	ND	02/19/09	MFF	0.002			
Styrene	mg/kg dry wt	ND	02/19/09	MFF	0.002			
1,1,1,2-Tetrachloroethane	mg/kg dry wt	ND	02/19/09	MFF	0.002			

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Purchase Order No.:

Project Location: MERIDEN FACTORY H
 Date Received: 2/18/2009
 Field Sample #: ME-SB-06 0-1 FT

LIMS-BAT #: LIMIT-23332
 Job Number: 60073489

Sample ID : 09B04561 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
1,1,2,2-Tetrachloroethane	mg/kg dry wt	ND	02/19/09	MFF	0.001			
Tetrachloroethylene	mg/kg dry wt	ND	02/19/09	MFF	0.002			
Tetrahydrofuran	mg/kg dry wt	ND	02/19/09	MFF	0.010			
Toluene	mg/kg dry wt	ND	02/19/09	MFF	0.002			
1,2,3-Trichlorobenzene	mg/kg dry wt	ND	02/19/09	MFF	0.002			
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	02/19/09	MFF	0.002			
1,3,5-Trichlorobenzene	mg/kg dry wt	ND	02/19/09	MFF	0.002			
1,1,1-Trichloroethane	mg/kg dry wt	ND	02/19/09	MFF	0.002			
1,1,2-Trichloroethane	mg/kg dry wt	ND	02/19/09	MFF	0.002			
Trichloroethylene	mg/kg dry wt	ND	02/19/09	MFF	0.002			
Trichlorofluoromethane	mg/kg dry wt	ND	02/19/09	MFF	0.010			
1,2,3-Trichloropropane	mg/kg dry wt	ND	02/19/09	MFF	0.002			
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg dry wt	ND	02/19/09	MFF	0.010			
1,2,4-Trimethylbenzene	mg/kg dry wt	ND	02/19/09	MFF	0.002			
1,3,5-Trimethylbenzene	mg/kg dry wt	ND	02/19/09	MFF	0.002			
Vinyl Chloride	mg/kg dry wt	ND	02/19/09	MFF	0.010			
m + p Xylene	mg/kg dry wt	ND	02/19/09	MFF	0.004			
o-Xylene	mg/kg dry wt	ND	02/19/09	MFF	0.002			

Analytical Method:
 SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit

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Purchase Order No.:

Project Location: MERIDEN FACTORY H
 Date Received: 2/18/2009
 Field Sample #: ME-SB-06 2-3 FT

LIMS-BAT #: LIMT-23332
 Job Number: 60073489

Sample ID : 09B04562 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
1,1,2,2-Tetrachloroethane	mg/kg dry wt	ND	02/19/09	MFF	0.002			
Tetrachloroethylene	mg/kg dry wt	ND	02/19/09	MFF	0.003			
Tetrahydrofuran	mg/kg dry wt	ND	02/19/09	MFF	0.015			
Toluene	mg/kg dry wt	ND	02/19/09	MFF	0.003			
1,2,3-Trichlorobenzene	mg/kg dry wt	ND	02/19/09	MFF	0.003			
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	02/19/09	MFF	0.003			
1,3,5-Trichlorobenzene	mg/kg dry wt	ND	02/19/09	MFF	0.003			
1,1,1-Trichloroethane	mg/kg dry wt	ND	02/19/09	MFF	0.003			
1,1,2-Trichloroethane	mg/kg dry wt	ND	02/19/09	MFF	0.003			
Trichloroethylene	mg/kg dry wt	ND	02/19/09	MFF	0.003			
Trichlorofluoromethane	mg/kg dry wt	ND	02/19/09	MFF	0.015			
1,2,3-Trichloropropane	mg/kg dry wt	ND	02/19/09	MFF	0.003			
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg dry wt	ND	02/19/09	MFF	0.015			
1,2,4-Trimethylbenzene	mg/kg dry wt	ND	02/19/09	MFF	0.003			
1,3,5-Trimethylbenzene	mg/kg dry wt	ND	02/19/09	MFF	0.003			
Vinyl Chloride	mg/kg dry wt	ND	02/19/09	MFF	0.015			
m + p Xylene	mg/kg dry wt	ND	02/19/09	MFF	0.006			
o-Xylene	mg/kg dry wt	ND	02/19/09	MFF	0.003			

Analytical Method:

SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

S.PERHALA/J.BONDOS
 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
 ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: MERIDEN FACTORY H
 Date Received: 2/18/2009
 Field Sample #: ME-SB-07 0-1 FT

LIMS-BAT #: LIMIT-23332
 Job Number: 60073489

Sample ID : 09B04563 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	mg/kg dry wt	ND	02/19/09	MFF	0.24			
Acrylonitrile	mg/kg dry wt	ND	02/19/09	MFF	0.014			
tert-Amylmethyl Ether	mg/kg dry wt	ND	02/19/09	MFF	0.003			
Benzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
Bromobenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
Bromochloromethane	mg/kg dry wt	ND	02/19/09	MFF	0.005			
Bromodichloromethane	mg/kg dry wt	ND	02/19/09	MFF	0.005			
Bromoform	mg/kg dry wt	ND	02/19/09	MFF	0.005			
Bromomethane	mg/kg dry wt	ND	02/19/09	MFF	0.024			
2-Butanone (MEK)	mg/kg dry wt	ND	02/19/09	MFF	0.093			
tert-Butyl Alcohol	mg/kg dry wt	ND	02/19/09	MFF	0.093			
n-Butylbenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
sec-Butylbenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
tert-Butylbenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
tert-Butylethyl Ether	mg/kg dry wt	ND	02/19/09	MFF	0.003			
Carbon Disulfide	mg/kg dry wt	ND	02/19/09	MFF	0.014			
Carbon Tetrachloride	mg/kg dry wt	ND	02/19/09	MFF	0.005			
Chlorobenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
Chlorodibromomethane	mg/kg dry wt	ND	02/19/09	MFF	0.003			
Chloroethane	mg/kg dry wt	ND	02/19/09	MFF	0.047			
Chloroform	mg/kg dry wt	ND	02/19/09	MFF	0.010			
Chloromethane	mg/kg dry wt	ND	02/19/09	MFF	0.024			
2-Chlorotoluene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
4-Chlorotoluene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,2-Dibromo-3-Chloropropane	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,2-Dibromoethane	mg/kg dry wt	ND	02/19/09	MFF	0.003			
Dibromomethane	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,2-Dichlorobenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,3-Dichlorobenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			

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S.PERHALA/J.BONDOS
 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
 ROCKY HILL, CT 06067

3/2/2009
 Page 8 of 53

Purchase Order No.:

Project Location: MERIDEN FACTORY H
 Date Received: 2/18/2009
 Field Sample #: ME-SB-07 0-1 FT

LIMS-BAT #: LIMIT-23332
 Job Number: 60073489

Sample ID: 09B04563 ‡Sampled: 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
1,4-Dichlorobenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
trans-1,4-Dichloro-2-Butene	mg/kg dry wt	ND	02/19/09	MFF	0.010			
Dichlorodifluoromethane	mg/kg dry wt	ND	02/19/09	MFF	0.047			
1,1-Dichloroethane	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,2-Dichloroethane	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,1-Dichloroethylene	mg/kg dry wt	ND	02/19/09	MFF	0.010			
cis-1,2-Dichloroethylene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
trans-1,2-Dichloroethylene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,2-Dichloropropane	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,3-Dichloropropane	mg/kg dry wt	ND	02/19/09	MFF	0.003			
2,2-Dichloropropane	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,1-Dichloropropene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
cis-1,3-Dichloropropene	mg/kg dry wt	ND	02/19/09	MFF	0.003			
trans-1,3-Dichloropropene	mg/kg dry wt	ND	02/19/09	MFF	0.003			
Diethyl Ether	mg/kg dry wt	ND	02/19/09	MFF	0.047			
Diisopropyl Ether	mg/kg dry wt	ND	02/19/09	MFF	0.003			
1,4-Dioxane	mg/kg dry wt	ND	02/19/09	MFF	0.24			
Ethyl Benzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
Hexachlorobutadiene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
2-Hexanone	mg/kg dry wt	ND	02/19/09	MFF	0.047			
Isopropylbenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
p-Isopropyltoluene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
MTBE	mg/kg dry wt	ND	02/19/09	MFF	0.010			
Methylene Chloride	mg/kg dry wt	ND	02/19/09	MFF	0.047			
MIBK	mg/kg dry wt	ND	02/19/09	MFF	0.047			
Naphthalene	mg/kg dry wt	ND	02/19/09	MFF	0.010			
n-Propylbenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
Styrene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,1,1,2-Tetrachloroethane	mg/kg dry wt	ND	02/19/09	MFF	0.005			

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 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
 ROCKY HILL, CT 06067

3/2/2009
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Purchase Order No.:

Project Location: MERIDEN FACTORY H
 Date Received: 2/18/2009
 Field Sample #: ME-SB-07 0-1 FT

LIMS-BAT #: LIMIT-23332
 Job Number: 60073489

Sample ID : 09B04563 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
1,1,2,2-Tetrachloroethane	mg/kg dry wt	ND	02/19/09	MFF	0.003			
Tetrachloroethylene	mg/kg dry wt	0.008	02/19/09	MFF	0.005			
Tetrahydrofuran	mg/kg dry wt	ND	02/19/09	MFF	0.024			
Toluene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,2,3-Trichlorobenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,3,5-Trichlorobenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,1,1-Trichloroethane	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,1,2-Trichloroethane	mg/kg dry wt	ND	02/19/09	MFF	0.005			
Trichloroethylene	mg/kg dry wt	0.12	02/19/09	MFF	0.005			
Trichlorofluoromethane	mg/kg dry wt	ND	02/19/09	MFF	0.024			
1,2,3-Trichloropropane	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg dry wt	ND	02/19/09	MFF	0.024			
1,2,4-Trimethylbenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,3,5-Trimethylbenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
Vinyl Chloride	mg/kg dry wt	ND	02/19/09	MFF	0.024			
m + p Xylene	mg/kg dry wt	ND	02/19/09	MFF	0.010			
o-Xylene	mg/kg dry wt	ND	02/19/09	MFF	0.005			

Analytical Method:
 SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

S.PERHALA/J.BONDOS
 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
 ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: MERIDEN FACTORY H
 Date Received: 2/18/2009
 Field Sample #: ME-SB-07 2-4 FT

LIMS-BAT #: LIMIT-23332
 Job Number: 60073489

Sample ID: 09B04564 ‡Sampled: 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	mg/kg dry wt	ND	02/19/09	MFF	0.23			
Acrylonitrile	mg/kg dry wt	ND	02/19/09	MFF	0.014			
tert-Amylmethyl Ether	mg/kg dry wt	ND	02/19/09	MFF	0.003			
Benzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
Bromobenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
Bromochloromethane	mg/kg dry wt	ND	02/19/09	MFF	0.005			
Bromodichloromethane	mg/kg dry wt	ND	02/19/09	MFF	0.005			
Bromoform	mg/kg dry wt	ND	02/19/09	MFF	0.005			
Bromomethane	mg/kg dry wt	ND	02/19/09	MFF	0.023			
2-Butanone (MEK)	mg/kg dry wt	ND	02/19/09	MFF	0.089			
tert-Butyl Alcohol	mg/kg dry wt	ND	02/19/09	MFF	0.089			
n-Butylbenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
sec-Butylbenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
tert-Butylbenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
tert-Butylethyl Ether	mg/kg dry wt	ND	02/19/09	MFF	0.003			
Carbon Disulfide	mg/kg dry wt	ND	02/19/09	MFF	0.014			
Carbon Tetrachloride	mg/kg dry wt	ND	02/19/09	MFF	0.005			
Chlorobenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
Chlorodibromomethane	mg/kg dry wt	ND	02/19/09	MFF	0.003			
Chloroethane	mg/kg dry wt	ND	02/19/09	MFF	0.045			
Chloroform	mg/kg dry wt	ND	02/19/09	MFF	0.009			
Chloromethane	mg/kg dry wt	ND	02/19/09	MFF	0.023			
2-Chlorotoluene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
4-Chlorotoluene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,2-Dibromo-3-Chloropropane	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,2-Dibromoethane	mg/kg dry wt	ND	02/19/09	MFF	0.003			
Dibromomethane	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,2-Dichlorobenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,3-Dichlorobenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			

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39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

S.PERHALA/J.BONDOS
 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
 ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: MERIDEN FACTORY H
 Date Received: 2/18/2009
 Field Sample #: ME-SB-07 2-4 FT

LIMS-BAT #: LIMIT-23332
 Job Number: 60073489

Sample ID : 09B04564 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
1,4-Dichlorobenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
trans-1,4-Dichloro-2-Butene	mg/kg dry wt	ND	02/19/09	MFF	0.009			
Dichlorodifluoromethane	mg/kg dry wt	ND	02/19/09	MFF	0.045			
1,1-Dichloroethane	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,2-Dichloroethane	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,1-Dichloroethylene	mg/kg dry wt	ND	02/19/09	MFF	0.009			
cis-1,2-Dichloroethylene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
trans-1,2-Dichloroethylene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,2-Dichloropropane	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,3-Dichloropropane	mg/kg dry wt	ND	02/19/09	MFF	0.003			
2,2-Dichloropropane	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,1-Dichloropropene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
cis-1,3-Dichloropropene	mg/kg dry wt	ND	02/19/09	MFF	0.003			
trans-1,3-Dichloropropene	mg/kg dry wt	ND	02/19/09	MFF	0.003			
Diethyl Ether	mg/kg dry wt	ND	02/19/09	MFF	0.045			
Diisopropyl Ether	mg/kg dry wt	ND	02/19/09	MFF	0.003			
1,4-Dioxane	mg/kg dry wt	ND	02/19/09	MFF	0.23			
Ethyl Benzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
Hexachlorobutadiene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
2-Hexanone	mg/kg dry wt	ND	02/19/09	MFF	0.045			
Isopropylbenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
p-Isopropyltoluene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
MTBE	mg/kg dry wt	ND	02/19/09	MFF	0.009			
Methylene Chloride	mg/kg dry wt	ND	02/19/09	MFF	0.045			
MIBK	mg/kg dry wt	ND	02/19/09	MFF	0.045			
Naphthalene	mg/kg dry wt	ND	02/19/09	MFF	0.009			
n-Propylbenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
Styrene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,1,1,2-Tetrachloroethane	mg/kg dry wt	ND	02/19/09	MFF	0.005			

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 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
 ROCKY HILL, CT 06067

3/2/2009
 Page 12 of 53

Purchase Order No.:

Project Location: MERIDEN FACTORY H
 Date Received: 2/18/2009
 Field Sample #: ME-SB-07 2-4 FT

LIMS-BAT #: LIMIT-23332
 Job Number: 60073489

Sample ID: 09B04564 ‡Sampled: 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
1,1,2,2-Tetrachloroethane	mg/kg dry wt	ND	02/19/09	MFF	0.003			
Tetrachloroethylene	mg/kg dry wt	0.042	02/19/09	MFF	0.005			
Tetrahydrofuran	mg/kg dry wt	ND	02/19/09	MFF	0.023			
Toluene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,2,3-Trichlorobenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,3,5-Trichlorobenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,1,1-Trichloroethane	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,1,2-Trichloroethane	mg/kg dry wt	ND	02/19/09	MFF	0.005			
Trichloroethylene	mg/kg dry wt	0.32	02/19/09	MFF	0.005			
Trichlorofluoromethane	mg/kg dry wt	ND	02/19/09	MFF	0.023			
1,2,3-Trichloropropane	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg dry wt	ND	02/19/09	MFF	0.023			
1,2,4-Trimethylbenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,3,5-Trimethylbenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
Vinyl Chloride	mg/kg dry wt	ND	02/19/09	MFF	0.023			
m + p Xylene	mg/kg dry wt	ND	02/19/09	MFF	0.009			
o-Xylene	mg/kg dry wt	ND	02/19/09	MFF	0.005			

Analytical Method:

SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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 500 ENTERPRISE DRIVE, SUITE 1A
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Purchase Order No.:

Project Location: MERIDEN FACTORY H
 Date Received: 2/18/2009
 Field Sample #: ME-SB-DUP

LIMS-BAT #: LIMIT-23332
 Job Number: 60073489

Sample ID : 09B04568 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	mg/kg dry wt	ND	02/19/09	MFF	0.21			
Acrylonitrile	mg/kg dry wt	ND	02/19/09	MFF	0.013			
tert-Amylmethyl Ether	mg/kg dry wt	ND	02/19/09	MFF	0.003			
Benzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
Bromobenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
Bromochloromethane	mg/kg dry wt	ND	02/19/09	MFF	0.005			
Bromodichloromethane	mg/kg dry wt	ND	02/19/09	MFF	0.005			
Bromoform	mg/kg dry wt	ND	02/19/09	MFF	0.005			
Bromomethane	mg/kg dry wt	ND	02/19/09	MFF	0.021			
2-Butanone (MEK)	mg/kg dry wt	ND	02/19/09	MFF	0.084			
tert-Butyl Alcohol	mg/kg dry wt	ND	02/19/09	MFF	0.084			
n-Butylbenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
sec-Butylbenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
tert-Butylbenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
tert-Butylethyl Ether	mg/kg dry wt	ND	02/19/09	MFF	0.003			
Carbon Disulfide	mg/kg dry wt	ND	02/19/09	MFF	0.013			
Carbon Tetrachloride	mg/kg dry wt	ND	02/19/09	MFF	0.005			
Chlorobenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
Chlorodibromomethane	mg/kg dry wt	ND	02/19/09	MFF	0.003			
Chloroethane	mg/kg dry wt	ND	02/19/09	MFF	0.042			
Chloroform	mg/kg dry wt	ND	02/19/09	MFF	0.009			
Chloromethane	mg/kg dry wt	ND	02/19/09	MFF	0.021			
2-Chlorotoluene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
4-Chlorotoluene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,2-Dibromo-3-Chloropropane	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,2-Dibromoethane	mg/kg dry wt	ND	02/19/09	MFF	0.003			
Dibromomethane	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,2-Dichlorobenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,3-Dichlorobenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			

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S.PERHALA/J.BONDOS
 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
 ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: MERIDEN FACTORY H
 Date Received: 2/18/2009
 Field Sample #: ME-SB-DUP

LIMS-BAT #: LIMIT-23332
 Job Number: 60073489

Sample ID: 09B04568 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
1,4-Dichlorobenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
trans-1,4-Dichloro-2-Butene	mg/kg dry wt	ND	02/19/09	MFF	0.009			
Dichlorodifluoromethane	mg/kg dry wt	ND	02/19/09	MFF	0.042			
1,1-Dichloroethane	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,2-Dichloroethane	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,1-Dichloroethylene	mg/kg dry wt	ND	02/19/09	MFF	0.009			
cis-1,2-Dichloroethylene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
trans-1,2-Dichloroethylene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,2-Dichloropropane	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,3-Dichloropropane	mg/kg dry wt	ND	02/19/09	MFF	0.003			
2,2-Dichloropropane	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,1-Dichloropropene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
cis-1,3-Dichloropropene	mg/kg dry wt	ND	02/19/09	MFF	0.003			
trans-1,3-Dichloropropene	mg/kg dry wt	ND	02/19/09	MFF	0.003			
Diethyl Ether	mg/kg dry wt	ND	02/19/09	MFF	0.042			
Diisopropyl Ether	mg/kg dry wt	ND	02/19/09	MFF	0.003			
1,4-Dioxane	mg/kg dry wt	ND	02/19/09	MFF	0.21			
Ethyl Benzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
Hexachlorobutadiene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
2-Hexanone	mg/kg dry wt	ND	02/19/09	MFF	0.042			
Isopropylbenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
p-Isopropyltoluene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
MTBE	mg/kg dry wt	ND	02/19/09	MFF	0.009			
Methylene Chloride	mg/kg dry wt	ND	02/19/09	MFF	0.042			
MIBK	mg/kg dry wt	ND	02/19/09	MFF	0.042			
Naphthalene	mg/kg dry wt	ND	02/19/09	MFF	0.009			
n-Propylbenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
Styrene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,1,1,2-Tetrachloroethane	mg/kg dry wt	ND	02/19/09	MFF	0.005			

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 ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: MERIDEN FACTORY H
 Date Received: 2/18/2009
 Field Sample #: ME-SB-DUP

LIMS-BAT #: LIMIT-23332
 Job Number: 60073489

Sample ID : 09B04568 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
1,1,2,2-Tetrachloroethane	mg/kg dry wt	ND	02/19/09	MFF	0.003			
Tetrachloroethylene	mg/kg dry wt	0.021	02/19/09	MFF	0.005			
Tetrahydrofuran	mg/kg dry wt	ND	02/19/09	MFF	0.021			
Toluene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,2,3-Trichlorobenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,3,5-Trichlorobenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,1,1-Trichloroethane	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,1,2-Trichloroethane	mg/kg dry wt	ND	02/19/09	MFF	0.005			
Trichloroethylene	mg/kg dry wt	0.18	02/19/09	MFF	0.005			
Trichlorofluoromethane	mg/kg dry wt	ND	02/19/09	MFF	0.021			
1,2,3-Trichloropropane	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg dry wt	ND	02/19/09	MFF	0.021			
1,2,4-Trimethylbenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
1,3,5-Trimethylbenzene	mg/kg dry wt	ND	02/19/09	MFF	0.005			
Vinyl Chloride	mg/kg dry wt	ND	02/19/09	MFF	0.021			
m + p Xylene	mg/kg dry wt	ND	02/19/09	MFF	0.009			
o-Xylene	mg/kg dry wt	ND	02/19/09	MFF	0.005			

Analytical Method:
 SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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Purchase Order No.:

Project Location: MERIDEN FACTORY H
 Date Received: 2/18/2009
 Field Sample #: TRIP BLANK 021709

LIMS-BAT #: LIMIT-23332
 Job Number: 60073489

Sample ID : 09B04571 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: LIQUIDS

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	mg/kg	ND	02/19/09	MFF	0.10			
Acrylonitrile	mg/kg	ND	02/19/09	MFF	0.006			
tert-Amylmethyl Ether	mg/kg	ND	02/19/09	MFF	0.001			
Benzene	mg/kg	ND	02/19/09	MFF	0.002			
Bromobenzene	mg/kg	ND	02/19/09	MFF	0.002			
Bromochloromethane	mg/kg	ND	02/19/09	MFF	0.002			
Bromodichloromethane	mg/kg	ND	02/19/09	MFF	0.002			
Bromoform	mg/kg	ND	02/19/09	MFF	0.002			
Bromomethane	mg/kg	ND	02/19/09	MFF	0.010			
2-Butanone (MEK)	mg/kg	ND	02/19/09	MFF	0.040			
tert-Butyl Alcohol	mg/kg	ND	02/19/09	MFF	0.040			
n-Butylbenzene	mg/kg	ND	02/19/09	MFF	0.002			
sec-Butylbenzene	mg/kg	ND	02/19/09	MFF	0.002			
tert-Butylbenzene	mg/kg	ND	02/19/09	MFF	0.002			
tert-Butylethyl Ether	mg/kg	ND	02/19/09	MFF	0.001			
Carbon Disulfide	mg/kg	ND	02/19/09	MFF	0.006			
Carbon Tetrachloride	mg/kg	ND	02/19/09	MFF	0.002			
Chlorobenzene	mg/kg	ND	02/19/09	MFF	0.002			
Chlorodibromomethane	mg/kg	ND	02/19/09	MFF	0.001			
Chloroethane	mg/kg	ND	02/19/09	MFF	0.020			
Chloroform	mg/kg	ND	02/19/09	MFF	0.004			
Chloromethane	mg/kg	ND	02/19/09	MFF	0.010			
2-Chlorotoluene	mg/kg	ND	02/19/09	MFF	0.002			
4-Chlorotoluene	mg/kg	ND	02/19/09	MFF	0.002			
1,2-Dibromo-3-Chloropropane	mg/kg	ND	02/19/09	MFF	0.002			
1,2-Dibromoethane	mg/kg	ND	02/19/09	MFF	0.001			
Dibromomethane	mg/kg	ND	02/19/09	MFF	0.002			
1,2-Dichlorobenzene	mg/kg	ND	02/19/09	MFF	0.002			
1,3-Dichlorobenzene	mg/kg	ND	02/19/09	MFF	0.002			

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Purchase Order No.:

Project Location: MERIDEN FACTORY H
 Date Received: 2/18/2009
 Field Sample #: TRIP BLANK 021709

LIMS-BAT #: LIMIT-23332
 Job Number: 60073489

Sample ID : 09B04571 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: LIQUIDS

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
1,4-Dichlorobenzene	mg/kg	ND	02/19/09	MFF	0.002			
trans-1,4-Dichloro-2-Butene	mg/kg	ND	02/19/09	MFF	0.004			
Dichlorodifluoromethane	mg/kg	ND	02/19/09	MFF	0.020			
1,1-Dichloroethane	mg/kg	ND	02/19/09	MFF	0.002			
1,2-Dichloroethane	mg/kg	ND	02/19/09	MFF	0.002			
1,1-Dichloroethylene	mg/kg	ND	02/19/09	MFF	0.004			
cis-1,2-Dichloroethylene	mg/kg	ND	02/19/09	MFF	0.002			
trans-1,2-Dichloroethylene	mg/kg	ND	02/19/09	MFF	0.002			
1,2-Dichloropropane	mg/kg	ND	02/19/09	MFF	0.002			
1,3-Dichloropropane	mg/kg	ND	02/19/09	MFF	0.001			
2,2-Dichloropropane	mg/kg	ND	02/19/09	MFF	0.002			
1,1-Dichloropropene	mg/kg	ND	02/19/09	MFF	0.002			
cis-1,3-Dichloropropene	mg/kg	ND	02/19/09	MFF	0.001			
trans-1,3-Dichloropropene	mg/kg	ND	02/19/09	MFF	0.001			
Diethyl Ether	mg/kg	ND	02/19/09	MFF	0.020			
Diisopropyl Ether	mg/kg	ND	02/19/09	MFF	0.020			
1,4-Dioxane	mg/kg	ND	02/19/09	MFF	0.10			
Ethyl Benzene	mg/kg	ND	02/19/09	MFF	0.002			
Hexachlorobutadiene	mg/kg	ND	02/19/09	MFF	0.002			
2-Hexanone	mg/kg	ND	02/19/09	MFF	0.020			
Isopropylbenzene	mg/kg	ND	02/19/09	MFF	0.002			
p-Isopropyltoluene	mg/kg	ND	02/19/09	MFF	0.002			
MTBE	mg/kg	ND	02/19/09	MFF	0.004			
Methylene Chloride	mg/kg	ND	02/19/09	MFF	0.020			
MIBK	mg/kg	ND	02/19/09	MFF	0.020			
Naphthalene	mg/kg	ND	02/19/09	MFF	0.004			
n-Propylbenzene	mg/kg	ND	02/19/09	MFF	0.002			
Styrene	mg/kg	ND	02/19/09	MFF	0.002			
1,1,1,2-Tetrachloroethane	mg/kg	ND	02/19/09	MFF	0.002			

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Purchase Order No.:

Project Location: MERIDEN FACTORY H
 Date Received: 2/18/2009
 Field Sample #: TRIP BLANK 021709

LIMS-BAT #: LIMIT-23332
 Job Number: 60073488

Sample ID: 09B04571 ‡Sampled: 2/17/2009
 Not Specified

Sample Matrix: LIQUIDS

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
1,1,2,2-Tetrachloroethane	mg/kg	ND	02/19/09	MFF	0.001			
Tetrachloroethylene	mg/kg	ND	02/19/09	MFF	0.002			
Tetrahydrofuran	mg/kg	ND	02/19/09	MFF	0.010			
Toluene	mg/kg	ND	02/19/09	MFF	0.002			
1,2,3-Trichlorobenzene	mg/kg	ND	02/19/09	MFF	0.002			
1,2,4-Trichlorobenzene	mg/kg	ND	02/19/09	MFF	0.002			
1,3,5-Trichlorobenzene	mg/kg	ND	02/19/09	MFF	0.002			
1,1,1-Trichloroethane	mg/kg	ND	02/19/09	MFF	0.002			
1,1,2-Trichloroethane	mg/kg	ND	02/19/09	MFF	0.002			
Trichloroethylene	mg/kg	ND	02/19/09	MFF	0.002			
Trichlorofluoromethane	mg/kg	ND	02/19/09	MFF	0.010			
1,2,3-Trichloropropane	mg/kg	ND	02/19/09	MFF	0.002			
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg	ND	02/19/09	MFF	0.010			
1,2,4-Trimethylbenzene	mg/kg	ND	02/19/09	MFF	0.002			
1,3,5-Trimethylbenzene	mg/kg	ND	02/19/09	MFF	0.002			
Vinyl Chloride	mg/kg	ND	02/19/09	MFF	0.010			
m + p Xylene	mg/kg	ND	02/19/09	MFF	0.004			
o-Xylene	mg/kg	ND	02/19/09	MFF	0.002			

Analytical Method:
 SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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Purchase Order No.:

Project Location: MERIDEN FACTORY H
 Date Received: 2/18/2009
 Field Sample #: ME-SS-06 0-1 FT

LIMS-BAT #: LIMT-23332
 Job Number: 60073489

Sample ID : 09B04568 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Copper	mg/kg dry wt	742	02/24/09	OP	0.54			

Field Sample #: ME-SS-07 0-1 FT

Sample ID : 09B04559 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Copper	mg/kg dry wt	1060	02/24/09	OP	0.60			

Field Sample #: ME-SS-08 0-1 FT

Sample ID : 09B04560 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Copper	mg/kg dry wt	336	02/24/09	OP	0.56			

Field Sample #: ME-SS-DUP

Sample ID : 09B04569 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Copper	mg/kg dry wt	305	02/24/09	OP	0.57			

Analytical Method:

SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

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Purchase Order No.:

Project Location: MERIDEN FACTORY H
 Date Received: 2/18/2009
 Field Sample #: ME-SS-09 1-1.5 FT

LIMS-BAT #: LIMIT-23332
 Job Number: 60073489

Sample ID: 09B04570 ‡Sampled: 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Extractable TPH (ETPH)	mg/kg dry weight	13	02/24/09	CJM	11		

Field Sample #: ME-SS-10 0-1 FT

Sample ID: 09B04565 ‡Sampled: 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Extractable TPH (ETPH)	mg/kg dry weight	110	02/20/09	CJM	110		

Field Sample #: ME-SS-11 1-1.5 FT

Sample ID: 09B04566 ‡Sampled: 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Extractable TPH (ETPH)	mg/kg dry weight	ND	02/24/09	CJM	12		

Field Sample #: ME-SS-12 0-1 FT

Sample ID: 09B04567 ‡Sampled: 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Extractable TPH (ETPH)	mg/kg dry weight	72	02/24/09	CJM	25		

Analytical Method:

Extractable TPH (CT ETPH)

SAMPLES ARE EXTRACTED INTO METHYLENE CHLORIDE AND ANALYZED BY GAS CHROMATOGRAPHY WITH FLAME IONIZATION DETECTION (GC/FID).

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Purchase Order No.:

Project Location: MERIDEN FACTORY H
 Date Received: 2/18/2009
 Field Sample #: ME-SS-09 1-1.5 FT

LIMS-BAT #: LIMIT-23332
 Job Number: 60073489

Sample ID : 09B04570 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Antimony	mg/kg dry wt	ND	02/24/09	OP	4.29			
Arsenic	mg/kg dry wt	2.71	02/24/09	OP	2.68			
Barium	mg/kg dry wt	57.5	02/24/09	OP	5.36			
Beryllium	mg/kg dry wt	ND	02/25/09	OP	0.27			
Cadmium	mg/kg dry wt	ND	02/24/09	OP	0.27			
Chromium	mg/kg dry wt	15.1	02/24/09	OP	0.54			
Copper	mg/kg dry wt	19.6	02/24/09	OP	0.54			
Lead	mg/kg dry wt	6.05	02/24/09	OP	0.81			
Mercury	mg/kg dry wt	0.017	02/19/09	KM	0.011			
Nickel	mg/kg dry wt	11.3	02/24/09	OP	0.54			
Selenium	mg/kg dry wt	ND	02/24/09	OP	5.36			
Silver	mg/kg dry wt	ND	02/24/09	OP	0.54			
Thallium	mg/kg dry wt	ND	02/24/09	OP	3.22			
Vanadium	mg/kg dry wt	33.0	02/24/09	OP	5.36			
Zinc	mg/kg dry wt	33.6	02/24/09	OP	1.08			

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Purchase Order No.:

Project Location: MERIDEN FACTORY H
 Date Received: 2/18/2009
 Field Sample #: ME-SS-10 0-1 FT

LIMS-BAT #: LIMIT-23332
 Job Number: 60073489

Sample ID : 09B04565 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Antimony	mg/kg dry wt	ND	02/24/09	OP	4.23			
Arsenic	mg/kg dry wt	2.89	02/24/09	OP	2.65			
Barium	mg/kg dry wt	19.3	02/24/09	OP	5.29			
Beryllium	mg/kg dry wt	ND	02/25/09	OP	0.27			
Cadmium	mg/kg dry wt	0.42	02/24/09	OP	0.27			
Chromium	mg/kg dry wt	3.36	02/24/09	OP	0.53			
Copper	mg/kg dry wt	87.1	02/24/09	OP	0.53			
Lead	mg/kg dry wt	11.1	02/24/09	OP	0.80			
Mercury	mg/kg dry wt	0.018	02/19/09	KM	0.013			
Nickel	mg/kg dry wt	11.5	02/24/09	OP	0.53			
Selenium	mg/kg dry wt	ND	02/24/09	OP	5.29			
Silver	mg/kg dry wt	ND	02/24/09	OP	0.53			
Thallium	mg/kg dry wt	ND	02/24/09	OP	3.18			
Vanadium	mg/kg dry wt	86.4	02/24/09	OP	5.29			
Zinc	mg/kg dry wt	53.2	02/24/09	OP	1.06			

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Purchase Order No.:

Project Location: MERIDEN FACTORY H
 Date Received: 2/18/2009
 Field Sample # : ME-SS-11 1-1.5 FT

LIMS-BAT #: LIMIT-23332
 Job Number: 60073489

Sample ID : 09B04566 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Antimony	mg/kg dry wt	ND	02/24/09	OP	4.47			
Arsenic	mg/kg dry wt	ND	02/24/09	OP	2.80			
Barium	mg/kg dry wt	32.3	02/24/09	OP	5.59			
Beryllium	mg/kg dry wt	ND	02/25/09	OP	0.28			
Cadmium	mg/kg dry wt	ND	02/24/09	OP	0.28			
Chromium	mg/kg dry wt	3.77	02/24/09	OP	0.56			
Copper	mg/kg dry wt	20.8	02/24/09	OP	0.56			
Lead	mg/kg dry wt	7.91	02/24/09	OP	0.84			
Mercury	mg/kg dry wt	ND	02/19/09	KM	0.012			
Nickel	mg/kg dry wt	3.64	02/24/09	OP	0.56			
Selenium	mg/kg dry wt	ND	02/24/09	OP	5.59			
Silver	mg/kg dry wt	ND	02/24/09	OP	0.56			
Thallium	mg/kg dry wt	ND	02/24/09	OP	3.36			
Vanadium	mg/kg dry wt	11.3	02/24/09	OP	5.59			
Zinc	mg/kg dry wt	15.5	02/24/09	OP	1.12			

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ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: MERIDEN FACTORY H
Date Received: 2/18/2009

LIMS-BAT #: LIMIT-23332
Job Number: 60073489

Analytical Method: Antimony
SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Arsenic
SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Barium
SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Beryllium
SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Cadmium
SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Chromium
SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Copper
SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Lead
SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Mercury
SW846 3050/7471

SAMPLES ARE DIGESTED WITH ACIDS AND THEN ANALYZED BY
COLD VAPOR (FLAMELESS) ATOMIC ABSORPTION SPECTROPHOTOMETRY

Analytical Method: Nickel
SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

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ROCKY HILL, CT 06087

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Purchase Order No.:

Project Location: MERIDEN FACTORY H
Date Received: 2/18/2009

LIMS-BAT #: LIMIT-23332
Job Number: 60073489

Analytical Method: Selenium
SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Silver
SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Thallium
SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Vanadium
SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Zinc
SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

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Purchase Order No.:

Project Location: MERIDEN FACTORY H
 Date Received: 2/18/2009
 Field Sample #: ME-SB-06 0-1 FT

LIMS-BAT #: LIMIT-23332
 Job Number: 60073489

Sample ID: 09B04561 ‡Sampled: 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	02/26/09	BGL	0.398			
Acenaphthylene	mg/kg dry wt	ND	02/26/09	BGL	0.398			
Anthracene	mg/kg dry wt	ND	02/26/09	BGL	0.398			
Benzo(a)anthracene	mg/kg dry wt	0.581	02/26/09	BGL	0.398			
Benzo(a)pyrene	mg/kg dry wt	0.595	02/26/09	BGL	0.398			
Benzo(b)fluoranthene	mg/kg dry wt	0.778	02/26/09	BGL	0.398			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	02/26/09	BGL	0.398			
Benzo(k)fluoranthene	mg/kg dry wt	ND	02/26/09	BGL	0.398			
Chrysene	mg/kg dry wt	0.623	02/26/09	BGL	0.398			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	02/26/09	BGL	0.398			
Fluoranthene	mg/kg dry wt	0.706	02/26/09	BGL	0.398			
Fluorene	mg/kg dry wt	ND	02/26/09	BGL	0.398			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	02/26/09	BGL	0.398			
2-Methylnaphthalene	mg/kg dry wt	ND	02/26/09	BGL	0.398			
Naphthalene	mg/kg dry wt	ND	02/26/09	BGL	0.398			
Phenanthrene	mg/kg dry wt	ND	02/26/09	BGL	0.398			
Pyrene	mg/kg dry wt	0.652	02/26/09	BGL	0.398			
Extraction Date 8270		2/19/2009	02/26/09	BGL				

Analytical Method:
 SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: MERIDEN FACTORY H
Date Received: 2/18/2009
Field Sample #: ME-SB-06 2-3 FT

LIMS-BAT #: LIMT-23332
Job Number: 60073489

Sample ID : 09B04562 ‡Sampled : 2/17/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	0.528	02/25/09	BGL	0.216			
Acenaphthylene	mg/kg dry wt	ND	02/25/09	BGL	0.216			
Anthracene	mg/kg dry wt	0.254	02/25/09	BGL	0.216			
Benzo(a)anthracene	mg/kg dry wt	0.869	02/25/09	BGL	0.216			
Benzo(a)pyrene	mg/kg dry wt	0.877	02/25/09	BGL	0.216			
Benzo(b)fluoranthene	mg/kg dry wt	1.23	02/25/09	BGL	0.216			
Benzo(g,h,i)perylene	mg/kg dry wt	0.437	02/25/09	BGL	0.216			
Benzo(k)fluoranthene	mg/kg dry wt	0.521	02/25/09	BGL	0.216			
Chrysene	mg/kg dry wt	1.69	02/25/09	BGL	0.216			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	02/25/09	BGL	0.216			
Fluoranthene	mg/kg dry wt	2.79	02/25/09	BGL	0.216			
Fluorene	mg/kg dry wt	0.252	02/25/09	BGL	0.216			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	0.540	02/25/09	BGL	0.216			
2-Methylnaphthalene	mg/kg dry wt	ND	02/25/09	BGL	0.216			
Naphthalene	mg/kg dry wt	ND	02/25/09	BGL	0.216			
Phenanthrene	mg/kg dry wt	1.11	02/25/09	BGL	0.216			
Pyrene	mg/kg dry wt	2.93	02/25/09	BGL	0.216			
Extraction Date 8270		2/19/2009	02/25/09	BGL				

Analytical Method:
SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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Purchase Order No.:

Project Location: MERIDEN FACTORY H
 Date Received: 2/18/2009
 Field Sample #: ME-SB-07 2-4 FT

LIMS-BAT #: LIMT-23332
 Job Number: 60073489

Sample ID : 09B04564 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	02/25/09	BGL	0.197			
Acenaphthylene	mg/kg dry wt	ND	02/25/09	BGL	0.197			
Anthracene	mg/kg dry wt	ND	02/25/09	BGL	0.197			
Benzo(a)anthracene	mg/kg dry wt	ND	02/25/09	BGL	0.197			
Benzo(a)pyrene	mg/kg dry wt	ND	02/25/09	BGL	0.197			
Benzo(b)fluoranthene	mg/kg dry wt	ND	02/25/09	BGL	0.197			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	02/25/09	BGL	0.197			
Benzo(k)fluoranthene	mg/kg dry wt	ND	02/25/09	BGL	0.197			
Chrysene	mg/kg dry wt	ND	02/25/09	BGL	0.197			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	02/25/09	BGL	0.197			
Fluoranthene	mg/kg dry wt	ND	02/25/09	BGL	0.197			
Fluorene	mg/kg dry wt	ND	02/25/09	BGL	0.197			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	02/25/09	BGL	0.197			
2-Methylnaphthalene	mg/kg dry wt	ND	02/25/09	BGL	0.197			
Naphthalene	mg/kg dry wt	ND	02/25/09	BGL	0.197			
Phenanthrene	mg/kg dry wt	ND	02/25/09	BGL	0.197			
Pyrene	mg/kg dry wt	ND	02/25/09	BGL	0.197			
Extraction Date 8270		2/19/2009	02/25/09	BGL				

Analytical Method:
 SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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Purchase Order No.:

Project Location: MERIDEN FACTORY H
 Date Received: 2/18/2009
 Field Sample #: ME-SS-01 0-1 FT

LIMS-BAT #: LIMIT-23332
 Job Number: 60073489

Sample ID : 09B04553 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	02/25/09	BGL	0.201			
Acenaphthylene	mg/kg dry wt	ND	02/25/09	BGL	0.201			
Anthracene	mg/kg dry wt	ND	02/25/09	BGL	0.201			
Benzo(a)anthracene	mg/kg dry wt	0.285	02/25/09	BGL	0.201			
Benzo(a)pyrene	mg/kg dry wt	0.229	02/25/09	BGL	0.201			
Benzo(b)fluoranthene	mg/kg dry wt	0.273	02/25/09	BGL	0.201			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	02/25/09	BGL	0.201			
Benzo(k)fluoranthene	mg/kg dry wt	ND	02/25/09	BGL	0.201			
Chrysene	mg/kg dry wt	0.314	02/25/09	BGL	0.201			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	02/25/09	BGL	0.201			
Fluoranthene	mg/kg dry wt	0.334	02/25/09	BGL	0.201			
Fluorene	mg/kg dry wt	ND	02/25/09	BGL	0.201			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	02/25/09	BGL	0.201			
2-Methylnaphthalene	mg/kg dry wt	ND	02/25/09	BGL	0.201			
Naphthalene	mg/kg dry wt	ND	02/25/09	BGL	0.201			
Phenanthrene	mg/kg dry wt	ND	02/25/09	BGL	0.201			
Pyrene	mg/kg dry wt	0.386	02/25/09	BGL	0.201			
Extraction Date 8270		2/19/2009	02/25/09	BGL				

Analytical Method:
 SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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Purchase Order No.:

Project Location: MERIDEN FACTORY H
 Date Received: 2/18/2009
 Field Sample #: ME-SS-02 0-1 FT

LIMS-BAT #: LIMIT-23332
 Job Number: 60073489

Sample ID: 09B04554 ‡Sampled: 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo HI	P/ F
Acenaphthene	mg/kg dry wt	2.40	02/25/09	BGL	0.390		
Acenaphthylene	mg/kg dry wt	1.87	02/25/09	BGL	0.390		
Anthracene	mg/kg dry wt	8.44	02/25/09	BGL	0.390		
Benzo(a)anthracene	mg/kg dry wt	24.1	02/25/09	BGL	0.390		
Benzo(a)pyrene	mg/kg dry wt	21.1	02/25/09	BGL	0.390		
Benzo(b)fluoranthene	mg/kg dry wt	27.4	02/25/09	BGL	0.390		
Benzo(g,h,i)perylene	mg/kg dry wt	5.71	02/25/09	BGL	0.390		
Benzo(k)fluoranthene	mg/kg dry wt	7.39	02/25/09	BGL	0.390		
Chrysene	mg/kg dry wt	25.4	02/25/09	BGL	0.390		
Dibenz(a,h)anthracene	mg/kg dry wt	1.80	02/25/09	BGL	0.390		
Fluoranthene	mg/kg dry wt	49.4	02/25/09	BGL	0.390		
Fluorene	mg/kg dry wt	4.38	02/25/09	BGL	0.390		
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	7.06	02/25/09	BGL	0.390		
2-Methylnaphthalene	mg/kg dry wt	1.96	02/25/09	BGL	0.390		
Naphthalene	mg/kg dry wt	2.28	02/25/09	BGL	0.390		
Phenanthrene	mg/kg dry wt	53.4	02/25/09	BGL	0.390		
Pyrene	mg/kg dry wt	46.2	02/25/09	BGL	0.390		
Extraction Date 8270		2/19/2009	02/25/09	BGL			

Analytical Method:
 SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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Purchase Order No.:

Project Location: MERIDEN FACTORY H
 Date Received: 2/18/2009
 Field Sample #: ME-SS-03 0-1 FT

LIMS-BAT #: LIMIT-23332
 Job Number: 60073489

Sample ID : 09B04555 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	02/25/09	BGL	0.221			
Acenaphthylene	mg/kg dry wt	ND	02/25/09	BGL	0.221			
Anthracene	mg/kg dry wt	ND	02/25/09	BGL	0.221			
Benzo(a)anthracene	mg/kg dry wt	0.449	02/25/09	BGL	0.221			
Benzo(a)pyrene	mg/kg dry wt	0.449	02/25/09	BGL	0.221			
Benzo(b)fluoranthene	mg/kg dry wt	0.674	02/25/09	BGL	0.221			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	02/25/09	BGL	0.221			
Benzo(k)fluoranthene	mg/kg dry wt	0.288	02/25/09	BGL	0.221			
Chrysene	mg/kg dry wt	0.553	02/25/09	BGL	0.221			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	02/25/09	BGL	0.221			
Fluoranthene	mg/kg dry wt	0.654	02/25/09	BGL	0.221			
Fluorene	mg/kg dry wt	ND	02/25/09	BGL	0.221			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	0.234	02/25/09	BGL	0.221			
2-Methylnaphthalene	mg/kg dry wt	ND	02/25/09	BGL	0.221			
Naphthalene	mg/kg dry wt	ND	02/25/09	BGL	0.221			
Phenanthrene	mg/kg dry wt	0.350	02/25/09	BGL	0.221			
Pyrene	mg/kg dry wt	0.603	02/25/09	BGL	0.221			
Extraction Date 8270		2/19/2009	02/25/09	BGL				

Analytical Method:
 SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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Purchase Order No.:

Project Location: MERIDEN FACTORY H
 Date Received: 2/18/2009
 Field Sample #: ME-SS-05 0-1 FT

LIMS-BAT #: LIMIT-23332
 Job Number: 60073489

Sample ID : 09B04557 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	02/25/09	BGL	0.182			
Acenaphthylene	mg/kg dry wt	ND	02/25/09	BGL	0.182			
Anthracene	mg/kg dry wt	ND	02/25/09	BGL	0.182			
Benzo(a)anthracene	mg/kg dry wt	ND	02/25/09	BGL	0.182			
Benzo(a)pyrene	mg/kg dry wt	ND	02/25/09	BGL	0.182			
Benzo(b)fluoranthene	mg/kg dry wt	0.277	02/25/09	BGL	0.182			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	02/25/09	BGL	0.182			
Benzo(k)fluoranthene	mg/kg dry wt	ND	02/25/09	BGL	0.182			
Chrysene	mg/kg dry wt	0.198	02/25/09	BGL	0.182			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	02/25/09	BGL	0.182			
Fluoranthene	mg/kg dry wt	0.226	02/25/09	BGL	0.182			
Fluorene	mg/kg dry wt	ND	02/25/09	BGL	0.182			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	02/25/09	BGL	0.182			
2-Methylnaphthalene	mg/kg dry wt	ND	02/25/09	BGL	0.182			
Naphthalene	mg/kg dry wt	ND	02/25/09	BGL	0.182			
Phenanthrene	mg/kg dry wt	ND	02/25/09	BGL	0.182			
Pyrene	mg/kg dry wt	ND	02/25/09	BGL	0.182			
Extraction Date 8270		2/19/2009	02/25/09	BGL				

Analytical Method:
 SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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Purchase Order No.:

Project Location: MERIDEN FACTORY H

LIMS-BAT #: LIMIT-23332

Date Received: 2/18/2009

Job Number: 60073489

Field Sample #: ME-SS-06 0-1 FT

Sample ID: 09B04558

‡Sampled: 2/17/2009

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	02/26/09	BGL	0.720			
Acenaphthylene	mg/kg dry wt	ND	02/26/09	BGL	0.720			
Anthracene	mg/kg dry wt	1.34	02/26/09	BGL	0.720			
Benzo(a)anthracene	mg/kg dry wt	3.34	02/26/09	BGL	0.720			
Benzo(a)pyrene	mg/kg dry wt	3.27	02/26/09	BGL	0.720			
Benzo(b)fluoranthene	mg/kg dry wt	4.26	02/26/09	BGL	0.720			
Benzo(g,h,i)perylene	mg/kg dry wt	1.37	02/26/09	BGL	0.720			
Benzo(k)fluoranthene	mg/kg dry wt	1.52	02/26/09	BGL	0.720			
Chrysene	mg/kg dry wt	3.55	02/26/09	BGL	0.720			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	02/26/09	BGL	0.720			
Fluoranthene	mg/kg dry wt	6.24	02/26/09	BGL	0.720			
Fluorene	mg/kg dry wt	ND	02/26/09	BGL	0.720			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	1.70	02/26/09	BGL	0.720			
2-Methylnaphthalene	mg/kg dry wt	ND	02/26/09	BGL	0.720			
Naphthalene	mg/kg dry wt	ND	02/26/09	BGL	0.720			
Phenanthrene	mg/kg dry wt	6.09	02/26/09	BGL	0.720			
Pyrene	mg/kg dry wt	5.09	02/26/09	BGL	0.720			
Extraction Date 8270		2/19/2009	02/26/09	BGL				

Analytical Method:

SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
 ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: MERIDEN FACTORY H

LIMS-BAT #: LIMIT-23332

Date Received: 2/18/2009

Job Number: 60073489

Field Sample #: ME-SS-07 0-1 FT

Sample ID : 09B04559

‡Sampled : 2/17/2009

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	0.652	02/25/09	BGL	0.198			
Acenaphthylene	mg/kg dry wt	ND	02/25/09	BGL	0.198			
Anthracene	mg/kg dry wt	2.03	02/25/09	BGL	0.198			
Benzo(a)anthracene	mg/kg dry wt	4.12	02/25/09	BGL	0.198			
Benzo(a)pyrene	mg/kg dry wt	2.97	02/25/09	BGL	0.198			
Benzo(b)fluoranthene	mg/kg dry wt	3.96	02/25/09	BGL	0.198			
Benzo(g,h,i)perylene	mg/kg dry wt	1.12	02/25/09	BGL	0.198			
Benzo(k)fluoranthene	mg/kg dry wt	1.56	02/25/09	BGL	0.198			
Chrysene	mg/kg dry wt	3.92	02/25/09	BGL	0.198			
Dibenz(a,h)anthracene	mg/kg dry wt	0.360	02/25/09	BGL	0.198			
Fluoranthene	mg/kg dry wt	6.34	02/25/09	BGL	0.198			
Fluorene	mg/kg dry wt	0.655	02/25/09	BGL	0.198			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	1.40	02/25/09	BGL	0.198			
2-Methylnaphthalene	mg/kg dry wt	0.239	02/25/09	BGL	0.198			
Naphthalene	mg/kg dry wt	0.281	02/25/09	BGL	0.198			
Phenanthrene	mg/kg dry wt	7.53	02/25/09	BGL	0.198			
Pyrene	mg/kg dry wt	5.52	02/25/09	BGL	0.198			
Extraction Date 8270		2/19/2009	02/25/09	BGL				

Analytical Method:

SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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Purchase Order No.:

Project Location: MERIDEN FACTORY H
 Date Received: 2/18/2009
 Field Sample #: ME-SS-08 0-1 FT

LIMS-BAT #: LIMIT-23332
 Job Number: 60073489

Sample ID: 09B04560 ‡Sampled: 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	02/25/09	BGL	0.369			
Acenaphthylene	mg/kg dry wt	0.483	02/25/09	BGL	0.369			
Anthracene	mg/kg dry wt	0.938	02/25/09	BGL	0.369			
Benzo(a)anthracene	mg/kg dry wt	3.23	02/25/09	BGL	0.369			
Benzo(a)pyrene	mg/kg dry wt	3.05	02/25/09	BGL	0.369			
Benzo(b)fluoranthene	mg/kg dry wt	4.23	02/25/09	BGL	0.369			
Benzo(g,h,i)perylene	mg/kg dry wt	1.34	02/25/09	BGL	0.369			
Benzo(k)fluoranthene	mg/kg dry wt	1.80	02/25/09	BGL	0.369			
Chrysene	mg/kg dry wt	3.41	02/25/09	BGL	0.369			
Dibenz(a,h)anthracene	mg/kg dry wt	0.402	02/25/09	BGL	0.369			
Fluoranthene	mg/kg dry wt	6.45	02/25/09	BGL	0.369			
Fluorene	mg/kg dry wt	0.515	02/25/09	BGL	0.369			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	1.62	02/25/09	BGL	0.369			
2-Methylnaphthalene	mg/kg dry wt	ND	02/25/09	BGL	0.369			
Naphthalene	mg/kg dry wt	ND	02/25/09	BGL	0.369			
Phenanthrene	mg/kg dry wt	3.94	02/25/09	BGL	0.369			
Pyrene	mg/kg dry wt	5.53	02/25/09	BGL	0.369			
Extraction Date 8270		02/25/2009	02/25/09	BGL				

Analytical Method:
 SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit

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NM = Not Measured

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ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: MERIDEN FACTORY H
Date Received: 2/18/2009
Field Sample #: ME-SS-09 1-1.5 FT

LIMS-BAT #: LIMIT-23332
Job Number: 60073489

Sample ID: 09B04570 ‡Sampled: 2/17/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	02/26/09	BGL	0.179			
Acenaphthylene	mg/kg dry wt	ND	02/26/09	BGL	0.179			
Anthracene	mg/kg dry wt	ND	02/26/09	BGL	0.179			
Benzo(a)anthracene	mg/kg dry wt	ND	02/26/09	BGL	0.179			
Benzo(a)pyrene	mg/kg dry wt	ND	02/26/09	BGL	0.179			
Benzo(b)fluoranthene	mg/kg dry wt	ND	02/26/09	BGL	0.179			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	02/26/09	BGL	0.179			
Benzo(k)fluoranthene	mg/kg dry wt	ND	02/26/09	BGL	0.179			
Chrysene	mg/kg dry wt	ND	02/26/09	BGL	0.179			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	02/26/09	BGL	0.179			
Fluoranthene	mg/kg dry wt	ND	02/26/09	BGL	0.179			
Fluorene	mg/kg dry wt	ND	02/26/09	BGL	0.179			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	02/26/09	BGL	0.179			
2-Methylnaphthalene	mg/kg dry wt	ND	02/26/09	BGL	0.179			
Naphthalene	mg/kg dry wt	ND	02/26/09	BGL	0.179			
Phenanthrene	mg/kg dry wt	ND	02/26/09	BGL	0.179			
Pyrene	mg/kg dry wt	ND	02/26/09	BGL	0.179			
Extraction Date 8270		2/19/2009	02/26/09	BGL				

Analytical Method:
SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit

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NM = Not Measured

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‡ = See attached chain-of-custody record for time sampled

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 ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: MERIDEN FACTORY H
 Date Received: 2/18/2009
 Field Sample #: ME-SS-10 0-1 FT

LIMS-BAT #: LIMIT-23332
 Job Number: 60073489

Sample ID : 09B04565 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	02/28/09	BGL	0.353			
Acenaphthylene	mg/kg dry wt	ND	02/28/09	BGL	0.353			
Anthracene	mg/kg dry wt	ND	02/28/09	BGL	0.353			
Benzo(a)anthracene	mg/kg dry wt	ND	02/28/09	BGL	0.353			
Benzo(a)pyrene	mg/kg dry wt	ND	02/28/09	BGL	0.353			
Benzo(b)fluoranthene	mg/kg dry wt	ND	02/28/09	BGL	0.353			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	02/28/09	BGL	0.353			
Benzo(k)fluoranthene	mg/kg dry wt	ND	02/28/09	BGL	0.353			
Chrysene	mg/kg dry wt	ND	02/28/09	BGL	0.353			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	02/28/09	BGL	0.353			
Fluoranthene	mg/kg dry wt	ND	02/28/09	BGL	0.353			
Fluorene	mg/kg dry wt	ND	02/28/09	BGL	0.353			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	02/28/09	BGL	0.353			
2-Methylnaphthalene	mg/kg dry wt	ND	02/28/09	BGL	0.353			
Naphthalene	mg/kg dry wt	ND	02/28/09	BGL	0.353			
Phenanthrene	mg/kg dry wt	ND	02/28/09	BGL	0.353			
Pyrene	mg/kg dry wt	ND	02/28/09	BGL	0.353			
Extraction Date 8270		2/19/2009	02/28/09	BGL				

Analytical Method:
 SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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Purchase Order No.:

Project Location: MERIDEN FACTORY H
 Date Received: 2/18/2009
 Field Sample #: ME-SS-11 1-1.5 FT

LIMS-BAT #: LIMIT-23332
 Job Number: 60073489

Sample ID : 09B04566 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	02/26/09	BGL	0.187		
Acenaphthylene	mg/kg dry wt	ND	02/26/09	BGL	0.187		
Anthracene	mg/kg dry wt	ND	02/26/09	BGL	0.187		
Benzo(a)anthracene	mg/kg dry wt	ND	02/26/09	BGL	0.187		
Benzo(a)pyrene	mg/kg dry wt	ND	02/26/09	BGL	0.187		
Benzo(b)fluoranthene	mg/kg dry wt	ND	02/26/09	BGL	0.187		
Benzo(g,h,i)perylene	mg/kg dry wt	ND	02/26/09	BGL	0.187		
Benzo(k)fluoranthene	mg/kg dry wt	ND	02/26/09	BGL	0.187		
Chrysene	mg/kg dry wt	ND	02/26/09	BGL	0.187		
Dibenz(a,h)anthracene	mg/kg dry wt	ND	02/26/09	BGL	0.187		
Fluoranthene	mg/kg dry wt	ND	02/26/09	BGL	0.187		
Fluorene	mg/kg dry wt	ND	02/26/09	BGL	0.187		
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	02/26/09	BGL	0.187		
2-Methylnaphthalene	mg/kg dry wt	ND	02/26/09	BGL	0.187		
Naphthalene	mg/kg dry wt	1.18	02/26/09	BGL	0.187		
Phenanthrene	mg/kg dry wt	ND	02/26/09	BGL	0.187		
Pyrene	mg/kg dry wt	ND	02/26/09	BGL	0.187		
Extraction Date 8270		2/19/2009	02/26/09	BGL			

Analytical Method:
 SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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Purchase Order No.:

Project Location: MERIDEN FACTORY H
 Date Received: 2/18/2009
 Field Sample #: ME-SS-12 0-1 FT

LIMS-BAT #: LIMIT-23332
 Job Number: 60073489

Sample ID: 09B04567 ‡Sampled: 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	02/26/09	BGL	1.02			
Acenaphthylene	mg/kg dry wt	ND	02/26/09	BGL	1.02			
Anthracene	mg/kg dry wt	ND	02/26/09	BGL	1.02			
Benzo(a)anthracene	mg/kg dry wt	2.80	02/26/09	BGL	1.02			
Benzo(a)pyrene	mg/kg dry wt	2.25	02/26/09	BGL	1.02			
Benzo(b)fluoranthene	mg/kg dry wt	2.99	02/26/09	BGL	1.02			
Benzo(g,h,i)perylene	mg/kg dry wt	1.06	02/26/09	BGL	1.02			
Benzo(k)fluoranthene	mg/kg dry wt	1.21	02/26/09	BGL	1.02			
Chrysene	mg/kg dry wt	2.84	02/26/09	BGL	1.02			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	02/26/09	BGL	1.02			
Fluoranthene	mg/kg dry wt	4.39	02/26/09	BGL	1.02			
Fluorene	mg/kg dry wt	ND	02/26/09	BGL	1.02			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	1.35	02/26/09	BGL	1.02			
2-Methylnaphthalene	mg/kg dry wt	ND	02/26/09	BGL	1.02			
Naphthalene	mg/kg dry wt	ND	02/26/09	BGL	1.02			
Phenanthrene	mg/kg dry wt	2.64	02/26/09	BGL	1.02			
Pyrene	mg/kg dry wt	3.66	02/26/09	BGL	1.02			
Extraction Date 8270		2/19/2009	02/26/09	BGL				

Analytical Method:
 SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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Purchase Order No.:

Project Location: MERIDEN FACTORY H
 Date Received: 2/18/2009
 Field Sample #: ME-SS-DUP

LIMS-BAT #: LIMIT-23332
 Job Number: 60073489

Sample ID : 09B04569 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	02/26/09	BGL	0.380			
Acenaphthylene	mg/kg dry wt	0.544	02/26/09	BGL	0.380			
Anthracene	mg/kg dry wt	1.21	02/26/09	BGL	0.380			
Benzo(a)anthracene	mg/kg dry wt	3.87	02/26/09	BGL	0.380			
Benzo(a)pyrene	mg/kg dry wt	3.56	02/26/09	BGL	0.380			
Benzo(b)fluoranthene	mg/kg dry wt	4.92	02/26/09	BGL	0.380			
Benzo(g,h,i)perylene	mg/kg dry wt	1.62	02/26/09	BGL	0.380			
Benzo(k)fluoranthene	mg/kg dry wt	1.85	02/26/09	BGL	0.380			
Chrysene	mg/kg dry wt	3.96	02/26/09	BGL	0.380			
Dibenz(a,h)anthracene	mg/kg dry wt	0.492	02/26/09	BGL	0.380			
Fluoranthene	mg/kg dry wt	6.66	02/26/09	BGL	0.380			
Fluorene	mg/kg dry wt	0.622	02/26/09	BGL	0.380			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	1.90	02/26/09	BGL	0.380			
2-Methylnaphthalene	mg/kg dry wt	ND	02/26/09	BGL	0.380			
Naphthalene	mg/kg dry wt	ND	02/26/09	BGL	0.380			
Phenanthrene	mg/kg dry wt	4.98	02/26/09	BGL	0.380			
Pyrene	mg/kg dry wt	5.33	02/26/09	BGL	0.380			
Extraction Date 8270		2/19/2009	02/26/09	BGL				

Analytical Method:
 SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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Purchase Order No.:

Project Location: MERIDEN FACTORY H
 Date Received: 2/18/2009
 Field Sample #: ME-SS-06 0-1 FT

LIMS-BAT #: LIMIT-23332
 Job Number: 60073489

Sample ID: 09B04558 ‡Sampled: 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Lead	mg/kg dry wt	252	02/24/09	OP	0.81			

Field Sample #: ME-SS-07 0-1 FT

Sample ID: 09B04559 ‡Sampled: 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Lead	mg/kg dry wt	744	02/24/09	OP	0.90			

Field Sample #: ME-SS-08 0-1 FT

Sample ID: 09B04560 ‡Sampled: 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Lead	mg/kg dry wt	565	02/24/09	OP	0.83			

Field Sample #: ME-SS-DUP

Sample ID: 09B04569 ‡Sampled: 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Lead	mg/kg dry wt	462	02/24/09	OP	0.86			

Analytical Method:
 SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
 INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

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‡ = See attached chain-of-custody record for time sampled

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 regulatory level for comparison with data to
 determine PASS (P) or FAIL (F) condition of results.

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 500 ENTERPRISE DRIVE, SUITE 1A
 ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: MERIDEN FACTORY H
 Date Received: 2/18/2009
 Field Sample #: ME-SB-06 0-1 FT

LIMS-BAT #: LIMT-23332
 Job Number: 60073489

Sample ID : 09B04561 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	83.8	02/20/09	FD			

Field Sample #: ME-SB-06 2-3 FT

Sample ID : 09B04562 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	77.4	02/20/09	FD			

Field Sample #: ME-SB-07 0-1 FT

Sample ID : 09B04563 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	85.3	02/20/09	FD			

Field Sample #: ME-SB-07 2-4 FT

Sample ID : 09B04564 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	84.8	02/20/09	FD			

Field Sample #: ME-SB-DUP

Sample ID : 09B04568 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	80.3	02/20/09	FD			

RL = Reporting Limit

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NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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Purchase Order No.:

Project Location: MERIDEN FACTORY H
 Date Received: 2/18/2009
 Field Sample #: ME-SS-01 0-1 FT

LIMS-BAT #: LIMIT-23332
 Job Number: 60073489

Sample ID: 09B04553 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	83.0	02/20/09	FD			

Field Sample #: ME-SS-02 0-1 FT

Sample ID: 09B04554 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	85.6	02/20/09	FD			

Field Sample #: ME-SS-03 0-1 FT

Sample ID: 09B04555 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	75.5	02/20/09	FD			

Field Sample #: ME-SS-04 0-1 FT

Sample ID: 09B04556 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	85.7	02/20/09	FD			

Field Sample #: ME-SS-05 0-1 FT

Sample ID: 09B04557 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	91.6	02/20/09	FD			

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Purchase Order No.:

Project Location: MERIDEN FACTORY H
 Date Received: 2/18/2009
 Field Sample #: ME-SS-06 0-1 FT

LIMS-BAT #: LIMT-23332
 Job Number: 60073489

Sample ID : 09B04558 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	92.7	02/20/09	FD			

Field Sample #: ME-SS-07 0-1 FT

Sample ID : 09B04559 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	84.2	02/20/09	FD			

Field Sample #: ME-SS-08 0-1 FT

Sample ID : 09B04560 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	90.5	02/20/09	FD			

Field Sample #: ME-SS-09 1-1.5 FT

Sample ID : 09B04570 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	93.4	02/20/09	FD			

Field Sample #: ME-SS-10 0-1 FT

Sample ID : 09B04565 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	94.6	02/20/09	FD			

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Purchase Order No.:

Project Location: MERIDEN FACTORY H
Date Received: 2/18/2009

LIMS-BAT #: LIMT-23332
Job Number: 60073489

** END OF REPORT **

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
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Method Blanks

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QC Batch Number: GC/FID-23151

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B04565	Terphenyl	Surrogate Recovery	57.0	%	50-150
BLANK-129890	Extractable TPH (ETPH)	Blank	<10.	mg/kg dry weig	
LFBLANK-92018	Extractable TPH (ETPH)	Lab Fort Blank Amt.	33.3	mg/kg dry weig	
		Lab Fort Blk. Found	25.3	mg/kg dry weig	
		Lab Fort Blk. % Rec.	75.9	%	60-120
		Dup Lab Fort BI Amt.	33.3	mg/kg dry weig	
		Dup Lab Fort BI. Fnd	27.2	mg/kg dry weig	
		Dup Lab Fort BI %Rec	81.7	%	
		Lab Fort Blank Range	5.7	units	
		Lab Fort Bl. Av. Rec	78.8	%	
		LFB Duplicate RPD	7.3	%	



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QC SUMMARY REPORT

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QC Batch Number: GC/FID-23152

Sample id	Analysis	QC Analysis	Values	Units	Limits
09B04566	Terphenyl	Surrogate Recovery	70.0	%	50-150
09B04567	Terphenyl	Surrogate Recovery	80.0	%	50-150
09B04570	Terphenyl	Surrogate Recovery	83.0	%	50-150
BLANK-129891	Extractable TPH (ETPH)	Blank	<10.	mg/kg dry weig	
LFBLANK-92019	Extractable TPH (ETPH)	Lab Fort Blank Amt.	33.3	mg/kg dry weig	
		Lab Fort Blk. Found	25.0	mg/kg dry weig	
		Lab Fort Blk. % Rec.	75.0	%	60-120
		Dup Lab Fort BI Amt.	33.3	mg/kg dry weig	
		Dup Lab Fort BI. Fnd	25.9	mg/kg dry weig	
		Dup Lab Fort BI %Rec	77.8	%	
		Lab Fort Blank Range	2.7	units	
		Lab Fort BI. Av. Rec	76.4	%	
		LFB Duplicate RPD	3.6	%	

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

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QC Batch Number: GCMS/SEMI-11964

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B04553	Nitrobenzene-d5	Surrogate Recovery	56.0	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	51.4	%	30-130
	Terphenyl-d14	Surrogate Recovery	68.8	%	30-130
09B04554	Nitrobenzene-d5	Surrogate Recovery	52.0	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	60.0	%	30-130
	Terphenyl-d14	Surrogate Recovery	46.0	%	30-130
09B04555	Nitrobenzene-d5	Surrogate Recovery	58.0	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	58.7	%	30-130
	Terphenyl-d14	Surrogate Recovery	55.7	%	30-130
09B04556	Nitrobenzene-d5	Surrogate Recovery	53.9	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	58.2	%	30-130
	Terphenyl-d14	Surrogate Recovery	58.0	%	30-130
09B04557	Nitrobenzene-d5	Surrogate Recovery	42.5	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	51.9	%	30-130
	Terphenyl-d14	Surrogate Recovery	37.3	%	30-130
09B04558	Nitrobenzene-d5	Surrogate Recovery	104.0	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	120.0	%	30-130
	Terphenyl-d14	Surrogate Recovery	84.0	%	30-130
09B04559	Nitrobenzene-d5	Surrogate Recovery	58.8	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	67.3	%	30-130
	Terphenyl-d14	Surrogate Recovery	69.4	%	30-130
09B04560	Nitrobenzene-d5	Surrogate Recovery	54.0	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	62.0	%	30-130
	Terphenyl-d14	Surrogate Recovery	66.0	%	30-130
09B04561	Nitrobenzene-d5	Surrogate Recovery	50.0	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	60.0	%	30-130
	Terphenyl-d14	Surrogate Recovery	48.0	%	30-130
09B04562	Nitrobenzene-d5	Surrogate Recovery	51.2	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	62.8	%	30-130
	Terphenyl-d14	Surrogate Recovery	89.5	%	30-130
09B04563	Nitrobenzene-d5	Surrogate Recovery	47.5	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	60.0	%	30-130
	Terphenyl-d14	Surrogate Recovery	60.0	%	30-130



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QC Batch Number: GCMS/SEMI-11964

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B04564	Nitrobenzene-d5	Surrogate Recovery	61.9	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	74.7	%	30-130
	Terphenyl-d14	Surrogate Recovery	77.4	%	30-130
09B04565	Nitrobenzene-d5	Surrogate Recovery	70.0	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	76.0	%	30-130
	Terphenyl-d14	Surrogate Recovery	122.0	%	30-130
09B04566	Nitrobenzene-d5	Surrogate Recovery	48.2	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	51.0	%	30-130
	Terphenyl-d14	Surrogate Recovery	76.3	%	30-130
09B04567	Nitrobenzene-d5	Surrogate Recovery	60.0	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	70.0	%	30-130
	Terphenyl-d14	Surrogate Recovery	60.0	%	30-130
09B04568	Nitrobenzene-d5	Surrogate Recovery	60.9	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	72.3	%	30-130
	Terphenyl-d14	Surrogate Recovery	66.9	%	30-130
09B04569	Nitrobenzene-d5	Surrogate Recovery	62.0	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	74.0	%	30-130
	Terphenyl-d14	Surrogate Recovery	60.0	%	30-130
09B04570	Nitrobenzene-d5	Surrogate Recovery	55.5	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	62.7	%	30-130
	Terphenyl-d14	Surrogate Recovery	63.3	%	30-130
BLANK-130060	Naphthalene	Blank	<0.167	mg/kg dry wt	
	Acenaphthene	Blank	<0.167	mg/kg dry wt	
	Acenaphthylene	Blank	<0.167	mg/kg dry wt	
	Anthracene	Blank	<0.167	mg/kg dry wt	
	Benzo(a)anthracene	Blank	<0.167	mg/kg dry wt	
	Benzo(a)pyrene	Blank	<0.167	mg/kg dry wt	
	Benzo(b)fluoranthene	Blank	<0.167	mg/kg dry wt	
	Benzo(g,h,i)perylene	Blank	<0.167	mg/kg dry wt	
	Chrysene	Blank	<0.167	mg/kg dry wt	
	Dibenz(a,h)anthracene	Blank	<0.167	mg/kg dry wt	
	Fluoranthene	Blank	<0.167	mg/kg dry wt	
	Fluorene	Blank	<0.167	mg/kg dry wt	
	Indeno(1,2,3-cd)pyrene	Blank	<0.167	mg/kg dry wt	
	2-Methylnaphthalene	Blank	<0.167	mg/kg dry wt	
	Phenanthrene	Blank	<0.167	mg/kg dry wt	



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

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QC Batch Number: GCMS/SEMI-11964

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-130060	Pyrene	Blank	<0.167	mg/kg dry wt	
	Benzo(k)fluoranthene	Blank	<0.167	mg/kg dry wt	
LFBLANK-92197	Naphthalene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.139	mg/kg dry wt	
		Lab Fort Blk. % Rec.	68.380	%	40-140
	Acenaphthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.210	mg/kg dry wt	
		Lab Fort Blk. % Rec.	72.640	%	40-140
	Acenaphthylene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.203	mg/kg dry wt	
		Lab Fort Blk. % Rec.	72.179	%	40-140
	Anthracene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.258	mg/kg dry wt	
		Lab Fort Blk. % Rec.	75.479	%	40-140
	Benzo(a)anthracene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.393	mg/kg dry wt	
		Lab Fort Blk. % Rec.	83.579	%	40-140
	Benzo(a)pyrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.309	mg/kg dry wt	
		Lab Fort Blk. % Rec.	78.559	%	40-140
	Benzo(b)fluoranthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.088	mg/kg dry wt	
		Lab Fort Blk. % Rec.	65.320	%	40-140
	Benzo(g,h,i)perylene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.318	mg/kg dry wt	
		Lab Fort Blk. % Rec.	79.079	%	40-140
	Chrysene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.435	mg/kg dry wt	
		Lab Fort Blk. % Rec.	86.119	%	40-140
	Dibenz(a,h)anthracene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.489	mg/kg dry wt	
		Lab Fort Blk. % Rec.	89.359	%	40-140
	Fluoranthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.047	mg/kg dry wt	
		Lab Fort Blk. % Rec.	62.819	%	40-140
	Fluorene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.355	mg/kg dry wt	
		Lab Fort Blk. % Rec.	81.299	%	40-140
	Indeno(1,2,3-cd)pyrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.389	mg/kg dry wt	
		Lab Fort Blk. % Rec.	83.339	%	40-140
	2-Methylnaphthalene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	



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QC Batch Number: GCMS/SEMI-11964

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92197	2-Methylnaphthalene	Lab Fort Blk. Found	1.368	mg/kg dry wt	
		Lab Fort Blk. % Rec.	82.079	%	40-140
	Phenanthrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.237	mg/kg dry wt	
	Pyrene	Lab Fort Blk. % Rec.	74.219	%	40-140
		Lab Fort Blank Amt.	1.666	mg/kg dry wt	
	Benzo(k)fluoranthene	Lab Fort Blk. Found	1.885	mg/kg dry wt	
		Lab Fort Blk. % Rec.	113.140	%	40-140
		Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.230	mg/kg dry wt	
		Lab Fort Blk. % Rec.	73.819	%	40-140



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QC Batch Number: GCMS/VOL-21534

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B04571	1,2-Dichloroethane-d4	Surrogate Recovery	91.200	%	70-130
	Toluene-d8	Surrogate Recovery	94.200	%	70-130
	Bromofluorobenzene	Surrogate Recovery	94.600	%	70-130
BLANK-129720	Acetone	Blank	<0.10	mg/kg	
	Benzene	Blank	<0.002	mg/kg	
	Carbon Tetrachloride	Blank	<0.002	mg/kg	
	Chloroform	Blank	<0.004	mg/kg	
	1,2-Dichloroethane	Blank	<0.002	mg/kg	
	1,4-Dichlorobenzene	Blank	<0.002	mg/kg	
	Ethyl Benzene	Blank	<0.002	mg/kg	
	2-Butanone (MEK)	Blank	<0.040	mg/kg	
	MIBK	Blank	<0.020	mg/kg	
	Naphthalene	Blank	<0.004	mg/kg	
	Styrene	Blank	<0.002	mg/kg	
	Tetrachloroethylene	Blank	<0.002	mg/kg	
	Toluene	Blank	<0.002	mg/kg	
	1,1,1-Trichloroethane	Blank	<0.002	mg/kg	
	Trichloroethylene	Blank	<0.002	mg/kg	
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Blank	<0.010	mg/kg	
	Trichlorofluoromethane	Blank	<0.010	mg/kg	
	o-Xylene	Blank	<0.002	mg/kg	
	m + p Xylene	Blank	<0.004	mg/kg	
	1,2-Dichlorobenzene	Blank	<0.002	mg/kg	
	1,3-Dichlorobenzene	Blank	<0.002	mg/kg	
	1,1-Dichloroethane	Blank	<0.002	mg/kg	
	1,1-Dichloroethylene	Blank	<0.004	mg/kg	
	1,4-Dioxane	Blank	<0.10	mg/kg	
	MTBE	Blank	<0.004	mg/kg	
	trans-1,2-Dichloroethylene	Blank	<0.002	mg/kg	
	Vinyl Chloride	Blank	<0.010	mg/kg	
	Methylene Chloride	Blank	<0.020	mg/kg	
	Chlorobenzene	Blank	<0.002	mg/kg	
	Chloromethane	Blank	<0.010	mg/kg	
	Bromomethane	Blank	<0.010	mg/kg	
	Chloroethane	Blank	<0.020	mg/kg	
	cis-1,3-Dichloropropene	Blank	<0.001	mg/kg	
	trans-1,3-Dichloropropene	Blank	<0.001	mg/kg	
	Chlorodibromomethane	Blank	<0.001	mg/kg	
	1,1,2-Trichloroethane	Blank	<0.002	mg/kg	
	Bromoform	Blank	<0.002	mg/kg	
	1,1,2,2-Tetrachloroethane	Blank	<0.001	mg/kg	
	2-Chlorotoluene	Blank	<0.002	mg/kg	



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QC Batch Number: GCMS/VOL-21534

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-129720					
	Hexachlorobutadiene	Blank	<0.002	mg/kg	
	Isopropylbenzene	Blank	<0.002	mg/kg	
	p-Isopropyltoluene	Blank	<0.002	mg/kg	
	n-Propylbenzene	Blank	<0.002	mg/kg	
	sec-Butylbenzene	Blank	<0.002	mg/kg	
	tert-Butylbenzene	Blank	<0.002	mg/kg	
	1,2,3-Trichlorobenzene	Blank	<0.002	mg/kg	
	1,2,4-Trichlorobenzene	Blank	<0.002	mg/kg	
	1,2,4-Trimethylbenzene	Blank	<0.002	mg/kg	
	1,3,5-Trimethylbenzene	Blank	<0.002	mg/kg	
	Dibromomethane	Blank	<0.002	mg/kg	
	cis-1,2-Dichloroethylene	Blank	<0.002	mg/kg	
	4-Chlorotoluene	Blank	<0.002	mg/kg	
	1,1-Dichloropropene	Blank	<0.002	mg/kg	
	1,2-Dichloropropane	Blank	<0.002	mg/kg	
	1,3-Dichloropropane	Blank	<0.001	mg/kg	
	2,2-Dichloropropane	Blank	<0.002	mg/kg	
	1,1,1,2-Tetrachloroethane	Blank	<0.002	mg/kg	
	1,2,3-Trichloropropane	Blank	<0.002	mg/kg	
	n-Butylbenzene	Blank	<0.002	mg/kg	
	Dichlorodifluoromethane	Blank	<0.020	mg/kg	
	Bromochloromethane	Blank	<0.002	mg/kg	
	Bromobenzene	Blank	<0.002	mg/kg	
	Acrylonitrile	Blank	<0.006	mg/kg	
	Carbon Disulfide	Blank	<0.006	mg/kg	
	2-Hexanone	Blank	<0.020	mg/kg	
	trans-1,4-Dichloro-2-Butene	Blank	<0.004	mg/kg	
	Diethyl Ether	Blank	<0.020	mg/kg	
	Bromodichloromethane	Blank	<0.002	mg/kg	
	1,2-Dibromo-3-Chloropropane	Blank	<0.002	mg/kg	
	1,2-Dibromoethane	Blank	<0.001	mg/kg	
	Tetrahydrofuran	Blank	<0.010	mg/kg	
	tert-Butyl Alcohol	Blank	<0.040	mg/kg	
	Diisopropyl Ether	Blank	<0.020	mg/kg	
	tert-Butylethyl Ether	Blank	<0.001	mg/kg	
	tert-Amylmethyl Ether	Blank	<0.001	mg/kg	
	1,3,5-Trichloroebenzene	Blank	<0.002	mg/kg	



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Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B04561	Acetone	Sample Amount	<0.100	mg/kg dry wt	
		Matrix Spk Amt Added	0.198	mg/kg dry wt	
		MS Amt Measured	0.309	mg/kg dry wt	
		Matrix Spike % Rec.	155.670	%	70-130
	Benzene	Sample Amount	<0.002	mg/kg dry wt	
		Matrix Spk Amt Added	0.019	mg/kg dry wt	
		MS Amt Measured	0.017	mg/kg dry wt	
		Matrix Spike % Rec.	88.200	%	70-130
	Carbon Tetrachloride	Sample Amount	<0.002	mg/kg dry wt	
		Matrix Spk Amt Added	0.019	mg/kg dry wt	
		MS Amt Measured	0.018	mg/kg dry wt	
		Matrix Spike % Rec.	92.000	%	70-130
	Chloroform	Sample Amount	<0.004	mg/kg dry wt	
		Matrix Spk Amt Added	0.019	mg/kg dry wt	
		MS Amt Measured	0.017	mg/kg dry wt	
		Matrix Spike % Rec.	87.200	%	70-130
1,2-Dichloroethane	Sample Amount	<0.002	mg/kg dry wt		
	Matrix Spk Amt Added	0.019	mg/kg dry wt		
	MS Amt Measured	0.020	mg/kg dry wt		
	Matrix Spike % Rec.	103.100	%	70-130	
1,4-Dichlorobenzene	Sample Amount	<0.002	mg/kg dry wt		
	Matrix Spk Amt Added	0.019	mg/kg dry wt		
	MS Amt Measured	0.019	mg/kg dry wt		
	Matrix Spike % Rec.	95.800	%	70-130	
Ethyl Benzene	Sample Amount	<0.002	mg/kg dry wt		
	Matrix Spk Amt Added	0.019	mg/kg dry wt		
	MS Amt Measured	0.019	mg/kg dry wt		
	Matrix Spike % Rec.	100.300	%	70-130	
2-Butanone (MEK)	Sample Amount	<0.040	mg/kg dry wt		
	Matrix Spk Amt Added	0.198	mg/kg dry wt		
	MS Amt Measured	0.192	mg/kg dry wt		
	Matrix Spike % Rec.	97.180	%	70-130	
MIBK	Sample Amount	<0.020	mg/kg dry wt		
	Matrix Spk Amt Added	0.198	mg/kg dry wt		
	MS Amt Measured	0.175	mg/kg dry wt		
	Matrix Spike % Rec.	88.330	%	70-130	
Naphthalene	Sample Amount	<0.004	mg/kg dry wt		
	Matrix Spk Amt Added	0.019	mg/kg dry wt		
	MS Amt Measured	0.015	mg/kg dry wt		
	Matrix Spike % Rec.	76.100	%	70-130	
Styrene	Sample Amount	<0.002	mg/kg dry wt		
	Matrix Spk Amt Added	0.019	mg/kg dry wt		
	MS Amt Measured	0.019	mg/kg dry wt		



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Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B04561	Styrene	Matrix Spike % Rec.	100.100	%	70-130
	Tetrachloroethylene	Sample Amount	<0.002	mg/kg dry wt	
		Matrix Spk Amt Added	0.019	mg/kg dry wt	
		MS Amt Measured	0.020	mg/kg dry wt	
		Matrix Spike % Rec.	102.900	%	70-130
	Toluene	Sample Amount	<0.002	mg/kg dry wt	
		Matrix Spk Amt Added	0.019	mg/kg dry wt	
		MS Amt Measured	0.018	mg/kg dry wt	
		Matrix Spike % Rec.	93.100	%	70-130
	1,1,1-Trichloroethane	Sample Amount	<0.002	mg/kg dry wt	
		Matrix Spk Amt Added	0.019	mg/kg dry wt	
		MS Amt Measured	0.019	mg/kg dry wt	
		Matrix Spike % Rec.	95.900	%	70-130
	Trichloroethylene	Sample Amount	<0.002	mg/kg dry wt	
		Matrix Spk Amt Added	0.019	mg/kg dry wt	
		MS Amt Measured	0.019	mg/kg dry wt	
		Matrix Spike % Rec.	96.900	%	70-130
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Sample Amount	<0.010	mg/kg dry wt	
		Matrix Spk Amt Added	0.019	mg/kg dry wt	
		MS Amt Measured	0.023	mg/kg dry wt	
		Matrix Spike % Rec.	118.300	%	70-130
	Trichlorofluoromethane	Sample Amount	<0.010	mg/kg dry wt	
		Matrix Spk Amt Added	0.019	mg/kg dry wt	
		MS Amt Measured	0.021	mg/kg dry wt	
		Matrix Spike % Rec.	110.400	%	70-130
	o-Xylene	Sample Amount	<0.002	mg/kg dry wt	
		Matrix Spk Amt Added	0.019	mg/kg dry wt	
		MS Amt Measured	0.019	mg/kg dry wt	
		Matrix Spike % Rec.	97.900	%	70-130
	m + p Xylene	Sample Amount	<0.004	mg/kg dry wt	
		Matrix Spk Amt Added	0.039	mg/kg dry wt	
		MS Amt Measured	0.040	mg/kg dry wt	
		Matrix Spike % Rec.	100.750	%	70-130
	1,2-Dichlorobenzene	Sample Amount	<0.002	mg/kg dry wt	
		Matrix Spk Amt Added	0.019	mg/kg dry wt	
		MS Amt Measured	0.019	mg/kg dry wt	
		Matrix Spike % Rec.	98.700	%	70-130
	1,3-Dichlorobenzene	Sample Amount	<0.002	mg/kg dry wt	
		Matrix Spk Amt Added	0.019	mg/kg dry wt	
		MS Amt Measured	0.019	mg/kg dry wt	
		Matrix Spike % Rec.	98.400	%	70-130
	1,1-Dichloroethane	Sample Amount	<0.002	mg/kg dry wt	
		Matrix Spk Amt Added	0.019	mg/kg dry wt	

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09B04561	1,1-Dichloroethane	MS Amt Measured	0.017	mg/kg dry wt	
		Matrix Spike % Rec.	86.200	%	70-130
	1,1-Dichloroethylene	Sample Amount	<0.004	mg/kg dry wt	
		Matrix Spk Amt Added	0.019	mg/kg dry wt	
		MS Amt Measured	0.019	mg/kg dry wt	
		Matrix Spike % Rec.	100.400	%	70-130
	1,4-Dioxane	Sample Amount	<0.100	mg/kg dry wt	
		Matrix Spk Amt Added	0.198	mg/kg dry wt	
		MS Amt Measured	0.191	mg/kg dry wt	
		Matrix Spike % Rec.	96.280	%	70-130
MTBE		Sample Amount	<0.004	mg/kg dry wt	
		Matrix Spk Amt Added	0.019	mg/kg dry wt	
		MS Amt Measured	0.018	mg/kg dry wt	
		Matrix Spike % Rec.	95.000	%	70-130
trans-1,2-Dichloroethylene		Sample Amount	<0.002	mg/kg dry wt	
		Matrix Spk Amt Added	0.019	mg/kg dry wt	
		MS Amt Measured	0.017	mg/kg dry wt	
		Matrix Spike % Rec.	90.600	%	70-130
Vinyl Chloride		Sample Amount	<0.010	mg/kg dry wt	
		Matrix Spk Amt Added	0.019	mg/kg dry wt	
		MS Amt Measured	0.018	mg/kg dry wt	
		Matrix Spike % Rec.	91.400	%	70-130
Methylene Chloride		Sample Amount	<0.020	mg/kg dry wt	
		Matrix Spk Amt Added	0.019	mg/kg dry wt	
		MS Amt Measured	0.018	mg/kg dry wt	
		Matrix Spike % Rec.	93.000	%	70-130
Chlorobenzene		Sample Amount	<0.002	mg/kg dry wt	
		Matrix Spk Amt Added	0.019	mg/kg dry wt	
		MS Amt Measured	0.019	mg/kg dry wt	
		Matrix Spike % Rec.	98.600	%	70-130
Chloromethane		Sample Amount	<0.010	mg/kg dry wt	
		Matrix Spk Amt Added	0.019	mg/kg dry wt	
		MS Amt Measured	0.015	mg/kg dry wt	
		Matrix Spike % Rec.	80.400	%	70-130
Bromomethane		Sample Amount	<0.010	mg/kg dry wt	
		Matrix Spk Amt Added	0.019	mg/kg dry wt	
		MS Amt Measured	0.022	mg/kg dry wt	
		Matrix Spike % Rec.	111.400	%	70-130
Chloroethane		Sample Amount	<0.020	mg/kg dry wt	
		Matrix Spk Amt Added	0.019	mg/kg dry wt	
		MS Amt Measured	0.021	mg/kg dry wt	
		Matrix Spike % Rec.	106.200	%	70-130
cis-1,3-Dichloropropene		Sample Amount	<0.001	mg/kg dry wt	



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09B04561	cis-1,3-Dichloropropene	Matrix Spk Amt Added	0.019	mg/kg dry wt	
		MS Amt Measured	0.017	mg/kg dry wt	
		Matrix Spike % Rec.	87.600	%	70-130
	trans-1,3-Dichloropropene	Sample Amount	<0.001	mg/kg dry wt	
		Matrix Spk Amt Added	0.019	mg/kg dry wt	
		MS Amt Measured	0.018	mg/kg dry wt	
	Chlorodibromomethane	Matrix Spike % Rec.	90.900	%	70-130
		Sample Amount	<0.001	mg/kg dry wt	
		Matrix Spk Amt Added	0.019	mg/kg dry wt	
	1,1,2-Trichloroethane	MS Amt Measured	0.020	mg/kg dry wt	
		Matrix Spike % Rec.	100.800	%	70-130
		Sample Amount	<0.002	mg/kg dry wt	
	Bromoform	Matrix Spk Amt Added	0.019	mg/kg dry wt	
		MS Amt Measured	0.017	mg/kg dry wt	
		Matrix Spike % Rec.	86.600	%	70-130
	1,1,2,2-Tetrachloroethane	Sample Amount	<0.002	mg/kg dry wt	
		Matrix Spk Amt Added	0.019	mg/kg dry wt	
		MS Amt Measured	0.018	mg/kg dry wt	
	2-Chlorotoluene	Matrix Spike % Rec.	92.500	%	70-130
		Sample Amount	<0.002	mg/kg dry wt	
		Matrix Spk Amt Added	0.019	mg/kg dry wt	
	Hexachlorobutadiene	MS Amt Measured	0.019	mg/kg dry wt	
		Matrix Spike % Rec.	99.500	%	70-130
		Sample Amount	<0.002	mg/kg dry wt	
Isopropylbenzene	Matrix Spk Amt Added	0.019	mg/kg dry wt		
	MS Amt Measured	0.018	mg/kg dry wt		
	Matrix Spike % Rec.	91.600	%	70-130	
p-Isopropyltoluene	Sample Amount	<0.002	mg/kg dry wt		
	Matrix Spk Amt Added	0.019	mg/kg dry wt		
	MS Amt Measured	0.022	mg/kg dry wt		
n-Propylbenzene	Matrix Spike % Rec.	113.600	%	70-130	
	Sample Amount	<0.002	mg/kg dry wt		
	Matrix Spk Amt Added	0.019	mg/kg dry wt		
	MS Amt Measured	0.020	mg/kg dry wt		
	Matrix Spike % Rec.	104.600	%	70-130	
	Sample Amount	<0.002	mg/kg dry wt		
	Matrix Spk Amt Added	0.019	mg/kg dry wt		
	MS Amt Measured	0.019	mg/kg dry wt		
	Matrix Spike % Rec.	99.800	%	70-130	



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09B04561	sec-Butylbenzene	Sample Amount	<0.002	mg/kg dry wt	
		Matrix Spk Amt Added	0.019	mg/kg dry wt	
		MS Amt Measured	0.019	mg/kg dry wt	
		Matrix Spike % Rec.	100.000	%	70-130
	tert-Butylbenzene	Sample Amount	<0.002	mg/kg dry wt	
		Matrix Spk Amt Added	0.019	mg/kg dry wt	
		MS Amt Measured	0.020	mg/kg dry wt	
	1,2,3-Trichlorobenzene	Matrix Spike % Rec.	100.900	%	70-130
		Sample Amount	<0.002	mg/kg dry wt	
		Matrix Spk Amt Added	0.019	mg/kg dry wt	
	1,2,4-Trichlorobenzene	MS Amt Measured	0.016	mg/kg dry wt	
		Matrix Spike % Rec.	80.700	%	70-130
Sample Amount		<0.002	mg/kg dry wt		
1,2,4-Trimethylbenzene	Matrix Spk Amt Added	0.019	mg/kg dry wt		
	MS Amt Measured	0.016	mg/kg dry wt		
	Matrix Spike % Rec.	85.000	%	70-130	
1,2,4-Trimethylbenzene	Sample Amount	<0.002	mg/kg dry wt		
	Matrix Spk Amt Added	0.019	mg/kg dry wt		
	MS Amt Measured	0.020	mg/kg dry wt		
1,3,5-Trimethylbenzene	Matrix Spike % Rec.	101.000	%	70-130	
	Sample Amount	<0.002	mg/kg dry wt		
	Matrix Spk Amt Added	0.019	mg/kg dry wt		
4-Chlorotoluene	MS Amt Measured	0.021	mg/kg dry wt		
	Matrix Spike % Rec.	105.800	%	70-130	
	Sample Amount	<0.002	mg/kg dry wt		
Dibromomethane	Matrix Spk Amt Added	0.019	mg/kg dry wt		
	MS Amt Measured	0.018	mg/kg dry wt		
	Matrix Spike % Rec.	94.300	%	70-130	
cis-1,2-Dichloroethylene	Sample Amount	<0.002	mg/kg dry wt		
	Matrix Spk Amt Added	0.019	mg/kg dry wt		
	MS Amt Measured	0.017	mg/kg dry wt		
1,1-Dichloropropene	Matrix Spike % Rec.	89.800	%	70-130	
	Sample Amount	<0.002	mg/kg dry wt		
	Matrix Spk Amt Added	0.019	mg/kg dry wt		
1,2-Dichloropropane	MS Amt Measured	0.018	mg/kg dry wt		
	Matrix Spike % Rec.	93.200	%	70-130	
	Sample Amount	<0.002	mg/kg dry wt		
	Matrix Spk Amt Added	0.019	mg/kg dry wt		
	MS Amt Measured	0.016	mg/kg dry wt		



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09B04561	1,2-Dichloropropane	Matrix Spike % Rec.	81.500	%	70-130
		Sample Amount	<0.001	mg/kg dry wt	
	1,3-Dichloropropane	Matrix Spk Amt Added	0.019	mg/kg dry wt	
		MS Amt Measured	0.017	mg/kg dry wt	
		Matrix Spike % Rec.	90.400	%	70-130
		Sample Amount	<0.002	mg/kg dry wt	
	2,2-Dichloropropane	Matrix Spk Amt Added	0.019	mg/kg dry wt	
		MS Amt Measured	0.015	mg/kg dry wt	
		Matrix Spike % Rec.	78.800	%	70-130
		Sample Amount	<0.002	mg/kg dry wt	
	1,1,1,2-Tetrachloroethane	Matrix Spk Amt Added	0.019	mg/kg dry wt	
		MS Amt Measured	0.019	mg/kg dry wt	
		Matrix Spike % Rec.	98.800	%	70-130
		Sample Amount	<0.002	mg/kg dry wt	
	1,2,3-Trichloropropane	Matrix Spk Amt Added	0.019	mg/kg dry wt	
		MS Amt Measured	0.014	mg/kg dry wt	
		Matrix Spike % Rec.	71.800	%	70-130
		Sample Amount	<0.002	mg/kg dry wt	
	n-Butylbenzene	Matrix Spk Amt Added	0.019	mg/kg dry wt	
		MS Amt Measured	0.019	mg/kg dry wt	
		Matrix Spike % Rec.	97.600	%	70-130
		Sample Amount	<0.020	mg/kg dry wt	
	Dichlorodifluoromethane	Matrix Spk Amt Added	0.019	mg/kg dry wt	
		MS Amt Measured	0.015	mg/kg dry wt	
		Matrix Spike % Rec.	76.200	%	70-130
		Sample Amount	<0.002	mg/kg dry wt	
	Bromochloromethane	Matrix Spk Amt Added	0.019	mg/kg dry wt	
		MS Amt Measured	0.020	mg/kg dry wt	
		Matrix Spike % Rec.	102.600	%	70-130
		Sample Amount	<0.002	mg/kg dry wt	
Bromobenzene	Matrix Spk Amt Added	0.019	mg/kg dry wt		
	MS Amt Measured	0.020	mg/kg dry wt		
	Matrix Spike % Rec.	102.500	%	70-130	
	Sample Amount	<0.006	mg/kg dry wt		
Acrylonitrile	Matrix Spk Amt Added	0.019	mg/kg dry wt		
	MS Amt Measured	0.016	mg/kg dry wt		
	Matrix Spike % Rec.	82.300	%	70-130	
	Sample Amount	<0.006	mg/kg dry wt		
Carbon Disulfide	Matrix Spk Amt Added	0.019	mg/kg dry wt		
	MS Amt Measured	0.021	mg/kg dry wt		
	Matrix Spike % Rec.	108.400	%	70-130	
	Sample Amount	<0.020	mg/kg dry wt		
2-Hexanone	Matrix Spk Amt Added	0.198	mg/kg dry wt		



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Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B04561	2-Hexanone	MS Amt Measured	0.188	mg/kg dry wt	
		Matrix Spike % Rec.	95.030	%	70-130
	trans-1,4-Dichloro-2-Butene	Sample Amount	<0.004	mg/kg dry wt	
		Matrix Spk Amt Added	0.019	mg/kg dry wt	
		MS Amt Measured	0.014	mg/kg dry wt	
		Matrix Spike % Rec.	75.200	%	70-130
	Diethyl Ether	Sample Amount	<0.020	mg/kg dry wt	
		Matrix Spk Amt Added	0.019	mg/kg dry wt	
		MS Amt Measured	0.020	mg/kg dry wt	
		Matrix Spike % Rec.	101.900	%	70-130
	Bromodichloromethane	Sample Amount	<0.002	mg/kg dry wt	
		Matrix Spk Amt Added	0.019	mg/kg dry wt	
		MS Amt Measured	0.018	mg/kg dry wt	
		Matrix Spike % Rec.	94.300	%	70-130
	1,2-Dichloroethane-d4	Surrogate Recovery	96.760	%	70-130
	Toluene-d8	Surrogate Recovery	94.800	%	70-130
	Bromofluorobenzene	Surrogate Recovery	96.000	%	70-130
	1,2-Dibromo-3-Chloropropane	Sample Amount	<0.002	mg/kg dry wt	
		Matrix Spk Amt Added	0.019	mg/kg dry wt	
		MS Amt Measured	0.015	mg/kg dry wt	
		Matrix Spike % Rec.	80.200	%	70-130
	1,2-Dibromoethane	Sample Amount	<0.001	mg/kg dry wt	
		Matrix Spk Amt Added	0.019	mg/kg dry wt	
		MS Amt Measured	0.018	mg/kg dry wt	
		Matrix Spike % Rec.	94.600	%	70-130
	Tetrahydrofuran	Sample Amount	<0.010	mg/kg dry wt	
		Matrix Spk Amt Added	0.019	mg/kg dry wt	
		MS Amt Measured	0.015	mg/kg dry wt	
		Matrix Spike % Rec.	76.100	%	70-130
	tert-Butyl Alcohol	Sample Amount	<0.040	mg/kg dry wt	
		Matrix Spk Amt Added	0.198	mg/kg dry wt	
		MS Amt Measured	0.127	mg/kg dry wt	
		Matrix Spike % Rec.	64.199	%	70-130
	Diisopropyl Ether	Sample Amount	<0.001	mg/kg dry wt	
		Matrix Spk Amt Added	0.019	mg/kg dry wt	
		MS Amt Measured	0.017	mg/kg dry wt	
		Matrix Spike % Rec.	85.700	%	70-130
	tert-Butylethyl Ether	Sample Amount	<0.001	mg/kg dry wt	
		Matrix Spk Amt Added	0.019	mg/kg dry wt	
		MS Amt Measured	0.017	mg/kg dry wt	
		Matrix Spike % Rec.	87.900	%	70-130
	tert-Amylmethyl Ether	Sample Amount	<0.001	mg/kg dry wt	
		Matrix Spk Amt Added	0.019	mg/kg dry wt	

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Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B04561	tert-Amylmethyl Ether	MS Amt Measured	0.017	mg/kg dry wt	
		Matrix Spike % Rec.	88.600	%	70-130
	1,3,5-Trichlorobenzene	Sample Amount	<0.002	mg/kg dry wt	
		Matrix Spk Amt Added	0.019	mg/kg dry wt	
		MS Amt Measured	0.018	mg/kg dry wt	
09B04562		Matrix Spike % Rec.	94.300	%	70-130
	1,2-Dichloroethane-d4	Surrogate Recovery	96.280	%	70-130
09B04563	Toluene-d8	Surrogate Recovery	92.960	%	70-130
	Bromofluorobenzene	Surrogate Recovery	94.120	%	70-130
09B04564	1,2-Dichloroethane-d4	Surrogate Recovery	93.480	%	70-130
	Toluene-d8	Surrogate Recovery	94.280	%	70-130
	Bromofluorobenzene	Surrogate Recovery	94.240	%	70-130
09B04568	1,2-Dichloroethane-d4	Surrogate Recovery	93.360	%	70-130
	Toluene-d8	Surrogate Recovery	94.480	%	70-130
	Bromofluorobenzene	Surrogate Recovery	92.080	%	70-130
BLANK-129721	1,2-Dichloroethane-d4	Surrogate Recovery	94.720	%	70-130
	Toluene-d8	Surrogate Recovery	93.200	%	70-130
	Bromofluorobenzene	Surrogate Recovery	93.440	%	70-130
BLANK-129721	Acetone	Blank	<0.10	mg/kg dry wt	
	Benzene	Blank	<0.002	mg/kg dry wt	
	Carbon Tetrachloride	Blank	<0.002	mg/kg dry wt	
	Chloroform	Blank	<0.004	mg/kg dry wt	
	1,2-Dichloroethane	Blank	<0.002	mg/kg dry wt	
	1,4-Dichlorobenzene	Blank	<0.002	mg/kg dry wt	
	Ethyl Benzene	Blank	<0.002	mg/kg dry wt	
	2-Butanone (MEK)	Blank	<0.040	mg/kg dry wt	
	MIBK	Blank	<0.020	mg/kg dry wt	
	Naphthalene	Blank	<0.004	mg/kg dry wt	
	Styrene	Blank	<0.002	mg/kg dry wt	
	Tetrachloroethylene	Blank	<0.002	mg/kg dry wt	
	Toluene	Blank	<0.002	mg/kg dry wt	
	1,1,1-Trichloroethane	Blank	<0.002	mg/kg dry wt	
	Trichloroethylene	Blank	<0.002	mg/kg dry wt	
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Blank	<0.010	mg/kg dry wt	
	Trichlorofluoromethane	Blank	<0.010	mg/kg dry wt	
	o-Xylene	Blank	<0.002	mg/kg dry wt	
	m + p Xylene	Blank	<0.004	mg/kg dry wt	
	1,2-Dichlorobenzene	Blank	<0.002	mg/kg dry wt	



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Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-129721					
	1,3-Dichlorobenzene	Blank	<0.002	mg/kg dry wt	
	1,1-Dichloroethane	Blank	<0.002	mg/kg dry wt	
	1,1-Dichloroethylene	Blank	<0.004	mg/kg dry wt	
	1,4-Dioxane	Blank	<0.10	mg/kg dry wt	
	MTBE	Blank	<0.004	mg/kg dry wt	
	trans-1,2-Dichloroethylene	Blank	<0.002	mg/kg dry wt	
	Vinyl Chloride	Blank	<0.010	mg/kg dry wt	
	Methylene Chloride	Blank	<0.020	mg/kg dry wt	
	Chlorobenzene	Blank	<0.002	mg/kg dry wt	
	Chloromethane	Blank	<0.010	mg/kg dry wt	
	Bromomethane	Blank	<0.010	mg/kg dry wt	
	Chloroethane	Blank	<0.020	mg/kg dry wt	
	cis-1,3-Dichloropropene	Blank	<0.001	mg/kg dry wt	
	trans-1,3-Dichloropropene	Blank	<0.001	mg/kg dry wt	
	Chlorodibromomethane	Blank	<0.001	mg/kg dry wt	
	1,1,2-Trichloroethane	Blank	<0.002	mg/kg dry wt	
	Bromoform	Blank	<0.002	mg/kg dry wt	
	1,1,2,2-Tetrachloroethane	Blank	<0.001	mg/kg dry wt	
	2-Chlorotoluene	Blank	<0.002	mg/kg dry wt	
	Hexachlorobutadiene	Blank	<0.002	mg/kg dry wt	
	Isopropylbenzene	Blank	<0.002	mg/kg dry wt	
	p-Isopropyltoluene	Blank	<0.002	mg/kg dry wt	
	n-Propylbenzene	Blank	<0.002	mg/kg dry wt	
	sec-Butylbenzene	Blank	<0.002	mg/kg dry wt	
	tert-Butylbenzene	Blank	<0.002	mg/kg dry wt	
	1,2,3-Trichlorobenzene	Blank	<0.002	mg/kg dry wt	
	1,2,4-Trichlorobenzene	Blank	<0.002	mg/kg dry wt	
	1,2,4-Trimethylbenzene	Blank	<0.002	mg/kg dry wt	
	1,3,5-Trimethylbenzene	Blank	<0.002	mg/kg dry wt	
	4-Chlorotoluene	Blank	<0.002	mg/kg dry wt	
	Dibromomethane	Blank	<0.002	mg/kg dry wt	
	cis-1,2-Dichloroethylene	Blank	<0.002	mg/kg dry wt	
	1,1-Dichloropropene	Blank	<0.002	mg/kg dry wt	
	1,2-Dichloropropane	Blank	<0.002	mg/kg dry wt	
	1,3-Dichloropropane	Blank	<0.001	mg/kg dry wt	
	2,2-Dichloropropane	Blank	<0.002	mg/kg dry wt	
	1,1,1,2-Tetrachloroethane	Blank	<0.002	mg/kg dry wt	
	1,2,3-Trichloropropane	Blank	<0.002	mg/kg dry wt	
	n-Butylbenzene	Blank	<0.002	mg/kg dry wt	
	Dichlorodifluoromethane	Blank	<0.020	mg/kg dry wt	
	Bromochloromethane	Blank	<0.002	mg/kg dry wt	
	Bromobenzene	Blank	<0.002	mg/kg dry wt	
	Acrylonitrile	Blank	<0.006	mg/kg dry wt	



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BLANK-129721					
	Carbon Disulfide	Blank	<0.006	mg/kg dry wt	
	2-Hexanone	Blank	<0.020	mg/kg dry wt	
	trans-1,4-Dichloro-2-Butene	Blank	<0.004	mg/kg dry wt	
	Diethyl Ether	Blank	<0.020	mg/kg dry wt	
	Bromodichloromethane	Blank	<0.002	mg/kg dry wt	
	1,2-Dibromo-3-Chloropropane	Blank	<0.002	mg/kg dry wt	
	1,2-Dibromoethane	Blank	<0.001	mg/kg dry wt	
	Tetrahydrofuran	Blank	<0.010	mg/kg dry wt	
	tert-Butyl Alcohol	Blank	<0.040	mg/kg dry wt	
	Diisopropyl Ether	Blank	<0.001	mg/kg dry wt	
	tert-Butylethyl Ether	Blank	<0.001	mg/kg dry wt	
	tert-Amylmethyl Ether	Blank	<0.001	mg/kg dry wt	
	1,3,5-Trichlorobenzene	Blank	<0.002	mg/kg dry wt	
LFBLANK-91827					
	Acetone	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.281	mg/kg dry wt	
		Lab Fort Blk. % Rec.	140.720	%	70-160
	Benzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	92.500	%	70-130
	Carbon Tetrachloride	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	107.200	%	70-130
	Chloroform	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	93.000	%	70-130
	1,2-Dichloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	107.600	%	70-130
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	104.200	%	70-130
	Ethyl Benzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	109.100	%	70-130
	2-Butanone (MEK)	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.202	mg/kg dry wt	
		Lab Fort Blk. % Rec.	101.470	%	70-160
	MIBK	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.198	mg/kg dry wt	
		Lab Fort Blk. % Rec.	99.250	%	70-160
	Naphthalene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	



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LFBLANK-91827					
	Naphthalene	Lab Fort Blk. % Rec.	101.100	%	40-130
	Styrene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	109.000	%	70-130
	Tetrachloroethylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.022	mg/kg dry wt	
		Lab Fort Blk. % Rec.	110.400	%	70-130
	Toluene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	99.500	%	70-130
	1,1,1-Trichloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	105.300	%	70-130
	Trichloroethylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.100	%	70-130
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.025	mg/kg dry wt	
		Lab Fort Blk. % Rec.	126.800	%	70-130
	Trichlorofluoromethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.024	mg/kg dry wt	
		Lab Fort Blk. % Rec.	120.900	%	70-130
	o-Xylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	105.600	%	70-130
	m + p Xylene	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.042	mg/kg dry wt	
		Lab Fort Blk. % Rec.	107.350	%	70-130
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	107.300	%	70-130
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	108.200	%	70-130
	1,1-Dichloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	92.000	%	70-130
	1,1-Dichloroethylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	105.500	%	70-130
	1,4-Dioxane	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.179	mg/kg dry wt	
		Lab Fort Blk. % Rec.	89.780	%	40-160



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LFBLANK-91827	MTBE	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.600	%	70-130
trans-1,2-Dichloroethylene		Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	96.300	%	70-130
Vinyl Chloride		Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.100	%	40-130
Methylene Chloride		Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	92.700	%	40-160
Chlorobenzene		Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	105.400	%	70-130
Chloromethane		Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	88.900	%	40-130
Bromomethane		Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	99.800	%	40-130
Chloroethane		Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	105.900	%	70-130
cis-1,3-Dichloropropene		Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	97.700	%	70-130
trans-1,3-Dichloropropene		Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.800	%	70-130
Chlorodibromomethane		Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.023	mg/kg dry wt	
		Lab Fort Blk. % Rec.	115.500	%	70-130
1,1,2-Trichloroethane		Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	91.300	%	70-130
Bromoform		Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.027	mg/kg dry wt	
		Lab Fort Blk. % Rec.	138.700	%	70-130
1,1,2,2-Tetrachloroethane		Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.300	%	70-130
2-Chlorotoluene		Lab Fort Blank Amt.	0.020	mg/kg dry wt	



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LFBLANK-91827					
	2-Chlorotoluene	Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	109.400	%	70-130
	Hexachlorobutadiene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.023	mg/kg dry wt	
		Lab Fort Blk. % Rec.	117.900	%	70-130
	Isopropylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.024	mg/kg dry wt	
		Lab Fort Blk. % Rec.	123.700	%	70-130
	p-Isopropyltoluene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.023	mg/kg dry wt	
		Lab Fort Blk. % Rec.	115.400	%	70-130
	n-Propylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.022	mg/kg dry wt	
		Lab Fort Blk. % Rec.	111.600	%	70-130
	sec-Butylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.022	mg/kg dry wt	
		Lab Fort Blk. % Rec.	110.700	%	70-130
	tert-Butylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.022	mg/kg dry wt	
		Lab Fort Blk. % Rec.	110.100	%	70-160
	1,2,3-Trichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	105.300	%	70-130
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	104.200	%	70-130
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.022	mg/kg dry wt	
		Lab Fort Blk. % Rec.	111.600	%	70-130
	1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.023	mg/kg dry wt	
		Lab Fort Blk. % Rec.	117.500	%	70-130
	4-Chlorotoluene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	109.100	%	70-130
	Dibromomethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	98.200	%	70-130
	cis-1,2-Dichloroethylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	95.500	%	70-130
	1,1-Dichloropropene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	



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LFBLANK-91827					
	1,1-Dichloropropene	Lab Fort Blk. % Rec.	100.900	%	70-130
	1,2-Dichloropropene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	86.700	%	70-130
	1,3-Dichloropropene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	96.900	%	70-130
	2,2-Dichloropropene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	88.500	%	70-130
	1,1,1,2-Tetrachloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.022	mg/kg dry wt	
		Lab Fort Blk. % Rec.	111.800	%	70-130
	1,2,3-Trichloropropene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.016	mg/kg dry wt	
		Lab Fort Blk. % Rec.	81.900	%	70-130
	n-Butylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.022	mg/kg dry wt	
		Lab Fort Blk. % Rec.	110.600	%	70-130
	Dichlorodifluoromethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.016	mg/kg dry wt	
		Lab Fort Blk. % Rec.	83.900	%	40-160
	Bromochloromethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	109.500	%	70-130
	Bromobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.022	mg/kg dry wt	
		Lab Fort Blk. % Rec.	112.700	%	70-130
	Acrylonitrile	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	87.900	%	70-160
	Carbon Disulfide	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.023	mg/kg dry wt	
		Lab Fort Blk. % Rec.	118.800	%	70-130
	2-Hexanone	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.201	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.970	%	70-160
	trans-1,4-Dichloro-2-Butene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	91.900	%	70-130
	Diethyl Ether	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	104.000	%	70-130



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Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-91827	Bromodichloromethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	104.100	%	70-130
1,2-Dibromo-3-Chloropropane	1,2-Dibromo-3-Chloropropane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.100	%	70-130
1,2-Dibromoethane	1,2-Dibromoethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	104.000	%	70-130
Tetrahydrofuran	Tetrahydrofuran	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	91.400	%	70-130
tert-Butyl Alcohol	tert-Butyl Alcohol	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.153	mg/kg dry wt	
		Lab Fort Blk. % Rec.	76.970	%	40-130
Diisopropyl Ether	Diisopropyl Ether	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	89.400	%	70-130
tert-Butylethyl Ether	tert-Butylethyl Ether	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	94.500	%	70-130
tert-Amylmethyl Ether	tert-Amylmethyl Ether	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	97.200	%	70-130
1,3,5-Trichlorobenzene	1,3,5-Trichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.022	mg/kg dry wt	
		Lab Fort Blk. % Rec.	111.400	%	70-130



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 3/2/2009

Lims Bat #: LIMIT-23332

Page 24 of 27

QC Batch Number: HG-9883

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-129740	Mercury	Blank	<0.025	mg/kg dry wt	
LFBLANK-91846	Mercury	Lab Fort Blank Amt.	1.250	mg/kg dry wt	
		Lab Fort Blk. Found	1.171	mg/kg dry wt	
		Lab Fort Blk. % Rec.	93.723	%	65.9-133



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 3/2/2009

Lims Bat #: LIMIT-23332

Page 25 of 27

QC Batch Number: ICP-21219

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B04553	Copper	Sample Amount	143.97	mg/kg dry wt	
		Duplicate Value	103.71	mg/kg dry wt	
		Duplicate RPD	32.51	%	0-35
		Sample Amount	143.97	mg/kg dry wt	
		Matrix Spk Amt Added	30.12	mg/kg dry wt	
		MS Amt Measured	155.68	mg/kg dry wt	
	Lead	Matrix Spike % Rec.	38.89	%	75-125
		Sample Amount	57.82	mg/kg dry wt	
		Duplicate Value	49.13	mg/kg dry wt	
		Duplicate RPD	16.25	%	0-35
		Sample Amount	57.82	mg/kg dry wt	
		Matrix Spk Amt Added	30.12	mg/kg dry wt	
		MS Amt Measured	76.89	mg/kg dry wt	
		Matrix Spike % Rec.	63.29	%	75-125
BLANK-129867	Silver	Blank	<0.50	mg/kg dry wt	
	Arsenic	Blank	<2.50	mg/kg dry wt	
	Barium	Blank	<5.00	mg/kg dry wt	
	Beryllium	Blank	<0.25	mg/kg dry wt	
	Cadmium	Blank	<0.25	mg/kg dry wt	
	Chromium	Blank	<0.50	mg/kg dry wt	
	Copper	Blank	<0.50	mg/kg dry wt	
	Nickel	Blank	<0.50	mg/kg dry wt	
	Lead	Blank	<0.75	mg/kg dry wt	
	Antimony	Blank	<4.00	mg/kg dry wt	
	Selenium	Blank	<5.00	mg/kg dry wt	
	Thallium	Blank	<3.00	mg/kg dry wt	
	Vanadium	Blank	<5.00	mg/kg dry wt	
	Zinc	Blank	<1.00	mg/kg dry wt	
LFBLANK-91985	Silver	Lab Fort Blank Amt.	62.40	mg/kg dry wt	
		Lab Fort Blk. Found	51.54	mg/kg dry wt	
		Lab Fort Blk. % Rec.	82.59	%	66-133
	Arsenic	Lab Fort Blank Amt.	123.00	mg/kg dry wt	
		Lab Fort Blk. Found	114.29	mg/kg dry wt	
		Lab Fort Blk. % Rec.	92.91	%	80-120
	Barium	Lab Fort Blank Amt.	256.00	mg/kg dry wt	
		Lab Fort Blk. Found	234.49	mg/kg dry wt	
		Lab Fort Blk. % Rec.	91.59	%	81-119
	Beryllium	Lab Fort Blank Amt.	75.90	mg/kg dry wt	
		Lab Fort Blk. Found	74.61	mg/kg dry wt	
		Lab Fort Blk. % Rec.	98.30	%	84-116
	Cadmium	Lab Fort Blank Amt.	258.00	mg/kg dry wt	



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 3/2/2009

Lims Bat #: LIMIT-23332

Page 26 of 27

QC Batch Number: ICP-21219

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-91985	Cadmium	Lab Fort Blk. Found	229.46	mg/kg dry wt	
		Lab Fort Blk. % Rec.	88.93	%	83-117
	Chromium	Lab Fort Blank Amt.	138.00	mg/kg dry wt	
		Lab Fort Blk. Found	127.03	mg/kg dry wt	
	Copper	Lab Fort Blk. % Rec.	92.05	%	82-118
		Lab Fort Blank Amt.	122.00	mg/kg dry wt	
	Nickel	Lab Fort Blk. Found	117.65	mg/kg dry wt	
		Lab Fort Blk. % Rec.	96.43	%	83-117
	Lead	Lab Fort Blank Amt.	111.00	mg/kg dry wt	
		Lab Fort Blk. Found	97.30	mg/kg dry wt	
	Antimony	Lab Fort Blk. % Rec.	87.65	%	80-120
		Lab Fort Blank Amt.	136.00	mg/kg dry wt	
	Selenium	Lab Fort Blk. Found	116.03	mg/kg dry wt	
		Lab Fort Blk. % Rec.	85.31	%	82-118
	Thallium	Lab Fort Blank Amt.	138.00	mg/kg dry wt	
		Lab Fort Blk. Found	115.38	mg/kg dry wt	
	Vanadium	Lab Fort Blk. % Rec.	83.60	%	30-207
		Lab Fort Blank Amt.	199.00	mg/kg dry wt	
	Zinc	Lab Fort Blk. Found	177.39	mg/kg dry wt	
		Lab Fort Blk. % Rec.	89.14	%	77-123
		Lab Fort Blank Amt.	297.00	mg/kg dry wt	
		Lab Fort Blk. Found	263.18	mg/kg dry wt	
		Lab Fort Blk. % Rec.	88.61	%	82-120
		Lab Fort Blank Amt.	158.00	mg/kg dry wt	
		Lab Fort Blk. Found	148.01	mg/kg dry wt	
		Lab Fort Blk. % Rec.	93.67	%	80-120
		Lab Fort Blank Amt.	314.00	mg/kg dry wt	
		Lab Fort Blk. Found	277.62	mg/kg dry wt	
		Lab Fort Blk. % Rec.	88.41	%	81-119



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 3/2/2009

Lims Bat #: LIMIT-23332

Page 27 of 27

QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER	This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.
LIMITS	Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.
Sample Amount	Amount of analyte found in a sample.
Blank	Method Blank that has been taken though all the steps of the analysis.
LFBLANK	Laboratory Fortified Blank (a control sample)
STDADD	Standard Added (a laboratory control sample)
Matrix Spk Amt Added	Amount of analyte spiked into a sample
MS Amt Measured	Amount of analyte found including amount that was spiked
Matrix Spike % Rec.	% Recovery of spiked amount in sample.
Duplicate Value	The result from the Duplicate analysis of the sample.
Duplicate RPD	The Relative Percent Difference between two Duplicate Analyses.
Surrogate Recovery	The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.
Sur. Recovery (ELCD)	Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID)	Surrogate Recovery on the Photoionization Detector.
Standard Measured	Amount measured for a laboratory control sample
Standard Amt Added	Known value for a laboratory control sample
Standard % Recovery	% recovered for a laboratory control sample with a known value.
Lab Fort Blank Amt	Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found	Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec	Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt	Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd	Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec	Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range	Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).
Lab Fort Bl. Av. Rec.	Laboratory Fortified Blank Average Recovery
Duplicate Sample Amt	Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added	Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured	Matrix Spike Duplicate Amount Measured
MSD % Recovery	Matrix Spike Duplicate % Recovery
MSD Range	Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries



REASONABLE CONFIDENCE PROTOCOL

LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: AECOM- Rocky Hill, CT

Project Location: Meriden Factory H

Project Number: L1MT- 23332

Laboratory Sample ID(s): 09804553- 09804571

Sampling Date(s): 2/17/09

List RCP Methods Used (e.g., 8260, 8270, et cetera): 8260, 6010, ETPH, 8270, 7471

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1A	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1B	<u>VPH and EPH Methods only</u> : Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3	Were samples received at an appropriate temperature (<6° C°)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence." This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: M Erickson Position: Assistant Laboratory Director
 Printed Name: Michael Erickson Date: 3/2/09
 Name of Laboratory: CON-TEST ANALYTICAL LABORATORY

This certification form is to be used for RCP methods only.



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 Fax: 413-525-6405
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CHAIN OF CUSTODY RECORD

Limit # 23332

39 SPRUCE ST, 2ND FLOOR
 EAST LONGMEADOW, MA 01028

Page 1 of 4

Company Name: AECOM
 Address: 500 FAIRVIEW DR, STE 110
ROCKY HILL CT
S. PULVERIA / S. BONDS

Attention: S. PULVERIA / S. BONDS

Project Location: WALDEN FACILITY H
SPARTANA / S. BONDS

Proposal Provided? (For Billing purposes) Yes No
 State Form Required? Yes No
 Proposal date: 1/16/09

Telephone: 860, 26035800
 Project # 100073489
 Client PO # _____

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT
 Email: _____
 Format: EXCEL PDF GIS KEY
 OTHER _____

Field ID	Sample Description	Lab #	Date Sampled	Stop Date/Time	Comp-osite	Grab	Matrix Conc. Code	Analysis Requested
ME-SS-01	0-1'	04553	2/17/09	11:40	X	X	S	PAHs Lead Copper ETH CTDP 15 metals VOCs
ME-SS-02	0-1'	04554	2/17/09	12:40	X	X	S	
ME-SS-03	0-1'	04555	2/17/09	12:10	X	X	S	
ME-SS-04	0-1'	04556	2/17/09	13:15	X	X	S	
ME-SS-05	0-1'	04557	2/17/09	12:00	X	X	S	
ME-SS-06	0-1'	04558	2/17/09	13:40	X	X	S	
ME-SS-07	0-1'	04559	2/17/09	10:20	X	X	S	
ME-SS-08	0-1'	04560	2/17/09	14:00	X	X	S	

DI VIALS / ENCORE
 FROZEN AT:
 02-18-09 14:53 OUT
 LA 17B 90

Requisitioned by: (signature) [Signature] Date/Time: 2-18-09 9:00

Received by: (signature) [Signature] Date/Time: 2/18/09 2:45

Turnaround **
 5-8 Day
 10-Day
 Other _____
 RUSH *
 *24-Hr *48-Hr
 *72-Hr *4-Day
 *Require lab approval

Detection Limit Requirements
 Regulations? MS / GAPAC
 Data Enhancement Project/PCP? Y N
 Special Requirements or DL's: MS / GAPAC

*Matrix Codes:
 GW = groundwater
 WW = wastewater
 DW = drinking water
 A = air
 S = soil/solid
 SL = sludge
 O = other

**Preservation Codes:
 I = Iced
 H = HCL
 M = Methanol
 N = Nitric Acid
 S = Sulfuric Acid
 B = Sodium bisulfate
 O = Other

X = Na hydroxide
 T = Na thiosulfate

Client Comments: _____

INCORRECT, TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS



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CHAIN OF CUSTODY RECORD

39 SPRUCE ST, 2ND FLOOR
 EAST LONGMEADOW, MA 01028

Company Name: AECOM
 Address: Rocky Hill
 Attention: S. PETERA / S. BONNOS
 Project Location: FABRIKAT-MULDEN
 Sampled By: S. PETERA / N. SOLEWITZ

Telephone: 860 263 5800
 Project #: 100073489
 Client PO #: _____

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT
 Email: _____
 Format: EXCEL PDF GIS KEY

Proposal Provided? (For Billing purposes)
 yes NOV 08 proposal date
 no

State Form Required?
 yes no

Field ID	Sample Description	Lab #	Start Date/Time	Stop Date/Time	Comp-site	Grab	Matrix Code	Conc. Code	ANALYSIS REQUESTED	
ME-SB-06	0-1'	04561	2/17/09	9:17		X	S		VOCs	
ME-SB-06	2-3'	04562		9:22		X	S		PAHs	
ME-SB-07	0-1'	04563		9:35		X	S		Lead	
ME-SB-07	2-4'	04564		9:55		X	S		MTX	
ME-SB-10	0-1'	04565		11:00		X	S		CTDEF 15/2ml	
ME-SB-11	0-6"	04566		11:45		X	S			
ME-SB-11	1-15'	04568		11:50		X	S			
ME-SB-12	0-1'	04567		12:15		X	S			

Client: _____
 Comments: _____
 FROZEN AT:
 02-18-09 14:53 OUT
LA

Laboratory Comments: _____
 H - High; M - Medium; L - Low; C - Clean; U - Unknown
 Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:

Relinquished by (signature): _____ Date/Time: _____
 Received by (signature): _____ Date/Time: _____
 Turnaround **
 1-0-Day Other _____
 *24-Hr *48-Hr *72-Hr *4-Day
 BUSH *
 *Require Lab approval
 Detection Limit Requirements
 Regulations? _____
 Data Enhancement Project/RCP? Y N
 Special Requirements or DL's: _____
 Matrix Code: _____
 Preservation Codes:
 I = Iced X = Na hydroxide
 H = HCL T = Na thiosulfate
 M = Methanol
 N = Nitric Acid
 S = Sulfuric Acid
 B = Sodium bisulfate
 O = Other

TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.
 AIHA, NELAP & WBE/DBE Certified



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CHAIN OF CUSTODY RECORD

39 SPRUCE ST, 2ND FLOOR
 EAST LONGMEADOW, MA 01028

Company Name: PECOM
 Address: ROCKY HILL
39 SPRUCE ST, 2ND FLOOR
 Attention: STEVEN W. BENTON
 Project Location: STATION STREET
 Sampled By: STEVEN W. BENTON

Proposal Provided? (For Billing purposes) yes no
 State Form Required? yes no
 Proposal date: 11/10/08

Telephone: 800 210 3580
 Project #: U0073489
 Client PO #: _____
 DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT
 Email: _____
 Format: EXCEL PDF GIS KEY
 OTHER

Field ID	Sample Description	Lab #	Start Date/Time	Stop Date/Time	Comp-site	Grab	Matrix Code	Conc. Code
	ME-SS-02	2-4'						
	ME-SS-03	2-4'						
	ME-SS-04	1-4'						
	ME-SS-06	2-4'						
	ME-SS-07	4-5'						

Laboratory Comments: _____
 H - High; M - Medium; L - Low; C - Clean; U - Unknown
 Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:

Field ID: _____
 Sample Description: _____
 Lab #: _____
 Date/Time: _____
 Turnaround: 5-7 Day 10-Day Other _____
 Require lab approval: 24-Hr 48-Hr 72-Hr 4-Day
 Detection Limit Requirements: AS PART
 Data Enhancement Project/RCP? Y N
 Special Requirements: AS PART
 Matrix Code: _____
 Preservation Codes: _____

Received by (signature): _____
 Date/Time: 2/18/09
 Received by (signature): _____
 Date/Time: 2/18/09
 Received by (signature): _____
 Date/Time: 2/18/09

TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY CLIENT.
 AHMA, NELAC & WBEF certified

# of containers	**Preservation	-Cont. Code	Dish. Code	Analysis Requested

Client Comments: _____
 FROZEN AT:
 02-18-09 14:53 OUT
 HOLD IN MATRIX ROOM



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CHAIN OF CUSTODY RECORD
 Limit # 23332

39 SPRUCE ST, 2ND FLOOR
 EAST LONGMEADOW, MA 01028

Company Name: ACEDM

Address: ACEDM

Attention: ADAM HILL

Project Location: 80/56

Sampled By: WYNNON FARBRETT

Proposal Provided? (For Billing purposes) Yes No

State Form Required? Yes No

Proposal date: 11/18

Telephone: 910 263 5800
 Project # 00073189
 Client PO # _____

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT

Email: _____
 Format: EXCEL PDF GIS KEY
 OTHER

Field ID	Sample Description	Lab #	Start Date/Time	Stop Date/Time	Comp-site	Grab	Matrix Code	Conc. Code
	DEK/ME-SS-DVP	04568	2/17/09	9:55	0	0	5	
	ME-SS DVP	04569		11:00	0	0	5	
	ME-SS-09	04570		10:25	0	0	5	
	ME-SS-09	04571		10:25	0	0	5	

Laboratory Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Detection Limit Requirements

Regulations: MS/CA/PL/PC
 Data Enhancement Project/RCP? Y N
 Special Requirements (PDLs): MS/PL/PC

Matrix Code:
 GW = groundwater
 WW = wastewater
 DW = drinking water
 A = air
 S = soil/solid
 SL = sludge
 O = other

Preservation Codes:
 I = Iced
 H = HCL
 M = Methanol
 S = Sulfuric Acid
 B = Sodium bisulfate
 O = Other
 X = Na hydroxide
 T = Na thiosulfate

ANALYSIS REQUESTED

VOL,
 PAH,
 Pb
 Copper
 MTPH
 15 metals

DIALS/ENCORE
 FROZEN AT:

02-18-09 14:53 OUT

Client Comments:

Requested by (signature) [Signature] Date/Time: 2/18/09 9:00
 Received by (signature) [Signature] Date/Time: 2/18/09 2:45
 Turnaround: 5X Day 10-Day Other
 RUSH * 24-Hr 48-Hr 72-Hr 4-Day
 * Require lab approval

TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.



REASONABLE CONFIDENCE PROTOCOL

LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: AECOM- Rocky Hill, CT

Project Location: Meriden Factory H

Project Number: LIMT- 23332

Laboratory Sample ID(s): 09B04553- 09B04571

Sampling Date(s): 2/17/09

List RCP Methods Used (e.g., 8260, 8270, et cetera): 8260, 6010, ETPH, 8270, 7471

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1A	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1B	<i>VPH and EPH Methods only:</i> Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3	Were samples received at an appropriate temperature (<6° C°)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5	a) Were reporting limits specified or referenced on the chain-of-custody?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	b) Were these reporting limits met?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence." This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Michael Erickson Position: Assistant Laboratory Director

Printed Name: Michael Erickson Date: 3/2/09

Name of Laboratory: CON-TEST ANALYTICAL LABORATORY

This certification form is to be used for RCP methods only.



Phone: 413-525-2332
 Fax: 413-525-6405
 Email: info@contestlabs.com
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CHAIN OF CUSTODY RECORD
 Limit # 23332

39 SPRUCE ST, 2ND FLOOR
 EAST LONGMEADOW, MA 01028

Page 1 of 4

Company Name: ACCION
 Address: SPRINGFIELD DR, STE 110
ROCKY HILL CT
S. PALMATA / S. BONDS

Telephone: 860 216 3580
 Project # 100073489
 Client PO # _____

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT

Attention: _____
 Project Location: WALTON FACILITY
 Sampled By: SPATNERA / S. BONDS

Email: _____
 Fax #: _____
 Format: EXCEL PDF GIS KEY

Proposal Provided? (For Billing purposes)
 Yes No
 State Form Required?
 Yes No

Field ID	Sample Description	Lab #	Start Date/Time	Stop Date/Time	Comp. Grab	Matrix Code	Conc. Code	Analysis Requested
ME-SS-01	0-1'	04553	2/17/09	11:40	X	S	O	PAHs Lead Copper ETPH CTMP 15 metals VOCs
ME-SS-02	0-1'	04554	2/17/09	12:40	X	S	O	
ME-SS-03	0-1'	04555	2/17/09	12:40	X	S	O	
ME-SS-04	0-1'	04556	2/17/09	13:15	X	S	O	
ME-SS-05	0-1'	04557	2/17/09	12:00	X	S	O	
ME-SS-06	0-1'	04558	2/17/09	13:40	X	S	O	
ME-SS-07	0-1'	04559	2/17/09	10:20	X	S	O	
ME-SS-08	0-1'	04560	2/17/09	14:00	X	S	O	

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) _____ Date/Time: 2/18/09 9AM

Received by: (signature) _____ Date/Time: 2/18/09 9AM

Relinquished by: (signature) _____ Date/Time: 2/18/09 2:45

Received by: (signature) _____ Date/Time: 2/18/09 11:45

Turnaround **
 5-7 Day
 10-Day
 Other _____

* Require lab approval
 *24-Hr *48-Hr *72-Hr *4-Day

Detection Limit Requirements
 Regulations? MS/CA/PC
 Data Enhancement Project/RCP? Y N

Special Requirements or P.S.: MS/CA

** Matrix Codes:
 GW = groundwater
 WW = wastewater
 DW = drinking water
 A = air
 S = soil/solid
 SL = sludge
 O = other

** Preservation Codes:
 I = Iced
 H = HCl
 M = Methanol
 N = Nitric Acid
 S = Sulfuric Acid
 B = Sodium bisulfate
 O = Other

X = Na hydroxide
 T = Na thiosulfate

Client: _____
 Comments: DI VIALS / ENCORE
FROZEN AT:
02-18-09 14:53 OUT
7A 17B 90

TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

AIHA, NELAP & WBE/DBE Certified



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 Fax: 413-525-8405
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CHAIN OF CUSTODY RECORD

Limit # 23332

39 SPRUCE ST, 2ND FLOOR
 EAST LONGMEADOW, MA 01028

Page 2 of 4

Company Name: AECOM
 Address: FOGAY HILL
9 BELMONT ST BOSTON

Attention: FACTORY/HOUSEHOLD

Project Location: S PRIMA/D/S. SOLIDW

Proposed Provided? (For Billing purposes) yes no

State Form Required? yes no

Telephone: 800 263 5800
 Project # 60073489
 Client PO # _____

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT

Format: EXCEL PDF GIS KEY

Field ID	Sample Description	Lab #	Date Sampled	Stop Date/Time	Comp- osite	Grab	Matrix Conc. Code
ME-SB-06	0-1'	04561	2/17/09	9:17	X	X	S
ME-SB-06	2-3'	04562		9:22	X	X	S
ME-SB-07	0-1'	04563		9:35	X	X	S
ME-SB-07	2-4'	04564		9:55	X	X	S
ME-SB-10	0-1'	04565		11:00	X	X	S
ME-SB-11	0-6"	04566		14:45	X	X	S
ME-SB-11	1-15'	04566		14:50	X	X	S
ME-SB-12	0-1'	04567		10:15	X	X	S

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Reference by (signature) _____
 Date/Time: _____

Reference by (signature) _____
 Date/Time: _____

Reference by (signature) _____
 Date/Time: _____

Received by (signature) Tempa
 Date/Time: 2/18/09 14:45

of containers: _____
 **Preservation: _____
 -Cont Code: _____

Client: _____
 Comments: _____

FROZEN AT:
 02-18-09 14:53 OUT

Turnaround **
 5 Day
 10-Day
 Other _____
 RUSH *

Detection Limit Requirements
 Regulations? _____
 Data Enhancement Project/RCP? Y N

Matrix Code:
 GW = groundwater
 WW = wastewater
 DW = drinking water
 A = air
 S = soil/solid
 SL = sludge
 O = other

* Require lab approval
 *24-Hr *48-Hr
 *72-Hr *4-Day

Special Requirements or DLs: _____

**Preservation Codes:
 I = Iced X = Na hydroxide
 H = HCL T = Na thiosulfate
 M = Methanol
 N = Nitric Acid
 S = Sulfuric Acid
 B = Sodium bisulfate
 O = Other

TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY CLIENT.

AHHA, NELAC & WBEVD certified



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CHAIN OF CUSTODY RECORD

39 SPRUCE ST, 2ND FLOOR
 EAST LONGMEADOW, MA 01028

Page 2 of 4

Company Name: PERCOM
 Address: ROCKY HILL
SOUTHFIELD BOULEVARD
WILMINGTON CONNECTICUT
06097

Attention: ROCKY HILL
SOUTHFIELD BOULEVARD

Project Location: WILMINGTON CONNECTICUT

Sampled By: SPENCER A. SANCHEZ

Proposal Provided? (For Billing purposes) yes no
 State Form Required? yes no

Client PO # 800 21035800
 Project # 10073489
 DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT
 Email: SPENCER.A.SANCHEZ@PERCOM.COM
 Format: EXCEL PDF GIS KEY
 OTHER

Field ID	Sample Description	Lab #	Start Date/Time	Stop Date/Time	Comp- osite	Grab	Matrix Code Code
	ME-SS-02	04R					
	ME-SS-03						
	ME-SS-04						
	ME-SS-06						
	ME-SR-07						

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Code: GW = groundwater; WW = wastewater; DW = drinking water; A = air; S = soil/solid; SL = sludge; O = other

Preservation Codes: I = Iced; H = HCL; M = Methanol; N = Nitric Acid; S = Sulfuric Acid; B = Sodium bisulfate; X = Na hydroxide; T = Na thiosulfate; O = Other

Received by: (signature) [Signature] Date/Time: 2-18-09 9 AM
 Received by: (signature) [Signature] Date/Time: 2-18-09 9 AM
 Received by: (signature) [Signature] Date/Time: 2-18-09 2 PM
 Received by: (signature) [Signature] Date/Time: 2-18-09 11:45 AM

Turnaround **
 5-Day
 10-Day
 Other
 RUSH *
 *24-Hr *48-Hr
 *72-Hr *4-Day
 *Require lab approval

Detection Limit Requirements
 Regulations? YES
 Data Enhancement Project/RCP? Y N
 Special Requirements ROK'S

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

Client: PERCOM
 Comments: DIAGNOSIS / ENCORE FROZEN AT: 02-18-09 14:53 OUT



Phone: 413-525-2332
 Fax: 413-525-6405
 Email: info@contestlabs.com
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CHAIN OF CUSTODY RECORD

39 SPRUCE ST, 2ND FLOOR
 EAST LONGMEADOW, MA 01028

Company Name: ACCUM
 Address: ADAM HILL
90/5B

Telephone: 781 263 5800
 Project # 00073189
 Client PO #

Attention: WILSON/ACCORD/H
 Project Location: 81/DS
 Sampled By: 81/DS

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT
 Fax #:
 Email:
 Format: EXCEL PDF GIS KEY
 OTHER

Proposal Provided? (For Billing purposes)
 Yes 11/18 proposal date Yes No

Field ID	Sample Description	Lab #	Date Sampled	Start Date/Time	Stop Date/Time	Comp- osite	Grab	*Matrix Code	Conc. Code	ANALYSIS REQUESTED	# of containers
	ME-SS-DVP	04568	2/11/09	9:55	11:00	S	S	S		VOC, PAHs, Pb, Copper ETPH 15 Metals	
	ME-SS-DVP	04569			10:25	S	S	S			
	ME-SS-09	04576			10:25	S	S	S			
	ME-SS-09	04571			10:25	S	S	S			
	Trip Blank 021709	04571									

Laboratory Comments: DIALS/ENCORE FROZEN AT:
02-18-09 14:53 OUT
LA

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Regulation(s) (signature) [Signature] Date/Time: 2/18/09 9:55
 Date/Time: 2/18/09 9:55
 Received by (signature) [Signature] Date/Time: 2/18/09 14:45

Turnaround **
 24-Hr 10-Day Other
 *24-Hr *48-Hr *72-Hr *4-Day
 Require lab approval

Detection Limit Requirements
 Regulations? MS/APP
 Data Enhancement Project/RCP? N
 Special Requirements of PDL's: MS/APP

*Matrix Code:
 GW = groundwater
 WW = wastewater
 DW = drinking water
 A = air
 S = soil/solid
 SL = sludge
 O = other

**Preservation Codes:
 I = Iced
 H = HCL
 M = Methanol
 N = Nitric Acid
 S = Sulfuric Acid
 B = Sodium bisulfate
 O = Other
 X = Na hydroxide
 T = Na thiosulfate

Client Comments:
 Cont. Code:
 A = amber glass
 G = glass
 P = plastic
 ST = sterile
 V = vial
 S = submerge
 T = teler bag
 O = other

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY CLIENT.
 AIHA, NELAP & WBE/C certified

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39 Spruce St.
East Longmeadow, MA.
01028
P: 413-525-2332
F: 413-525-6405

Sample Receipt Checklist

CLIENT NAME: Aecom RECEIVED BY: KO DATE: 2/18/09

- 1) Was the chain(s) of custody relinquished and signed? Yes No
- 2) Does the chain agree with the samples?
If not, explain: Yes No
- 3) Are all the samples in good condition?
If not, explain: Yes No

4) How were the samples received:
On Ice Direct from Sampling Ambient In Cooler(s)
Were the samples received in Temperature Compliance of (2-6°C)? Yes No
Temperature °C by Temp blank 4°C Temperature °C by Temp gun _____

- 5) Are there Dissolved samples for the lab to filter? Yes No
Who was notified _____ Date _____ Time _____
- 6) Are there any samples "On Hold"? Yes No Stored where:
- 7) Are there any RUSH or SHORT HOLDING TIME samples? Yes No
Who was notified _____ Date _____ Time _____

8) Location where samples are stored: 19A

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____

Containers sent in to Con-Test

	# of containers			# of containers
1 Liter Amber			8 oz clear jar	21
500 mL Amber			4 oz clear jar	4
250 mL Amber (8oz amber)			2 oz clear jar	
1 Liter Plastic			Other glass jar	
500 mL Plastic			Plastic Bag / Ziploc	
250 mL plastic			Air Cassette	
40 mL Vial - type listed below	21		Brass Sleeves	
Colisure / bacteria bottle			Tubes	
Dissolved Oxygen bottle			Summa Cans	
Flashpoint bottle			Regulators	
Encore			Other	
DI VIALS / ENCORE FROZEN AT:				

Laboratory Comments:

02-18-09 14:55 001

40 mL vials: # HCl _____ # Methanol 7
Bisulfate _____ # DI Water 14 Time and Date Frozen: _____
Thiosulfate _____ Unpreserved _____

Do all samples have the proper pH: Yes No N/A







39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 3/3/2009

AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
 ROCKY HILL, CT 06067
 ATTN: S. PERHALAJ BONDOS

CONTRACT NUMBER:
 PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-23411
 JOB NUMBER: 60073489

PROJECT LOCATION: FACTORY H MERIDEN

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos.
EB 021909	09B04971	WATER OTHE	Not Specified	6020 h2o 14rcp	
EB 021909	09B04971	WATER OTHE	Not Specified	8260 water	
EB 021909	09B04971	WATER OTHE	Not Specified	cyanide-total	
EB 021909	09B04971	WATER OTHE	Not Specified	etph water	
EB 021909	09B04971	WATER OTHE	Not Specified	hg (mg/l) wet	
EB 021909	09B04971	WATER OTHE	Not Specified	pah - lo h2o all	
ME-MW-02 13-14FT	09B04963	SOIL	Not Specified	8260 dry weight	
ME-MW-02 13-14FT	09B04963	SOIL	Not Specified	cyanide-tot sldg	
ME-MW-02 13-14FT	09B04963	SOIL	Not Specified	etph dry weight	
ME-MW-02 13-14FT	09B04963	SOIL	Not Specified	metals-8 slg icp	
ME-MW-02 13-14FT	09B04963	SOIL	Not Specified	pah - sludge	
ME-MW-02 13-14FT	09B04963	SOIL	Not Specified	solids (percent)	
ME-MW-02 4.5-5FT	09B04962	SOIL	Not Specified	8260 dry weight	
ME-MW-02 4.5-5FT	09B04962	SOIL	Not Specified	cyanide-tot sldg	
ME-MW-02 4.5-5FT	09B04962	SOIL	Not Specified	etph dry weight	
ME-MW-02 4.5-5FT	09B04962	SOIL	Not Specified	metals(15pp)slcp	
ME-MW-02 4.5-5FT	09B04962	SOIL	Not Specified	pah - sludge	
ME-MW-02 4.5-5FT	09B04962	SOIL	Not Specified	solids (percent)	
ME-SB-01 0.5-1.5FT	09B04958	SOIL	Not Specified	8260 dry weight	
ME-SB-01 0.5-1.5FT	09B04958	SOIL	Not Specified	cyanide-tot sldg	
ME-SB-01 0.5-1.5FT	09B04958	SOIL	Not Specified	etph dry weight	
ME-SB-01 0.5-1.5FT	09B04958	SOIL	Not Specified	metals-8 slg icp	
ME-SB-01 0.5-1.5FT	09B04958	SOIL	Not Specified	pah - sludge	
ME-SB-01 0.5-1.5FT	09B04958	SOIL	Not Specified	solids (percent)	
ME-SB-01 8-9FT	09B04959	SOIL	Not Specified	8260 dry weight	
ME-SB-01 8-9FT	09B04959	SOIL	Not Specified	cyanide-tot sldg	
ME-SB-01 8-9FT	09B04959	SOIL	Not Specified	etph dry weight	
ME-SB-01 8-9FT	09B04959	SOIL	Not Specified	metals(15pp)slcp	
ME-SB-01 8-9FT	09B04959	SOIL	Not Specified	pah - sludge	
ME-SB-01 8-9FT	09B04959	SOIL	Not Specified	solids (percent)	
ME-SB-02 1-2FT	09B04960	SOIL	Not Specified	8260 dry weight	
ME-SB-02 1-2FT	09B04960	SOIL	Not Specified	cyanide-tot sldg	
ME-SB-02 1-2FT	09B04960	SOIL	Not Specified	etph dry weight	
ME-SB-02 1-2FT	09B04960	SOIL	Not Specified	metals-8 slg icp	
ME-SB-02 1-2FT	09B04960	SOIL	Not Specified	pah - sludge	
ME-SB-02 1-2FT	09B04960	SOIL	Not Specified	solids (percent)	
ME-SB-02 8-9FT	09B04961	SOIL	Not Specified	8260 dry weight	
ME-SB-02 8-9FT	09B04961	SOIL	Not Specified	cyanide-tot sldg	
ME-SB-02 8-9FT	09B04961	SOIL	Not Specified	etph dry weight	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 3/3/2009

AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
 ROCKY HILL, CT 06067
 ATTN: S. PERHALA/J BONDOS

CONTRACT NUMBER:
 PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-23411

JOB NUMBER: 60073489

ME-SB-02 8-9FT	09B04961	SOIL	Not Specified	metals-8 slg icp
ME-SB-02 8-9FT	09B04961	SOIL	Not Specified	pah - sludge
ME-SB-02 8-9FT	09B04961	SOIL	Not Specified	solids (percent)
ME-SB-03 1-2FT	09B04964	SOIL	Not Specified	8260 dry weight
ME-SB-03 1-2FT	09B04964	SOIL	Not Specified	cyanide-tot slgd
ME-SB-03 1-2FT	09B04964	SOIL	Not Specified	etph dry weight
ME-SB-03 1-2FT	09B04964	SOIL	Not Specified	metals-8 slg icp
ME-SB-03 1-2FT	09B04964	SOIL	Not Specified	pah - sludge
ME-SB-03 1-2FT	09B04964	SOIL	Not Specified	solids (percent)
ME-SB-03 7.5-8.5FT	09B04965	SOIL	Not Specified	8260 dry weight
ME-SB-03 7.5-8.5FT	09B04965	SOIL	Not Specified	cyanide-tot slgd
ME-SB-03 7.5-8.5FT	09B04965	SOIL	Not Specified	etph dry weight
ME-SB-03 7.5-8.5FT	09B04965	SOIL	Not Specified	metals-8 slg icp
ME-SB-03 7.5-8.5FT	09B04965	SOIL	Not Specified	pah - sludge
ME-SB-03 7.5-8.5FT	09B04965	SOIL	Not Specified	solids (percent)
ME-SB-03 7.5-8.5FT	09B04965	SOIL	Not Specified	8260 dry weight
ME-SB-04 0-1FT	09B04966	SOIL	Not Specified	cyanide-tot slgd
ME-SB-04 0-1FT	09B04966	SOIL	Not Specified	etph dry weight
ME-SB-04 0-1FT	09B04966	SOIL	Not Specified	metals-8 slg icp
ME-SB-04 0-1FT	09B04966	SOIL	Not Specified	pah - sludge
ME-SB-04 0-1FT	09B04966	SOIL	Not Specified	solids (percent)
ME-SB-04 8-9FT	09B04967	SOIL	Not Specified	8260 dry weight
ME-SB-04 8-9FT	09B04967	SOIL	Not Specified	cyanide-tot slgd
ME-SB-04 8-9FT	09B04967	SOIL	Not Specified	etph dry weight
ME-SB-04 8-9FT	09B04967	SOIL	Not Specified	metals-8 slg icp
ME-SB-04 8-9FT	09B04967	SOIL	Not Specified	pah - sludge
ME-SB-04 8-9FT	09B04967	SOIL	Not Specified	solids (percent)
ME-SB-05 0.5-1.5FT	09B04968	SOIL	Not Specified	8260 dry weight
ME-SB-05 0.5-1.5FT	09B04968	SOIL	Not Specified	cyanide-tot slgd
ME-SB-05 0.5-1.5FT	09B04968	SOIL	Not Specified	etph dry weight
ME-SB-05 0.5-1.5FT	09B04968	SOIL	Not Specified	metals(15pp)icp
ME-SB-05 0.5-1.5FT	09B04968	SOIL	Not Specified	pah - sludge
ME-SB-05 0.5-1.5FT	09B04968	SOIL	Not Specified	solids (percent)
ME-SB-05 5.5-6FT	09B04969	SOIL	Not Specified	8260 dry weight
ME-SB-05 5.5-6FT	09B04969	SOIL	Not Specified	cyanide-tot slgd
ME-SB-05 5.5-6FT	09B04969	SOIL	Not Specified	etph dry weight
ME-SB-05 5.5-6FT	09B04969	SOIL	Not Specified	metals-8 slg icp
ME-SB-05 5.5-6FT	09B04969	SOIL	Not Specified	pah - sludge
ME-SB-05 5.5-6FT	09B04969	SOIL	Not Specified	solids (percent)
TB 021909	09B04970	LIQUIDS	Not Specified	8260 solid



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 3/3/2009

AECOM - ROCKY HILL, CT
500 ENTERPRISE DRIVE, SUITE 1A
ROCKY HILL, CT 06067
ATTN: S. PERHALA/J BONDOS

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-23411
JOB NUMBER: 60073489

Comments :

LIMS BATCH NO. : LIMIT-23411

CASE NARRATIVE SUMMARY

Recommended sample holding times were not exceeded for all samples analyzed by method(s) listed unless listed below: None Exceeded

All samples for the method(s) listed were received preserved properly in the proper containers at 4 degrees C +/- 2 degrees as specified on the chain-of-custody form unless listed below:
All properly preserved

In method 8260 water, the initial and/or continuing calibration did not meet method specifications. For sample 09B04971, 1,4-Dioxane was calibrated with a relative response factor <0.05.

In method 8260 water, the initial calibration did not meet method specifications. For sample 09B04971, Bromomethane was calibrated by linear regression with a correlation coefficient <0.99. Reduced accuracy and precision are anticipated for any reported result for this compound.

In method 8260 water, any reported result for tert-Butyl Alcohol, trans-1,4-Dichloro-2-butene, Naphthalene, 1,2,4-Trichlorobenzene, Hexachlorobutadiene, 1,2,3-Trichlorobenzene, and 2-Hexanone in sample 09B04971 is estimated and likely to be biased on the low side based on continuing calibration bias.

In method 8260 water, any reported result for Methyl Isobutyl Ketone, Naphthalene, Hexachlorobutadiene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 2-Hexanone, and trans-1,4-Dichloro-2-butene in sample 09B04971 is likely to be biased on the low side based on laboratory fortified blank (laboratory control sample) recovery bias.

In method 8260 soil and solid, the initial and/or continuing calibration did not meet method specifications. For samples 09B04958 - 970, Acetone, tert-Butyl Alcohol, 2-Butanone, Tetrahydrofuran, and 1,4-Dioxane were calibrated with a relative response factor <0.05.

In method 8260 soil for sample 09B04959, the matrix spike recovery for tert-Butyl Alcohol is biased on the low side. Analysis is in control based on laboratory control sample. Possibility of sample matrix effects that lead to low bias for reported results cannot be eliminated.

In method 6020, the Interference Check Standard AB was outside of control limits for Cu. Any reported result for this element may be biased low.

In method 6010, the low level calibration check is outside control limits for Zn. Reported results for this element at or near the detection limit may be bias on the high side.

There are no other issues which affect the usability of the data.

DETAILED CASE NARRATIVE

METHOD SW846 7470/7471A - ADDITIONAL COMMENTS

Sample duplicate and matrix spike performed on SOIL sample 09B04963. Sample duplicate not reported due to non-detect sample and duplicate results.
Sample 09B04969 was diluted 1:5 to obtain a result within the linear calibration range.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 3/3/2009

AECOM - ROCKY HILL, CT
500 ENTERPRISE DRIVE, SUITE 1A
ROCKY HILL, CT 06067
ATTN: S. PERHALAJ BONDOS

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-23411

JOB NUMBER: 60073489

CT ETPH METHOD - ADDITIONAL COMMENTS

In method CT ETPH, samples 09B04958 (x20) and 09B04962 (x5) were diluted because undiluted results were over the verified linear calibration range.

METHOD SW846 9014 - ADDITIONAL COMMENTS

A matrix spike and a matrix spike duplicate were performed on samples 09B04964 and 09B04971.

METHOD SW846 8260 LOW LEVEL WATER - ADDITIONAL COMMENTS

In method 8260 water for Bromomethane in sample 09B04971, data is not affected by continuing calibration non-conformance since bias is on the high side and all results are "not detected".

The LCS recoveries for required CT reasonable confidence protocol (RCP) 8260 compounds were all within limits specified by the method except for "difficult analytes" where control limits somewhere between 40-160% are used and/or unless otherwise listed in this narrative.

Difficult analytes: MIBK, MEK, Tetrachloroethylene, Tert-butyl Alcohol, Acetone, 1,4-Dioxane, Vinyl Chloride, Chloromethane, Bromomethane, Naphthalene, 2,2-Dichloropropane, Dichlorodifluoromethane, and 2-Hexanone

Compounds outside of control limits:

In method 8260 water, data is not affected by laboratory fortified blank (laboratory control sample) recovery outlier(s) for Methylene Chloride in sample 09B04971 since all results are "not detected" and recovery bias is on the high side.

All reporting limits specified on the chain-of-custody were met except for Acrylonitrile, where the most protective criteria are not met since the laboratory cannot achieve the required RCP calibration criteria at these levels, unless listed below:

All other reporting limits were met.

METHOD SW846 8260 SOIL - ADDITIONAL COMMENTS

In method 8260 soil and solid for Bromomethane and Bromoform in samples 09B04958 - 970, data is not affected by continuing calibration non-conformance since bias is on the high side and all results are "not detected".

In method 8260 soil for sample 09B04962, the internal standard recovery for 1,4-Dichlorobenzene-d4 is outside of control limits and biased on the low side. Data is not affected since all results are "not detected" and results bias would be on the high side.

The LCS recoveries for required CT reasonable confidence protocol (RCP) 8260 compounds were all within limits specified by the method except for "difficult analytes" where control limits somewhere between 40-160% are used and/or unless otherwise listed in this narrative:

Difficult analytes: MIBK, MEK, Tert-butyl Alcohol, Acetone, 1,4-Dioxane, Vinyl Chloride, Chloromethane, Dichlorodifluoromethane, 2-Hexanone, Naphthalene, and Bromomethane.

Additional difficult analytes in water only: 2,2-Dichloropropane and Tetrachloroethylene

Additional difficult analytes in soil only: Acrylonitrile, 1,2,3-Trichloropropane,

Methylene Chloride, n-Butylbenzene, and Tert-butylbenzene.

Compounds outside of control limits:

None outside of control limits

All 8260 MS and MSD recoveries, sample duplicate RPD's, and MSD RPD's, if requested in this batch, were within control limits specified by the method unless listed below:



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REPORT DATE 3/3/2009

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ROCKY HILL, CT 06067
ATTN: S. PERHALA/J BONDOS

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-23411
JOB NUMBER: 60073489

In method 8260 soil for sample 09B04959, data is not affected by matrix spike recovery outlier(s) for Acetone, 1,2-Dichloroethane, 1,1,2-Trichloro-1,2,2-Trifluoroethane, Trichlorofluoromethane, Bromoform, Isopropylbenzene, and 1,2,4-Trimethylbenzene since all results are "not detected" and recovery bias is on the high side.

METHOD SW846 6020 - ADDITIONAL COMMENTS

Sample duplicate and matrix spike performed on sample 09B04971. Sample duplicate is not reported for all elements due to non detect sample and duplicate results.

METHOD SW846 6010 - ADDITIONAL COMMENTS

For samples 09B04959, 09B04962 and 09B04968, all elements were requested and reported. For all other samples only RCRA8 elements were requested and reported. Sample duplicate and matrix spike performed on sample 09B04968. Sample duplicate is not reported for Sb, Se and Tl due to non detect sample and duplicate results. Method blank contamination noted above the reporting limit for Zn. All sample results are >10x the level of contamination, no corrective action is necessary.

METHOD SW846 8270 WATER - ADDITIONAL COMMENTS

All reporting limits specified on the chain-of-custody were met, except for Pyridine for the most protective criteria since the laboratory cannot achieve the required RCP calibration criteria at these levels, unless specified below: All other requested reporting limits are met.

In method 8270, only PAH compounds were requested and reported.

METHOD SW846 8270 SOLID - ADDITIONAL COMMENTS

If dilutions were performed only one dilution within the linear calibrated region of the curve is reported. All 8270 samples were analyzed undiluted unless specified below:

Sample	Dilution(s)
09B04958	undilute and 5x
09B04965	undilute and 5x

In method 8270, samples 09B04958 and 09B04965 were diluted because undiluted results were over the verified linear calibration range.

All reporting limits specified on the chain-of-custody were met, except for Pyridine for the most protective criteria since the laboratory cannot achieve the required RCP calibration criteria at these levels, unless specified below: All other requested reporting limits are met.

In method 8270 solid, only PAH compounds were requested and reported.



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REPORT DATE 3/3/2009

AECOM - ROCKY HILL, CT
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ROCKY HILL, CT 06067
ATTN: S. PERHALA/J BONDOS

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMS-23411

JOB NUMBER: 80073489

The results of analyses performed are based on samples as submitted to the laboratory and relate only to the items collected and tested.

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations. AIHA accreditations only apply to NIOSH methods and Environmental Lead Analyses.

AIHA 100033	AIHA ELLAP (LEAD) 100033	NORTH CAROLINA CERT. # 652
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	FLORIDA DOH E871027 (AIR)
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Edward Denson 3/3/09

SIGNATURE

DATE

Tod Kopyscinski
Air Laboratory Manager

Michael Erickson
Assistant Laboratory Director

Edward Denson
Technical Director

Daren Damboragian
Organics Department Supervisor

* See end of data tabulation for notes and comments pertaining to this sample



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ROCKY HILL, CT 06067

3/3/2009
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Purchase Order No.:

Project Location: FACTORY H MERIDEN
Date Received: 2/20/2009
Field Sample #: EB 021909

LIMS-BAT #: LIMIT-23411
Job Number: 60073489

Sample ID: 09B04971 ‡Sampled: 2/19/2009
Not Specified

Sample Matrix: WATER OTHER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Antimony	ug/L	ND	02/24/09	KMT	5.00			
Arsenic	ug/L	ND	02/24/09	KMT	2.00			
Barium	ug/L	ND	02/24/09	KMT	250			
Beryllium	ug/L	ND	02/24/09	KMT	2.00			
Cadmium	ug/L	ND	02/24/09	KMT	2.50			
Chromium	ug/L	ND	02/24/09	KMT	50.0			
Copper	ug/L	ND	02/24/09	KMT	25.0			
Lead	ug/L	ND	02/24/09	KMT	5.00			
Nickel	ug/L	ND	02/24/09	KMT	25.0			
Selenium	ug/L	ND	02/24/09	KMT	25.0			
Silver	ug/L	ND	02/24/09	KMT	2.50			
Thallium	ug/L	ND	02/24/09	KMT	1.00			
Vanadium	ug/L	ND	02/24/09	KMT	25.0			
Zinc	ug/L	ND	02/24/09	KMT	100			

Analytical Method:
SW846 6020
SAMPLES ARE ANALYZED BY ICP/MS

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: ME-MW-02 13-14FT

LIMS-BAT #: LIMIT-23411
 Job Number: 60073489

Sample ID: 09B04963 ‡Sampled: 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
1,4-Dichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
trans-1,4-Dichloro-2-Butene	mg/kg dry wt	ND	02/23/09	MFF	0.005			
Dichlorodifluoromethane	mg/kg dry wt	ND	02/23/09	MFF	0.021			
1,1-Dichloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,2-Dichloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,1-Dichloroethylene	mg/kg dry wt	ND	02/23/09	MFF	0.005			
cis-1,2-Dichloroethylene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
trans-1,2-Dichloroethylene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,2-Dichloropropane	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,3-Dichloropropane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
2,2-Dichloropropane	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,1-Dichloropropene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
cis-1,3-Dichloropropene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
trans-1,3-Dichloropropene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Diethyl Ether	mg/kg dry wt	ND	02/23/09	MFF	0.021			
Diisopropyl Ether	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,4-Dioxane	mg/kg dry wt	ND	02/23/09	MFF	0.11			
Ethyl Benzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
Hexachlorobutadiene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
2-Hexanone	mg/kg dry wt	ND	02/23/09	MFF	0.021			
Isopropylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
p-Isopropyltoluene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
MTBE	mg/kg dry wt	ND	02/23/09	MFF	0.005			
Methylene Chloride	mg/kg dry wt	ND	02/23/09	MFF	0.021			
MIBK	mg/kg dry wt	ND	02/23/09	MFF	0.021			
Naphthalene	mg/kg dry wt	ND	02/23/09	MFF	0.005			
n-Propylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
Styrene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,1,1,2-Tetrachloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.003			

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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: ME-MW-02 4.5-5FT

LIMS-BAT #: LIMIT-23411
 Job Number: 60073489

Sample ID : 09B04962 ‡Sampled : 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
1,4-Dichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
trans-1,4-Dichloro-2-Butene	mg/kg dry wt	ND	02/23/09	MFF	0.006			
Dichlorodifluoromethane	mg/kg dry wt	ND	02/23/09	MFF	0.030			
1,1-Dichloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,2-Dichloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,1-Dichloroethylene	mg/kg dry wt	ND	02/23/09	MFF	0.006			
cis-1,2-Dichloroethylene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
trans-1,2-Dichloroethylene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,2-Dichloropropane	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,3-Dichloropropane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
2,2-Dichloropropane	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,1-Dichloropropene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
cis-1,3-Dichloropropene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
trans-1,3-Dichloropropene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Diethyl Ether	mg/kg dry wt	ND	02/23/09	MFF	0.030			
Diisopropyl Ether	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,4-Dioxane	mg/kg dry wt	ND	02/23/09	MFF	0.15			
Ethyl Benzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
Hexachlorobutadiene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
2-Hexanone	mg/kg dry wt	ND	02/23/09	MFF	0.030			
Isopropylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
p-Isopropyltoluene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
MTBE	mg/kg dry wt	ND	02/23/09	MFF	0.006			
Methylene Chloride	mg/kg dry wt	ND	02/23/09	MFF	0.030			
MIBK	mg/kg dry wt	ND	02/23/09	MFF	0.030			
Naphthalene	mg/kg dry wt	ND	02/23/09	MFF	0.006			
n-Propylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
Styrene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,1,1,2-Tetrachloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.003			

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3/3/2009
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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: ME-MW-02 4.5-5FT

LIMS-BAT #: LIMIT-23411
 Job Number: 60073489

Sample ID: 09B04962 ‡Sampled: 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
1,1,2,2-Tetrachloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Tetrachloroethylene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
Tetrahydrofuran	mg/kg dry wt	ND	02/23/09	MFF	0.015			
Toluene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,2,3-Trichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,3,5-Trichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,1,1-Trichloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,1,2-Trichloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.003			
Trichloroethylene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
Trichlorofluoromethane	mg/kg dry wt	ND	02/23/09	MFF	0.015			
1,2,3-Trichloropropane	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg dry wt	ND	02/23/09	MFF	0.015			
1,2,4-Trimethylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,3,5-Trimethylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
Vinyl Chloride	mg/kg dry wt	ND	02/23/09	MFF	0.015			
m + p Xylene	mg/kg dry wt	ND	02/23/09	MFF	0.006			
o-Xylene	mg/kg dry wt	ND	02/23/09	MFF	0.003			

Analytical Method:

SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit

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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: ME-SB-01 0.5-1.5FT

LIMS-BAT #: LIMT-23411
 Job Number: 60073489

Sample ID : 09B04958 ‡Sampled : 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	mg/kg dry wt	ND	02/23/09	MFF	0.092			
Acrylonitrile	mg/kg dry wt	ND	02/23/09	MFF	0.006			
tert-Amylmethyl Ether	mg/kg dry wt	ND	02/23/09	MFF	0.001			
Benzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Bromobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Bromochloromethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Bromodichloromethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Bromoform	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Bromomethane	mg/kg dry wt	ND	02/23/09	MFF	0.010			
2-Butanone (MEK)	mg/kg dry wt	ND	02/23/09	MFF	0.037			
tert-Butyl Alcohol	mg/kg dry wt	ND	02/23/09	MFF	0.037			
n-Butylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
sec-Butylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
tert-Butylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
tert-Butylethyl Ether	mg/kg dry wt	ND	02/23/09	MFF	0.001			
Carbon Disulfide	mg/kg dry wt	ND	02/23/09	MFF	0.006			
Carbon Tetrachloride	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Chlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Chlorodibromomethane	mg/kg dry wt	ND	02/23/09	MFF	0.001			
Chloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.019			
Chloroform	mg/kg dry wt	ND	02/23/09	MFF	0.004			
Chloromethane	mg/kg dry wt	ND	02/23/09	MFF	0.010			
2-Chlorotoluene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
4-Chlorotoluene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,2-Dibromo-3-Chloropropane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,2-Dibromoethane	mg/kg dry wt	ND	02/23/09	MFF	0.001			
Dibromomethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,2-Dichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,3-Dichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			

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‡ = See attached chain-of-custody record for time sampled

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 ROCKY HILL, CT 06067

3/3/2009
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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: ME-SB-01 0.5-1.5FT

LIMS-BAT #: LIMIT-23411
 Job Number: 60073489

Sample ID : 09B04958 ‡Sampled : 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
1,1,2,2-Tetrachloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.001			
Tetrachloroethylene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Tetrahydrofuran	mg/kg dry wt	ND	02/23/09	MFF	0.010			
Toluene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,2,3-Trichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,3,5-Trichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,1,1-Trichloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,1,2-Trichloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Trichloroethylene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Trichlorofluoromethane	mg/kg dry wt	ND	02/23/09	MFF	0.010			
1,2,3-Trichloropropane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg dry wt	ND	02/23/09	MFF	0.010			
1,2,4-Trimethylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,3,5-Trimethylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Vinyl Chloride	mg/kg dry wt	ND	02/23/09	MFF	0.010			
m + p Xylene	mg/kg dry wt	ND	02/23/09	MFF	0.004			
o-Xylene	mg/kg dry wt	ND	02/23/09	MFF	0.002			

Analytical Method:
 SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

S. PERHALAJ BONDOS
 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
 ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: ME-SB-01 8-9FT

LIMS-BAT #: LIMIT-23411
 Job Number: 60073489

Sample ID : 09B04959 ‡Sampled : 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	mg/kg dry wt	ND	02/23/09	MFF	0.13			
Acrylonitrile	mg/kg dry wt	ND	02/23/09	MFF	0.008			
tert-Amylmethyl Ether	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Benzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
Bromobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
Bromochloromethane	mg/kg dry wt	ND	02/23/09	MFF	0.003			
Bromodichloromethane	mg/kg dry wt	ND	02/23/09	MFF	0.003			
Bromoform	mg/kg dry wt	ND	02/23/09	MFF	0.003			
Bromomethane	mg/kg dry wt	ND	02/23/09	MFF	0.013			
2-Butanone (MEK)	mg/kg dry wt	ND	02/23/09	MFF	0.049			
tert-Butyl Alcohol	mg/kg dry wt	ND	02/23/09	MFF	0.049			
n-Butylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
sec-Butylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
tert-Butylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
tert-Butylethyl Ether	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Carbon Disulfide	mg/kg dry wt	ND	02/23/09	MFF	0.008			
Carbon Tetrachloride	mg/kg dry wt	ND	02/23/09	MFF	0.003			
Chlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
Chlorodibromomethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Chloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.025			
Chloroform	mg/kg dry wt	ND	02/23/09	MFF	0.005			
Chloromethane	mg/kg dry wt	ND	02/23/09	MFF	0.013			
2-Chlorotoluene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
4-Chlorotoluene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,2-Dibromo-3-Chloropropane	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,2-Dibromoethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Dibromomethane	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,2-Dichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,3-Dichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			

RL = Reporting Limit

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S. PERHALAJ BONDOS
 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
 ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: ME-SB-01 8-9FT

LIMS-BAT #: LIMT-23411
 Job Number: 60073489

Sample ID : 09B04959 ‡Sampled : 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
1,1,2,2-Tetrachloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Tetrachloroethylene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
Tetrahydrofuran	mg/kg dry wt	ND	02/23/09	MFF	0.013			
Toluene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,2,3-Trichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,3,5-Trichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,1,1-Trichloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,1,2-Trichloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.003			
Trichloroethylene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
Trichlorofluoromethane	mg/kg dry wt	ND	02/23/09	MFF	0.013			
1,2,3-Trichloropropane	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg dry wt	ND	02/23/09	MFF	0.013			
1,2,4-Trimethylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,3,5-Trimethylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
Vinyl Chloride	mg/kg dry wt	ND	02/23/09	MFF	0.013			
m + p Xylene	mg/kg dry wt	ND	02/23/09	MFF	0.005			
o-Xylene	mg/kg dry wt	ND	02/23/09	MFF	0.003			

Analytical Method:

SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit

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39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

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 AECOM - ROCKY HILL, CT
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 ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: ME-SB-02 1-2FT

LIMS-BAT #: LIMIT-23411
 Job Number: 60073489

Sample ID: 09B04960 ‡Sampled: 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	mg/kg dry wt	ND	02/23/09	MFF	0.089			
Acrylonitrile	mg/kg dry wt	ND	02/23/09	MFF	0.006			
tert-Amylmethyl Ether	mg/kg dry wt	ND	02/23/09	MFF	0.001			
Benzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Bromobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Bromochloromethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Bromodichloromethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Bromoform	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Bromomethane	mg/kg dry wt	ND	02/23/09	MFF	0.009			
2-Butanone (MEK)	mg/kg dry wt	ND	02/23/09	MFF	0.036			
tert-Butyl Alcohol	mg/kg dry wt	ND	02/23/09	MFF	0.036			
n-Butylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
sec-Butylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
tert-Butylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
tert-Butylethyl Ether	mg/kg dry wt	ND	02/23/09	MFF	0.001			
Carbon Disulfide	mg/kg dry wt	ND	02/23/09	MFF	0.006			
Carbon Tetrachloride	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Chlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Chlorodibromomethane	mg/kg dry wt	ND	02/23/09	MFF	0.001			
Chloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.018			
Chloroform	mg/kg dry wt	ND	02/23/09	MFF	0.004			
Chloromethane	mg/kg dry wt	ND	02/23/09	MFF	0.009			
2-Chlorotoluene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
4-Chlorotoluene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,2-Dibromo-3-Chloropropane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,2-Dibromoethane	mg/kg dry wt	ND	02/23/09	MFF	0.001			
Dibromomethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,2-Dichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,3-Dichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			

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NM = Not Measured

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 ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: ME-SB-02 1-2FT

LIMS-BAT #: LIMIT-23411
 Job Number: 60073489

Sample ID : 09B04960 ‡Sampled : 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
1,4-Dichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
trans-1,4-Dichloro-2-Butene	mg/kg dry wt	ND	02/23/09	MFF	0.004			
Dichlorodifluoromethane	mg/kg dry wt	ND	02/23/09	MFF	0.018			
1,1-Dichloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,2-Dichloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,1-Dichloroethylene	mg/kg dry wt	ND	02/23/09	MFF	0.004			
cis-1,2-Dichloroethylene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
trans-1,2-Dichloroethylene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,2-Dichloropropane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,3-Dichloropropane	mg/kg dry wt	ND	02/23/09	MFF	0.001			
2,2-Dichloropropane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,1-Dichloropropene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
cis-1,3-Dichloropropene	mg/kg dry wt	ND	02/23/09	MFF	0.001			
trans-1,3-Dichloropropene	mg/kg dry wt	ND	02/23/09	MFF	0.001			
Diethyl Ether	mg/kg dry wt	ND	02/23/09	MFF	0.018			
Diisopropyl Ether	mg/kg dry wt	ND	02/23/09	MFF	0.001			
1,4-Dioxane	mg/kg dry wt	ND	02/23/09	MFF	0.089			
Ethyl Benzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Hexachlorobutadiene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
2-Hexanone	mg/kg dry wt	ND	02/23/09	MFF	0.018			
Isopropylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
p-Isopropyltoluene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
MTBE	mg/kg dry wt	ND	02/23/09	MFF	0.004			
Methylene Chloride	mg/kg dry wt	ND	02/23/09	MFF	0.018			
MIBK	mg/kg dry wt	ND	02/23/09	MFF	0.018			
Naphthalene	mg/kg dry wt	ND	02/23/09	MFF	0.004			
n-Propylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Styrene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,1,1,2-Tetrachloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			

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 ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: ME-SB-02 1-2FT

LIMS-BAT #: LIMT-23411
 Job Number: 60073489

Sample ID: 09B04960 ‡Sampled: 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
1,1,2,2-Tetrachloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.001			
Tetrachloroethylene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Tetrahydrofuran	mg/kg dry wt	ND	02/23/09	MFF	0.009			
Toluene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,2,3-Trichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,3,5-Trichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,1,1-Trichloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,1,2-Trichloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Trichloroethylene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Trichlorofluoromethane	mg/kg dry wt	ND	02/23/09	MFF	0.009			
1,2,3-Trichloropropane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg dry wt	ND	02/23/09	MFF	0.009			
1,2,4-Trimethylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,3,5-Trimethylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Vinyl Chloride	mg/kg dry wt	ND	02/23/09	MFF	0.009			
m + p Xylene	mg/kg dry wt	ND	02/23/09	MFF	0.004			
o-Xylene	mg/kg dry wt	ND	02/23/09	MFF	0.002			

Analytical Method:

SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

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 ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: ME-SB-02 8-9FT

LIMS-BAT #: LIMIT-23411
 Job Number: 60073489

Sample ID: 09B04961 ‡Sampled: 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	mg/kg dry wt	ND	02/23/09	MFF	0.077			
Acrylonitrile	mg/kg dry wt	ND	02/23/09	MFF	0.005			
tert-Amylmethyl Ether	mg/kg dry wt	ND	02/23/09	MFF	0.001			
Benzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Bromobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Bromochloromethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Bromodichloromethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Bromoform	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Bromomethane	mg/kg dry wt	ND	02/23/09	MFF	0.008			
2-Butanone (MEK)	mg/kg dry wt	ND	02/23/09	MFF	0.031			
tert-Butyl Alcohol	mg/kg dry wt	ND	02/23/09	MFF	0.031			
n-Butylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
sec-Butylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
tert-Butylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
tert-Butylethyl Ether	mg/kg dry wt	ND	02/23/09	MFF	0.001			
Carbon Disulfide	mg/kg dry wt	ND	02/23/09	MFF	0.005			
Carbon Tetrachloride	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Chlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Chlorodibromomethane	mg/kg dry wt	ND	02/23/09	MFF	0.001			
Chloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.016			
Chloroform	mg/kg dry wt	ND	02/23/09	MFF	0.004			
Chloromethane	mg/kg dry wt	ND	02/23/09	MFF	0.008			
2-Chlorotoluene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
4-Chlorotoluene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,2-Dibromo-3-Chloropropane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,2-Dibromoethane	mg/kg dry wt	ND	02/23/09	MFF	0.001			
Dibromomethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,2-Dichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,3-Dichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			

RL = Reporting Limit
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 NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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 ‡ = See attached chain-of-custody record for time sampled



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 ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: ME-SB-02 8-9FT

LIMS-BAT #: LIMT-23411
 Job Number: 60073489

Sample ID : 09B04961 ‡Sampled : 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
1,4-Dichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
trans-1,4-Dichloro-2-Butene	mg/kg dry wt	ND	02/23/09	MFF	0.004			
Dichlorodifluoromethane	mg/kg dry wt	ND	02/23/09	MFF	0.016			
1,1-Dichloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,2-Dichloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,1-Dichloroethylene	mg/kg dry wt	ND	02/23/09	MFF	0.004			
cis-1,2-Dichloroethylene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
trans-1,2-Dichloroethylene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,2-Dichloropropane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,3-Dichloropropane	mg/kg dry wt	ND	02/23/09	MFF	0.001			
2,2-Dichloropropane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,1-Dichloropropene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
cis-1,3-Dichloropropene	mg/kg dry wt	ND	02/23/09	MFF	0.001			
trans-1,3-Dichloropropene	mg/kg dry wt	ND	02/23/09	MFF	0.001			
Diethyl Ether	mg/kg dry wt	ND	02/23/09	MFF	0.016			
Diisopropyl Ether	mg/kg dry wt	ND	02/23/09	MFF	0.001			
1,4-Dioxane	mg/kg dry wt	ND	02/23/09	MFF	0.077			
Ethyl Benzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Hexachlorobutadiene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
2-Hexanone	mg/kg dry wt	ND	02/23/09	MFF	0.016			
Isopropylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
p-Isopropyltoluene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
MTBE	mg/kg dry wt	ND	02/23/09	MFF	0.004			
Methylene Chloride	mg/kg dry wt	ND	02/23/09	MFF	0.016			
MIBK	mg/kg dry wt	ND	02/23/09	MFF	0.016			
Naphthalene	mg/kg dry wt	ND	02/23/09	MFF	0.004			
n-Propylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Styrene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,1,1,2-Tetrachloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

S. PERHALA/J BONDOS
 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
 ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: ME-SB-03 1-2FT

LIMS-BAT #: LIMIT-23411
 Job Number: 60073489

Sample ID : 09B04964 ‡Sampled : 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
1,4-Dichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
trans-1,4-Dichloro-2-Butene	mg/kg dry wt	ND	02/23/09	MFF	0.004			
Dichlorodifluoromethane	mg/kg dry wt	ND	02/23/09	MFF	0.020			
1,1-Dichloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,2-Dichloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,1-Dichloroethylene	mg/kg dry wt	ND	02/23/09	MFF	0.004			
cis-1,2-Dichloroethylene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
trans-1,2-Dichloroethylene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,2-Dichloropropane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,3-Dichloropropane	mg/kg dry wt	ND	02/23/09	MFF	0.001			
2,2-Dichloropropane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,1-Dichloropropene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
cis-1,3-Dichloropropene	mg/kg dry wt	ND	02/23/09	MFF	0.001			
trans-1,3-Dichloropropene	mg/kg dry wt	ND	02/23/09	MFF	0.001			
Diethyl Ether	mg/kg dry wt	ND	02/23/09	MFF	0.020			
Diisopropyl Ether	mg/kg dry wt	ND	02/23/09	MFF	0.001			
1,4-Dioxane	mg/kg dry wt	ND	02/23/09	MFF	0.097			
Ethyl Benzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Hexachlorobutadiene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
2-Hexanone	mg/kg dry wt	ND	02/23/09	MFF	0.020			
Isopropylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
p-Isopropyltoluene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
MTBE	mg/kg dry wt	ND	02/23/09	MFF	0.004			
Methylene Chloride	mg/kg dry wt	ND	02/23/09	MFF	0.020			
MIBK	mg/kg dry wt	ND	02/23/09	MFF	0.020			
Naphthalene	mg/kg dry wt	ND	02/23/09	MFF	0.004			
n-Propylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Styrene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,1,1,2-Tetrachloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			

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S. PERHALA/J BONDOS
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 500 ENTERPRISE DRIVE, SUITE 1A
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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: ME-SB-03 1-2FT

LIMS-BAT #: LIMT-23411
 Job Number: 60073489

Sample ID: 09B04964 ‡Sampled: 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
1,1,2,2-Tetrachloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.001			
Tetrachloroethylene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Tetrahydrofuran	mg/kg dry wt	ND	02/23/09	MFF	0.010			
Toluene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,2,3-Trichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,3,5-Trichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,1,1-Trichloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,1,2-Trichloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Trichloroethylene	mg/kg dry wt	0.002	02/23/09	MFF	0.002			
Trichlorofluoromethane	mg/kg dry wt	ND	02/23/09	MFF	0.010			
1,2,3-Trichloropropane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg dry wt	ND	02/23/09	MFF	0.010			
1,2,4-Trimethylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,3,5-Trimethylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Vinyl Chloride	mg/kg dry wt	ND	02/23/09	MFF	0.010			
m + p Xylene	mg/kg dry wt	ND	02/23/09	MFF	0.004			
o-Xylene	mg/kg dry wt	ND	02/23/09	MFF	0.002			

Analytical Method:
 SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit

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NM = Not Measured

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‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

S. PERHALAJ BONDOS
 AECOM - ROCKY HILL, CT
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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: ME-SB-03 7.5-8.5FT

LIMS-BAT #: LIMIT-23411
 Job Number: 60073489

Sample ID: 09B04965 ‡Sampled: 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	mg/kg dry wt	ND	02/23/09	MFF	0.11			
Acrylonitrile	mg/kg dry wt	ND	02/23/09	MFF	0.007			
tert-Amylmethyl Ether	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Benzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
Bromobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
Bromochloromethane	mg/kg dry wt	ND	02/23/09	MFF	0.003			
Bromodichloromethane	mg/kg dry wt	ND	02/23/09	MFF	0.003			
Bromoform	mg/kg dry wt	ND	02/23/09	MFF	0.003			
Bromomethane	mg/kg dry wt	ND	02/23/09	MFF	0.011			
2-Butanone (MEK)	mg/kg dry wt	ND	02/23/09	MFF	0.041			
tert-Butyl Alcohol	mg/kg dry wt	ND	02/23/09	MFF	0.041			
n-Butylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
sec-Butylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
tert-Butylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
tert-Butylethyl Ether	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Carbon Disulfide	mg/kg dry wt	ND	02/23/09	MFF	0.007			
Carbon Tetrachloride	mg/kg dry wt	ND	02/23/09	MFF	0.003			
Chlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
Chlorodibromomethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Chloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.021			
Chloroform	mg/kg dry wt	ND	02/23/09	MFF	0.005			
Chloromethane	mg/kg dry wt	ND	02/23/09	MFF	0.011			
2-Chlorotoluene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
4-Chlorotoluene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,2-Dibromo-3-Chloropropane	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,2-Dibromoethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Dibromomethane	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,2-Dichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,3-Dichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			

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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: ME-SB-04 0-1FT

LIMS-BAT #: LIMT-23411
 Job Number: 60073489

Sample ID : 09B04966 ‡Sampled : 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	mg/kg dry wt	ND	02/23/09	MFF	0.087			
Acrylonitrile	mg/kg dry wt	ND	02/23/09	MFF	0.006			
tert-Amylmethyl Ether	mg/kg dry wt	ND	02/23/09	MFF	0.001			
Benzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Bromobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Bromochloromethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Bromodichloromethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Bromoform	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Bromomethane	mg/kg dry wt	ND	02/23/09	MFF	0.009			
2-Butanone (MEK)	mg/kg dry wt	ND	02/23/09	MFF	0.035			
tert-Butyl Alcohol	mg/kg dry wt	ND	02/23/09	MFF	0.035			
n-Butylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
sec-Butylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
tert-Butylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
tert-Butylethyl Ether	mg/kg dry wt	ND	02/23/09	MFF	0.001			
Carbon Disulfide	mg/kg dry wt	ND	02/23/09	MFF	0.006			
Carbon Tetrachloride	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Chlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Chlorodibromomethane	mg/kg dry wt	ND	02/23/09	MFF	0.001			
Chloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.018			
Chloroform	mg/kg dry wt	ND	02/23/09	MFF	0.004			
Chloromethane	mg/kg dry wt	ND	02/23/09	MFF	0.009			
2-Chlorotoluene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
4-Chlorotoluene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,2-Dibromo-3-Chloropropane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,2-Dibromoethane	mg/kg dry wt	ND	02/23/09	MFF	0.001			
Dibromomethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,2-Dichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,3-Dichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			

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S. PERHALAJ BONDOS
 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: ME-SB-04 0-1FT

LIMS-BAT #: LIMT-23411
 Job Number: 60073489

Sample ID : 09B04966 ‡Sampled : 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
1,4-Dichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
trans-1,4-Dichloro-2-Butene	mg/kg dry wt	ND	02/23/09	MFF	0.004			
Dichlorodifluoromethane	mg/kg dry wt	ND	02/23/09	MFF	0.018			
1,1-Dichloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,2-Dichloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,1-Dichloroethylene	mg/kg dry wt	ND	02/23/09	MFF	0.004			
cis-1,2-Dichloroethylene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
trans-1,2-Dichloroethylene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,2-Dichloropropane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,3-Dichloropropane	mg/kg dry wt	ND	02/23/09	MFF	0.001			
2,2-Dichloropropane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,1-Dichloropropene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
cis-1,3-Dichloropropene	mg/kg dry wt	ND	02/23/09	MFF	0.001			
trans-1,3-Dichloropropene	mg/kg dry wt	ND	02/23/09	MFF	0.001			
Diethyl Ether	mg/kg dry wt	ND	02/23/09	MFF	0.018			
Diisopropyl Ether	mg/kg dry wt	ND	02/23/09	MFF	0.001			
1,4-Dioxane	mg/kg dry wt	ND	02/23/09	MFF	0.087			
Ethyl Benzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Hexachlorobutadiene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
2-Hexanone	mg/kg dry wt	ND	02/23/09	MFF	0.018			
Isopropylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
p-Isopropyltoluene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
MTBE	mg/kg dry wt	ND	02/23/09	MFF	0.004			
Methylene Chloride	mg/kg dry wt	ND	02/23/09	MFF	0.018			
MIBK	mg/kg dry wt	ND	02/23/09	MFF	0.018			
Naphthalene	mg/kg dry wt	ND	02/23/09	MFF	0.004			
n-Propylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Styrene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,1,1,2-Tetrachloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			

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 500 ENTERPRISE DRIVE, SUITE 1A
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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: ME-SB-04 0-1FT

LIMS-BAT #: LIMIT-23411
 Job Number: 60073489

Sample ID : 09B04966 ‡Sampled : 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
1,1,2,2-Tetrachloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.001			
Tetrachloroethylene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Tetrahydrofuran	mg/kg dry wt	ND	02/23/09	MFF	0.009			
Toluene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,2,3-Trichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,3,5-Trichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,1,1-Trichloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,1,2-Trichloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Trichloroethylene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Trichlorofluoromethane	mg/kg dry wt	ND	02/23/09	MFF	0.009			
1,2,3-Trichloropropane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg dry wt	ND	02/23/09	MFF	0.009			
1,2,4-Trimethylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,3,5-Trimethylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Vinyl Chloride	mg/kg dry wt	ND	02/23/09	MFF	0.009			
m + p Xylene	mg/kg dry wt	ND	02/23/09	MFF	0.004			
o-Xylene	mg/kg dry wt	ND	02/23/09	MFF	0.002			

Analytical Method:

SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: ME-SB-04 8-9FT

LIMS-BAT #: LIMIT-23411
 Job Number: 60073489

Sample ID : 09B04967 ‡Sampled : 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Acetone	mg/kg dry wt	ND	02/23/09	MFF	0.094			
Acrylonitrile	mg/kg dry wt	ND	02/23/09	MFF	0.006			
tert-Amylmethyl Ether	mg/kg dry wt	ND	02/23/09	MFF	0.001			
Benzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Bromobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Bromochloromethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Bromodichloromethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Bromoform	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Bromomethane	mg/kg dry wt	ND	02/23/09	MFF	0.010			
2-Butanone (MEK)	mg/kg dry wt	ND	02/23/09	MFF	0.038			
tert-Butyl Alcohol	mg/kg dry wt	ND	02/23/09	MFF	0.038			
n-Butylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
sec-Butylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
tert-Butylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
tert-Butylethyl Ether	mg/kg dry wt	ND	02/23/09	MFF	0.001			
Carbon Disulfide	mg/kg dry wt	ND	02/23/09	MFF	0.006			
Carbon Tetrachloride	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Chlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Chlorodibromomethane	mg/kg dry wt	ND	02/23/09	MFF	0.001			
Chloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.019			
Chloroform	mg/kg dry wt	ND	02/23/09	MFF	0.004			
Chloromethane	mg/kg dry wt	ND	02/23/09	MFF	0.010			
2-Chlorotoluene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
4-Chlorotoluene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,2-Dibromo-3-Chloropropane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,2-Dibromoethane	mg/kg dry wt	ND	02/23/09	MFF	0.001			
Dibromomethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,2-Dichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,3-Dichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			

RL = Reporting Limit

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NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: ME-SB-04 8-9FT

LIMS-BAT #: LIMT-23411
 Job Number: 60073489

Sample ID : 09B04967 ‡Sampled : 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
1,4-Dichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
trans-1,4-Dichloro-2-Butene	mg/kg dry wt	ND	02/23/09	MFF	0.004			
Dichlorodifluoromethane	mg/kg dry wt	ND	02/23/09	MFF	0.019			
1,1-Dichloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,2-Dichloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,1-Dichloroethylene	mg/kg dry wt	ND	02/23/09	MFF	0.004			
cis-1,2-Dichloroethylene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
trans-1,2-Dichloroethylene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,2-Dichloropropane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,3-Dichloropropane	mg/kg dry wt	ND	02/23/09	MFF	0.001			
2,2-Dichloropropane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,1-Dichloropropene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
cis-1,3-Dichloropropene	mg/kg dry wt	ND	02/23/09	MFF	0.001			
trans-1,3-Dichloropropene	mg/kg dry wt	ND	02/23/09	MFF	0.001			
Diethyl Ether	mg/kg dry wt	ND	02/23/09	MFF	0.019			
Diisopropyl Ether	mg/kg dry wt	ND	02/23/09	MFF	0.001			
1,4-Dioxane	mg/kg dry wt	ND	02/23/09	MFF	0.094			
Ethyl Benzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Hexachlorobutadiene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
2-Hexanone	mg/kg dry wt	ND	02/23/09	MFF	0.019			
Isopropylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
p-Isopropyltoluene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
MTBE	mg/kg dry wt	ND	02/23/09	MFF	0.004			
Methylene Chloride	mg/kg dry wt	ND	02/23/09	MFF	0.019			
MIBK	mg/kg dry wt	ND	02/23/09	MFF	0.019			
Naphthalene	mg/kg dry wt	ND	02/23/09	MFF	0.004			
n-Propylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Styrene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,1,1,2-Tetrachloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			

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S. PERHALA/J BONDOS
 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
 ROCKY HILL, CT 06087

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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: ME-SB-04 8-9FT

LIMS-BAT #: LIMIT-23411
 Job Number: 60073489

Sample ID: 09B04967 ‡Sampled: 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
1,1,2,2-Tetrachloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.001			
Tetrachloroethylene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Tetrahydrofuran	mg/kg dry wt	ND	02/23/09	MFF	0.010			
Toluene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,2,3-Trichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,3,5-Trichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,1,1-Trichloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,1,2-Trichloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Trichloroethylene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Trichlorofluoromethane	mg/kg dry wt	ND	02/23/09	MFF	0.010			
1,2,3-Trichloropropane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg dry wt	ND	02/23/09	MFF	0.010			
1,2,4-Trimethylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,3,5-Trimethylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Vinyl Chloride	mg/kg dry wt	ND	02/23/09	MFF	0.010			
m + p Xylene	mg/kg dry wt	ND	02/23/09	MFF	0.004			
o-Xylene	mg/kg dry wt	ND	02/23/09	MFF	0.002			

Analytical Method:

SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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S. PERHALA/J BONDOS
 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
 ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: ME-SB-05 0.5-1.5FT

LIMS-BAT #: LIMIT-23411
 Job Number: 60073489

Sample ID : 09B04968 ‡Sampled : 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	mg/kg dry wt	ND	02/23/09	MFF	0.080			
Acrylonitrile	mg/kg dry wt	ND	02/23/09	MFF	0.005			
tert-Amylmethyl Ether	mg/kg dry wt	ND	02/23/09	MFF	0.001			
Benzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Bromobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Bromochloromethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Bromodichloromethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Bromoform	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Bromomethane	mg/kg dry wt	ND	02/23/09	MFF	0.008			
2-Butanone (MEK)	mg/kg dry wt	ND	02/23/09	MFF	0.032			
tert-Butyl Alcohol	mg/kg dry wt	ND	02/23/09	MFF	0.032			
n-Butylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
sec-Butylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
tert-Butylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
tert-Butylethyl Ether	mg/kg dry wt	ND	02/23/09	MFF	0.001			
Carbon Disulfide	mg/kg dry wt	ND	02/23/09	MFF	0.005			
Carbon Tetrachloride	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Chlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Chlorodibromomethane	mg/kg dry wt	ND	02/23/09	MFF	0.001			
Chloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.016			
Chloroform	mg/kg dry wt	ND	02/23/09	MFF	0.004			
Chloromethane	mg/kg dry wt	ND	02/23/09	MFF	0.008			
2-Chlorotoluene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
4-Chlorotoluene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,2-Dibromo-3-Chloropropane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,2-Dibromoethane	mg/kg dry wt	ND	02/23/09	MFF	0.001			
Dibromomethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,2-Dichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,3-Dichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			

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39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

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 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
 ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: ME-SB-05 0.5-1.5FT

LIMS-BAT #: LIMIT-23411
 Job Number: 60073489

Sample ID: 09B04968 ‡Sampled: 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
1,4-Dichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
trans-1,4-Dichloro-2-Butene	mg/kg dry wt	ND	02/23/09	MFF	0.004			
Dichlorodifluoromethane	mg/kg dry wt	ND	02/23/09	MFF	0.016			
1,1-Dichloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,2-Dichloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,1-Dichloroethylene	mg/kg dry wt	ND	02/23/09	MFF	0.004			
cis-1,2-Dichloroethylene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
trans-1,2-Dichloroethylene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,2-Dichloropropane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,3-Dichloropropane	mg/kg dry wt	ND	02/23/09	MFF	0.001			
2,2-Dichloropropane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,1-Dichloropropene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
cis-1,3-Dichloropropene	mg/kg dry wt	ND	02/23/09	MFF	0.001			
trans-1,3-Dichloropropene	mg/kg dry wt	ND	02/23/09	MFF	0.001			
Diethyl Ether	mg/kg dry wt	ND	02/23/09	MFF	0.016			
Diisopropyl Ether	mg/kg dry wt	ND	02/23/09	MFF	0.001			
1,4-Dioxane	mg/kg dry wt	ND	02/23/09	MFF	0.080			
Ethyl Benzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Hexachlorobutadiene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
2-Hexanone	mg/kg dry wt	ND	02/23/09	MFF	0.016			
Isopropylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
p-Isopropyltoluene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
MTBE	mg/kg dry wt	ND	02/23/09	MFF	0.004			
Methylene Chloride	mg/kg dry wt	ND	02/23/09	MFF	0.016			
MIBK	mg/kg dry wt	ND	02/23/09	MFF	0.016			
Naphthalene	mg/kg dry wt	ND	02/23/09	MFF	0.004			
n-Propylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Styrene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,1,1,2-Tetrachloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			

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S. PERHALAJ BONDOS
 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
 ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: ME-SB-05 5.5-6FT

LIMS-BAT #: LIMIT-23411
 Job Number: 60073489

Sample ID: 09B04969 ‡Sampled: 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	mg/kg dry wt	ND	02/23/09	MFF	0.11			
Acrylonitrile	mg/kg dry wt	ND	02/23/09	MFF	0.007			
tert-Amylmethyl Ether	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Benzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
Bromobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
Bromochloromethane	mg/kg dry wt	ND	02/23/09	MFF	0.003			
Bromodichloromethane	mg/kg dry wt	ND	02/23/09	MFF	0.003			
Bromoform	mg/kg dry wt	ND	02/23/09	MFF	0.003			
Bromomethane	mg/kg dry wt	ND	02/23/09	MFF	0.011			
2-Butanone (MEK)	mg/kg dry wt	ND	02/23/09	MFF	0.042			
tert-Butyl Alcohol	mg/kg dry wt	ND	02/23/09	MFF	0.042			
n-Butylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
sec-Butylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
tert-Butylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
tert-Butylethyl Ether	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Carbon Disulfide	mg/kg dry wt	ND	02/23/09	MFF	0.007			
Carbon Tetrachloride	mg/kg dry wt	ND	02/23/09	MFF	0.003			
Chlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
Chlorodibromomethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Chloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.021			
Chloroform	mg/kg dry wt	ND	02/23/09	MFF	0.005			
Chloromethane	mg/kg dry wt	ND	02/23/09	MFF	0.011			
2-Chlorotoluene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
4-Chlorotoluene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,2-Dibromo-3-Chloropropane	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,2-Dibromoethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Dibromomethane	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,2-Dichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,3-Dichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			

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S. PERHALA/J BONDOS
 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
 ROCKY HILL, CT 06067

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 Page 36 of 79

Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: ME-SB-05 5.5-6FT

LIMS-BAT #: LIMIT-23411
 Job Number: 60073489

Sample ID: 09B04969 ‡Sampled: 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
1,4-Dichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
trans-1,4-Dichloro-2-Butene	mg/kg dry wt	ND	02/23/09	MFF	0.005			
Dichlorodifluoromethane	mg/kg dry wt	ND	02/23/09	MFF	0.021			
1,1-Dichloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,2-Dichloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,1-Dichloroethylene	mg/kg dry wt	ND	02/23/09	MFF	0.005			
cis-1,2-Dichloroethylene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
trans-1,2-Dichloroethylene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,2-Dichloropropane	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,3-Dichloropropane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
2,2-Dichloropropane	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,1-Dichloropropene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
cis-1,3-Dichloropropene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
trans-1,3-Dichloropropene	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Diethyl Ether	mg/kg dry wt	ND	02/23/09	MFF	0.021			
Diisopropyl Ether	mg/kg dry wt	ND	02/23/09	MFF	0.002			
1,4-Dioxane	mg/kg dry wt	ND	02/23/09	MFF	0.11			
Ethyl Benzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
Hexachlorobutadiene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
2-Hexanone	mg/kg dry wt	ND	02/23/09	MFF	0.021			
Isopropylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
p-Isopropyltoluene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
MTBE	mg/kg dry wt	ND	02/23/09	MFF	0.005			
Methylene Chloride	mg/kg dry wt	ND	02/23/09	MFF	0.021			
MIBK	mg/kg dry wt	ND	02/23/09	MFF	0.021			
Naphthalene	mg/kg dry wt	ND	02/23/09	MFF	0.005			
n-Propylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
Styrene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,1,1,2-Tetrachloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.003			

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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: ME-SB-05 5.5-6FT

LIMS-BAT #: LIMIT-23411
 Job Number: 60073489

Sample ID: 09B04969 ‡Sampled: 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
1,1,2,2-Tetrachloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.002			
Tetrachloroethylene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
Tetrahydrofuran	mg/kg dry wt	ND	02/23/09	MFF	0.011			
Toluene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,2,3-Trichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,3,5-Trichlorobenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,1,1-Trichloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,1,2-Trichloroethane	mg/kg dry wt	ND	02/23/09	MFF	0.003			
Trichloroethylene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
Trichlorofluoromethane	mg/kg dry wt	ND	02/23/09	MFF	0.011			
1,2,3-Trichloropropane	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg dry wt	ND	02/23/09	MFF	0.011			
1,2,4-Trimethylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
1,3,5-Trimethylbenzene	mg/kg dry wt	ND	02/23/09	MFF	0.003			
Vinyl Chloride	mg/kg dry wt	ND	02/23/09	MFF	0.011			
m + p Xylene	mg/kg dry wt	ND	02/23/09	MFF	0.005			
o-Xylene	mg/kg dry wt	ND	02/23/09	MFF	0.003			

Analytical Method:
 SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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 AECOM - ROCKY HILL, CT
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 ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: TB 021909

LIMS-BAT #: LIMIT-23411
 Job Number: 60073489

Sample ID : 09B04970 ‡Sampled : 2/19/2009
 Not Specified

Sample Matrix: LIQUIDS

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Acetone	mg/kg	ND	02/23/09	MFF	0.10			
Acrylonitrile	mg/kg	ND	02/23/09	MFF	0.006			
tert-Amylmethyl Ether	mg/kg	ND	02/23/09	MFF	0.001			
Benzene	mg/kg	ND	02/23/09	MFF	0.002			
Bromobenzene	mg/kg	ND	02/23/09	MFF	0.002			
Bromochloromethane	mg/kg	ND	02/23/09	MFF	0.002			
Bromodichloromethane	mg/kg	ND	02/23/09	MFF	0.002			
Bromoform	mg/kg	ND	02/23/09	MFF	0.002			
Bromomethane	mg/kg	ND	02/23/09	MFF	0.010			
2-Butanone (MEK)	mg/kg	ND	02/23/09	MFF	0.040			
tert-Butyl Alcohol	mg/kg	ND	02/23/09	MFF	0.040			
n-Butylbenzene	mg/kg	ND	02/23/09	MFF	0.002			
sec-Butylbenzene	mg/kg	ND	02/23/09	MFF	0.002			
tert-Butylbenzene	mg/kg	ND	02/23/09	MFF	0.002			
tert-Butylethyl Ether	mg/kg	ND	02/23/09	MFF	0.001			
Carbon Disulfide	mg/kg	ND	02/23/09	MFF	0.006			
Carbon Tetrachloride	mg/kg	ND	02/23/09	MFF	0.002			
Chlorobenzene	mg/kg	ND	02/23/09	MFF	0.002			
Chlorodibromomethane	mg/kg	ND	02/23/09	MFF	0.001			
Chloroethane	mg/kg	ND	02/23/09	MFF	0.020			
Chloroform	mg/kg	ND	02/23/09	MFF	0.004			
Chloromethane	mg/kg	ND	02/23/09	MFF	0.010			
2-Chlorotoluene	mg/kg	ND	02/23/09	MFF	0.002			
4-Chlorotoluene	mg/kg	ND	02/23/09	MFF	0.002			
1,2-Dibromo-3-Chloropropane	mg/kg	ND	02/23/09	MFF	0.002			
1,2-Dibromoethane	mg/kg	ND	02/23/09	MFF	0.001			
Dibromomethane	mg/kg	ND	02/23/09	MFF	0.002			
1,2-Dichlorobenzene	mg/kg	ND	02/23/09	MFF	0.002			
1,3-Dichlorobenzene	mg/kg	ND	02/23/09	MFF	0.002			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

S. PERHALA/J BONDOS
 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
 ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: TB 021909

LIMS-BAT #: LIMIT-23411
 Job Number: 60073489

Sample ID: 09B04970 ‡Sampled: 2/19/2009
 Not Specified

Sample Matrix: LIQUIDS

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
1,4-Dichlorobenzene	mg/kg	ND	02/23/09	MFF	0.002			
trans-1,4-Dichloro-2-Butene	mg/kg	ND	02/23/09	MFF	0.004			
Dichlorodifluoromethane	mg/kg	ND	02/23/09	MFF	0.020			
1,1-Dichloroethane	mg/kg	ND	02/23/09	MFF	0.002			
1,2-Dichloroethane	mg/kg	ND	02/23/09	MFF	0.002			
1,1-Dichloroethylene	mg/kg	ND	02/23/09	MFF	0.004			
cis-1,2-Dichloroethylene	mg/kg	ND	02/23/09	MFF	0.002			
trans-1,2-Dichloroethylene	mg/kg	ND	02/23/09	MFF	0.002			
1,2-Dichloropropane	mg/kg	ND	02/23/09	MFF	0.002			
1,3-Dichloropropane	mg/kg	ND	02/23/09	MFF	0.001			
2,2-Dichloropropane	mg/kg	ND	02/23/09	MFF	0.002			
1,1-Dichloropropene	mg/kg	ND	02/23/09	MFF	0.002			
cis-1,3-Dichloropropene	mg/kg	ND	02/23/09	MFF	0.001			
trans-1,3-Dichloropropene	mg/kg	ND	02/23/09	MFF	0.001			
Diethyl Ether	mg/kg	ND	02/23/09	MFF	0.020			
Diisopropyl Ether	mg/kg	ND	02/23/09	MFF	0.020			
1,4-Dioxane	mg/kg	ND	02/23/09	MFF	0.10			
Ethyl Benzene	mg/kg	ND	02/23/09	MFF	0.002			
Hexachlorobutadiene	mg/kg	ND	02/23/09	MFF	0.002			
2-Hexanone	mg/kg	ND	02/23/09	MFF	0.020			
Isopropylbenzene	mg/kg	ND	02/23/09	MFF	0.002			
p-Isopropyltoluene	mg/kg	ND	02/23/09	MFF	0.002			
MTBE	mg/kg	ND	02/23/09	MFF	0.004			
Methylene Chloride	mg/kg	ND	02/23/09	MFF	0.020			
MIBK	mg/kg	ND	02/23/09	MFF	0.020			
Naphthalene	mg/kg	ND	02/23/09	MFF	0.004			
n-Propylbenzene	mg/kg	ND	02/23/09	MFF	0.002			
Styrene	mg/kg	ND	02/23/09	MFF	0.002			
1,1,1,2-Tetrachloroethane	mg/kg	ND	02/23/09	MFF	0.002			

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ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

S. PERHALA/J BONDOS
AECOM - ROCKY HILL, CT
500 ENTERPRISE DRIVE, SUITE 1A
ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: FACTORY H MERIDEN
Date Received: 2/20/2009
Field Sample #: TB 021909

LIMS-BAT #: LIMIT-23411
Job Number: 60073489

Sample ID: 09B04970 ‡Sampled: 2/19/2009
Not Specified

Sample Matrix: LIQUIDS

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
1,1,2,2-Tetrachloroethane	mg/kg	ND	02/23/09	MFF	0.001		
Tetrachloroethylene	mg/kg	ND	02/23/09	MFF	0.002		
Tetrahydrofuran	mg/kg	ND	02/23/09	MFF	0.010		
Toluene	mg/kg	ND	02/23/09	MFF	0.002		
1,2,3-Trichlorobenzene	mg/kg	ND	02/23/09	MFF	0.002		
1,2,4-Trichlorobenzene	mg/kg	ND	02/23/09	MFF	0.002		
1,3,5-Trichlorobenzene	mg/kg	ND	02/23/09	MFF	0.002		
1,1,1-Trichloroethane	mg/kg	ND	02/23/09	MFF	0.002		
1,1,2-Trichloroethane	mg/kg	ND	02/23/09	MFF	0.002		
Trichloroethylene	mg/kg	ND	02/23/09	MFF	0.002		
Trichlorofluoromethane	mg/kg	ND	02/23/09	MFF	0.010		
1,2,3-Trichloropropane	mg/kg	ND	02/23/09	MFF	0.002		
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg	ND	02/23/09	MFF	0.010		
1,2,4-Trimethylbenzene	mg/kg	ND	02/23/09	MFF	0.002		
1,3,5-Trimethylbenzene	mg/kg	ND	02/23/09	MFF	0.002		
Vinyl Chloride	mg/kg	ND	02/23/09	MFF	0.010		
m + p Xylene	mg/kg	ND	02/23/09	MFF	0.004		
o-Xylene	mg/kg	ND	02/23/09	MFF	0.002		

Analytical Method:

SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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S. PERHALAJ BONDOS
 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: EB 021909

LIMS-BAT #: LIMIT-23411
 Job Number: 60073489

Sample ID: 09B04971 ‡Sampled: 2/19/2009
 Not Specified

Sample Matrix: WATER OTHER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	ug/l	ND	02/23/09	EH	5.0			
Acrylonitrile	ug/l	ND	02/23/09	EH	2.0			
tert-Amylmethyl Ether	ug/l	ND	02/23/09	EH	0.5			
Benzene	ug/l	ND	02/23/09	EH	0.5			
Bromobenzene	ug/l	ND	02/23/09	EH	0.5			
Bromochloromethane	ug/l	ND	02/23/09	EH	0.5			
Bromodichloromethane	ug/l	ND	02/23/09	EH	1.0			
Bromoform	ug/l	ND	02/23/09	EH	5.0			
Bromomethane	ug/l	ND	02/23/09	EH	0.5			
2-Butanone (MEK)	ug/l	ND	02/23/09	EH	2.0			
tert-Butyl Alcohol	ug/l	ND	02/23/09	EH	10.0			
n-Butylbenzene	ug/l	ND	02/23/09	EH	0.5			
sec-Butylbenzene	ug/l	ND	02/23/09	EH	0.5			
tert-Butylbenzene	ug/l	ND	02/23/09	EH	0.5			
tert-Butylethyl Ether	ug/l	ND	02/23/09	EH	0.5			
Carbon Disulfide	ug/l	ND	02/23/09	EH	5.0			
Carbon Tetrachloride	ug/l	ND	02/23/09	EH	0.5			
Chlorobenzene	ug/l	ND	02/23/09	EH	0.5			
Chlorodibromomethane	ug/l	ND	02/23/09	EH	5.0			
Chloroethane	ug/l	ND	02/23/09	EH	0.5			
Chloroform	ug/l	ND	02/23/09	EH	0.5			
Chloromethane	ug/l	ND	02/23/09	EH	0.5			
2-Chlorotoluene	ug/l	ND	02/23/09	EH	0.5			
4-Chlorotoluene	ug/l	ND	02/23/09	EH	0.5			
1,2-Dibromo-3-Chloropropane	ug/l	ND	02/23/09	EH	5.0			
1,2-Dibromoethane	ug/l	ND	02/23/09	EH	0.50			
Dibromomethane	ug/l	ND	02/23/09	EH	0.5			
1,2-Dichlorobenzene	ug/l	ND	02/23/09	EH	0.5			
1,3-Dichlorobenzene	ug/l	ND	02/23/09	EH	0.5			

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S. PERHALA/J BONDOS
 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
 ROCKY HILL, CT 06067

3/3/2009
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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: EB 021909

LIMS-BAT #: LIMT-23411
 Job Number: 60073489

Sample ID: 09B04971 ‡Sampled: 2/19/2009
 Not Specified

Sample Matrix: WATER OTHER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
1,4-Dichlorobenzene	ug/l	ND	02/23/09	EH	0.5			
trans-1,4-Dichloro-2-Butene	ug/l	ND	02/23/09	EH	5.0			
Dichlorodifluoromethane	ug/l	ND	02/23/09	EH	0.5			
1,1-Dichloroethane	ug/l	ND	02/23/09	EH	0.5			
1,2-Dichloroethane	ug/l	ND	02/23/09	EH	0.5			
1,1-Dichloroethylene	ug/l	ND	02/23/09	EH	0.5			
cis-1,2-Dichloroethylene	ug/l	ND	02/23/09	EH	0.5			
trans-1,2-Dichloroethylene	ug/l	ND	02/23/09	EH	0.5			
1,2-Dichloropropane	ug/l	ND	02/23/09	EH	0.5			
1,3-Dichloropropane	ug/l	ND	02/23/09	EH	0.5			
2,2-Dichloropropane	ug/l	ND	02/23/09	EH	0.5			
1,1-Dichloropropene	ug/l	ND	02/23/09	EH	0.5			
cis-1,3-Dichloropropene	ug/l	ND	02/23/09	EH	0.5			
trans-1,3-Dichloropropene	ug/l	ND	02/23/09	EH	0.5			
Diethyl Ether	ug/l	ND	02/23/09	EH	0.5			
Diisopropyl Ether	ug/l	ND	02/23/09	EH	0.5			
1,4-Dioxane	ug/l	ND	02/23/09	EH	10.0			
Ethyl Benzene	ug/l	ND	02/23/09	EH	0.5			
Hexachlorobutadiene	ug/l	ND	02/23/09	EH	0.4			
2-Hexanone	ug/l	ND	02/23/09	EH	10.0			
Isopropylbenzene	ug/l	ND	02/23/09	EH	0.5			
p-Isopropyltoluene	ug/l	ND	02/23/09	EH	0.5			
MTBE	ug/l	ND	02/23/09	EH	0.5			
Methylene Chloride	ug/l	ND	02/23/09	EH	1.0			
MIBK	ug/l	ND	02/23/09	EH	2.0			
Naphthalene	ug/l	ND	02/23/09	EH	5.0			
n-Propylbenzene	ug/l	ND	02/23/09	EH	0.5			
Styrene	ug/l	ND	02/23/09	EH	1.0			
1,1,1,2-Tetrachloroethane	ug/l	ND	02/23/09	EH	1.0			

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S. PERHALAJ BONDOS
 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
 ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: EB 021909

LIMS-BAT #: LIMIT-23411
 Job Number: 60073489

Sample ID: 09B04971 ‡Sampled: 2/19/2009
 Not Specified

Sample Matrix: WATER OTHER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
1,1,2,2-Tetrachloroethane	ug/l	ND	02/23/09	EH	0.5			
Tetrachloroethylene	ug/l	ND	02/23/09	EH	0.5			
Tetrahydrofuran	ug/l	ND	02/23/09	EH	5.0			
Toluene	ug/l	ND	02/23/09	EH	0.5			
1,2,3-Trichlorobenzene	ug/l	ND	02/23/09	EH	5.0			
1,2,4-Trichlorobenzene	ug/l	ND	02/23/09	EH	0.5			
1,3,5-Trichlorobenzene	ug/l	ND	02/23/09	EH	1.0			
1,1,1-Trichloroethane	ug/l	ND	02/23/09	EH	1.0			
1,1,2-Trichloroethane	ug/l	ND	02/23/09	EH	0.5			
Trichloroethylene	ug/l	ND	02/23/09	EH	0.5			
Trichlorofluoromethane	ug/l	ND	02/23/09	EH	0.5			
1,2,3-Trichloropropane	ug/l	ND	02/23/09	EH	0.5			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	ND	02/23/09	EH	0.5			
1,2,4-Trimethylbenzene	ug/l	ND	02/23/09	EH	0.5			
1,3,5-Trimethylbenzene	ug/l	ND	02/23/09	EH	0.5			
Vinyl Chloride	ug/l	ND	02/23/09	EH	0.5			
m + p Xylene	ug/l	ND	02/23/09	EH	1.0			
o-Xylene	ug/l	ND	02/23/09	EH	0.5			

Analytical Method:

SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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S. PERHALAJ-BONDOS
 AECOM - ROCKY HILL, CT
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 ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: ME-SB-02 1-2FT

LIMS-BAT #: LIMT-23411
 Job Number: 60073489

Sample ID: 09B04960 ‡Sampled : 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Cyanide	mg/kg dry wt	ND	02/26/09	VAK	0.67			

Field Sample #: ME-SB-02 8-9FT

Sample ID: 09B04961 ‡Sampled : 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Cyanide	mg/kg dry wt	ND	02/26/09	VAK	0.89			

Field Sample #: ME-SB-03 1-2FT

Sample ID: 09B04964 ‡Sampled : 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Cyanide	mg/kg dry wt	ND	02/26/09	VAK	0.81			

Field Sample #: ME-SB-03 7.5-8.5FT

Sample ID: 09B04965 ‡Sampled : 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Cyanide	mg/kg dry wt	ND	02/26/09	VAK	0.64			

Field Sample #: ME-SB-04 0-1FT

Sample ID: 09B04966 ‡Sampled : 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Cyanide	mg/kg dry wt	ND	02/26/09	VAK	0.90			

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S. PERHALA/J BONDOS
 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
 ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: ME-SB-04 8-9FT

LIMS-BAT #: LIMIT-23411
 Job Number: 60073489

Sample ID : 09B04967 ‡Sampled : 2/19/2009
 Not Specified
 Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Cyanide	mg/kg dry wt	ND	02/26/09	VAK	0.94			

Field Sample #: ME-SB-05 0.5-1.5FT

Sample ID : 09B04968 ‡Sampled : 2/19/2009
 Not Specified
 Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Cyanide	mg/kg dry wt	ND	02/26/09	VAK	0.82			

Field Sample #: ME-SB-05 5.5-6FT

Sample ID : 09B04969 ‡Sampled : 2/19/2009
 Not Specified
 Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Cyanide	mg/kg dry wt	ND	02/26/09	VAK	0.98			

Analytical Method:
 MODIFIED SW846 9014
 DISTILLATION FOLLOWED BY REACTION WITH CHLORAMINE-T/PYRIDINE-BARBITURIC ACID AND PHOSPHATE BUFFER AND SPECTROPHOTOMETRIC ANALYSIS.

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S. PERHALAJ BONDOS
 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
 ROCKY HILL, CT 06067

3/3/2009
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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: EB 021909

LIMS-BAT #: LIMIT-23411
 Job Number: 60073489

Sample ID : 09B04971 ‡Sampled : 2/19/2009
 Not Specified

Sample Matrix: WATER OTHER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Extractable TPH (ETPH)	mg/l	ND	02/25/09	CJM	0.075			

Analytical Method:

Extractable TPH (CT ETPH)

SAMPLES ARE EXTRACTED INTO METHYLENE CHLORIDE AND ANALYZED BY GAS CHROMATOGRAPHY WITH FLAME IONIZATION DETECTION (GC/FID).

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S. PERHALAJ BONDOS
 AECOM - ROCKY HILL, CT
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 ROCKY HILL, CT 06067

3/3/2009
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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: EB 021909

LIMS-BAT #: LIMIT-23411
 Job Number: 60073489

Sample ID : 09B04971 ‡Sampled : 2/19/2009
 Not Specified

Sample Matrix: WATER OTHER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Mercury	mg/l	ND	02/24/09	KM	0.00010			

Analytical Method:

EPA 245.1/SW846 7470
 COLD VAPOR TECHNIQUE (FLAMELESS ABSORPTION AT 254 NM)

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S. PERHALA/J BONDOS
 AECOM - ROCKY HILL, CT
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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: ME-SB-01 8-9FT

LIMS-BAT #: LIMIT-23411
 Job Number: 60073489

Sample ID : 09B04959 ‡Sampled : 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Antimony	mg/kg dry wt	ND	02/25/09	OP	5.23			
Arsenic	mg/kg dry wt	4.70	02/25/09	OP	3.27			
Barium	mg/kg dry wt	282	02/25/09	OP	6.54			
Beryllium	mg/kg dry wt	0.90	02/25/09	OP	0.33			
Cadmium	mg/kg dry wt	0.37	02/25/09	OP	0.33			
Chromium	mg/kg dry wt	32.8	02/25/09	OP	0.66			
Copper	mg/kg dry wt	31.7	02/25/09	OP	0.66			
Lead	mg/kg dry wt	31.6	02/25/09	OP	0.99			
Mercury	mg/kg dry wt	0.105	02/25/09	KM	0.020			
Nickel	mg/kg dry wt	13.2	02/25/09	OP	0.66			
Selenium	mg/kg dry wt	ND	02/25/09	OP	6.54			
Silver	mg/kg dry wt	ND	02/25/09	OP	0.66			
Thallium	mg/kg dry wt	ND	02/25/09	OP	3.93			
Vanadium	mg/kg dry wt	59.8	02/25/09	OP	6.54			
Zinc	mg/kg dry wt	77.4	02/25/09	OP	1.31			

RL = Reporting Limit

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NM = Not Measured

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AECOM - ROCKY HILL, CT
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Purchase Order No.:

Project Location: FACTORY H MERIDEN
Date Received: 2/20/2009

LIMS-BAT #: LIMIT-23411
Job Number: 60073489

Analytical Method: Antimony
SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Arsenic
SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Barium
SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Beryllium
SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Cadmium
SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Chromium
SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Copper
SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Lead
SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Mercury
SW846 3050/7471

SAMPLES ARE DIGESTED WITH ACIDS AND THEN ANALYZED BY
COLD VAPOR (FLAMELESS) ATOMIC ABSORPTION SPECTROPHOTOMETRY

Analytical Method: Nickel
SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

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NM = Not Measured

SPEC LIMIT = a client specified recommended or
regulatory level for comparison with data to
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Purchase Order No.:

Project Location: FACTORY H MERIDEN
Date Received: 2/20/2009

LIMS-BAT #: LIMT-23411
Job Number: 60073489

Analytical Method: Selenium
SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Silver
SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Thallium
SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Vanadium
SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Zinc
SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

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NM = Not Measured

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‡ = See attached chain-of-custody record for time sampled

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regulatory level for comparison with data to
determine PASS (P) or FAIL (F) condition of results.

S. PERHALA/J BONDOS
 AECOM - ROCKY HILL, CT
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 ROCKY HILL, CT 06087

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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: ME-MW-02 13-14FT

LIMS-BAT #: LIMIT-23411
 Job Number: 60073489

Sample ID : 09B04963 ‡Sampled : 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Arsenic	mg/kg dry wt	ND	02/25/09	OP	2.86			
Barium	mg/kg dry wt	28.7	02/25/09	OP	5.71			
Cadmium	mg/kg dry wt	ND	02/25/09	OP	0.29			
Chromium	mg/kg dry wt	6.17	02/25/09	OP	0.58			
Lead	mg/kg dry wt	4.18	02/25/09	OP	0.86			
Mercury	mg/kg dry wt	ND	02/25/09	KM	0.014			
Selenium	mg/kg dry wt	ND	02/25/09	OP	5.71			
Silver	mg/kg dry wt	ND	02/25/09	OP	0.58			

Field Sample #: ME-SB-01 0.5-1.5FT

Sample ID : 09B04958 ‡Sampled : 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Arsenic	mg/kg dry wt	3.16	02/25/09	OP	2.65			
Barium	mg/kg dry wt	80.5	02/25/09	OP	5.30			
Cadmium	mg/kg dry wt	0.31	02/25/09	OP	0.27			
Chromium	mg/kg dry wt	11.5	02/25/09	OP	0.53			
Lead	mg/kg dry wt	58.5	02/25/09	OP	0.80			
Mercury	mg/kg dry wt	0.089	02/25/09	KM	0.012			
Selenium	mg/kg dry wt	ND	02/25/09	OP	5.30			
Silver	mg/kg dry wt	1.83	02/25/09	OP	0.53			

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 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: ME-SB-02 1-2FT

LIMS-BAT #: LIMT-23411
 Job Number: 60073489

Sample ID : 09B04960 ‡Sampled : 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Arsenic	mg/kg dry wt	3.75	02/25/09	OP	2.56			
Barium	mg/kg dry wt	96.3	02/25/09	OP	5.11			
Cadmium	mg/kg dry wt	0.28	02/25/09	OP	0.26			
Chromium	mg/kg dry wt	14.8	02/25/09	OP	0.52			
Lead	mg/kg dry wt	8.21	02/25/09	OP	0.77			
Mercury	mg/kg dry wt	ND	02/25/09	KM	0.010			
Selenium	mg/kg dry wt	ND	02/25/09	OP	5.11			
Silver	mg/kg dry wt	ND	02/25/09	OP	0.52			

Field Sample #: ME-SB-02 8-9FT

Sample ID : 09B04961 ‡Sampled : 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Arsenic	mg/kg dry wt	ND	02/25/09	OP	2.63			
Barium	mg/kg dry wt	90.7	02/25/09	OP	5.26			
Cadmium	mg/kg dry wt	ND	02/25/09	OP	0.27			
Chromium	mg/kg dry wt	9.85	02/25/09	OP	0.53			
Lead	mg/kg dry wt	9.76	02/25/09	OP	0.79			
Mercury	mg/kg dry wt	ND	02/25/09	KM	0.014			
Selenium	mg/kg dry wt	ND	02/25/09	OP	5.26			
Silver	mg/kg dry wt	ND	02/25/09	OP	0.53			

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ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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 AECOM - ROCKY HILL, CT
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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: ME-SB-03 1-2FT

LIMS-BAT #: LIMIT-23411
 Job Number: 60073489

Sample ID : 09B04964 ‡Sampled : 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Arsenic	mg/kg dry wt	6.71	02/25/09	OP	2.76			
Barium	mg/kg dry wt	224	02/25/09	OP	5.52			
Cadmium	mg/kg dry wt	ND	02/25/09	OP	0.28			
Chromium	mg/kg dry wt	25.9	02/25/09	OP	0.56			
Lead	mg/kg dry wt	33.5	02/25/09	OP	0.83			
Mercury	mg/kg dry wt	0.053	02/25/09	KM	0.014			
Selenium	mg/kg dry wt	ND	02/25/09	OP	5.52			
Silver	mg/kg dry wt	2.20	02/25/09	OP	0.56			

Field Sample #: ME-SB-03 7.5-8.5FT

Sample ID : 09B04965 ‡Sampled : 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Arsenic	mg/kg dry wt	ND	02/25/09	OP	2.89			
Barium	mg/kg dry wt	173	02/25/09	OP	5.78			
Cadmium	mg/kg dry wt	ND	02/25/09	OP	0.29			
Chromium	mg/kg dry wt	18.9	02/25/09	OP	0.58			
Lead	mg/kg dry wt	7.96	02/25/09	OP	0.87			
Mercury	mg/kg dry wt	0.022	02/25/09	KM	0.011			
Selenium	mg/kg dry wt	ND	02/25/09	OP	5.78			
Silver	mg/kg dry wt	ND	02/25/09	OP	0.58			

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 AECOM - ROCKY HILL, CT
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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: ME-SB-05 5.5-6FT

LIMS-BAT #: LIMIT-23411
 Job Number: 60073489

Sample ID: 09B04969 ‡Sampled: 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Arsenic	mg/kg dry wt	7.10	02/25/09	OP	3.54			
Barium	mg/kg dry wt	256	02/25/09	OP	7.08			
Cadmium	mg/kg dry wt	0.55	02/25/09	OP	0.36			
Chromium	mg/kg dry wt	26.3	02/25/09	OP	0.71			
Lead	mg/kg dry wt	454	02/25/09	OP	1.07			
Mercury	mg/kg dry wt	2.07	02/25/09	KM	0.085			
Selenium	mg/kg dry wt	ND	02/25/09	OP	7.08			
Silver	mg/kg dry wt	9.77	02/25/09	OP	0.71			

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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AECOM - ROCKY HILL, CT
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ROCKY HILL, CT 06087

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Purchase Order No.:

Project Location: FACTORY H MERIDEN
Date Received: 2/20/2009

LIMS-BAT #: LIMIT-23411
Job Number: 60073489

Analytical Method: Arsenic
SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Barium
SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Cadmium
SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Chromium
SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Lead
SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Mercury
SW846 3050/7471

SAMPLES ARE DIGESTED WITH ACIDS AND THEN ANALYZED BY
COLD VAPOR (FLAMELESS) ATOMIC ABSORPTION SPECTROPHOTOMETRY

Analytical Method: Selenium
SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Silver
SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

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S. PERHALAJ BONDOS
 AECOM - ROCKY HILL, CT
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 ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: EB 021909

LIMS-BAT #: LIMIT-23411
 Job Number: 60073489

Sample ID: 09B04971 ‡Sampled: 2/19/2009
 Not Specified

Sample Matrix: WATER OTHER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	ug/l	ND	02/25/09	BGL	0.30			
Acenaphthylene	ug/l	ND	02/25/09	BGL	0.30			
Anthracene	ug/l	ND	02/25/09	BGL	0.20			
Benzo(a)anthracene	ug/l	ND	02/25/09	BGL	0.050			
Benzo(a)pyrene	ug/l	ND	02/25/09	BGL	0.100			
Benzo(b)fluoranthene	ug/l	ND	02/25/09	BGL	0.050			
Benzo(g,h,i)perylene	ug/l	ND	02/25/09	BGL	0.500			
Benzo(k)fluoranthene	ug/l	ND	02/25/09	BGL	0.200			
Chrysene	ug/l	ND	02/25/09	BGL	0.20			
Dibenz(a,h)anthracene	ug/l	ND	02/25/09	BGL	0.200			
Fluoranthene	ug/l	ND	02/25/09	BGL	0.50			
Fluorene	ug/l	ND	02/25/09	BGL	1.00			
Indeno(1,2,3-cd)pyrene	ug/l	ND	02/25/09	BGL	0.200			
2-Methylnaphthalene	ug/l	ND	02/25/09	BGL	1.00			
Naphthalene	ug/l	ND	02/25/09	BGL	1.00			
Phenanthrene	ug/l	0.06	02/25/09	BGL	0.05			
Pyrene	ug/l	ND	02/25/09	BGL	1.00			
Extraction Date 625/8270		2/22/2009	02/25/09	BGL				

Analytical Method:
 625/8270

SAMPLES ARE EXTRACTED INTO METHYLENE CHLORIDE BY SEPARATORY FUNNEL LIQUID/LIQUID EXTRACTION, FOLLOWED BY KUDERNA-DANISH OR TURBOVAP EVAPORATIVE CONCENTRATION AND QUANTITATED BY GC/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit
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 NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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 ‡ = See attached chain-of-custody record for time sampled

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 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
 ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: ME-MW-02 13-14FT

LIMS-BAT #: LIMIT-23411
 Job Number: 60073489

Sample ID: 09B04963 ‡Sampled: 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	02/28/09	BGL	0.191			
Acenaphthylene	mg/kg dry wt	ND	02/28/09	BGL	0.191			
Anthracene	mg/kg dry wt	ND	02/28/09	BGL	0.191			
Benzo(a)anthracene	mg/kg dry wt	ND	02/28/09	BGL	0.191			
Benzo(a)pyrene	mg/kg dry wt	ND	02/28/09	BGL	0.191			
Benzo(b)fluoranthene	mg/kg dry wt	ND	02/28/09	BGL	0.191			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	02/28/09	BGL	0.191			
Benzo(k)fluoranthene	mg/kg dry wt	ND	02/28/09	BGL	0.191			
Chrysene	mg/kg dry wt	ND	02/28/09	BGL	0.191			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	02/28/09	BGL	0.191			
Fluoranthene	mg/kg dry wt	ND	02/28/09	BGL	0.191			
Fluorene	mg/kg dry wt	ND	02/28/09	BGL	0.191			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	02/28/09	BGL	0.191			
2-Methylnaphthalene	mg/kg dry wt	ND	02/28/09	BGL	0.191			
Naphthalene	mg/kg dry wt	ND	02/28/09	BGL	0.191			
Phenanthrene	mg/kg dry wt	ND	02/28/09	BGL	0.191			
Pyrene	mg/kg dry wt	ND	02/28/09	BGL	0.191			
Extraction Date 8270		2/23/2009	02/28/09	BGL				

Analytical Method:

SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

S. PERHALA/J BONDOS
 AECOM - ROCKY HILL, CT
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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: ME-MW-02 4.5-5FT

LIMS-BAT #: LIMIT-23411
 Job Number: 60073489

Sample ID: 09B04962 ‡Sampled: 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	0.200	02/28/09	BGL	0.170			
Acenaphthylene	mg/kg dry wt	ND	02/28/09	BGL	0.170			
Anthracene	mg/kg dry wt	ND	02/28/09	BGL	0.170			
Benzo(a)anthracene	mg/kg dry wt	0.778	02/28/09	BGL	0.170			
Benzo(a)pyrene	mg/kg dry wt	0.407	02/28/09	BGL	0.170			
Benzo(b)fluoranthene	mg/kg dry wt	0.478	02/28/09	BGL	0.170			
Benzo(g,h,i)perylene	mg/kg dry wt	0.216	02/28/09	BGL	0.170			
Benzo(k)fluoranthene	mg/kg dry wt	ND	02/28/09	BGL	0.170			
Chrysene	mg/kg dry wt	1.08	02/28/09	BGL	0.170			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	02/28/09	BGL	0.170			
Fluoranthene	mg/kg dry wt	0.978	02/28/09	BGL	0.170			
Fluorene	mg/kg dry wt	0.203	02/28/09	BGL	0.170			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	0.227	02/28/09	BGL	0.170			
2-Methylnaphthalene	mg/kg dry wt	0.257	02/28/09	BGL	0.170			
Naphthalene	mg/kg dry wt	0.867	02/28/09	BGL	0.170			
Phenanthrene	mg/kg dry wt	2.91	02/28/09	BGL	0.170			
Pyrene	mg/kg dry wt	2.74	02/28/09	BGL	0.170			
Extraction Date 8270		2/23/2009	02/28/09	BGL				

Analytical Method:

SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: ME-SB-01 0.5-1.5FT

LIMS-BAT #: LIMIT-23411
 Job Number: 60073489

Sample ID : 09B04958 ‡Sampled : 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	0.515	02/28/09	BGL	0.177			
Acenaphthylene	mg/kg dry wt	0.378	02/28/09	BGL	0.177			
Anthracene	mg/kg dry wt	1.95	02/28/09	BGL	0.177			
Benzo(a)anthracene	mg/kg dry wt	6.80	02/28/09	BGL	0.177			
Benzo(a)pyrene	mg/kg dry wt	5.86	02/28/09	BGL	0.177			
Benzo(b)fluoranthene	mg/kg dry wt	6.15	02/28/09	BGL	0.177			
Benzo(g,h,i)perylene	mg/kg dry wt	2.01	02/28/09	BGL	0.177			
Benzo(k)fluoranthene	mg/kg dry wt	2.14	02/28/09	BGL	0.177			
Chrysene	mg/kg dry wt	6.24	02/28/09	BGL	0.177			
Dibenz(a,h)anthracene	mg/kg dry wt	0.850	02/28/09	BGL	0.177			
Fluoranthene	mg/kg dry wt	7.91	02/28/09	BGL	0.177			
Fluorene	mg/kg dry wt	0.753	02/28/09	BGL	0.177			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	2.76	02/28/09	BGL	0.177			
2-Methylnaphthalene	mg/kg dry wt	1.05	02/28/09	BGL	0.177			
Naphthalene	mg/kg dry wt	5.46	02/28/09	BGL	0.177			
Phenanthrene	mg/kg dry wt	6.96	02/28/09	BGL	0.177			
Pyrene	mg/kg dry wt	8.68	02/28/09	BGL	0.177			
Extraction Date 8270		2/23/2009	02/28/09	BGL				

Analytical Method:
 SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit

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NM = Not Measured

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 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
 ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: ME-SB-01 8-9FT

LIMS-BAT #: LIMT-23411
 Job Number: 60073489

Sample ID : 09B04959 ‡Sampled : 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	02/28/09	BGL	0.218			
Acenaphthylene	mg/kg dry wt	ND	02/28/09	BGL	0.218			
Anthracene	mg/kg dry wt	ND	02/28/09	BGL	0.218			
Benzo(a)anthracene	mg/kg dry wt	ND	02/28/09	BGL	0.218			
Benzo(a)pyrene	mg/kg dry wt	ND	02/28/09	BGL	0.218			
Benzo(b)fluoranthene	mg/kg dry wt	ND	02/28/09	BGL	0.218			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	02/28/09	BGL	0.218			
Benzo(k)fluoranthene	mg/kg dry wt	ND	02/28/09	BGL	0.218			
Chrysene	mg/kg dry wt	ND	02/28/09	BGL	0.218			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	02/28/09	BGL	0.218			
Fluoranthene	mg/kg dry wt	ND	02/28/09	BGL	0.218			
Fluorene	mg/kg dry wt	ND	02/28/09	BGL	0.218			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	02/28/09	BGL	0.218			
2-Methylnaphthalene	mg/kg dry wt	ND	02/28/09	BGL	0.218			
Naphthalene	mg/kg dry wt	1.70	02/28/09	BGL	0.218			
Phenanthrene	mg/kg dry wt	ND	02/28/09	BGL	0.218			
Pyrene	mg/kg dry wt	0.281	02/28/09	BGL	0.218			
Extraction Date 8270		2/23/2009	02/28/09	BGL				

Analytical Method:
 SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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500 ENTERPRISE DRIVE, SUITE 1A
ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: FACTORY H MERIDEN
Date Received: 2/20/2009
Field Sample #: ME-SB-02 1-2FT

LIMS-BAT #: LIMT-23411
Job Number: 60073489

Sample ID: 09B04960 ‡Sampled: 2/19/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	02/28/09	BGL	0.171			
Acenaphthylene	mg/kg dry wt	ND	02/28/09	BGL	0.171			
Anthracene	mg/kg dry wt	ND	02/28/09	BGL	0.171			
Benzo(a)anthracene	mg/kg dry wt	ND	02/28/09	BGL	0.171			
Benzo(a)pyrene	mg/kg dry wt	ND	02/28/09	BGL	0.171			
Benzo(b)fluoranthene	mg/kg dry wt	ND	02/28/09	BGL	0.171			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	02/28/09	BGL	0.171			
Benzo(k)fluoranthene	mg/kg dry wt	ND	02/28/09	BGL	0.171			
Chrysene	mg/kg dry wt	ND	02/28/09	BGL	0.171			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	02/28/09	BGL	0.171			
Fluoranthene	mg/kg dry wt	ND	02/28/09	BGL	0.171			
Fluorene	mg/kg dry wt	ND	02/28/09	BGL	0.171			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	02/28/09	BGL	0.171			
2-Methylnaphthalene	mg/kg dry wt	ND	02/28/09	BGL	0.171			
Naphthalene	mg/kg dry wt	ND	02/28/09	BGL	0.171			
Phenanthrene	mg/kg dry wt	ND	02/28/09	BGL	0.171			
Pyrene	mg/kg dry wt	ND	02/28/09	BGL	0.171			
Extraction Date 8270		2/23/2009	02/28/09	BGL				

Analytical Method:
SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit

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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: ME-SB-02 8-9FT

LIMS-BAT #: LIMIT-23411
 Job Number: 60073489

Sample ID : 09B04961 ‡Sampled : 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	02/28/09	BGL	0.176			
Acenaphthylene	mg/kg dry wt	ND	02/28/09	BGL	0.176			
Anthracene	mg/kg dry wt	ND	02/28/09	BGL	0.176			
Benzo(a)anthracene	mg/kg dry wt	ND	02/28/09	BGL	0.176			
Benzo(a)pyrene	mg/kg dry wt	ND	02/28/09	BGL	0.176			
Benzo(b)fluoranthene	mg/kg dry wt	ND	02/28/09	BGL	0.176			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	02/28/09	BGL	0.176			
Benzo(k)fluoranthene	mg/kg dry wt	ND	02/28/09	BGL	0.176			
Chrysene	mg/kg dry wt	ND	02/28/09	BGL	0.176			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	02/28/09	BGL	0.176			
Fluoranthene	mg/kg dry wt	ND	02/28/09	BGL	0.176			
Fluorene	mg/kg dry wt	ND	02/28/09	BGL	0.176			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	02/28/09	BGL	0.176			
2-Methylnaphthalene	mg/kg dry wt	ND	02/28/09	BGL	0.176			
Naphthalene	mg/kg dry wt	0.780	02/28/09	BGL	0.176			
Phenanthrene	mg/kg dry wt	ND	02/28/09	BGL	0.176			
Pyrene	mg/kg dry wt	ND	02/28/09	BGL	0.176			
Extraction Date 8270		2/23/2009	02/28/09	BGL				

Analytical Method:
 SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: ME-SB-03 1-2FT

LIMS-BAT #: LIMIT-23411
 Job Number: 60073489

Sample ID: 09B04964 ‡Sampled: 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	02/28/09	BGL	0.184			
Acenaphthylene	mg/kg dry wt	ND	02/28/09	BGL	0.184			
Anthracene	mg/kg dry wt	ND	02/28/09	BGL	0.184			
Benzo(a)anthracene	mg/kg dry wt	0.243	02/28/09	BGL	0.184			
Benzo(a)pyrene	mg/kg dry wt	0.197	02/28/09	BGL	0.184			
Benzo(b)fluoranthene	mg/kg dry wt	0.230	02/28/09	BGL	0.184			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	02/28/09	BGL	0.184			
Benzo(k)fluoranthene	mg/kg dry wt	ND	02/28/09	BGL	0.184			
Chrysene	mg/kg dry wt	0.264	02/28/09	BGL	0.184			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	02/28/09	BGL	0.184			
Fluoranthene	mg/kg dry wt	0.441	02/28/09	BGL	0.184			
Fluorene	mg/kg dry wt	ND	02/28/09	BGL	0.184			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	02/28/09	BGL	0.184			
2-Methylnaphthalene	mg/kg dry wt	ND	02/28/09	BGL	0.184			
Naphthalene	mg/kg dry wt	3.93	02/28/09	BGL	0.184			
Phenanthrene	mg/kg dry wt	0.356	02/28/09	BGL	0.184			
Pyrene	mg/kg dry wt	0.568	02/28/09	BGL	0.184			
Extraction Date 8270		2/23/2009	02/28/09	BGL				

Analytical Method:
 SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: ME-SB-03 7.5-8.5FT

LIMS-BAT #: LIMIT-23411
 Job Number: 60073489

Sample ID: 09B04965 ‡Sampled: 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	02/28/09	BGL	0.193			
Acenaphthylene	mg/kg dry wt	ND	02/28/09	BGL	0.193			
Anthracene	mg/kg dry wt	ND	02/28/09	BGL	0.193			
Benzo(a)anthracene	mg/kg dry wt	ND	02/28/09	BGL	0.193			
Benzo(a)pyrene	mg/kg dry wt	ND	02/28/09	BGL	0.193			
Benzo(b)fluoranthene	mg/kg dry wt	ND	02/28/09	BGL	0.193			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	02/28/09	BGL	0.193			
Benzo(k)fluoranthene	mg/kg dry wt	ND	02/28/09	BGL	0.193			
Chrysene	mg/kg dry wt	ND	02/28/09	BGL	0.193			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	02/28/09	BGL	0.193			
Fluoranthene	mg/kg dry wt	ND	02/28/09	BGL	0.193			
Fluorene	mg/kg dry wt	ND	02/28/09	BGL	0.193			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	02/28/09	BGL	0.193			
2-Methylnaphthalene	mg/kg dry wt	ND	02/28/09	BGL	0.193			
Naphthalene	mg/kg dry wt	9.95	02/28/09	BGL	0.193			
Phenanthrene	mg/kg dry wt	ND	02/28/09	BGL	0.193			
Pyrene	mg/kg dry wt	ND	02/28/09	BGL	0.193			
Extraction Date 8270		2/23/2009	02/28/09	BGL				

Analytical Method:
 SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
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Purchase Order No.:

Project Location: FACTORY H MERIDEN

LIMS-BAT #: LIMIT-23411

Date Received: 2/20/2009

Job Number: 60073489

Field Sample #: ME-SB-04 8-9FT

Sample ID : 09B04967

‡Sampled : 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	02/28/09	BGL	0.186			
Acenaphthylene	mg/kg dry wt	ND	02/28/09	BGL	0.186			
Anthracene	mg/kg dry wt	ND	02/28/09	BGL	0.186			
Benzo(a)anthracene	mg/kg dry wt	ND	02/28/09	BGL	0.186			
Benzo(a)pyrene	mg/kg dry wt	ND	02/28/09	BGL	0.186			
Benzo(b)fluoranthene	mg/kg dry wt	ND	02/28/09	BGL	0.186			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	02/28/09	BGL	0.186			
Benzo(k)fluoranthene	mg/kg dry wt	ND	02/28/09	BGL	0.186			
Chrysene	mg/kg dry wt	ND	02/28/09	BGL	0.186			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	02/28/09	BGL	0.186			
Fluoranthene	mg/kg dry wt	ND	02/28/09	BGL	0.186			
Fluorene	mg/kg dry wt	ND	02/28/09	BGL	0.186			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	02/28/09	BGL	0.186			
2-Methylnaphthalene	mg/kg dry wt	ND	02/28/09	BGL	0.186			
Naphthalene	mg/kg dry wt	1.23	02/28/09	BGL	0.186			
Phenanthrene	mg/kg dry wt	ND	02/28/09	BGL	0.186			
Pyrene	mg/kg dry wt	ND	02/28/09	BGL	0.186			
Extraction Date 8270		2/23/2009	02/28/09	BGL				

Analytical Method:
 SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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 AECOM - ROCKY HILL, CT
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Purchase Order No.:

Project Location: FACTORY H MERIDEN

LIMS-BAT #: LIMIT-23411

Date Received: 2/20/2009

Job Number: 60073489

Field Sample #: ME-SB-05 5.5-6FT

Sample ID: 09B04969

‡Sampled: 2/19/2009

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	02/28/09	BGL	0.236			
Acenaphthylene	mg/kg dry wt	ND	02/28/09	BGL	0.236			
Anthracene	mg/kg dry wt	ND	02/28/09	BGL	0.236			
Benzo(a)anthracene	mg/kg dry wt	ND	02/28/09	BGL	0.236			
Benzo(a)pyrene	mg/kg dry wt	ND	02/28/09	BGL	0.236			
Benzo(b)fluoranthene	mg/kg dry wt	ND	02/28/09	BGL	0.236			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	02/28/09	BGL	0.236			
Benzo(k)fluoranthene	mg/kg dry wt	ND	02/28/09	BGL	0.236			
Chrysene	mg/kg dry wt	ND	02/28/09	BGL	0.236			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	02/28/09	BGL	0.236			
Fluoranthene	mg/kg dry wt	ND	02/28/09	BGL	0.236			
Fluorene	mg/kg dry wt	ND	02/28/09	BGL	0.236			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	02/28/09	BGL	0.236			
2-Methylnaphthalene	mg/kg dry wt	ND	02/28/09	BGL	0.236			
Naphthalene	mg/kg dry wt	ND	02/28/09	BGL	0.236			
Phenanthrene	mg/kg dry wt	ND	02/28/09	BGL	0.236			
Pyrene	mg/kg dry wt	0.322	02/28/09	BGL	0.236			
Extraction Date 8270		2/23/2009	02/28/09	BGL				

Analytical Method:

SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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 AECOM - ROCKY HILL, CT
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Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 2/20/2009
 Field Sample #: ME-MW-02 13-14FT

LIMS-BAT #: LIMT-23411
 Job Number: 60073489

Sample ID: 09B04963 ‡Sampled : 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Solids, total	%	87.7	02/26/09	FD				

Field Sample #: ME-MW-02 4.5-5FT

Sample ID: 09B04962 ‡Sampled : 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Solids, total	%	98.6	02/26/09	FD				

Field Sample #: ME-SB-01 0.5-1.5FT

Sample ID: 09B04958 ‡Sampled : 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Solids, total	%	94.5	02/26/09	FD				

Field Sample #: ME-SB-01 8-9FT

Sample ID: 09B04959 ‡Sampled : 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Solids, total	%	76.5	02/26/09	FD				

Field Sample #: ME-SB-02 1-2FT

Sample ID: 09B04960 ‡Sampled : 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Solids, total	%	98.0	02/26/09	FD				

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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Purchase Order No.:

Project Location: FACTORY H MERIDEN

LIMS-BAT #: LIMIT-23411

Date Received: 2/20/2009

Job Number: 60073489

Field Sample #: ME-SB-02 8-9FT

Sample ID: 09B04961

‡Sampled: 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Solids, total	%	95.2	02/26/09	FD				

Field Sample #: ME-SB-03 1-2FT

Sample ID: 09B04964

‡Sampled: 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Solids, total	%	90.7	02/26/09	FD				

Field Sample #: ME-SB-03 7.5-8.5FT

Sample ID: 09B04965

‡Sampled: 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Solids, total	%	86.6	02/26/09	FD				

Field Sample #: ME-SB-04 0-1FT

Sample ID: 09B04966

‡Sampled: 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Solids, total	%	96.8	02/26/09	FD				

Field Sample #: ME-SB-04 8-9FT

Sample ID: 09B04967

‡Sampled: 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Solids, total	%	89.7	02/26/09	FD				

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled



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S. PERHALA/J BONDOS
AECOM - ROCKY HILL, CT
500 ENTERPRISE DRIVE, SUITE 1A
ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: FACTORY H MERIDEN
Date Received: 2/20/2009
Field Sample #: ME-SB-05 0.5-1.5FT

LIMS-BAT #: LIMIT-23411
Job Number: 60073489

Sample ID : 09B04968 ‡Sampled : 2/19/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Solids, total	%	98.2	02/26/09	FD				

Field Sample #: ME-SB-05 5.5-6FT

Sample ID : 09B04969 ‡Sampled : 2/19/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Solids, total	%	70.7	02/26/09	FD				

Analytical Method:

SM 2540G

PERCENT OF SAMPLE REMAINING AFTER DRYING OVERNIGHT AT 103-105 DEGREES CENTIGRADE.

RL = Reporting Limit

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Purchase Order No.:

Project Location: FACTORY H MERIDEN
Date Received: 2/20/2009

LIMS-BAT #: LIMIT-23411
Job Number: 60073489

** END OF REPORT **

RL = Reporting Limit

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NM = Not Measured

* = See end of report for comments and notes applying to this sample

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

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QC Batch Number: BATCH-16114

Sample Id	Analysis	QC Analysis	Values	Units	Limits	
09B04971	Silver	Sample Amount	<2.50	ug/L		
		Matrix Spk Amt Added	500.00	ug/L		
		MS Amt Measured	458.40	ug/L		
		Matrix Spike % Rec.	91.68	%	75-125	
	Arsenic	Sample Amount	<2.00	ug/L		
		Matrix Spk Amt Added	500.00	ug/L		
		MS Amt Measured	477.53	ug/L		
		Matrix Spike % Rec.	95.50	%	75-125	
	Barium	Sample Amount	<250.	ug/L		
		Matrix Spk Amt Added	500.00	ug/L		
		MS Amt Measured	450.14	ug/L		
		Matrix Spike % Rec.	90.02	%	75-125	
Beryllium	Sample Amount	<2.00	ug/L			
	Matrix Spk Amt Added	500.00	ug/L			
	MS Amt Measured	431.50	ug/L			
	Matrix Spike % Rec.	86.30	%	75-125		
Cadmium	Sample Amount	<2.50	ug/L			
	Matrix Spk Amt Added	500.00	ug/L			
	MS Amt Measured	458.47	ug/L			
	Matrix Spike % Rec.	91.69	%	75-125		
Chromium	Sample Amount	<50.0	ug/L			
	Matrix Spk Amt Added	500.00	ug/L			
	MS Amt Measured	450.89	ug/L			
	Matrix Spike % Rec.	90.17	%	75-125		
Copper	Sample Amount	<25.0	ug/L			
	Matrix Spk Amt Added	500.00	ug/L			
	MS Amt Measured	447.27	ug/L			
	Matrix Spike % Rec.	89.45	%	75-125		
Nickel	Sample Amount	<25.0	ug/L			
	Matrix Spk Amt Added	500.00	ug/L			
	MS Amt Measured	443.89	ug/L			
	Matrix Spike % Rec.	88.77	%	75-125		
Lead	Sample Amount	<5.00	ug/L			
	Matrix Spk Amt Added	500.00	ug/L			
	MS Amt Measured	472.91	ug/L			
	Matrix Spike % Rec.	94.58	%	75-125		
Antimony	Sample Amount	<5.00	ug/L			
	Matrix Spk Amt Added	500.00	ug/L			
	MS Amt Measured	460.55	ug/L			
	Matrix Spike % Rec.	92.11	%	75-125		
Selenium	Sample Amount	<25.0	ug/L			
	Matrix Spk Amt Added	500.00	ug/L			
	MS Amt Measured	458.94	ug/L			



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Method Blanks

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QC Batch Number: BATCH-16114

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B04971	Selenium	Matrix Spike % Rec.	91.78	%	75-125
	Thallium	Sample Amount	<1.00	ug/L	
		Matrix Spk Amt Added	500.00	ug/L	
		MS Amt Measured	450.26	ug/L	
	Vanadium	Matrix Spike % Rec.	90.05	%	75-125
		Sample Amount	<25.0	ug/L	
		Matrix Spk Amt Added	500.00	ug/L	
		MS Amt Measured	446.43	ug/L	
	Zinc	Matrix Spike % Rec.	89.28	%	75-125
		Sample Amount	<100.	ug/L	
		Matrix Spk Amt Added	500.00	ug/L	
		MS Amt Measured	509.79	ug/L	
		Matrix Spike % Rec.	101.95	%	75-125
BLANK-130000	Silver	Blank	<2.50	ug/L	
	Arsenic	Blank	<2.00	ug/L	
	Barium	Blank	<250.	ug/L	
	Beryllium	Blank	<2.00	ug/L	
	Cadmium	Blank	<2.50	ug/L	
	Chromium	Blank	<50.0	ug/L	
	Copper	Blank	<25.0	ug/L	
	Nickel	Blank	<25.0	ug/L	
	Lead	Blank	<5.00	ug/L	
	Antimony	Blank	<5.00	ug/L	
	Selenium	Blank	<25.0	ug/L	
	Thallium	Blank	<1.00	ug/L	
	Vanadium	Blank	<25.0	ug/L	
	Zinc	Blank	<100.	ug/L	
LFBLANK-92139	Silver	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	488.25	ug/L	
		Lab Fort Blk. % Rec.	97.65	%	80-120
	Arsenic	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	482.25	ug/L	
		Lab Fort Blk. % Rec.	96.45	%	80-120
	Barium	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	455.12	ug/L	
		Lab Fort Blk. % Rec.	91.02	%	80-120
	Beryllium	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	425.03	ug/L	
		Lab Fort Blk. % Rec.	85.00	%	80-120
	Cadmium	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	453.57	ug/L	



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QC SUMMARY REPORT

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Method Blanks

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QC Batch Number: BATCH-16114

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92139	Cadmium	Lab Fort Blk. % Rec.	90.71	%	80-120
		Lab Fort Blank Amt.	500.00	ug/L	
	Chromium	Lab Fort Blk. Found	457.06	ug/L	80-120
		Lab Fort Blk. % Rec.	91.41	%	
	Copper	Lab Fort Blank Amt.	500.00	ug/L	80-120
		Lab Fort Blk. Found	454.44	ug/L	
	Nickel	Lab Fort Blk. % Rec.	90.88	%	80-120
		Lab Fort Blank Amt.	500.00	ug/L	
	Lead	Lab Fort Blk. Found	442.83	ug/L	80-120
		Lab Fort Blk. % Rec.	88.56	%	
	Antimony	Lab Fort Blank Amt.	500.00	ug/L	80-120
		Lab Fort Blk. Found	461.85	ug/L	
	Selenium	Lab Fort Blk. % Rec.	92.37	%	80-120
		Lab Fort Blank Amt.	500.00	ug/L	
	Thallium	Lab Fort Blk. Found	461.37	ug/L	80-120
		Lab Fort Blk. % Rec.	92.27	%	
	Vanadium	Lab Fort Blank Amt.	500.00	ug/L	80-120
		Lab Fort Blk. Found	453.15	ug/L	
Zinc	Lab Fort Blk. % Rec.	90.63	%	80-120	
	Lab Fort Blank Amt.	500.00	ug/L		
	Lab Fort Blk. Found	449.62	ug/L	80-120	
	Lab Fort Blk. % Rec.	89.92	%		
	Lab Fort Blank Amt.	500.00	ug/L	80-120	
	Lab Fort Blk. Found	466.61	ug/L		
	Lab Fort Blk. % Rec.	93.32	%	80-120	



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QC Batch Number: CYANIDE-3225

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B04964	Cyanide	Sample Amount	<0.81	mg/kg dry wt	
		Matrix Spk Amt Added	14.447	mg/kg dry wt	
		MS Amt Measured	12.622	mg/kg dry wt	
		Matrix Spike % Rec.	87.365	%	
		MSD Amount Added	13.853	mg/kg dry wt	
		MSD Amt Measured	12.624	mg/kg dry wt	
		MSD % Recovery	91.129	%	
		MSD Range	3.763	units	
		MS Duplicate RPD	0.016	%	
BLANK-129950	Cyanide	Blank	<0.96	mg/kg dry wt	
LFBLANK-92084	Cyanide	Lab Fort Blank Amt.	29.099	mg/kg dry wt	
		Lab Fort Blk. Found	26.428	mg/kg dry wt	
		Lab Fort Blk. % Rec.	90.820	%	
STDADD-35294	Cyanide	Standard Measured	15.398	mg/kg dry wt	
		Standard Amt Added	18.478	mg/kg dry wt	
		Standard % Recovery	83.333	%	



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QC SUMMARY REPORT

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QC Batch Number: CYANIDE-3226

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B04971	Cyanide	Sample Amount	<0.010	mg/l	
		Matrix Spk Amt Added	0.372	mg/l	
		MS Amt Measured	0.334	mg/l	
		Matrix Spike % Rec.	89.784	%	75-125
		MSD Amount Added	0.372	mg/l	
		MSD Amt Measured	0.355	mg/l	
		MSD % Recovery	95.430	%	
		MSD Range	5.645	units	
		MS Duplicate RPD	6.095	%	20 Max.
BLANK-129955	Cyanide	Blank	<0.010	mg/l	
LFBLANK-92088	Cyanide	Lab Fort Blank Amt.	0.719	mg/l	
		Lab Fort Blk. Found	0.632	mg/l	
		Lab Fort Blk. % Rec.	87.899	%	
STDADD-35295	Cyanide	Standard Measured	0.349	mg/l	
		Standard Amt Added	0.372	mg/l	
		Standard % Recovery	93.817	%	80-120



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QC Batch Number: GC/FID-23150

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B04958	Terphenyl	Surrogate Recovery	100.0	%	50-150
09B04959	Terphenyl	Surrogate Recovery	85.0	%	50-150
09B04960	Extractable TPH (ETPH)	Sample Amount	<11.	mg/kg dry weig	
		Matrix Spk Amt Added	34.0	mg/kg dry weig	
		MS Amt Measured	33.1	mg/kg dry weig	
		Matrix Spike % Rec.	97.4	%	50-150
		MSD Amount Added	34.0	mg/kg dry weig	
		MSD Amt Measured	33.2	mg/kg dry weig	
		MSD % Recovery	97.8	%	50-150
		MSD Range	0.3	units	
		MS Duplicate RPD	0.4	%	0-30
	Terphenyl	Surrogate Recovery	92.0	%	50-150
09B04961	Terphenyl	Surrogate Recovery	97.0	%	50-150
09B04962	Terphenyl	Surrogate Recovery	95.0	%	50-150
09B04963	Extractable TPH (ETPH)	Sample Amount	<12.	mg/kg dry weig	
		Matrix Spk Amt Added	38.0	mg/kg dry weig	
		MS Amt Measured	33.0	mg/kg dry weig	
		Matrix Spike % Rec.	87.0	%	50-150
		MSD Amount Added	38.0	mg/kg dry weig	
		MSD Amt Measured	39.6	mg/kg dry weig	
		MSD % Recovery	104.2	%	50-150
		MSD Range	17.2	units	
		MS Duplicate RPD	17.9	%	0-30
	Terphenyl	Surrogate Recovery	77.0	%	50-150
09B04964	Terphenyl	Surrogate Recovery	100.0	%	50-150
09B04965	Terphenyl	Surrogate Recovery	75.0	%	50-150
09B04966	Terphenyl	Surrogate Recovery	85.0	%	50-150
09B04967	Terphenyl	Surrogate Recovery	83.0	%	50-150
09B04968	Terphenyl	Surrogate Recovery	76.0	%	50-150
09B04969	Terphenyl	Surrogate Recovery	95.0	%	50-150
BLANK-129887	Extractable TPH (ETPH)	Blank	<10.	mg/kg dry weig	



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QC Batch Number: GC/FID-23150

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92015	Extractable TPH (ETPH)	Lab Fort Blank Amt.	33.3	mg/kg dry weig	
		Lab Fort Blk. Found	29.5	mg/kg dry weig	
		Lab Fort Blk. % Rec.	88.5	%	60-120
		Dup Lab Fort Bl Amt.	33.3	mg/kg dry weig	
		Dup Lab Fort Bl. Fnd	29.9	mg/kg dry weig	
		Dup Lab Fort Bl %Rec	89.9	%	
		Lab Fort Blank Range	1.4	units	
		Lab Fort Bl. Av. Rec	89.2	%	
		LFB Duplicate RPD	1.5	%	



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QC SUMMARY REPORT

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QC Batch Number: GC/FID-23160

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B04971	Terphenyl	Surrogate Recovery	113.0	%	50-150
BLANK-129948	Extractable TPH (ETPH)	Blank	<0.075	mg/l	
LFBLANK-92081	Extractable TPH (ETPH)	Lab Fort Blank Amt.	1.000	mg/l	
		Lab Fort Blk. Found	0.770	mg/l	
		Lab Fort Blk. % Rec.	77.000	%	60-120
		Dup Lab Fort Bl Amt.	1.000	mg/l	
		Dup Lab Fort Bl. Fnd	0.804	mg/l	
		Dup Lab Fort Bl %Rec	80.400	%	
		Lab Fort Blank Range	3.400	units	
		Lab Fort Bl. Av. Rec	78.700	%	
		LFB Duplicate RPD	4.320	%	



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QC Batch Number: GCMS/SEMI-11960

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B04971	Nitrobenzene-d5	Surrogate Recovery	102.0	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	73.0	%	30-130
	Terphenyl-d14	Surrogate Recovery	66.0	%	30-130
BLANK-129993	Naphthalene	Blank	<1.00	ug/l	
	Acenaphthene	Blank	<0.30	ug/l	
	Acenaphthylene	Blank	<0.30	ug/l	
	Anthracene	Blank	<0.20	ug/l	
	Benzo(a)anthracene	Blank	<0.050	ug/l	
	Benzo(a)pyrene	Blank	<0.100	ug/l	
	Benzo(b)fluoranthene	Blank	<0.050	ug/l	
	Benzo(g,h,i)perylene	Blank	<0.500	ug/l	
	Chrysene	Blank	<0.20	ug/l	
	Dibenz(a,h)anthracene	Blank	<0.200	ug/l	
	Fluoranthene	Blank	<0.50	ug/l	
	Fluorene	Blank	<1.00	ug/l	
	Indeno(1,2,3-cd)pyrene	Blank	<0.200	ug/l	
	2-Methylnaphthalene	Blank	<1.00	ug/l	
	Phenanthrene	Blank	<0.05	ug/l	
	Pyrene	Blank	<1.00	ug/l	
	Benzo(k)fluoranthene	Blank	<0.200	ug/l	
LFBLANK-92129	Naphthalene	Lab Fort Blank Amt.	2.00	ug/l	
		Lab Fort Blk. Found	1.90	ug/l	
		Lab Fort Blk. % Rec.	95.00	%	40-140
	Acenaphthene	Lab Fort Blank Amt.	2.00	ug/l	
		Lab Fort Blk. Found	1.80	ug/l	
		Lab Fort Blk. % Rec.	90.00	%	40-140
	Acenaphthylene	Lab Fort Blank Amt.	2.00	ug/l	
		Lab Fort Blk. Found	1.86	ug/l	
		Lab Fort Blk. % Rec.	93.00	%	40-140
	Anthracene	Lab Fort Blank Amt.	2.00	ug/l	
		Lab Fort Blk. Found	1.83	ug/l	
		Lab Fort Blk. % Rec.	91.50	%	40-140
	Benzo(a)anthracene	Lab Fort Blank Amt.	2.000	ug/l	
		Lab Fort Blk. Found	1.950	ug/l	
		Lab Fort Blk. % Rec.	97.500	%	40-140
	Benzo(a)pyrene	Lab Fort Blank Amt.	2.000	ug/l	
		Lab Fort Blk. Found	2.240	ug/l	
		Lab Fort Blk. % Rec.	112.000	%	40-140
	Benzo(b)fluoranthene	Lab Fort Blank Amt.	2.000	ug/l	
		Lab Fort Blk. Found	2.000	ug/l	
		Lab Fort Blk. % Rec.	100.000	%	40-140



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QC Batch Number: GCMS/SEMI-11960

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92129	Benzo(g,h,i)perylene	Lab Fort Blank Amt.	2.000	ug/l	
		Lab Fort Blk. Found	1.980	ug/l	
		Lab Fort Blk. % Rec.	99.000	%	40-140
	Chrysene	Lab Fort Blank Amt.	2.00	ug/l	
		Lab Fort Blk. Found	1.80	ug/l	
		Lab Fort Blk. % Rec.	90.00	%	40-140
	Dibenz(a,h)anthracene	Lab Fort Blank Amt.	2.000	ug/l	
		Lab Fort Blk. Found	1.800	ug/l	
		Lab Fort Blk. % Rec.	90.000	%	40-140
	Fluoranthene	Lab Fort Blank Amt.	2.00	ug/l	
		Lab Fort Blk. Found	1.80	ug/l	
		Lab Fort Blk. % Rec.	90.00	%	40-140
	Fluorene	Lab Fort Blank Amt.	2.00	ug/l	
		Lab Fort Blk. Found	1.90	ug/l	
		Lab Fort Blk. % Rec.	95.00	%	40-140
	Indeno(1,2,3-cd)pyrene	Lab Fort Blank Amt.	2.000	ug/l	
		Lab Fort Blk. Found	1.850	ug/l	
		Lab Fort Blk. % Rec.	92.500	%	40-140
	2-Methylnaphthalene	Lab Fort Blank Amt.	2.00	ug/l	
		Lab Fort Blk. Found	1.81	ug/l	
		Lab Fort Blk. % Rec.	90.50	%	40-140
	Phenanthrene	Lab Fort Blank Amt.	2.00	ug/l	
		Lab Fort Blk. Found	1.84	ug/l	
		Lab Fort Blk. % Rec.	92.00	%	40-140
Pyrene	Lab Fort Blank Amt.	2.00	ug/l		
	Lab Fort Blk. Found	1.97	ug/l		
	Lab Fort Blk. % Rec.	98.50	%	40-140	
Benzo(k)fluoranthene	Lab Fort Blank Amt.	2.000	ug/l		
	Lab Fort Blk. Found	1.880	ug/l		
	Lab Fort Blk. % Rec.	94.000	%	40-140	



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QC Batch Number: GCMS/SEM-11977

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B04958	Nitrobenzene-d5	Surrogate Recovery	65.6	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	67.4	%	30-130
	Terphenyl-d14	Surrogate Recovery	80.8	%	30-130
09B04959	Nitrobenzene-d5	Surrogate Recovery	64.7	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	66.2	%	30-130
	Terphenyl-d14	Surrogate Recovery	77.6	%	30-130
09B04960	Nitrobenzene-d5	Surrogate Recovery	66.0	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	67.0	%	30-130
	Terphenyl-d14	Surrogate Recovery	96.6	%	30-130
09B04961	Nitrobenzene-d5	Surrogate Recovery	62.5	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	68.8	%	30-130
	Terphenyl-d14	Surrogate Recovery	83.3	%	30-130
09B04962	Nitrobenzene-d5	Surrogate Recovery	52.4	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	55.0	%	30-130
	Terphenyl-d14	Surrogate Recovery	75.6	%	30-130
09B04963	Nitrobenzene-d5	Surrogate Recovery	65.4	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	66.6	%	30-130
	Terphenyl-d14	Surrogate Recovery	122.9	%	30-130
09B04964	Nitrobenzene-d5	Surrogate Recovery	73.7	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	75.1	%	30-130
	Terphenyl-d14	Surrogate Recovery	120.1	%	30-130
09B04965	Nitrobenzene-d5	Surrogate Recovery	70.3	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	70.7	%	30-130
	Terphenyl-d14	Surrogate Recovery	101.8	%	30-130
09B04966	Nitrobenzene-d5	Surrogate Recovery	65.5	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	68.3	%	30-130
	Terphenyl-d14	Surrogate Recovery	101.2	%	30-130
09B04967	Nitrobenzene-d5	Surrogate Recovery	66.4	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	69.3	%	30-130
	Terphenyl-d14	Surrogate Recovery	111.5	%	30-130
09B04968	Nitrobenzene-d5	Surrogate Recovery	62.5	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	64.8	%	30-130
	Terphenyl-d14	Surrogate Recovery	91.4	%	30-130



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Sample Matrix Spikes and Matrix Spike Duplicates

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Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B04969	Nitrobenzene-d5	Surrogate Recovery	61.4	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	58.0	%	30-130
	Terphenyl-d14	Surrogate Recovery	83.2	%	30-130
BLANK-130178	Naphthalene	Blank	<0.167	mg/kg dry wt	
	Acenaphthene	Blank	<0.167	mg/kg dry wt	
	Acenaphthylene	Blank	<0.167	mg/kg dry wt	
	Anthracene	Blank	<0.167	mg/kg dry wt	
	Benzo(a)anthracene	Blank	<0.167	mg/kg dry wt	
	Benzo(a)pyrene	Blank	<0.167	mg/kg dry wt	
	Benzo(b)fluoranthene	Blank	<0.167	mg/kg dry wt	
	Benzo(g,h,i)perylene	Blank	<0.167	mg/kg dry wt	
	Chrysene	Blank	<0.167	mg/kg dry wt	
	Dibenz(a,h)anthracene	Blank	<0.167	mg/kg dry wt	
	Fluoranthene	Blank	<0.167	mg/kg dry wt	
	Fluorene	Blank	<0.167	mg/kg dry wt	
	Indeno(1,2,3-cd)pyrene	Blank	<0.167	mg/kg dry wt	
	2-Methylnaphthalene	Blank	<0.167	mg/kg dry wt	
	Phenanthrene	Blank	<0.167	mg/kg dry wt	
	Pyrene	Blank	<0.167	mg/kg dry wt	
Benzo(k)fluoranthene	Blank	<0.167	mg/kg dry wt		
LFBLANK-92332	Naphthalene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.110	mg/kg dry wt	
		Lab Fort Blk. % Rec.	66.619	%	40-140
	Acenaphthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.124	mg/kg dry wt	
		Lab Fort Blk. % Rec.	67.459	%	40-140
	Acenaphthylene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.113	mg/kg dry wt	
		Lab Fort Blk. % Rec.	66.799	%	40-140
	Anthracene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.132	mg/kg dry wt	
		Lab Fort Blk. % Rec.	67.960	%	40-140
	Benzo(a)anthracene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.080	mg/kg dry wt	
		Lab Fort Blk. % Rec.	64.819	%	40-140
	Benzo(a)pyrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.160	mg/kg dry wt	
		Lab Fort Blk. % Rec.	69.599	%	40-140
	Benzo(b)fluoranthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.174	mg/kg dry wt	
		Lab Fort Blk. % Rec.	70.480	%	40-140



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Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92332	Benzo(g,h,i)perylene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.857	mg/kg dry wt	
		Lab Fort Blk. % Rec.	51.419	%	40-140
	Chrysene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.055	mg/kg dry wt	
		Lab Fort Blk. % Rec.	63.340	%	40-140
	Dibenz(a,h)anthracene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.914	mg/kg dry wt	
		Lab Fort Blk. % Rec.	54.879	%	40-140
	Fluoranthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.200	mg/kg dry wt	
		Lab Fort Blk. % Rec.	72.040	%	40-140
	Fluorene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.084	mg/kg dry wt	
		Lab Fort Blk. % Rec.	65.080	%	40-140
	Indeno(1,2,3-cd)pyrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.939	mg/kg dry wt	
		Lab Fort Blk. % Rec.	56.339	%	40-140
	2-Methylnaphthalene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.985	mg/kg dry wt	
		Lab Fort Blk. % Rec.	59.099	%	40-140
	Phenanthrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.146	mg/kg dry wt	
		Lab Fort Blk. % Rec.	68.759	%	40-140
	Pyrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.843	mg/kg dry wt	
		Lab Fort Blk. % Rec.	50.619	%	40-140
	Benzo(k)fluoranthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.327	mg/kg dry wt	
		Lab Fort Blk. % Rec.	79.639	%	40-140



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QC Batch Number: GCMS/VOL-21555

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B04970	1,2-Dichloroethane-d4	Surrogate Recovery	94.720	%	70-130
	Toluene-d8	Surrogate Recovery	94.360	%	70-130
	Bromofluorobenzene	Surrogate Recovery	94.880	%	70-130
BLANK-129829	Acetone	Blank	<0.10	mg/kg	
	Benzene	Blank	<0.002	mg/kg	
	Carbon Tetrachloride	Blank	<0.002	mg/kg	
	Chloroform	Blank	<0.004	mg/kg	
	1,2-Dichloroethane	Blank	<0.002	mg/kg	
	1,4-Dichlorobenzene	Blank	<0.002	mg/kg	
	Ethyl Benzene	Blank	<0.002	mg/kg	
	2-Butanone (MEK)	Blank	<0.040	mg/kg	
	MIBK	Blank	<0.020	mg/kg	
	Naphthalene	Blank	<0.004	mg/kg	
	Styrene	Blank	<0.002	mg/kg	
	Tetrachloroethylene	Blank	<0.002	mg/kg	
	Toluene	Blank	<0.002	mg/kg	
	1,1,1-Trichloroethane	Blank	<0.002	mg/kg	
	Trichloroethylene	Blank	<0.002	mg/kg	
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Blank	<0.010	mg/kg	
	Trichlorofluoromethane	Blank	<0.010	mg/kg	
	o-Xylene	Blank	<0.002	mg/kg	
	m + p Xylene	Blank	<0.004	mg/kg	
	1,2-Dichlorobenzene	Blank	<0.002	mg/kg	
	1,3-Dichlorobenzene	Blank	<0.002	mg/kg	
	1,1-Dichloroethane	Blank	<0.002	mg/kg	
	1,1-Dichloroethylene	Blank	<0.004	mg/kg	
	1,4-Dioxane	Blank	<0.10	mg/kg	
	MTBE	Blank	<0.004	mg/kg	
	trans-1,2-Dichloroethylene	Blank	<0.002	mg/kg	
	Vinyl Chloride	Blank	<0.010	mg/kg	
	Methylene Chloride	Blank	<0.020	mg/kg	
	Chlorobenzene	Blank	<0.002	mg/kg	
	Chloromethane	Blank	<0.010	mg/kg	
	Bromomethane	Blank	<0.010	mg/kg	
	Chloroethane	Blank	<0.020	mg/kg	
	cis-1,3-Dichloropropene	Blank	<0.001	mg/kg	
	trans-1,3-Dichloropropene	Blank	<0.001	mg/kg	
	Chlorodibromomethane	Blank	<0.001	mg/kg	
	1,1,2-Trichloroethane	Blank	<0.002	mg/kg	
	Bromoform	Blank	<0.002	mg/kg	
	1,1,2,2-Tetrachloroethane	Blank	<0.001	mg/kg	
	2-Chlorotoluene	Blank	<0.002	mg/kg	



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Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-129829	Hexachlorobutadiene	Blank	<0.002	mg/kg	
	Isopropylbenzene	Blank	<0.002	mg/kg	
	p-Isopropyltoluene	Blank	<0.002	mg/kg	
	n-Propylbenzene	Blank	<0.002	mg/kg	
	sec-Butylbenzene	Blank	<0.002	mg/kg	
	fert-Butylbenzene	Blank	<0.002	mg/kg	
	1,2,3-Trichlorobenzene	Blank	<0.002	mg/kg	
	1,2,4-Trichlorobenzene	Blank	<0.002	mg/kg	
	1,2,4-Trimethylbenzene	Blank	<0.002	mg/kg	
	1,3,5-Trimethylbenzene	Blank	<0.002	mg/kg	
	Dibromomethane	Blank	<0.002	mg/kg	
	cis-1,2-Dichloroethylene	Blank	<0.002	mg/kg	
	4-Chlorotoluene	Blank	<0.002	mg/kg	
	1,1-Dichloropropene	Blank	<0.002	mg/kg	
	1,2-Dichloropropane	Blank	<0.002	mg/kg	
	1,3-Dichloropropane	Blank	<0.001	mg/kg	
	2,2-Dichloropropane	Blank	<0.002	mg/kg	
	1,1,1,2-Tetrachloroethane	Blank	<0.002	mg/kg	
	1,2,3-Trichloropropane	Blank	<0.002	mg/kg	
	n-Butylbenzene	Blank	<0.002	mg/kg	
	Dichlorodifluoromethane	Blank	<0.020	mg/kg	
	Bromochloromethane	Blank	<0.002	mg/kg	
	Bromobenzene	Blank	<0.002	mg/kg	
	Acrylonitrile	Blank	<0.006	mg/kg	
	Carbon Disulfide	Blank	<0.006	mg/kg	
	2-Hexanone	Blank	<0.020	mg/kg	
	trans-1,4-Dichloro-2-Butene	Blank	<0.004	mg/kg	
	Diethyl Ether	Blank	<0.020	mg/kg	
	Bromodichloromethane	Blank	<0.002	mg/kg	
	1,2-Dibromo-3-Chloropropane	Blank	<0.002	mg/kg	
	1,2-Dibromoethane	Blank	<0.001	mg/kg	
	Tetrahydrofuran	Blank	<0.010	mg/kg	
	tert-Butyl Alcohol	Blank	<0.040	mg/kg	
	Diisopropyl Ether	Blank	<0.020	mg/kg	
	tert-Butylethyl Ether	Blank	<0.001	mg/kg	
	tert-Amylmethyl Ether	Blank	<0.001	mg/kg	
	1,3,5-Trichlorobenzene	Blank	<0.002	mg/kg	

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QC Batch Number: GCMS/VOL-21558

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B04958	1,2-Dichloroethane-d4	Surrogate Recovery	99.160	%	70-130
	Toluene-d8	Surrogate Recovery	94.720	%	70-130
	Bromofluorobenzene	Surrogate Recovery	96.880	%	70-130
09B04959	Acetone	Sample Amount	<0.13	mg/kg dry wt	
		Matrix Spk Amt Added	0.241	mg/kg dry wt	
		MS Amt Measured	0.443	mg/kg dry wt	
		Matrix Spike % Rec.	183.480	%	70-130
	Benzene	Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.026	mg/kg dry wt	
		Matrix Spike % Rec.	103.500	%	70-130
	Carbon Tetrachloride	Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.028	mg/kg dry wt	
		Matrix Spike % Rec.	118.800	%	70-130
	Chloroform	Sample Amount	<0.005	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.026	mg/kg dry wt	
		Matrix Spike % Rec.	108.900	%	70-130
	1,2-Dichloroethane	Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.031	mg/kg dry wt	
		Matrix Spike % Rec.	130.500	%	70-130
	1,4-Dichlorobenzene	Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.027	mg/kg dry wt	
		Matrix Spike % Rec.	112.000	%	70-130
	Ethyl Benzene	Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.029	mg/kg dry wt	
		Matrix Spike % Rec.	123.900	%	70-130
2-Butanone (MEK)	Sample Amount	<0.049	mg/kg dry wt		
	Matrix Spk Amt Added	0.241	mg/kg dry wt		
	MS Amt Measured	0.276	mg/kg dry wt		
	Matrix Spike % Rec.	114.260	%	70-130	
MIBK	Sample Amount	<0.025	mg/kg dry wt		
	Matrix Spk Amt Added	0.241	mg/kg dry wt		
	MS Amt Measured	0.262	mg/kg dry wt		
	Matrix Spike % Rec.	108.680	%	70-130	
Naphthalene	Sample Amount	<0.005	mg/kg dry wt		
	Matrix Spk Amt Added	0.024	mg/kg dry wt		
	MS Amt Measured	0.021	mg/kg dry wt		

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QC Batch Number: GCMS/VOL-21556

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B04959	Naphthalene	Matrix Spike % Rec.	89.999	%	70-130
	Styrene	Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.029	mg/kg dry wt	
		Matrix Spike % Rec.	122.900	%	70-130
	Tetrachloroethylene	Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.030	mg/kg dry wt	
		Matrix Spike % Rec.	127.200	%	70-130
	Toluene	Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.027	mg/kg dry wt	
		Matrix Spike % Rec.	114.000	%	70-130
	1,1,1-Trichloroethane	Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.029	mg/kg dry wt	
		Matrix Spike % Rec.	120.300	%	70-130
	Trichloroethylene	Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.029	mg/kg dry wt	
		Matrix Spike % Rec.	120.800	%	70-130
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Sample Amount	<0.013	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.034	mg/kg dry wt	
		Matrix Spike % Rec.	144.000	%	70-130
	Trichlorofluoromethane	Sample Amount	<0.013	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.035	mg/kg dry wt	
		Matrix Spike % Rec.	145.700	%	70-130
	o-Xylene	Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.028	mg/kg dry wt	
		Matrix Spike % Rec.	117.400	%	70-130
	m + p Xylene	Sample Amount	<0.005	mg/kg dry wt	
		Matrix Spk Amt Added	0.048	mg/kg dry wt	
		MS Amt Measured	0.058	mg/kg dry wt	
		Matrix Spike % Rec.	121.450	%	70-130
	1,2-Dichlorobenzene	Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.027	mg/kg dry wt	
		Matrix Spike % Rec.	115.000	%	70-130
	1,3-Dichlorobenzene	Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	

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Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B04959	1,3-Dichlorobenzene	MS Amt Measured	0.028	mg/kg dry wt	
		Matrix Spike % Rec.	118.100	%	70-130
	1,1-Dichloroethane	Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.025	mg/kg dry wt	
		Matrix Spike % Rec.	104.500	%	70-130
	1,1-Dichloroethylene	Sample Amount	<0.005	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.028	mg/kg dry wt	
		Matrix Spike % Rec.	117.600	%	70-130
	1,4-Dioxane	Sample Amount	<0.13	mg/kg dry wt	
		Matrix Spk Amt Added	0.241	mg/kg dry wt	
		MS Amt Measured	0.234	mg/kg dry wt	
		Matrix Spike % Rec.	96.890	%	70-130
	MTBE	Sample Amount	<0.005	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.026	mg/kg dry wt	
		Matrix Spike % Rec.	110.300	%	70-130
	trans-1,2-Dichloroethylene	Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.026	mg/kg dry wt	
		Matrix Spike % Rec.	109.500	%	70-130
	Vinyl Chloride	Sample Amount	<0.013	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.024	mg/kg dry wt	
		Matrix Spike % Rec.	99.800	%	70-130
	Methylene Chloride	Sample Amount	<0.025	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.027	mg/kg dry wt	
		Matrix Spike % Rec.	115.600	%	70-130
	Chlorobenzene	Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.029	mg/kg dry wt	
		Matrix Spike % Rec.	122.800	%	70-130
	Chloromethane	Sample Amount	<0.013	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.021	mg/kg dry wt	
		Matrix Spike % Rec.	89.599	%	70-130
	Bromomethane	Sample Amount	<0.013	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.030	mg/kg dry wt	
		Matrix Spike % Rec.	124.900	%	70-130
	Chloroethane	Sample Amount	<0.025	mg/kg dry wt	



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Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B04959	Chloroethane	Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.027	mg/kg dry wt	
		Matrix Spike % Rec.	115.100	%	70-130
	cis-1,3-Dichloropropene	Sample Amount	<0.002	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.025	mg/kg dry wt	
	trans-1,3-Dichloropropene	Matrix Spike % Rec.	106.600	%	70-130
		Sample Amount	<0.002	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
	Chlorodibromomethane	MS Amt Measured	0.026	mg/kg dry wt	
		Matrix Spike % Rec.	111.600	%	70-130
		Sample Amount	<0.002	mg/kg dry wt	
	1,1,2-Trichloroethane	Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.030	mg/kg dry wt	
		Matrix Spike % Rec.	125.600	%	70-130
	Bromoform	Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.033	mg/kg dry wt	
	1,1,2,2-Tetrachloroethane	Matrix Spike % Rec.	103.200	%	70-130
		Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
	2-Chlorotoluene	MS Amt Measured	0.026	mg/kg dry wt	
		Matrix Spike % Rec.	108.400	%	70-130
		Sample Amount	<0.002	mg/kg dry wt	
Hexachlorobutadiene	Matrix Spk Amt Added	0.024	mg/kg dry wt		
	MS Amt Measured	0.029	mg/kg dry wt		
	Matrix Spike % Rec.	123.600	%	70-130	
Isopropylbenzene	Sample Amount	<0.003	mg/kg dry wt		
	Matrix Spk Amt Added	0.024	mg/kg dry wt		
	MS Amt Measured	0.033	mg/kg dry wt		
p-Isopropyltoluene	Matrix Spike % Rec.	139.600	%	70-130	
	Sample Amount	<0.003	mg/kg dry wt		
	Matrix Spk Amt Added	0.024	mg/kg dry wt		
	MS Amt Measured	0.030	mg/kg dry wt		
	Matrix Spike % Rec.	126.600	%	70-130	

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

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QC Batch Number: GCMS/VOL-21556

Sample Id	Analysis	QC Analysis	Values	Units	Limits	
09B04959	n-Propylbenzene	Sample Amount	<0.003	mg/kg dry wt		
		Matrix Spk Amt Added	0.024	mg/kg dry wt		
		MS Amt Measured	0.030	mg/kg dry wt		
		Matrix Spike % Rec.	124.900	%	70-130	
	sec-Butylbenzene	Sample Amount	<0.003	mg/kg dry wt		
		Matrix Spk Amt Added	0.024	mg/kg dry wt		
		MS Amt Measured	0.029	mg/kg dry wt		
		Matrix Spike % Rec.	121.400	%	70-130	
	tert-Butylbenzene	Sample Amount	<0.003	mg/kg dry wt		
		Matrix Spk Amt Added	0.024	mg/kg dry wt		
		MS Amt Measured	0.029	mg/kg dry wt		
		Matrix Spike % Rec.	121.400	%	70-130	
	1,2,3-Trichlorobenzene	Sample Amount	<0.003	mg/kg dry wt		
		Matrix Spk Amt Added	0.024	mg/kg dry wt		
		MS Amt Measured	0.025	mg/kg dry wt		
		Matrix Spike % Rec.	104.300	%	70-130	
	1,2,4-Trichlorobenzene	Sample Amount	<0.003	mg/kg dry wt		
		Matrix Spk Amt Added	0.024	mg/kg dry wt		
		MS Amt Measured	0.025	mg/kg dry wt		
		Matrix Spike % Rec.	106.100	%	70-130	
	1,2,4-Trimethylbenzene	Sample Amount	<0.003	mg/kg dry wt		
		Matrix Spk Amt Added	0.024	mg/kg dry wt		
		MS Amt Measured	0.029	mg/kg dry wt		
		Matrix Spike % Rec.	121.300	%	70-130	
1,3,5-Trimethylbenzene	Sample Amount	<0.003	mg/kg dry wt			
	Matrix Spk Amt Added	0.024	mg/kg dry wt			
	MS Amt Measured	0.031	mg/kg dry wt			
	Matrix Spike % Rec.	132.400	%	70-130		
4-Chlorotoluene	Sample Amount	<0.003	mg/kg dry wt			
	Matrix Spk Amt Added	0.024	mg/kg dry wt			
	MS Amt Measured	0.030	mg/kg dry wt			
	Matrix Spike % Rec.	127.600	%	70-130		
Dibromomethane	Sample Amount	<0.003	mg/kg dry wt			
	Matrix Spk Amt Added	0.024	mg/kg dry wt			
	MS Amt Measured	0.027	mg/kg dry wt			
	Matrix Spike % Rec.	115.400	%	70-130		
cis-1,2-Dichloroethylene	Sample Amount	<0.003	mg/kg dry wt			
	Matrix Spk Amt Added	0.024	mg/kg dry wt			
	MS Amt Measured	0.025	mg/kg dry wt			
	Matrix Spike % Rec.	106.300	%	70-130		
1,1-Dichloropropene	Sample Amount	<0.003	mg/kg dry wt			
	Matrix Spk Amt Added	0.024	mg/kg dry wt			
	MS Amt Measured	0.027	mg/kg dry wt			

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

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Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B04959	1,1-Dichloropropene	Matrix Spike % Rec.	115.800	%	70-130
	1,2-Dichloropropene	Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.023	mg/kg dry wt	
	1,3-Dichloropropene	Matrix Spike % Rec.	99.200	%	70-130
		Sample Amount	<0.002	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.026	mg/kg dry wt	
	2,2-Dichloropropene	Matrix Spike % Rec.	110.700	%	70-130
		Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.023	mg/kg dry wt	
	1,1,1,2-Tetrachloroethane	Matrix Spike % Rec.	98.299	%	70-130
		Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.028	mg/kg dry wt	
	1,2,3-Trichloropropene	Matrix Spike % Rec.	118.000	%	70-130
		Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.019	mg/kg dry wt	
	n-Butylbenzene	Matrix Spike % Rec.	82.400	%	70-130
		Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.029	mg/kg dry wt	
	Dichlorodifluoromethane	Matrix Spike % Rec.	120.100	%	70-130
		Sample Amount	<0.025	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.019	mg/kg dry wt	
	Bromochloromethane	Matrix Spike % Rec.	79.399	%	70-130
		Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.029	mg/kg dry wt	
	Bromobenzene	Matrix Spike % Rec.	121.300	%	70-130
		Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.030	mg/kg dry wt	
	Acrylonitrile	Matrix Spike % Rec.	124.600	%	70-130
		Sample Amount	<0.008	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.022	mg/kg dry wt	
	Carbon Disulfide	Matrix Spike % Rec.	94.800	%	70-130
		Sample Amount	<0.008	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	

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SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

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Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B04959	Carbon Disulfide	MS Amt Measured	0.030	mg/kg dry wt	
		Matrix Spike % Rec.	125.400	%	70-130
	2-Hexanone	Sample Amount	<0.025	mg/kg dry wt	
		Matrix Spk Amt Added	0.241	mg/kg dry wt	
		MS Amt Measured	0.288	mg/kg dry wt	
		Matrix Spike % Rec.	119.370	%	70-130
	trans-1,4-Dichloro-2-Butene	Sample Amount	<0.005	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.023	mg/kg dry wt	
		Matrix Spike % Rec.	96.400	%	70-130
	Diethyl Ether	Sample Amount	<0.025	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.028	mg/kg dry wt	
		Matrix Spike % Rec.	116.300	%	70-130
	Bromodichloromethane	Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.028	mg/kg dry wt	
		Matrix Spike % Rec.	117.800	%	70-130
	1,2-Dichloroethane-d4	Surrogate Recovery	106.280	%	70-130
	Toluene-d8	Surrogate Recovery	94.640	%	70-130
	Bromofluorobenzene	Surrogate Recovery	97.760	%	70-130
	1,2-Dibromo-3-Chloropropane	Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.022	mg/kg dry wt	
		Matrix Spike % Rec.	92.400	%	70-130
	1,2-Dibromoethane	Sample Amount	<0.002	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.028	mg/kg dry wt	
		Matrix Spike % Rec.	116.300	%	70-130
	Tetrahydrofuran	Sample Amount	<0.013	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.021	mg/kg dry wt	
		Matrix Spike % Rec.	90.799	%	70-130
	tert-Butyl Alcohol	Sample Amount	<0.049	mg/kg dry wt	
		Matrix Spk Amt Added	0.241	mg/kg dry wt	
		MS Amt Measured	0.167	mg/kg dry wt	
		Matrix Spike % Rec.	69.480	%	70-130
	Diisopropyl Ether	Sample Amount	<0.002	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.025	mg/kg dry wt	
		Matrix Spike % Rec.	105.300	%	70-130
	tert-Butylethyl Ether	Sample Amount	<0.002	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	

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Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B04959	tert-Butylethyl Ether	MS Amt Measured	0.025	mg/kg dry wt	
		Matrix Spike % Rec.	104.900	%	70-130
	tert-Amylmethyl Ether	Sample Amount	<0.002	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.024	mg/kg dry wt	
	1,3,5-Trichlorobenzene	Matrix Spike % Rec.	103.300	%	70-130
		Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.024	mg/kg dry wt	
		MS Amt Measured	0.028	mg/kg dry wt	
09B04960	Bromofluorobenzene	Matrix Spike % Rec.	116.700	%	70-130
		Surrogate Recovery	101.160	%	70-130
		Surrogate Recovery	93.800	%	70-130
09B04961	Bromofluorobenzene	Surrogate Recovery	96.360	%	70-130
		Surrogate Recovery	100.080	%	70-130
		Surrogate Recovery	94.160	%	70-130
09B04962	Bromofluorobenzene	Surrogate Recovery	97.120	%	70-130
		Surrogate Recovery	106.200	%	70-130
		Surrogate Recovery	90.080	%	70-130
09B04963	Bromofluorobenzene	Surrogate Recovery	70.040	%	70-130
		Surrogate Recovery	96.720	%	70-130
		Surrogate Recovery	94.720	%	70-130
09B04964	Bromofluorobenzene	Surrogate Recovery	96.440	%	70-130
		Surrogate Recovery	103.440	%	70-130
		Surrogate Recovery	94.640	%	70-130
09B04965	Bromofluorobenzene	Surrogate Recovery	97.840	%	70-130
		Surrogate Recovery	103.680	%	70-130
		Surrogate Recovery	93.160	%	70-130
09B04966	Bromofluorobenzene	Surrogate Recovery	98.440	%	70-130
		Surrogate Recovery	104.120	%	70-130
		Surrogate Recovery	95.520	%	70-130
09B04967	Bromofluorobenzene	Surrogate Recovery	98.280	%	70-130
		Surrogate Recovery	102.920	%	70-130
		Surrogate Recovery	93.640	%	70-130
09B04968	Bromofluorobenzene	Surrogate Recovery	96.960	%	70-130
		Surrogate Recovery	102.920	%	70-130
		Surrogate Recovery	93.640	%	70-130

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Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B04968	1,2-Dichloroethane-d4	Surrogate Recovery	106.960	%	70-130
	Toluene-d8	Surrogate Recovery	94.600	%	70-130
	Bromofluorobenzene	Surrogate Recovery	97.160	%	70-130
09B04969	1,2-Dichloroethane-d4	Surrogate Recovery	101.560	%	70-130
	Toluene-d8	Surrogate Recovery	94.120	%	70-130
	Bromofluorobenzene	Surrogate Recovery	96.320	%	70-130
BLANK-129833	Acetone	Blank	<0.10	mg/kg dry wt	
	Benzene	Blank	<0.002	mg/kg dry wt	
	Carbon Tetrachloride	Blank	<0.002	mg/kg dry wt	
	Chloroform	Blank	<0.004	mg/kg dry wt	
	1,2-Dichloroethane	Blank	<0.002	mg/kg dry wt	
	1,4-Dichlorobenzene	Blank	<0.002	mg/kg dry wt	
	Ethyl Benzene	Blank	<0.002	mg/kg dry wt	
	2-Butanone (MEK)	Blank	<0.040	mg/kg dry wt	
	MIBK	Blank	<0.020	mg/kg dry wt	
	Naphthalene	Blank	<0.004	mg/kg dry wt	
	Styrene	Blank	<0.002	mg/kg dry wt	
	Tetrachloroethylene	Blank	<0.002	mg/kg dry wt	
	Toluene	Blank	<0.002	mg/kg dry wt	
	1,1,1-Trichloroethane	Blank	<0.002	mg/kg dry wt	
	Trichloroethylene	Blank	<0.002	mg/kg dry wt	
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Blank	<0.010	mg/kg dry wt	
	Trichlorofluoromethane	Blank	<0.010	mg/kg dry wt	
	o-Xylene	Blank	<0.002	mg/kg dry wt	
	m + p Xylene	Blank	<0.004	mg/kg dry wt	
	1,2-Dichlorobenzene	Blank	<0.002	mg/kg dry wt	
	1,3-Dichlorobenzene	Blank	<0.002	mg/kg dry wt	
	1,1-Dichloroethane	Blank	<0.002	mg/kg dry wt	
	1,1-Dichloroethylene	Blank	<0.004	mg/kg dry wt	
	1,4-Dioxane	Blank	<0.10	mg/kg dry wt	
	MTBE	Blank	<0.004	mg/kg dry wt	
	trans-1,2-Dichloroethylene	Blank	<0.002	mg/kg dry wt	
	Vinyl Chloride	Blank	<0.010	mg/kg dry wt	
	Methylene Chloride	Blank	<0.020	mg/kg dry wt	
	Chlorobenzene	Blank	<0.002	mg/kg dry wt	
	Chloromethane	Blank	<0.010	mg/kg dry wt	
	Bromomethane	Blank	<0.010	mg/kg dry wt	
	Chloroethane	Blank	<0.020	mg/kg dry wt	
	cis-1,3-Dichloropropene	Blank	<0.001	mg/kg dry wt	
trans-1,3-Dichloropropene	Blank	<0.001	mg/kg dry wt		
Chlorodibromomethane	Blank	<0.001	mg/kg dry wt		

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

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Sample Matrix Spikes and Matrix Spike Duplicates

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Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-129833	1,1,2-Trichloroethane	Blank	<0.002	mg/kg dry wt	
	Bromoform	Blank	<0.002	mg/kg dry wt	
	1,1,2,2-Tetrachloroethane	Blank	<0.001	mg/kg dry wt	
	2-Chlorotoluene	Blank	<0.002	mg/kg dry wt	
	Hexachlorobutadiene	Blank	<0.002	mg/kg dry wt	
	Isopropylbenzene	Blank	<0.002	mg/kg dry wt	
	p-Isopropyltoluene	Blank	<0.002	mg/kg dry wt	
	n-Propylbenzene	Blank	<0.002	mg/kg dry wt	
	sec-Butylbenzene	Blank	<0.002	mg/kg dry wt	
	tert-Butylbenzene	Blank	<0.002	mg/kg dry wt	
	1,2,3-Trichlorobenzene	Blank	<0.002	mg/kg dry wt	
	1,2,4-Trichlorobenzene	Blank	<0.002	mg/kg dry wt	
	1,2,4-Trimethylbenzene	Blank	<0.002	mg/kg dry wt	
	1,3,5-Trimethylbenzene	Blank	<0.002	mg/kg dry wt	
	4-Chlorotoluene	Blank	<0.002	mg/kg dry wt	
	Dibromomethane	Blank	<0.002	mg/kg dry wt	
	cis-1,2-Dichloroethylene	Blank	<0.002	mg/kg dry wt	
	1,1-Dichloropropene	Blank	<0.002	mg/kg dry wt	
	1,2-Dichloropropane	Blank	<0.002	mg/kg dry wt	
	1,3-Dichloropropane	Blank	<0.001	mg/kg dry wt	
	2,2-Dichloropropane	Blank	<0.002	mg/kg dry wt	
	1,1,1,2-Tetrachloroethane	Blank	<0.002	mg/kg dry wt	
	1,2,3-Trichloropropane	Blank	<0.002	mg/kg dry wt	
	n-Butylbenzene	Blank	<0.002	mg/kg dry wt	
	Dichlorodifluoromethane	Blank	<0.020	mg/kg dry wt	
	Bromochloromethane	Blank	<0.002	mg/kg dry wt	
	Bromobenzene	Blank	<0.002	mg/kg dry wt	
	Acrylonitrile	Blank	<0.006	mg/kg dry wt	
	Carbon Disulfide	Blank	<0.006	mg/kg dry wt	
	2-Hexanone	Blank	<0.020	mg/kg dry wt	
	trans-1,4-Dichloro-2-Butene	Blank	<0.004	mg/kg dry wt	
	Diethyl Ether	Blank	<0.020	mg/kg dry wt	
	Bromodichloromethane	Blank	<0.002	mg/kg dry wt	
	1,2-Dibromo-3-Chloropropane	Blank	<0.002	mg/kg dry wt	
	1,2-Dibromoethane	Blank	<0.001	mg/kg dry wt	
	Tetrahydrofuran	Blank	<0.010	mg/kg dry wt	
	tert-Butyl Alcohol	Blank	<0.040	mg/kg dry wt	
	Diisopropyl Ether	Blank	<0.001	mg/kg dry wt	
	tert-Butylethyl Ether	Blank	<0.001	mg/kg dry wt	
	tert-Amylmethyl Ether	Blank	<0.001	mg/kg dry wt	
	1,3,5-Trichlorobenzene	Blank	<0.002	mg/kg dry wt	
LFBLANK-91946	Acetone	Lab Fort Blank Amt.	0.200	mg/kg dry wt	



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Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-91946	Acetone	Lab Fort Blk. Found	0.234	mg/kg dry wt	
		Lab Fort Blk. % Rec.	117.190	%	70-160
		Lab Fort Blank Amt.	0.020	mg/kg dry wt	
	Benzene	Lab Fort Blk. Found	0.016	mg/kg dry wt	
		Lab Fort Blk. % Rec.	84.900	%	70-130
		Lab Fort Blank Amt.	0.020	mg/kg dry wt	
	Carbon Tetrachloride	Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	108.800	%	70-130
		Lab Fort Blank Amt.	0.020	mg/kg dry wt	
	Chloroform	Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	88.700	%	70-130
		Lab Fort Blank Amt.	0.020	mg/kg dry wt	
	1,2-Dichloroethane	Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.200	%	70-130
		Lab Fort Blank Amt.	0.020	mg/kg dry wt	
	1,4-Dichlorobenzene	Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	94.800	%	70-130
		Lab Fort Blank Amt.	0.020	mg/kg dry wt	
	Ethyl Benzene	Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	101.900	%	70-130
		Lab Fort Blank Amt.	0.200	mg/kg dry wt	
	2-Butanone (MEK)	Lab Fort Blk. Found	0.170	mg/kg dry wt	
		Lab Fort Blk. % Rec.	85.010	%	70-160
		Lab Fort Blank Amt.	0.200	mg/kg dry wt	
	MIBK	Lab Fort Blk. Found	0.167	mg/kg dry wt	
		Lab Fort Blk. % Rec.	83.550	%	70-160
		Lab Fort Blank Amt.	0.020	mg/kg dry wt	
	Naphthalene	Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	90.400	%	40-130
		Lab Fort Blank Amt.	0.020	mg/kg dry wt	
	Styrene	Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.600	%	70-130
		Lab Fort Blank Amt.	0.020	mg/kg dry wt	
	Tetrachloroethylene	Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	103.200	%	70-130
		Lab Fort Blank Amt.	0.020	mg/kg dry wt	
	Toluene	Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	92.500	%	70-130
		Lab Fort Blank Amt.	0.020	mg/kg dry wt	
	1,1,1-Trichloroethane	Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	101.300	%	70-130
		Lab Fort Blank Amt.	0.020	mg/kg dry wt	
	Trichloroethylene	Lab Fort Blk. Found	0.019	mg/kg dry wt	



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Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-91946	Trichloroethylene	Lab Fort Blk. % Rec.	97.700	%	70-130
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.023	mg/kg dry wt	
		Lab Fort Blk. % Rec.	116.200	%	70-130
	Trichlorofluoromethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.022	mg/kg dry wt	
		Lab Fort Blk. % Rec.	113.200	%	70-130
	o-Xylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	96.900	%	70-130
	m + p Xylene	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.040	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.700	%	70-130
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	99.100	%	70-130
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	99.700	%	70-130
	1,1-Dichloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	87.300	%	70-130
	1,1-Dichloroethylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	95.200	%	70-130
	1,4-Dioxane	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.176	mg/kg dry wt	
		Lab Fort Blk. % Rec.	88.460	%	40-160
	MTBE	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	91.100	%	70-130
	trans-1,2-Dichloroethylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	89.600	%	70-130
	Vinyl Chloride	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.016	mg/kg dry wt	
		Lab Fort Blk. % Rec.	84.200	%	40-130
	Methylene Chloride	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	91.300	%	40-160
	Chlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	98.600	%	70-130

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LFBLANK-91946	Chloromethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.015	mg/kg dry wt	
		Lab Fort Blk. % Rec.	76.300	%	40-130
	Bromomethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.100	%	40-130
	Chloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	98.200	%	70-130
	cis-1,3-Dichloropropene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	88.200	%	70-130
	trans-1,3-Dichloropropene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	94.700	%	70-130
	Chlorodibromomethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	104.700	%	70-130
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.016	mg/kg dry wt	
		Lab Fort Blk. % Rec.	83.200	%	70-130
	Bromoform	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.023	mg/kg dry wt	
		Lab Fort Blk. % Rec.	119.900	%	70-130
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	85.500	%	70-130
	2-Chlorotoluene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	101.800	%	70-130
	Hexachlorobutadiene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.022	mg/kg dry wt	
		Lab Fort Blk. % Rec.	110.600	%	70-130
	Isopropylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.023	mg/kg dry wt	
		Lab Fort Blk. % Rec.	115.700	%	70-130
	p-Isopropyltoluene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	108.200	%	70-130
	n-Propylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.600	%	70-130
	sec-Butylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	



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LFBLANK-91946	sec-Butylbenzene	Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	103.900	%	70-130
	tert-Butylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
	1,2,3-Trichlorobenzene	Lab Fort Blk. % Rec.	104.100	%	70-160
		Lab Fort Blank Amt.	0.020	mg/kg dry wt	
	1,2,4-Trichlorobenzene	Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	94.600	%	70-130
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
	1,2,4-Trimethylbenzene	Lab Fort Blk. % Rec.	94.000	%	70-130
		Lab Fort Blank Amt.	0.020	mg/kg dry wt	
	1,3,5-Trimethylbenzene	Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.100	%	70-130
	4-Chlorotoluene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
	4-Chlorotoluene	Lab Fort Blk. % Rec.	104.300	%	70-130
		Lab Fort Blank Amt.	0.020	mg/kg dry wt	
	Dibromomethane	Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	91.700	%	70-130
	cis-1,2-Dichloroethylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
	cis-1,2-Dichloroethylene	Lab Fort Blk. % Rec.	88.200	%	70-130
		Lab Fort Blank Amt.	0.020	mg/kg dry wt	
	1,1-Dichloropropene	Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	95.300	%	70-130
	1,2-Dichloropropane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.016	mg/kg dry wt	
	1,2-Dichloropropane	Lab Fort Blk. % Rec.	81.300	%	70-130
		Lab Fort Blank Amt.	0.020	mg/kg dry wt	
	1,3-Dichloropropane	Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	88.000	%	70-130
	2,2-Dichloropropane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
	2,2-Dichloropropane	Lab Fort Blk. % Rec.	85.900	%	70-130
		Lab Fort Blank Amt.	0.020	mg/kg dry wt	
	1,1,1,2-Tetrachloroethane	Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.900	%	70-130
	1,2,3-Trichloropropane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.014	mg/kg dry wt	

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Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-91946	1,2,3-Trichloropropane	Lab Fort Blk. % Rec.	71.000	%	70-130
		Lab Fort Blank Amt.	0.020	mg/kg dry wt	
	n-Butylbenzene	Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	101.600	%	70-130
	Dichlorodifluoromethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.014	mg/kg dry wt	
	Bromochloromethane	Lab Fort Blk. % Rec.	70.300	%	40-160
		Lab Fort Blank Amt.	0.020	mg/kg dry wt	
	Bromobenzene	Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.600	%	70-130
	Acrylonitrile	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.015	mg/kg dry wt	
	Carbon Disulfide	Lab Fort Blk. % Rec.	78.000	%	70-160
		Lab Fort Blank Amt.	0.020	mg/kg dry wt	
	2-Hexanone	Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	104.700	%	70-130
	trans-1,4-Dichloro-2-Butene	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.171	mg/kg dry wt	
	Diethyl Ether	Lab Fort Blk. % Rec.	85.620	%	70-160
		Lab Fort Blank Amt.	0.020	mg/kg dry wt	
	Bromodichloromethane	Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	74.800	%	70-130
	1,2-Dibromo-3-Chloropropane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
	1,2-Dibromoethane	Lab Fort Blk. % Rec.	92.100	%	70-130
		Lab Fort Blank Amt.	0.020	mg/kg dry wt	
	Tetrahydrofuran	Lab Fort Blk. Found	0.016	mg/kg dry wt	
		Lab Fort Blk. % Rec.	93.700	%	70-130
	tert-Butyl Alcohol	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.016	mg/kg dry wt	
		Lab Fort Blk. % Rec.	80.500	%	70-130
		Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.128	mg/kg dry wt	
		Lab Fort Blk. % Rec.	64.010	%	40-130

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Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-91946	Diisopropyl Ether	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	86.400	%	70-130
	tert-Butylethyl Ether	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	88.000	%	70-130
	tert-Amylmethyl Ether	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	86.800	%	70-130
	1,3,5-Trichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	99.400	%	70-130

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09B04971	1,2-Dichloroethane-d4	Surrogate Recovery	99.8	%	70-130
	Toluene-d8	Surrogate Recovery	99.0	%	70-130
	Bromofluorobenzene	Surrogate Recovery	96.4	%	70-130
BLANK-129928	Acetone	Blank	<5.0	ug/l	
	Benzene	Blank	<0.5	ug/l	
	Carbon Tetrachloride	Blank	<0.5	ug/l	
	Chloroform	Blank	<0.5	ug/l	
	1,2-Dichloroethane	Blank	<0.5	ug/l	
	1,4-Dichlorobenzene	Blank	<0.5	ug/l	
	Ethyl Benzene	Blank	<0.5	ug/l	
	2-Butanone (MEK)	Blank	<2.0	ug/l	
	MIBK	Blank	<2.0	ug/l	
	Naphthalene	Blank	<5.0	ug/l	
	Styrene	Blank	<1.0	ug/l	
	Tetrachloroethylene	Blank	<0.5	ug/l	
	Toluene	Blank	<0.5	ug/l	
	1,1,1-Trichloroethane	Blank	<1.0	ug/l	
	Trichloroethylene	Blank	<0.5	ug/l	
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Blank	<0.5	ug/l	
	Trichlorofluoromethane	Blank	<0.5	ug/l	
	o-Xylene	Blank	<0.5	ug/l	
	m + p Xylene	Blank	<1.0	ug/l	
	1,2-Dichlorobenzene	Blank	<0.5	ug/l	
	1,3-Dichlorobenzene	Blank	<0.5	ug/l	
	1,1-Dichloroethane	Blank	<0.5	ug/l	
	1,1-Dichloroethylene	Blank	<0.5	ug/l	
	1,4-Dioxane	Blank	<10.0	ug/l	
	MTBE	Blank	<0.5	ug/l	
	trans-1,2-Dichloroethylene	Blank	<0.5	ug/l	
	Vinyl Chloride	Blank	<0.5	ug/l	
	Methylene Chloride	Blank	<1.0	ug/l	
	Chlorobenzene	Blank	<0.5	ug/l	
	Chloromethane	Blank	<0.5	ug/l	
	Bromomethane	Blank	<0.5	ug/l	
	Chloroethane	Blank	<0.5	ug/l	
	cis-1,3-Dichloropropene	Blank	<0.5	ug/l	
	trans-1,3-Dichloropropene	Blank	<0.5	ug/l	
	Chlorodibromomethane	Blank	<5.0	ug/l	
	1,1,2-Trichloroethane	Blank	<0.5	ug/l	
	Bromoform	Blank	<5.0	ug/l	
	1,1,2,2-Tetrachloroethane	Blank	<0.5	ug/l	
	2-Chlorotoluene	Blank	<0.5	ug/l	

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BLANK-129928	Hexachlorobutadiene	Blank	<0.4	ug/l	
	Isopropylbenzene	Blank	<0.5	ug/l	
	p-Isopropyltoluene	Blank	<0.5	ug/l	
	n-Propylbenzene	Blank	<0.5	ug/l	
	sec-Butylbenzene	Blank	<0.5	ug/l	
	tert-Butylbenzene	Blank	<0.5	ug/l	
	1,2,3-Trichlorobenzene	Blank	<5.0	ug/l	
	1,2,4-Trichlorobenzene	Blank	<0.5	ug/l	
	1,2,4-Trimethylbenzene	Blank	<0.5	ug/l	
	1,3,5-Trimethylbenzene	Blank	<0.5	ug/l	
	Dibromomethane	Blank	<0.5	ug/l	
	cis-1,2-Dichloroethylene	Blank	<0.5	ug/l	
	4-Chlorotoluene	Blank	<0.5	ug/l	
	1,1-Dichloropropene	Blank	<0.5	ug/l	
	1,2-Dichloropropane	Blank	<0.5	ug/l	
	1,3-Dichloropropane	Blank	<0.5	ug/l	
	2,2-Dichloropropane	Blank	<0.5	ug/l	
	1,1,1,2-Tetrachloroethane	Blank	<1.0	ug/l	
	1,2,3-Trichloropropane	Blank	<0.5	ug/l	
	n-Butylbenzene	Blank	<0.5	ug/l	
	Dichlorodifluoromethane	Blank	<0.5	ug/l	
	Bromochloromethane	Blank	<0.5	ug/l	
	Bromobenzene	Blank	<0.5	ug/l	
	Acrylonitrile	Blank	<2.0	ug/l	
	Carbon Disulfide	Blank	<5.0	ug/l	
	2-Hexanone	Blank	<10.0	ug/l	
	trans-1,4-Dichloro-2-Butene	Blank	<5.0	ug/l	
	Diethyl Ether	Blank	<0.5	ug/l	
	Bromodichloromethane	Blank	<1.0	ug/l	
	1,2-Dibromo-3-Chloropropane	Blank	<5.0	ug/l	
	1,2-Dibromoethane	Blank	<0.50	ug/l	
	Tetrahydrofuran	Blank	<5.0	ug/l	
	tert-Butyl Alcohol	Blank	<10.0	ug/l	
	Diisopropyl Ether	Blank	<0.5	ug/l	
	tert-Butylethyl Ether	Blank	<0.5	ug/l	
	tert-Amylmethyl Ether	Blank	<0.5	ug/l	
	1,3,5-Trichlorobenzene	Blank	<1.0	ug/l	
LFBLANK-92059	Acetone	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	127.3	ug/l	
		Lab Fort Blk. % Rec.	127.3	%	70-160
	Benzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.4	ug/l	

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LFBLANK-92059	Benzene	Lab Fort Blk. % Rec.	104.4	%	70-130
	Carbon Tetrachloride	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.4	ug/l	
		Lab Fort Blk. % Rec.	104.4	%	70-130
	Chloroform	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.6	ug/l	
		Lab Fort Blk. % Rec.	106.8	%	70-130
	1,2-Dichloroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.4	ug/l	
		Lab Fort Blk. % Rec.	104.9	%	70-130
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.3	ug/l	
		Lab Fort Blk. % Rec.	93.9	%	70-130
	Ethyl Benzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.2	ug/l	
		Lab Fort Blk. % Rec.	102.5	%	70-130
	2-Butanone (MEK)	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	86.6	ug/l	
		Lab Fort Blk. % Rec.	86.6	%	40-160
	MIBK	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	69.9	ug/l	
		Lab Fort Blk. % Rec.	69.9	%	70-160
	Naphthalene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	3.4	ug/l	
		Lab Fort Blk. % Rec.	34.8	%	40-130
	Styrene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.5	ug/l	
		Lab Fort Blk. % Rec.	95.1	%	70-130
	Tetrachloroethylene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.1	ug/l	
		Lab Fort Blk. % Rec.	101.2	%	70-160
	Toluene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.3	ug/l	
		Lab Fort Blk. % Rec.	103.7	%	70-130
	1,1,1-Trichloroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.3	ug/l	
		Lab Fort Blk. % Rec.	103.6	%	70-130
	Trichloroethylene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.4	ug/l	
		Lab Fort Blk. % Rec.	104.2	%	70-130
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.8	ug/l	
		Lab Fort Blk. % Rec.	118.7	%	70-130



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QC Batch Number: GCMS/VOL-21572

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92059	Trichlorofluoromethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.8	ug/l	
		Lab Fort Blk. % Rec.	108.6	%	70-130
	o-Xylene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.5	ug/l	
		Lab Fort Blk. % Rec.	95.4	%	70-130
	m + p Xylene	Lab Fort Blank Amt.	20.0	ug/l	
		Lab Fort Blk. Found	19.7	ug/l	
		Lab Fort Blk. % Rec.	98.8	%	70-130
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.9	ug/l	
		Lab Fort Blk. % Rec.	99.0	%	70-130
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.9	ug/l	
		Lab Fort Blk. % Rec.	99.7	%	70-130
	1,1-Dichloroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.6	ug/l	
		Lab Fort Blk. % Rec.	106.6	%	70-130
	1,1-Dichloroethylene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.7	ug/l	
		Lab Fort Blk. % Rec.	107.8	%	70-130
	1,4-Dioxane	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	79.2	ug/l	
		Lab Fort Blk. % Rec.	79.2	%	40-130
	MTBE	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.7	ug/l	
		Lab Fort Blk. % Rec.	107.0	%	70-130
	trans-1,2-Dichloroethylene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.5	ug/l	
		Lab Fort Blk. % Rec.	105.4	%	70-130
	Vinyl Chloride	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.8	ug/l	
		Lab Fort Blk. % Rec.	98.2	%	40-160
	Methylene Chloride	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	13.3	ug/l	
		Lab Fort Blk. % Rec.	133.9	%	70-130
	Chlorobenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.0	ug/l	
		Lab Fort Blk. % Rec.	100.3	%	70-130
	Chloromethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.7	ug/l	
		Lab Fort Blk. % Rec.	97.6	%	40-160
	Bromomethane	Lab Fort Blank Amt.	10.0	ug/l	

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Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92059	Bromomethane	Lab Fort Blk. Found	11.7	ug/l	
		Lab Fort Blk. % Rec.	117.7	%	40-160
		Lab Fort Blank Amt.	10.0	ug/l	
	Chloroethane	Lab Fort Blk. Found	9.9	ug/l	
		Lab Fort Blk. % Rec.	99.8	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
	cis-1,3-Dichloropropene	Lab Fort Blk. Found	9.4	ug/l	
		Lab Fort Blk. % Rec.	94.8	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
	trans-1,3-Dichloropropene	Lab Fort Blk. Found	10.1	ug/l	
		Lab Fort Blk. % Rec.	101.2	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
	Chlorodibromomethane	Lab Fort Blk. Found	9.2	ug/l	
		Lab Fort Blk. % Rec.	92.1	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
	1,1,2-Trichloroethane	Lab Fort Blk. Found	10.3	ug/l	
		Lab Fort Blk. % Rec.	103.8	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
	Bromoform	Lab Fort Blk. Found	8.8	ug/l	
		Lab Fort Blk. % Rec.	88.4	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
	1,1,2,2-Tetrachloroethane	Lab Fort Blk. Found	9.1	ug/l	
		Lab Fort Blk. % Rec.	91.9	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
	2-Chlorotoluene	Lab Fort Blk. Found	9.9	ug/l	
		Lab Fort Blk. % Rec.	99.3	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
	Hexachlorobutadiene	Lab Fort Blk. Found	6.5	ug/l	
		Lab Fort Blk. % Rec.	65.0	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
	Isopropylbenzene	Lab Fort Blk. Found	10.5	ug/l	
		Lab Fort Blk. % Rec.	105.5	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
	p-Isopropyltoluene	Lab Fort Blk. Found	9.6	ug/l	
		Lab Fort Blk. % Rec.	96.2	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
	n-Propylbenzene	Lab Fort Blk. Found	8.7	ug/l	
		Lab Fort Blk. % Rec.	87.7	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
	sec-Butylbenzene	Lab Fort Blk. Found	9.0	ug/l	
		Lab Fort Blk. % Rec.	90.2	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
	tert-Butylbenzene	Lab Fort Blk. Found	9.1	ug/l	
		Lab Fort Blank Amt.	10.0	ug/l	



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Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92059	tert-Butylbenzene	Lab Fort Blk. % Rec.	91.6	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	6.3	ug/l	
	1,2,3-Trichlorobenzene	Lab Fort Blk. % Rec.	63.9	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	5.7	ug/l	
	1,2,4-Trichlorobenzene	Lab Fort Blk. % Rec.	57.8	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.8	ug/l	
	1,2,4-Trimethylbenzene	Lab Fort Blk. % Rec.	98.7	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.5	ug/l	
	1,3,5-Trimethylbenzene	Lab Fort Blk. % Rec.	95.8	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.8	ug/l	
	Dibromomethane	Lab Fort Blk. % Rec.	98.4	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.6	ug/l	
	cis-1,2-Dichloroethylene	Lab Fort Blk. % Rec.	106.8	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.6	ug/l	
	4-Chlorotoluene	Lab Fort Blk. % Rec.	96.3	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.1	ug/l	
	1,1-Dichloropropene	Lab Fort Blk. % Rec.	111.2	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.2	ug/l	
	1,2-Dichloropropane	Lab Fort Blk. % Rec.	102.4	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.0	ug/l	
	1,3-Dichloropropane	Lab Fort Blk. % Rec.	100.8	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.5	ug/l	
	2,2-Dichloropropane	Lab Fort Blk. % Rec.	115.0	%	40-130
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.4	ug/l	
	1,1,1,2-Tetrachloroethane	Lab Fort Blk. % Rec.	94.6	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.0	ug/l	
	1,2,3-Trichloropropane	Lab Fort Blk. % Rec.	80.5	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.3	ug/l	
	n-Butylbenzene	Lab Fort Blk. % Rec.	103.7	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.3	ug/l	

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LFBLANK-92059	Dichlorodifluoromethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	7.2	ug/l	
		Lab Fort Blk. % Rec.	72.0	%	40-160
	Bromochloromethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.3	ug/l	
		Lab Fort Blk. % Rec.	113.4	%	70-130
	Bromobenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.1	ug/l	
		Lab Fort Blk. % Rec.	101.9	%	70-130
	Acrylonitrile	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.1	ug/l	
		Lab Fort Blk. % Rec.	91.8	%	70-130
	Carbon Disulfide	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.7	ug/l	
		Lab Fort Blk. % Rec.	97.1	%	70-130
	2-Hexanone	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	62.4	ug/l	
		Lab Fort Blk. % Rec.	62.4	%	70-160
	trans-1,4-Dichloro-2-Butene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	6.5	ug/l	
		Lab Fort Blk. % Rec.	65.0	%	70-130
	Diethyl Ether	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.4	ug/l	
		Lab Fort Blk. % Rec.	114.6	%	70-130
	Bromodichloromethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.6	ug/l	
		Lab Fort Blk. % Rec.	96.8	%	70-130
	1,2-Dibromo-3-Chloropropane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	7.6	ug/l	
		Lab Fort Blk. % Rec.	76.4	%	70-130
	1,2-Dibromoethane	Lab Fort Blank Amt.	10.00	ug/l	
		Lab Fort Blk. Found	9.98	ug/l	
		Lab Fort Blk. % Rec.	99.80	%	70-130
	Tetrahydrofuran	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.2	ug/l	
		Lab Fort Blk. % Rec.	82.0	%	70-130
	tert-Butyl Alcohol	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	67.2	ug/l	
		Lab Fort Blk. % Rec.	67.2	%	40-160
	Diisopropyl Ether	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.0	ug/l	
		Lab Fort Blk. % Rec.	110.8	%	70-130
	tert-Butylethyl Ether	Lab Fort Blank Amt.	10.0	ug/l	



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Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92059	tert-Butylethyl Ether	Lab Fort Blk. Found	11.6	ug/l	
		Lab Fort Blk. % Rec.	116.5	%	70-130
	tert-Amylmethyl Ether	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.1	ug/l	
	1,3,5-Trichlorobenzene	Lab Fort Blk. % Rec.	111.4	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.5	ug/l	
		Lab Fort Blk. % Rec.	105.1	%	70-130



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QC Batch Number: HG-9886

Sample id	Analysis	QC Analysis	Values	Units	Limits
BLANK-129888	Mercury	Blank	<0.00010	mg/l	
LFBLANK-92016	Mercury	Lab Fort Blank Amt.	0.00200	mg/l	
		Lab Fort Blk. Found	0.00182	mg/l	
		Lab Fort Blk. % Rec.	91.45000	%	85-115
		Dup Lab Fort Bl Amt.	0.00200	mg/l	
		Dup Lab Fort Bl. Fnd	0.00185	mg/l	
		Dup Lab Fort Bl %Rec	92.85000	%	
		Lab Fort Blank Range	1.39999	units	
		Lab Fort Bl. Av. Rec	92.15000	%	
		LFB Duplicate RPD	1.51926	%	



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QC Batch Number: HG-9891

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B04963	Mercury	Sample Amount	<0.014	mg/kg dry wt	
		Matrix Spk Amt Added	0.263	mg/kg dry wt	
		MS Amt Measured	0.256	mg/kg dry wt	
		Matrix Spike % Rec.	97.249	%	75-125
BLANK-129896	Mercury	Blank	<0.025	mg/kg dry wt	
LFBLANK-92021	Mercury	Lab Fort Blank Amt.	1.250	mg/kg dry wt	
		Lab Fort Blk. Found	1.221	mg/kg dry wt	
		Lab Fort Blk. % Rec.	97.758	%	65.9-133



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QC Batch Number: JCP-21236

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B04968	Silver	Sample Amount	4.47	mg/kg dry wt	
		Duplicate Value	4.51	mg/kg dry wt	
		Duplicate RPD	0.92	%	0-35
		Sample Amount	4.47	mg/kg dry wt	
		Matrix Spk Amt Added	254.58	mg/kg dry wt	
		MS Amt Measured	217.77	mg/kg dry wt	
	Arsenic	Matrix Spike % Rec.	83.78	%	75-125
		Sample Amount	4.79	mg/kg dry wt	
		Duplicate Value	5.79	mg/kg dry wt	
		Duplicate RPD	18.81	%	0-35
		Sample Amount	4.79	mg/kg dry wt	
		Matrix Spk Amt Added	254.58	mg/kg dry wt	
	Barium	MS Amt Measured	263.08	mg/kg dry wt	
		Matrix Spike % Rec.	101.45	%	75-125
		Sample Amount	178.23	mg/kg dry wt	
		Duplicate Value	162.90	mg/kg dry wt	
		Duplicate RPD	8.98	%	0-35
		Sample Amount	178.23	mg/kg dry wt	
	Beryllium	Matrix Spk Amt Added	254.58	mg/kg dry wt	
		MS Amt Measured	412.21	mg/kg dry wt	
		Matrix Spike % Rec.	91.90	%	75-125
		Sample Amount	0.53	mg/kg dry wt	
		Duplicate Value	0.48	mg/kg dry wt	
		Duplicate RPD	8.38	%	0-35
Cadmium	Sample Amount	0.53	mg/kg dry wt		
	Matrix Spk Amt Added	254.58	mg/kg dry wt		
	MS Amt Measured	237.28	mg/kg dry wt		
	Matrix Spike % Rec.	92.99	%	75-125	
	Sample Amount	0.26	mg/kg dry wt		
	Duplicate Value	0.37	mg/kg dry wt		
Chromium	Duplicate RPD	34.07	%	0-35	
	Sample Amount	0.26	mg/kg dry wt		
	Matrix Spk Amt Added	254.58	mg/kg dry wt		
	MS Amt Measured	254.24	mg/kg dry wt		
	Matrix Spike % Rec.	99.76	%	75-125	
	Sample Amount	19.69	mg/kg dry wt		
Copper	Duplicate Value	19.32	mg/kg dry wt		
	Duplicate RPD	1.89	%	0-35	
	Sample Amount	19.69	mg/kg dry wt		
	Matrix Spk Amt Added	254.58	mg/kg dry wt		
	MS Amt Measured	258.86	mg/kg dry wt		
	Matrix Spike % Rec.	93.94	%	75-125	
		Sample Amount	350.07	mg/kg dry wt	



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Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B04968	Copper	Duplicate Value	452.51	mg/kg dry wt	
		Duplicate RPD	25.52	%	0-35
		Sample Amount	350.07	mg/kg dry wt	
		Matrix Spk Amt Added	254.58	mg/kg dry wt	
		MS Amt Measured	577.54	mg/kg dry wt	
		Matrix Spike % Rec.	89.35	%	75-125
	Nickel	Sample Amount	72.70	mg/kg dry wt	
		Duplicate Value	81.46	mg/kg dry wt	
		Duplicate RPD	11.35	%	0-35
		Sample Amount	72.70	mg/kg dry wt	
		Matrix Spk Amt Added	254.58	mg/kg dry wt	
		MS Amt Measured	307.90	mg/kg dry wt	
	Lead	Matrix Spike % Rec.	92.38	%	75-125
		Sample Amount	129.14	mg/kg dry wt	
		Duplicate Value	141.22	mg/kg dry wt	
		Duplicate RPD	8.93	%	0-35
		Sample Amount	129.14	mg/kg dry wt	
		Matrix Spk Amt Added	254.58	mg/kg dry wt	
	Antimony	MS Amt Measured	355.84	mg/kg dry wt	
		Matrix Spike % Rec.	89.04	%	75-125
		Sample Amount	<4.08	mg/kg dry wt	
		Matrix Spk Amt Added	254.58	mg/kg dry wt	
		MS Amt Measured	242.47	mg/kg dry wt	
		Matrix Spike % Rec.	95.24	%	75-125
	Selenium	Sample Amount	<5.10	mg/kg dry wt	
		Matrix Spk Amt Added	254.58	mg/kg dry wt	
		MS Amt Measured	237.79	mg/kg dry wt	
		Matrix Spike % Rec.	93.40	%	75-125
	Thallium	Sample Amount	<3.06	mg/kg dry wt	
		Matrix Spk Amt Added	254.58	mg/kg dry wt	
MS Amt Measured		244.45	mg/kg dry wt		
Matrix Spike % Rec.		96.02	%	75-125	
Vanadium	Sample Amount	39.11	mg/kg dry wt		
	Duplicate Value	40.18	mg/kg dry wt		
	Duplicate RPD	2.69	%	0-35	
	Sample Amount	39.11	mg/kg dry wt		
	Matrix Spk Amt Added	254.58	mg/kg dry wt		
	MS Amt Measured	285.19	mg/kg dry wt		
Zinc	Matrix Spike % Rec.	96.66	%	75-125	
	Sample Amount	143.52	mg/kg dry wt		
	Duplicate Value	160.83	mg/kg dry wt		
	Duplicate RPD	11.37	%	0-35	
	Sample Amount	143.52	mg/kg dry wt		



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Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B04968	Zinc	Matrix Spk Amt Added	254.58	mg/kg dry wt	
		MS Amt Measured	380.49	mg/kg dry wt	
		Matrix Spike % Rec.	93.08	%	75-125
BLANK-130007	Silver	Blank	<0.50	mg/kg dry wt	
	Arsenic	Blank	<2.50	mg/kg dry wt	
	Barium	Blank	<5.00	mg/kg dry wt	
	Beryllium	Blank	<0.25	mg/kg dry wt	
	Cadmium	Blank	<0.25	mg/kg dry wt	
	Chromium	Blank	<0.50	mg/kg dry wt	
	Copper	Blank	<0.50	mg/kg dry wt	
	Nickel	Blank	<0.50	mg/kg dry wt	
	Lead	Blank	<0.75	mg/kg dry wt	
	Antimony	Blank	<4.00	mg/kg dry wt	
	Selenium	Blank	<5.00	mg/kg dry wt	
	Thallium	Blank	<3.00	mg/kg dry wt	
	Vanadium	Blank	<5.00	mg/kg dry wt	
	Zinc	Blank	1.12	mg/kg dry wt	
LFBLANK-92146	Silver	Lab Fort Blank Amt.	62.40	mg/kg dry wt	
		Lab Fort Blk. Found	49.65	mg/kg dry wt	
		Lab Fort Blk. % Rec.	79.56	%	66-133
		Dup Lab Fort Bl Amt.	62.40	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	50.50	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	80.92	%	66-133
		Lab Fort Blank Range	1.36	units	
		Lab Fort Bl. Av. Rec	80.24	%	
		LFB Duplicate RPD	1.69	%	0-30
	Arsenic	Lab Fort Blank Amt.	123.00	mg/kg dry wt	
		Lab Fort Blk. Found	115.45	mg/kg dry wt	
		Lab Fort Blk. % Rec.	93.86	%	80-120
		Dup Lab Fort Bl Amt.	123.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	116.48	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	94.69	%	80-120
		Lab Fort Blank Range	0.83	units	
		Lab Fort Bl. Av. Rec	94.28	%	
		LFB Duplicate RPD	0.88	%	0-30
	Barium	Lab Fort Blank Amt.	256.00	mg/kg dry wt	
		Lab Fort Blk. Found	226.75	mg/kg dry wt	
		Lab Fort Blk. % Rec.	88.57	%	81-119
		Dup Lab Fort Bl Amt.	256.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	231.94	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	90.60	%	81-119



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 3/3/2009

Lims Bat #: LIMT-23411

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QC Batch Number: ICP-21236

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92146					
	Barium	Lab Fort Blank Range	2.02	units	
		Lab Fort Bl. Av. Rec	89.58	%	
		LFB Duplicate RPD	2.26	%	0-30
	Beryllium	Lab Fort Blank Amt.	75.90	mg/kg dry wt	
		Lab Fort Blk. Found	74.20	mg/kg dry wt	
		Lab Fort Blk. % Rec.	97.77	%	84-116
		Dup Lab Fort Bl Amt.	75.90	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	74.34	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	97.95	%	84-116
		Lab Fort Blank Range	0.18	units	
		Lab Fort Bl. Av. Rec	97.86	%	
		LFB Duplicate RPD	0.18	%	0-30
	Cadmium	Lab Fort Blank Amt.	258.00	mg/kg dry wt	
		Lab Fort Blk. Found	265.77	mg/kg dry wt	
		Lab Fort Blk. % Rec.	103.01	%	83-117
		Dup Lab Fort Bl Amt.	258.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	251.75	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	97.57	%	83-117
		Lab Fort Blank Range	5.43	units	
		Lab Fort Bl. Av. Rec	100.29	%	
		LFB Duplicate RPD	5.41	%	0-30
	Chromium	Lab Fort Blank Amt.	138.00	mg/kg dry wt	
		Lab Fort Blk. Found	135.02	mg/kg dry wt	
		Lab Fort Blk. % Rec.	97.84	%	82-118
		Dup Lab Fort Bl Amt.	138.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	129.19	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	93.62	%	82-118
		Lab Fort Blank Range	4.21	units	
		Lab Fort Bl. Av. Rec	95.73	%	
		LFB Duplicate RPD	4.40	%	0-30
	Copper	Lab Fort Blank Amt.	122.00	mg/kg dry wt	
		Lab Fort Blk. Found	115.02	mg/kg dry wt	
		Lab Fort Blk. % Rec.	94.27	%	83-117
		Dup Lab Fort Bl Amt.	122.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	114.07	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	93.50	%	83-117
		Lab Fort Blank Range	0.77	units	
		Lab Fort Bl. Av. Rec	93.88	%	
		LFB Duplicate RPD	0.82	%	
	Nickel	Lab Fort Blank Amt.	111.00	mg/kg dry wt	
		Lab Fort Blk. Found	109.89	mg/kg dry wt	
		Lab Fort Blk. % Rec.	99.00	%	80-120
		Dup Lab Fort Bl Amt.	111.00	mg/kg dry wt	



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 3/3/2009

Lims Bat #: LIMIT-23411

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QC Batch Number: ICP-21236

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92146	Nickel	Dup Lab Fort Bl. Fnd	106.03	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	95.52	%	80-120
		Lab Fort Blank Range	3.47	units	
		Lab Fort Bl. Av. Rec	97.26	%	
		LFB Duplicate RPD	3.57	%	0-30
	Lead	Lab Fort Blank Amt.	136.00	mg/kg dry wt	
		Lab Fort Blk. Found	120.68	mg/kg dry wt	
		Lab Fort Blk. % Rec.	88.73	%	82-118
		Dup Lab Fort Bl Amt.	136.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	118.57	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	87.18	%	82-118
		Lab Fort Blank Range	1.55	units	
		Lab Fort Bl. Av. Rec	87.95	%	
		LFB Duplicate RPD	1.76	%	0-30
		Antimony	Lab Fort Blank Amt.	138.00	mg/kg dry wt
	Lab Fort Blk. Found		106.46	mg/kg dry wt	
	Lab Fort Blk. % Rec.		77.14	%	30-207
	Dup Lab Fort Bl Amt.		138.00	mg/kg dry wt	
	Dup Lab Fort Bl. Fnd		103.91	mg/kg dry wt	
	Dup Lab Fort Bl %Rec		75.29	%	30-207
	Lab Fort Blank Range		1.84	units	
	Lab Fort Bl. Av. Rec		76.22	%	
	LFB Duplicate RPD		2.42	%	0-30
	Selenium		Lab Fort Blank Amt.	199.00	mg/kg dry wt
		Lab Fort Blk. Found	190.34	mg/kg dry wt	
		Lab Fort Blk. % Rec.	95.64	%	77-123
		Dup Lab Fort Bl Amt.	199.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	184.42	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	92.67	%	77-123
		Lab Fort Blank Range	2.97	units	
		Lab Fort Bl. Av. Rec	94.16	%	
		LFB Duplicate RPD	3.15	%	0-30
		Thallium	Lab Fort Blank Amt.	297.00	mg/kg dry wt
Lab Fort Blk. Found	294.10		mg/kg dry wt		
Lab Fort Blk. % Rec.	99.02		%	82-120	
Dup Lab Fort Bl Amt.	297.00		mg/kg dry wt		
Dup Lab Fort Bl. Fnd	281.36		mg/kg dry wt		
Dup Lab Fort Bl %Rec	94.73		%	82-120	
Lab Fort Blank Range	4.28		units		
Lab Fort Bl. Av. Rec	96.87		%		
LFB Duplicate RPD	4.42		%	0-30	
Vanadium	Lab Fort Blank Amt.		158.00	mg/kg dry wt	
	Lab Fort Blk. Found	156.30	mg/kg dry wt		



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 3/3/2009

Lims Bat #: LIMIT-23411

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QC Batch Number: ICP-21236

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92146	Vanadium	Lab Fort Blk. % Rec.	98.92	%	80-120
		Dup Lab Fort Bl Amt.	158.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	149.96	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	94.91	%	80-120
		Lab Fort Blank Range	4.01	units	
		Lab Fort Bl. Av. Rec	96.91	%	
	Zinc	LFB Duplicate RPD	4.14	%	0-30
		Lab Fort Blank Amt.	314.00	mg/kg dry wt	
		Lab Fort Blk. Found	300.05	mg/kg dry wt	
		Lab Fort Blk. % Rec.	95.55	%	81-119
		Dup Lab Fort Bl Amt.	314.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	296.05	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	94.28	%	81-119
		Lab Fort Blank Range	1.27	units	
		Lab Fort Bl. Av. Rec	94.92	%	
		LFB Duplicate RPD	1.34	%	0-30



QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 3/3/2009

Lims Bat #: LIMT-23411

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QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.

LIMITS Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.

Sample Amount Amount of analyte found in a sample.

Blank Method Blank that has been taken though all the steps of the analysis.

LFBLANK Laboratory Fortified Blank (a control sample)

STDADD Standard Added (a laboratory control sample)

Matrix Spk Amt Added Amount of analyte spiked into a sample
MS Amt Measured Amount of analyte found including amount that was spiked
Matrix Spike % Rec. % Recovery of spiked amount in sample.

Duplicate Value The result from the Duplicate analysis of the sample.
Duplicate RPD The Relative Percent Difference between two Duplicate Analyses.

Surrogate Recovery The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.

Sur. Recovery (ELCD) Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID) Surrogate Recovery on the Photoionization Detector.

Standard Measured Amount measured for a laboratory control sample
Standard Amt Added Known value for a laboratory control sample
Standard % Recovery % recovered for a laboratory control sample with a known value.

Lab Fort Blank Amt Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).

Lab Fort Bl. Av. Rec. Laboratory Fortified Blank Average Recovery

Duplicate Sample Amt Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured Matrix Spike Duplicate Amount Measured
MSD % Recovery Matrix Spike Duplicate % Recovery
MSD Range Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries



REASONABLE CONFIDENCE PROTOCOL

LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: METCALF & EDDY

Project Location: FACTORY H MERIDEN

Project Number: LIMT-23411

Laboratory Sample ID(s): 09B04958-09B04971

Sampling Date(s): 2/19/09

List RCP Methods Used (e.g., 8260, 8270, et cetera) 6020, 8260, 9014, ETPH, 7470, 6010, 7471, 8270

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1A	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1B	<u>VPH and EPH Methods only</u> : Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3	Were samples received at an appropriate temperature (<6° C)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5	a) Were reporting limits specified or referenced on the chain-of-custody?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	b) Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence." This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Edward Denson Position: Technical Director

Printed Name: Edward Denson

Date: 3/3/09

Name of Laboratory: CON-TEST ANALYTICAL LABORATORY

This certification form is to be used for RCP methods only.



Phone: 413-525-2332
 Fax: 413-525-6405
 Email: info@contestlabs.com
 www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 SPRUCE ST, 2ND FLOOR
 EAST LONGMEADOW, MA 01028

Company Name: AECOM
 Address: 500 ENTERPRISE DR SUITE 1A ROCKY HILL CT
 Attention: SPEITZWA / A BONDOS
 Project Location: FACILITY H MAIDEN
 Sampled By: SPEITZWA

Proposal Provided? (For Billing purposes) Yes No
 State Form Required? Yes No

Telephone: 860, 263 5800
 Project # 100073489
 Client PO # _____

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT
 Email: _____
 Format: EXCEL PDF GIS KEY
 OTHER

Field ID	Sample Description	Lab #	Date Sampled	Start Date/Time	Stop Date/Time	Comp. osite	Grab	Matrix / Conc. Code	Analysis Requested	Cont. Code	# of containers
ME-SB-01	0.5-1.5'	04958	2-19-09	145		X	X	S U	VOCs 8260 PAHS ROCK 8 METALS CT DEP 15 METALS ETPH (CT DEP) CYANIDE #6 GLASS JARS 802 2702		5
ME-SB-01	8-9'	04959		155		X	X				
MO-SB-01	11.5-12.5'	04960		210		X	X				
MO-SB-02	1-2'	04960		220		X	X				
MO-SB-02	8-9'	04961		230		X	X				
MO-SB-02	9-10'	04963		240		X	X				
ME-SB-02	0.5-1.5'	0496		840		X	X				
ME-SB-02	4.5-5.5'	04962	2-19-09	855		X	X	S U			1

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Detection Limit Requirements

Regulations? CAPIE
 Data Enhancement Project/RCP? AY N
 Special Requirements or DLs: ESLs

*Matrix Code:
 GW = groundwater
 WW = wastewater
 DW = drinking water
 A = air
 S = soil/solid
 SL = sludge
 O = other

**Preservation Codes:
 I = Iced
 H = HCL
 M = Methanol
 N = Nitric Acid
 S = Sulfuric Acid
 B = Sodium bisulfate
 O = Other

Requisitioned by: (signature) [Signature] Date/Time: 2-19-09 4:30
 Received by: (signature) [Signature] Date/Time: 2/20/09 12:50pm
 Requisitioned by: (signature) [Signature] Date/Time: 2/20/09 14:30
 Received by: (signature) [Signature] Date/Time: 2/20/09 14:30

Turnaround **
 1-5 X-Day
 10-Day
 Other
 RUSH *
 *24-Hr *48-Hr
 *72-Hr *4-Day
 * Require lab approval

Client Comments: DI VIALS / ENCORE FROZEN AT: 02-20-09 14:52
WATER SAMPLE FOR POTENTIAL
H = HCL
WATER SAMPLE FOR POTENTIAL

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.



Phone: 413-525-2392
 Fax: 413-525-6405
 Email: info@contestlabs.com
 www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 SPRUCE ST, 2ND FLOOR
 EAST LONGMEADOW, MA 01028

Company Name: AECOM

Address: ROCKY HILL

Attention: SPIRITACE / JBD0005

Project Location: FACTORY H - MA01000

Sampled By: SPRUELL

Proposal Provided? (For Billing purposes)
 Yes 1/08 proposal date No No

State Form Required?
 Yes No

Client PO # _____

Telephone: 800 263 5800
 Project # 600734189

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT

Excel PDF GIS KEY

Field ID	Sample Description	Lab #	Date Sampled	Start Date/Time	Stop Date/Time	Comp- osite	Grab	Matrix Code	Conc. Code	ANALYSIS REQUESTED	# of containers
NE-SB-05	0.51.5' 04968	09B	130			X	X	S	U	VOCs 8260 PAHS RCRA 8 METALS CDEP 15 METALS CETPH CYANIDE #GLASS JARS 8/4/02	3
NE-SB-05	5.5-6' 04969	04976	130			X	X	S	U		3
TB	021909	04976	500			X	X	C	C		3
EB	021909	04971	500			X	X	C	C		3

Laboratory Comments: _____

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) [Signature] Date/Time: 8-19-09 430

Received by: (signature) [Signature] Date/Time: 8/20/09 12:59pm

Relinquished by: (signature) [Signature] Date/Time: 8/20/09 14:22

Received by: (signature) [Signature] Date/Time: 8/20/09 14:30

Turnaround **
 5* Day
 10-Day
 Other _____

RUSH*
 *24-Hr *48-Hr
 *72-Hr *4-Day

Detection Limit Requirements
 Regulations? GARPC
 Data Enhancement Project/RCP? NO N Y

Special Requirements or DL's: PSRS

Matrix Code:
 GW = groundwater
 WW = wastewater
 DW = drinking water
 A = air
 S = soil/solid
 SL = sludge
 O = other LABOR

Preservation Codes:
 I = Iced
 H = HCL
 M = Methanol
 N = Nitric Acid
 S = Sulfuric Acid
 B = Sodium bisulfate
 X = Na hydroxide
 T = Na thiosulfate

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

AIHA, NELAC & WBED certified

www.contestlabs.com



39 Spruce St.
East Longmeadow, MA.
01028
P: 413-525-2332
F: 413-525-6405

Sample Receipt Checklist

CLIENT NAME: AECOM RECEIVED BY: RD DATE: 2/20/09

- 1) Was the chain(s) of custody relinquished and signed? Yes No
- 2) Does the chain agree with the samples?
If not, explain: Yes No
- 3) Are all the samples in good condition?
If not, explain: Yes No

4) How were the samples received:
On Ice Direct from Sampling Ambient In Cooler(s)
Were the samples received in Temperature Compliance of (2-8°C)? Yes No
Temperature °C by Temp blank 5°C Temperature °C by Temp gun _____

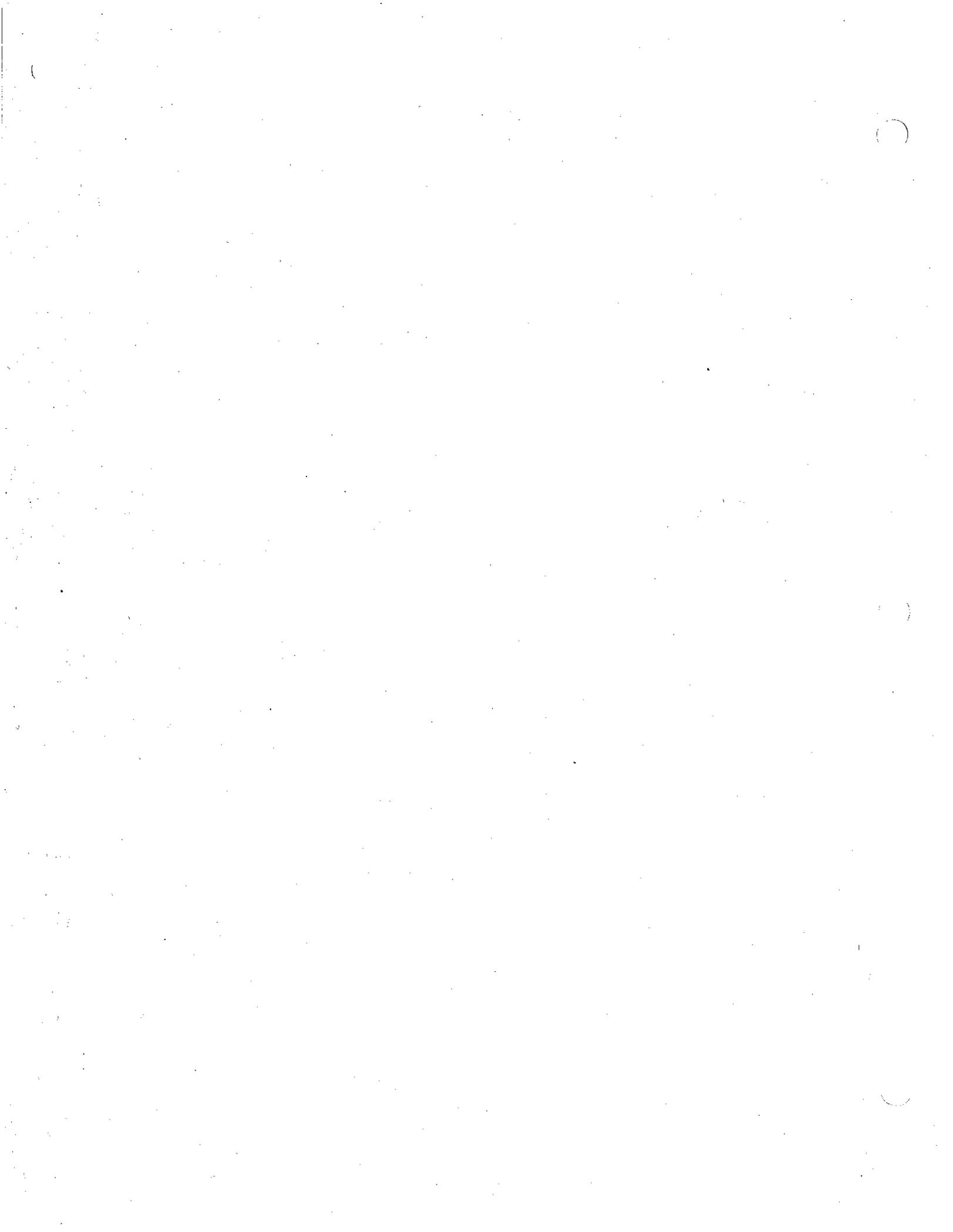
- 5) Are there Dissolved samples for the lab to filter? Yes No
Who was notified _____ Date _____ Time _____
- 6) Are there any samples "On Hold"? Yes No Stored where:
- 7) Are there any RUSH or SHORT HOLDING TIME samples? Yes No
Who was notified _____ Date _____ Time _____

8) Location where samples are stored: RD
 Permission to subcontract samples? Yes No
 (Walk-in clients only) if not, already approved
 Client Signature: _____

Containers sent in to Con-Test			
	# of containers		# of containers
1 Liter Amber	4	8 oz clear jar	17
500 mL Amber		4 oz clear jar	15
250 mL Amber (8oz amber)		2 oz clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic	1	Plastic Bag / Ziploc	
250 mL plastic	3	Air Cassette	
40 mL Vial - type listed below	56	Brass Sleeves	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Summa Cans	
Flashpoint bottle		Regulators	
Encore		Other	
		DI VIALS / ENCORE FROZEN AT:	
Laboratory Comments:			
02-26-09 14:52 001			

40 mL vials: # HCl 2 # Methanol 18
 # Bisulfate _____ # DI Water 36 Time and Date Frozen: _____
 # Thiosulfate _____ Unpreserved _____
 Do all samples have the proper pH? Yes No N/A pH < 2 T-CN: Ph < 12







39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 3/12/2009

AECOM - ROCKY HILL, CT
500 ENTERPRISE DRIVE, SUITE 1A
ROCKY HILL, CT 06067
ATTN: SARAH PERHALA

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-23695
JOB NUMBER: 60073489

PROJECT LOCATION: FACTORY H MERIDEN

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos.
ME-SB-01(0.5-1.5 F	09B06570	SOIL	Not Specified	slp - pah	
ME-SS-02(0-1 FT)	09B06571	SOIL	Not Specified	slp - pah	
ME-SS-06(0-1 FT)	09B06572	SOIL	Not Specified	slp - pah	



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REPORT DATE 3/12/2009

AECOM - ROCKY HILL, CT
500 ENTERPRISE DRIVE, SUITE 1A
ROCKY HILL, CT 06067
ATTN: SARAH PERHALA

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-23695
JOB NUMBER: 60073489

Comments :

LIMS BATCH NO. : LIMT-23695

CASE NARRATIVE SUMMARY

Recommended sample holding times were not exceeded for all samples analyzed by method(s) listed unless listed below:

In method 8270-SPLP for samples 09B06571 and 09B06572, recommended sample holding time has been exceeded. SPLP extractions for PAH analysis were performed on the 16th day after sampling.

All samples for the method(s) listed were received preserved properly in the proper containers at 4 degrees C +/- 2 degrees as specified on the chain-of-custody form unless listed below:
All properly preserved

In method 8270-SPLP, the benzidine tailing factor was outside of method specifications. Reduced sensitivity and resolution is expected for some base/neutral compounds.

In method 8270-SPLP ,any reported result for Indeno(1,2,3)pyrene, Dibenz(a,h)anthracene or Benzo(g,h,i)perylene is estimated and likely to be biased on the low side based on continuing calibration bias.

There are no (other) issues which affect the usability of the data.

DETAILED CASE NARRATIVE

METHOD SW846 8270 WATER - SPLP - ADDITIONAL COMMENTS

The tuning, initial, and continuing calibrations met all required performance standards for method 8270 except as listed below:

In method 8270- SPLP, data is not affected by continuing calibration check compound, pentachlorophenol, being outside of method requirements since only PAH compounds were requested and reported.

The LCS sample recoveries for required RCP 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for "difficult analytes" listed below and/or otherwise listed in this narrative:

Difficult analytes for water - limits between 10 and 150% depending on the compound
(see qc summary for limits): Benzoic Acid, Dimethylphthalate, Bis(2-chloroisopropyl)ether, Hexachlorocyclopentadiene, Pyridine, 4-Nitrophenol, and Phenol
Compounds outside of control limits:
None outside of control limits

All 8270 MS and MSD recoveries, sample duplicate RPD's, and MSD RPD's, if requested in this batch, were within control limits specified by the method unless listed below:
Matrix spike was performed and reported on sample 09B06571.

All RCP analyte list compounds were reported for method 8270 unless listed below:
In method 8270, only PAH compounds were requested and reported.



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

REPORT DATE 3/12/2009

AECOM - ROCKY HILL, CT
500 ENTERPRISE DRIVE, SUITE 1A
ROCKY HILL, CT 06067
ATTN: SARAH PERHALA

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-23695
JOB NUMBER: 60073489

The results of analyses performed are based on samples as submitted to the laboratory and relate only to the items collected and tested.

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations. AIHA accreditations only apply to NIOSH methods and Environmental Lead Analyses.

AIHA 100033	AIHA ELLAP (LEAD) 100033	NORTH CAROLINA CERT. # 652
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	FLORIDA DOH E871027 (AIR)
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Edward Denson 3/12/09
SIGNATURE DATE

Tod Kopyscinski
Air Laboratory Manager

Michael Erickson
Assistant Laboratory Director

Edward Denson
Technical Director

Daren Damboragian
Organics Department Supervisor

* See end of data tabulation for notes and comments pertaining to this sample



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AECOM - ROCKY HILL, CT
500 ENTERPRISE DRIVE, SUITE 1A
ROCKY HILL, CT 08067

3/12/2009
Page 1 of 4

Purchase Order No.:

Project Location: FACTORY H MERIDEN
Date Received: 3/5/2009
Field Sample #: ME-SB-01(0.5-1.5 FT)

LIMS-BAT #: LIMIT-23695
Job Number: 60073489

Sample ID: 09B06570 ‡Sampled: 2/19/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acenaphthene	ug/l	ND	03/10/09	BGL	0.30		
Acenaphthylene	ug/l	ND	03/10/09	BGL	0.30		
Anthracene	ug/l	0.20	03/10/09	BGL	0.20		
Benzo(a)anthracene	ug/l	0.210	03/10/09	BGL	0.050		
Benzo(a)pyrene	ug/l	0.200	03/10/09	BGL	0.100		
Benzo(b)fluoranthene	ug/l	0.200	03/10/09	BGL	0.050		
Benzo(g,h,i)perylene	ug/l	ND	03/10/09	BGL	0.500		
Benzo(k)fluoranthene	ug/l	ND	03/10/09	BGL	0.200		
Chrysene	ug/l	ND	03/10/09	BGL	0.20		
Dibenz(a,h)anthracene	ug/l	ND	03/10/09	BGL	0.200		
Fluoranthene	ug/l	ND	03/10/09	BGL	0.50		
Fluorene	ug/l	ND	03/10/09	BGL	1.00		
Indeno(1,2,3-cd)pyrene	ug/l	ND	03/10/09	BGL	0.200		
2-Methylnaphthalene	ug/l	ND	03/10/09	BGL	1.00		
Naphthalene	ug/l	ND	03/10/09	BGL	1.00		
Phenanthrene	ug/l	0.56	03/10/09	BGL	0.05		
Pyrene	ug/l	ND	03/10/09	BGL	1.00		

Analytical Method:
SW846 1312/8270

SAMPLES ARE LEACHED FOR 16-20 HOURS IN THE APPROPRIATE LEACHING SOLUTION ACCORDING TO SPLP. WATER SAMPLES ARE FILTERED, NOT EXTRACTED. THIS EXTRACT IS THEN EXTRACTED WITH METHYLENE CHLORIDE, FOLLOWED BY KUDERNA-DANISH EVAPORATIVE CONCENTRATION AND QUANTITATION BY GC/MS WITH TARGET COMPOUND ANALYSIS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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ROCKY HILL, CT 06067

3/12/2009

Page 2 of 4

Purchase Order No.:

Project Location: FACTORY H MERIDEN

LIMS-BAT #: LIMIT-23695

Date Received: 3/5/2009

Job Number: 60073489

Field Sample #: ME-SS-02(0-1 FT)

Sample ID: 09B06571

‡Sampled: 2/17/2009

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	ug/l	ND	03/10/09	BGL	0.30			
Acenaphthylene	ug/l	0.30	03/10/09	BGL	0.30			
Anthracene	ug/l	0.21	03/10/09	BGL	0.20			
Benzo(a)anthracene	ug/l	0.610	03/10/09	BGL	0.050			
Benzo(a)pyrene	ug/l	0.390	03/10/09	BGL	0.100			
Benzo(b)fluoranthene	ug/l	0.650	03/10/09	BGL	0.050			
Benzo(g,h,i)perylene	ug/l	ND	03/10/09	BGL	0.500			
Benzo(k)fluoranthene	ug/l	ND	03/10/09	BGL	0.200			
Chrysene	ug/l	0.49	03/10/09	BGL	0.20			
Dibenz(a,h)anthracene	ug/l	ND	03/10/09	BGL	0.200			
Fluoranthene	ug/l	1.18	03/10/09	BGL	0.50			
Fluorene	ug/l	ND	03/10/09	BGL	1.00			
Indeno(1,2,3-cd)pyrene	ug/l	ND	03/10/09	BGL	0.200			
2-Methylnaphthalene	ug/l	ND	03/10/09	BGL	1.00			
Naphthalene	ug/l	ND	03/10/09	BGL	1.00			
Phenanthrene	ug/l	1.66	03/10/09	BGL	0.05			
Pyrene	ug/l	1.14	03/10/09	BGL	1.00			

Analytical Method:

SW846 1312/8270

SAMPLES ARE LEACHED FOR 16-20 HOURS IN THE APPROPRIATE LEACHING SOLUTION ACCORDING TO SPLP. WATER SAMPLES ARE FILTERED, NOT EXTRACTED. THIS EXTRACT IS THEN EXTRACTED WITH METHYLENE CHLORIDE, FOLLOWED BY KUDERNA-DANISH EVAPORATIVE CONCENTRATION AND QUANTITATION BY GC/MS WITH TARGET COMPOUND ANALYSIS.

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 ROCKY HILL, CT 06067

3/12/2009
 Page 3 of 4

Purchase Order No.:

Project Location: FACTORY H MERIDEN
 Date Received: 3/5/2009
 Field Sample #: ME-SS-06(0-1 FT)

LIMS-BAT #: LIMIT-23695
 Job Number: 60073489

Sample ID : 09B06572 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	ug/l	ND	03/10/09	BGL	0.30			
Acenaphthylene	ug/l	ND	03/10/09	BGL	0.30			
Anthracene	ug/l	ND	03/10/09	BGL	0.20			
Benzo(a)anthracene	ug/l	ND	03/10/09	BGL	0.050			
Benzo(a)pyrene	ug/l	ND	03/10/09	BGL	0.100			
Benzo(b)fluoranthene	ug/l	ND	03/10/09	BGL	0.050			
Benzo(g,h,i)perylene	ug/l	ND	03/10/09	BGL	0.500			
Benzo(k)fluoranthene	ug/l	ND	03/10/09	BGL	0.200			
Chrysene	ug/l	ND	03/10/09	BGL	0.20			
Dibenz(a,h)anthracene	ug/l	ND	03/10/09	BGL	0.200			
Fluoranthene	ug/l	ND	03/10/09	BGL	0.50			
Fluorene	ug/l	ND	03/10/09	BGL	1.00			
Indeno(1,2,3-cd)pyrene	ug/l	ND	03/10/09	BGL	0.200			
2-Methylnaphthalene	ug/l	ND	03/10/09	BGL	1.00			
Naphthalene	ug/l	ND	03/10/09	BGL	1.00			
Phenanthrene	ug/l	ND	03/10/09	BGL	0.05			
Pyrene	ug/l	ND	03/10/09	BGL	1.00			

Analytical Method:
 SW846 1312/8270

SAMPLES ARE LEACHED FOR 16-20 HOURS IN THE APPROPRIATE LEACHING SOLUTION ACCORDING TO SPLP. WATER SAMPLES ARE FILTERED, NOT EXTRACTED. THIS EXTRACT IS THEN EXTRACTED WITH METHYLENE CHLORIDE, FOLLOWED BY KUDERNA-DANISH EVAPORATIVE CONCENTRATION AND QUANTITATION BY GC/MS WITH TARGET COMPOUND ANALYSIS.

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ROCKY HILL, CT 06067

3/12/2009
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Purchase Order No.:

Project Location: FACTORY H MERIDEN
Date Received: 3/5/2009

LIMS-BAT #: LIMIT-23695
Job Number: 60073489

** END OF REPORT **

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 3/12/2009

Lims Bat #: LIMIT-23695

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QC Batch Number: GCMS/SEMI-12017

Sample Id	Analysis	QC Analysis	Values	Units	Limits	
09B06570	Nitrobenzene-d5	Surrogate Recovery	89.8	%	30-130	
	2-Fluorobiphenyl	Surrogate Recovery	79.5	%	30-130	
	Terphenyl-d14	Surrogate Recovery	88.9	%	30-130	
09B06571	Naphthalene	Sample Amount	<1.00	ug/l		
		Matrix Spk Amt Added	100.00	ug/l		
		MS Amt Measured	59.36	ug/l		
		Matrix Spike % Rec.	59.36	%	40-140	
	Acenaphthene	Sample Amount	<0.30	ug/l		
		Matrix Spk Amt Added	100.00	ug/l		
		MS Amt Measured	59.81	ug/l		
		Matrix Spike % Rec.	59.81	%	40-140	
	Acenaphthylene	Sample Amount	0.30	ug/l		
		Matrix Spk Amt Added	100.00	ug/l		
		MS Amt Measured	58.20	ug/l		
		Matrix Spike % Rec.	57.90	%	40-140	
	Anthracene	Sample Amount	0.21	ug/l		
		Matrix Spk Amt Added	100.00	ug/l		
		MS Amt Measured	65.83	ug/l		
		Matrix Spike % Rec.	65.62	%	40-140	
	Benzo(a)anthracene	Sample Amount	0.810	ug/l		
		Matrix Spk Amt Added	100.000	ug/l		
		MS Amt Measured	71.890	ug/l		
		Matrix Spike % Rec.	71.280	%	40-140	
	Benzo(a)pyrene	Sample Amount	0.390	ug/l		
		Matrix Spk Amt Added	100.000	ug/l		
		MS Amt Measured	75.420	ug/l		
		Matrix Spike % Rec.	75.030	%	40-140	
Benzo(b)fluoranthene	Sample Amount	0.650	ug/l			
	Matrix Spk Amt Added	100.000	ug/l			
	MS Amt Measured	76.500	ug/l			
	Matrix Spike % Rec.	75.850	%	40-140		
Benzo(g,h,i)perylene	Sample Amount	<0.500	ug/l			
	Matrix Spk Amt Added	100.000	ug/l			
	MS Amt Measured	60.940	ug/l			
	Matrix Spike % Rec.	60.940	%	40-140		
Chrysene	Sample Amount	0.49	ug/l			
	Matrix Spk Amt Added	100.00	ug/l			
	MS Amt Measured	73.31	ug/l			
	Matrix Spike % Rec.	72.81	%	40-140		
Dibenz(a,h)anthracene	Sample Amount	<0.200	ug/l			
	Matrix Spk Amt Added	100.000	ug/l			
	MS Amt Measured	68.660	ug/l			



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

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Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 3/12/2009

Lims Bat #: LIMT-23695

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QC Batch Number: GCMS/SEMI-12017

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B06571	Dibenz(a,h)anthracene	Matrix Spike % Rec.	68.660	%	40-140
		Sample Amount	1.18	ug/l	
	Fluoranthene	Matrix Spk Amt Added	100.00	ug/l	
		MS Amt Measured	69.94	ug/l	
	Fluorene	Matrix Spike % Rec.	68.76	%	40-140
		Sample Amount	<1.00	ug/l	
	Indeno(1,2,3-cd)pyrene	Matrix Spk Amt Added	100.00	ug/l	
		MS Amt Measured	66.12	ug/l	
	2-Methylnaphthalene	Matrix Spike % Rec.	66.12	%	40-140
		Sample Amount	<0.200	ug/l	
	Phenanthrene	Matrix Spk Amt Added	100.000	ug/l	
		MS Amt Measured	68.020	ug/l	
	Pyrene	Matrix Spike % Rec.	68.020	%	40-140
		Sample Amount	<1.00	ug/l	
	Benzo(k)fluoranthene	Matrix Spk Amt Added	100.00	ug/l	
		MS Amt Measured	55.14	ug/l	
	Nitrobenzene-d5	Matrix Spike % Rec.	55.14	%	40-140
		Sample Amount	1.66	ug/l	
	2-Fluorobiphenyl	Matrix Spk Amt Added	100.00	ug/l	
		MS Amt Measured	69.66	ug/l	
	Terphenyl-d14	Matrix Spike % Rec.	68.00	%	40-140
Sample Amount		1.13	ug/l		
Nitrobenzene-d5	Matrix Spk Amt Added	100.00	ug/l		
	MS Amt Measured	71.84	ug/l		
2-Fluorobiphenyl	Matrix Spike % Rec.	70.70	%	40-140	
	Sample Amount	<0.200	ug/l		
Terphenyl-d14	Matrix Spk Amt Added	100.000	ug/l		
	MS Amt Measured	72.810	ug/l		
09B06572	Matrix Spike % Rec.	72.810	%	40-140	
	Surrogate Recovery	70.5	%	30-130	
BLANK-130459	Surrogate Recovery	65.6	%	30-130	
	Surrogate Recovery	60.4	%	30-130	
BLANK-130459	Nitrobenzene-d5	Surrogate Recovery	76.8	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	67.7	%	30-130
BLANK-130459	Terphenyl-d14	Surrogate Recovery	64.4	%	30-130
	Naphthalene	Blank	<1.00	ug/l	
BLANK-130459	Acenaphthene	Blank	<0.30	ug/l	
	Acenaphthylene	Blank	<0.30	ug/l	
BLANK-130459	Anthracene	Blank	<0.20	ug/l	
	Benzo(a)anthracene	Blank	<0.050	ug/l	
BLANK-130459	Benzo(a)pyrene	Blank	<0.100	ug/l	



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

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Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 3/12/2009

Lims Bat # : LIMIT-23695

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QC Batch Number: GCMS/SEMI-12017

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-130459					
	Benzo(b)fluoranthene	Blank	<0.050	ug/l	
	Benzo(g,h,i)perylene	Blank	<0.500	ug/l	
	Chrysene	Blank	<0.20	ug/l	
	Dibenz(a,h)anthracene	Blank	<0.200	ug/l	
	Fluoranthene	Blank	<0.50	ug/l	
	Fluorene	Blank	<1.00	ug/l	
	Indeno(1,2,3-cd)pyrene	Blank	<0.200	ug/l	
	2-Methylnaphthalene	Blank	<1.00	ug/l	
	Phenanthrene	Blank	<0.05	ug/l	
	Pyrene	Blank	<1.00	ug/l	
	Benzo(k)fluoranthene	Blank	<0.200	ug/l	
LFBLANK-92646					
	Naphthalene	Lab Fort Blank Amt.	100.00	ug/l	
		Lab Fort Blk. Found	63.92	ug/l	
		Lab Fort Blk. % Rec.	63.92	%	40-140
	Acenaphthene	Lab Fort Blank Amt.	100.00	ug/l	
		Lab Fort Blk. Found	66.78	ug/l	
		Lab Fort Blk. % Rec.	66.78	%	40-140
	Acenaphthylene	Lab Fort Blank Amt.	100.00	ug/l	
		Lab Fort Blk. Found	65.45	ug/l	
		Lab Fort Blk. % Rec.	65.45	%	40-140
	Anthracene	Lab Fort Blank Amt.	100.00	ug/l	
		Lab Fort Blk. Found	71.59	ug/l	
		Lab Fort Blk. % Rec.	71.59	%	40-140
	Benzo(a)anthracene	Lab Fort Blank Amt.	100.000	ug/l	
		Lab Fort Blk. Found	78.150	ug/l	
		Lab Fort Blk. % Rec.	78.150	%	40-140
	Benzo(a)pyrene	Lab Fort Blank Amt.	100.000	ug/l	
		Lab Fort Blk. Found	82.250	ug/l	
		Lab Fort Blk. % Rec.	82.250	%	40-140
	Benzo(b)fluoranthene	Lab Fort Blank Amt.	100.000	ug/l	
		Lab Fort Blk. Found	84.360	ug/l	
		Lab Fort Blk. % Rec.	84.360	%	40-140
	Benzo(g,h,i)perylene	Lab Fort Blank Amt.	100.000	ug/l	
		Lab Fort Blk. Found	62.430	ug/l	
		Lab Fort Blk. % Rec.	62.430	%	40-140
	Chrysene	Lab Fort Blank Amt.	100.00	ug/l	
		Lab Fort Blk. Found	79.50	ug/l	
		Lab Fort Blk. % Rec.	79.50	%	40-140
	Dibenz(a,h)anthracene	Lab Fort Blank Amt.	100.000	ug/l	
		Lab Fort Blk. Found	69.980	ug/l	
		Lab Fort Blk. % Rec.	69.980	%	40-140
	Fluoranthene	Lab Fort Blank Amt.	100.00	ug/l	



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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 3/12/2009

Lims Bat # : LIMIT-23695

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QC Batch Number: GCMS/SEMI-12017

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92646	Fluoranthene	Lab Fort Blk. Found	79.37	ug/l	
		Lab Fort Blk. % Rec.	79.37	%	40-140
	Fluorene	Lab Fort Blank Amt.	100.00	ug/l	
		Lab Fort Blk. Found	72.98	ug/l	
	Indeno(1,2,3-cd)pyrene	Lab Fort Blk. % Rec.	72.98	%	40-140
		Lab Fort Blank Amt.	100.000	ug/l	
	2-Methylnaphthalene	Lab Fort Blk. Found	72.180	ug/l	
		Lab Fort Blk. % Rec.	72.180	%	40-140
		Lab Fort Blank Amt.	100.00	ug/l	
	Phenanthrene	Lab Fort Blk. Found	62.00	ug/l	
		Lab Fort Blk. % Rec.	62.00	%	40-140
		Lab Fort Blank Amt.	100.00	ug/l	
	Pyrene	Lab Fort Blk. Found	73.70	ug/l	
		Lab Fort Blk. % Rec.	73.70	%	40-140
		Lab Fort Blank Amt.	100.00	ug/l	
	Benzo(k)fluoranthene	Lab Fort Blk. Found	77.72	ug/l	
		Lab Fort Blk. % Rec.	77.72	%	40-140
		Lab Fort Blank Amt.	100.000	ug/l	
		Lab Fort Blk. Found	80.860	ug/l	
		Lab Fort Blk. % Rec.	80.860	%	40-140



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QC SUMMARY REPORT

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Method Blanks

Report Date: 3/12/2009

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QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER	This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.
LIMITS	Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.
Sample Amount	Amount of analyte found in a sample.
Blank	Method Blank that has been taken though all the steps of the analysis.
LFBLANK	Laboratory Fortified Blank (a control sample)
STDADD	Standard Added (a laboratory control sample)
Matrix Spk Amt Added	Amount of analyte spiked into a sample
MS Amt Measured	Amount of analyte found including amount that was spiked
Matrix Spike % Rec.	% Recovery of spiked amount in sample.
Duplicate Value	The result from the Duplicate analysis of the sample.
Duplicate RPD	The Relative Percent Difference between two Duplicate Analyses.
Surrogate Recovery	The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.
Sur. Recovery (ELCD)	Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID)	Surrogate Recovery on the Photoionization Detector.
Standard Measured	Amount measured for a laboratory control sample
Standard Amt Added	Known value for a laboratory control sample
Standard % Recovery	% recovered for a laboratory control sample with a known value.
Lab Fort Blank Amt	Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found	Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec	Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt	Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd	Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec	Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range	Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).
Lab Fort Bl. Av. Rec.	Laboratory Fortified Blank Average Recovery
Duplicate Sample Amt	Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added	Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured	Matrix Spike Duplicate Amount Measured
MSD % Recovery	Matrix Spike Duplicate % Recovery
MSD Range	Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries



REASONABLE CONFIDENCE PROTOCOL

LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: AECOM

Project Location: FACTORY # MERIDEN

Project Number: L1MT-23695

Laboratory Sample ID(s): 09B06570-09B06572 Sampling Date(s): 2/19/09.

List RCP Methods Used (e.g., 8260, 8270, et cetera) 8270

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1A	Were the method specified preservation and holding time requirements met?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
1B	<i>VPH and EPH Methods only:</i> Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3	Were samples received at an appropriate temperature (<6° C°)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5	a) Were reporting limits specified or referenced on the chain-of-custody?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	b) Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Edward Denson Position: Technical Director

Printed Name: Edward Denson

Date: 3/12/09

Name of Laboratory: CON-TEST ANALYTICAL LABORATORY

This certification form is to be used for RCP methods only.



Phone: 413-525-2332
 Fax: 413-525-6405
 Email: info@contestlabs.com
 www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 SPRUCE ST, 2ND FLOOR
 EAST LONGMEADOW, MA 01028

Company Name: PECOM
 Address: ROCKY HILL
SPRINGFIELD / JBD0005

Telephone: 800 263 5800
 Project # 100073489
 Client PO #

Attention: FACTORY H - MARIAN
 Project Location: SPRINGFIELD
 Sampled By: SPRINGFIELD

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT
 Email: EXCEL PDF GIS KEY
 OTHER

Proposal Provided? (For Billing purposes)
 Yes 1/08 proposal date Yes No

State Form Required?
 Yes No

Field ID	Sample Description	Lab #	Date Sampled	Start Date/Time	Stop Date/Time	Comp-oste	Grab	*Matrix Code	Code	Code	ANALYSIS REQUESTED	# of containers
ME-SB-05	0.51.5'	04968	1:30			X		3	0		VOCs 8260 PAHs RCRA 8 METALS CDEP 15 METALS CDEPH CYANIDE #GLASS VES 8 per lot	3
ME-SB-05	5.5-6'	04969	1:30			X		3	0			1
TB	021909	04970				X		C	C			
EB	021909	04971	5:00			X		C	C			

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Received by: (signature) [Signature] Date/Time: 02-19-09 4:30
 Received by: (signature) [Signature] Date/Time: 02/20/09 12:50pm
 Received by: (signature) [Signature] Date/Time: 2/20/09 14:22
 Received by: (signature) [Signature] Date/Time: 02/20/09 14:30

Turnaround **
 5-DAY
 10-DAY
 Other
 RUSH *
 *24-Hr *48-Hr
 *72-Hr *4-Day

Detection Limit Requirements
 Regulations? QA/QC
 Data Enhancement Project/RCP? Y N
 Special Requirements or DL's: PSLs

*Matrix Code:
 GW = groundwater
 WW = wastewater
 DW = drinking water
 A = air
 S = soil/solid
 SL = sludge
 O = other LAB DI

**Preservation Codes:
 I = Iodid
 H = HCL
 M = Methanol
 N = Nitric Acid
 S = Sulfuric Acid
 B = Sodium bisulfate
 X = Na hydroxide
 T = Na thiosulfate

TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

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CHAIN OF CUSTODY RECORD

Limit #22695
 Lot # 23332

39 SPRUCE ST, 2ND FLOOR
 EAST LONGMEADOW, MA 01028

Company Name: PECOM
 Address: ADDYME DRIVE DR, SHELTON
ROCKY HILL CT
 Attention: S. BURMAN / S. BONDS

Project Location: WALDEN FACTORY #
 Sampled By: SPENCER / BONDUCCI

Proposal Provided? (For Billing purposes)
 yes 1/18 proposal date no

State Form Required? yes no
 Telephone: 800 210 35800
 Project # 100073489
 Client PO # _____
 DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT
 Email: _____
 EXCEL PDF GIS KEY
 OTHER

Field ID	Sample Description	Lab #	Start Date/Time	Stop Date/Time	Comp-oste	Grab	*Matrix Conc. Code	ANALYSIS REQUESTED	# of containers
②	ME-SS-01	04553	2/17/09	11:40	X		S	PAHs Lead Copper ETPH CTOP 15 metals VOCs SPLP PAH	1
②	ME-SS-02	04554 06571	2/17/09	12:40	X		S		1
	ME-SS-03	04555	2/17/09	12:10	X		S		1
	ME-SS-04	04556	2/17/09	13:15	X		S		1
	ME-SS-05	04557	2/17/09	12:00	X		S		1
④	ME-SS-06	04558 06572	2/17/09	13:40	X		S		1
	ME-SS-07	04559	2/17/09	10:20	X		S		1
	ME-SS-08	04560	2/17/09	14:00	X		S		1

DI VIALS / ENCORE
 FROZEN AT:
 02-18-09 14:53 OUT

7A 17B 90

Relinquished by: (signature) _____ Date/Time: 2/18/09 9 AM
 Received by: (signature) _____ Date/Time: 2/18/09 9 AM
 Relinquished by: (signature) _____ Date/Time: 2/18/09 2:45
 Received by: (signature) _____ Date/Time: 2/18/09 14:15

Turnaround **
 1-3 Day
 10-Day
 Other _____
 *24-Hr *48-Hr *72-Hr *4-Day
 RUSH *
 Require lab approval

Detection Limit Requirements
 Regulations? MS / GAPPA
 Data Enhancement Project/RCP? Y N
 Special Requirements or DL's: MS / GAPPA

*Matrix Codes:
 GW = groundwater
 WW = wastewater
 DW = drinking water
 A = air
 S = soil/solid
 SL = sludge
 O = other

**Preservation Codes:
 I = Iced
 H = HCL
 M = Methanol
 N = Nitric Acid
 S = Sulfuric Acid
 B = Sodium bisulfate
 O = Other

**TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY CLIENT.

AIHA, NELAC & WBF Certified



Phone: 413-525-2332
 Fax: 413-525-6405
 Email: info@contestlabs.com
 www.contestlabs.com

Limit # 23695
 Chain of Custody Record
 Lot # 23222

39 SPRUCE ST, 2ND FLOOR
 EAST LONGMEADOW, MA 01028

Page 2 of 4

Company Name: AECOM

Address: ACRYL HILL

Attention: 9 SPRUCE ST, 2ND FLOOR

Project Location: FACTORY - MAULDEN

Sampled By: S. PARRA / N. SELWICK

Proposal Provided? (For Billing purposes) yes no
 proposal date NOV 08

State Form Required? yes no

Client PO # 800 21035800

Project # 60073489

Telephone: 800 21035800

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT

Fax #: _____

Email: _____

Format: EXCEL PDF GIS KEY

OTHER

Field ID Sample Description Lab # 1048

ME-SB-06 0-1' 04561

ME-SB-06 2-3' 04562

ME-SB-07 0-1' 04563

ME-SB-07 2-4' 04564

ME-SB-10 0-1' 04565

ME-SB-11 0-6" 04566

ME-SB-11 1-15' 04566

ME-SB-12 0-1' 04567

Field ID	Sample Description	Lab #	Start Date/Time	Stop Date/Time	Comp-oste	Grab	*Matrix Code	*Conc. Code
ME-SB-06	0-1'	04561	2/17/09	9:17			5	
ME-SB-06	2-3'	04562		9:22			5	
ME-SB-07	0-1'	04563		9:35			5	
ME-SB-07	2-4'	04564		9:55			5	
ME-SB-10	0-1'	04565		11:00			5	
ME-SB-11	0-6"	04566		12:45			5	
ME-SB-11	1-15'	04566		12:50			5	
ME-SB-12	0-1'	04567		10:15			5	

ANALYSIS REQUESTED	Matrix Code	Conc. Code
VOCs	X	
PAHs	X	
Lead	X	
MIX	X	
CTDEP 15/2ml	X	

Client: _____
 Comments: _____
 FROZEN AT: 02-13-09 14:53 OUT
 HOLD

Please use the following codes to let Cont-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

*Matrix Code: _____

**Preservation Codes: _____

I = Iced X = Na hydroxide

H = HCL T = Na thiosulfate

M = Methanol N = Nitric Acid

S = Sulfuric Acid B = Sodium bisulfate

O = Other

Relinquished by (signature): _____
 Date/Time: 2/18/09 9:00

Requested by (signature): _____
 Date/Time: 2/18/09 9:00

Received by (signature): _____
 Date/Time: 2/18/09 2:45

Turnaround **
 7-10 Day
 10-15 Day
 Other _____
 RUSH *
 *24-Hr *48-Hr
 *72-Hr *4-Day
 Require lab approval _____

Detection Limit Requirements
 Regulations? _____
 Data Enhancement Project/RCP? Y N
 Special Requirements or DLS: _____

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

AIHA, NELAP & WBE/DBE Certified



Company Name: PECOM
 Address: ROCKY HILL
3 BUCKINGHAM ST DENNIS

Phone: 413-525-2332
 Fax: 413-525-6405
 Email: info@contestlabs.com
 www.contestlabs.com

Chain of Custody Record
 Lot # 23332
 Lot # 23332

39 SPRUCE ST, 2ND FLOOR
 EAST LONGMEADOW, MA 01028

Page 3 of 4

Telephone: 800 210 5580
 Project # 6007-3489
 Client PO #

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT
 Fax #:
 Email:
 Format: EXCEL PDF GIS KEY
 OTHER

Proposal Provided? (For Billing purposes)
 Yes No
 State Form Required?
 Yes No

Field ID	Sample Description	Lab #	Start Date/Time	Stop Date/Time	Comp- osite	Grab	Matrix Code	Conc. Code	Analysis Requested	# of containers	Preservation
ME-SS-02	2-4	048									
ME-SS-03	2-4										
ME-SS-04	1-4										
ME-SS-06	2-4										
ME-SS-07	4-5										

Laboratory Comments:
 Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) [Signature] Date/Time: 2-18-09 9 AM
 Received by: (signature) [Signature] Date/Time: 2-18-09 9 AM
 Relinquished by: (signature) [Signature] Date/Time: 2-18-09 7:45
 Received by: (signature) [Signature] Date/Time: 2/18/09 11:15

Turnaround **
 5-7 Day
 10-Day
 Other
 RUSH *
 *24-Hr *48-Hr *72-Hr *4-Day
 * Require lab approval

Detection Limit Requirements
 Regulations? YES
 Data Enhancement Project/RCP? BY Y N
 Special Requirements NO PL
KOYS

TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY, IT IS INCORRECT. TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY CLIENT.

AIHA, NELAC & WBE Certified

CLIENT COMMENTS:
 FROZEN AT:
 02-18-09 14:53 OUT
LA



Phone: 413-525-2332
 Fax: 413-525-6405
 Email: info@contestlabs.com
 www.contestlabs.com

Chain of Custody Record
 Limit # 23695
 Lot # 23332

39 SPRUCE ST, 2ND FLOOR
 EAST LONGMEADOW, MA 01028

Page 4 of 4

Company Name: ACCOM
 Address: ACCOM
 Attention: SP/ASB

Project Location: BUYANONFACTORY
 Sampled By: SP/ASB

Proposal Provider? (For Billing purposes) Yes 11/10/09 proposal date
 State Form Required? Yes No

Telephone: 910 2103 5800
 Project # 000073489
 Client PO #
 DATA DELIVERY (check one):
 FAX DEMAIL WEBSITE CLIENT
 Email: EXCEL PDF GIS KEY

Field ID	Sample Description	Lab #	Start Date/Time	Stop Date/Time	Comp-site	Grab	Matrix Code	Conc. Code	ANALYSIS REQUESTED	# of containers
1	ME-SS-DVP	04568	2/11/09	9:55			S		VOC, PAHs, Pb, Copper, TPH, 15 metals	
	ME-SS-DVP	04569		11:00			S			
	ME-SS-09	04570		10:25			S			
	ME-SS-09	0-0.5'		10:25			S			
	Trip Blank 021709	04571								

Laboratory Comments: DIAGNALS/ENCORE FROZEN AT 02-10-09 14:53 OUT

Revised by (signature) [Signature] Date/Time: 02/18/09 9:00

Received by (signature) [Signature] Date/Time: 2/18/09 2:45

Turnaround **
 5-10 Day
 10-Day
 Other
 RUSH *
 24-Hr 48-Hr 72-Hr 4-Day

Detection Limit Requirements
 Regulations? MS/ESTRUC
 Data Enhancement Project/RCP? N

Special Requirements of PDL's: MS/ESTRUC

Matrix Codes:
 GW = groundwater
 WW = wastewater
 DW = drinking water
 A = air
 S = soil/solid
 SL = sludge
 O = other

Preservation Codes:
 I = lead
 H = HCL
 M = Methanol
 N = Nitric Acid
 S = Sulfuric Acid
 B = Sodium bisulfate
 X = Na hydroxide
 T = Na thiosulfate

* Turnaround time starts at 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

SAMPLE REACTIVATION FORM

COMPANY AECOM LOCATION 7A, 8D

CONTACT Sarah Peshala PROJECT ID Factory-H, Meriden

CONTACT PHONE 860-263-5746 FAX _____

DATE 3/5/09 TIME 10:46 am TAT Standard DUE DATE _____

REQUEST TAKEN BY Holly Tolson GIVEN TO _____

ACTIVATION REQUEST:

ME-SB-01 (0.5-1.5')

ME-SS-02 (0-1')

ME-SS-06 (0-1')

SPLP PAH's

* Hold time up on two, one up this afternoon!

(*see attached email)

SPECIAL INSTRUCTIONS AND TERMS:

FAXED TO CONTACT FOR APPROVAL: Y N

ACTIVATION IS CORRECT PER OUR REQUEST _____ DATE _____
INITIALS

CONTEST FINAL APPROVAL

M. Kelly

Holly L. Folsom

From: "Perhala, Sarah" <Sarah.Perhala@aecom.com>
To: "Holly L. Folsom" <hfolsom@contestlabs.com>
Sent: Thursday, March 05, 2009 10:46 AM
Subject: RE: SPLP analyses

Sorry – both of those "MW" samples should be "ME"

From: Holly L. Folsom [mailto:hfolsom@contestlabs.com]
Sent: Thursday, March 05, 2009 10:27 AM
To: Perhala, Sarah
Subject: Re: SPLP analyses

Hi Sarah,

Thanks for the email. I will get these activated ASAP. If there are any questions, I will let you know.

Thanks, Holly

----- Original Message -----

From: Perhala, Sarah
To: Holly L. Folsom
Sent: Thursday, March 05, 2009 10:24 AM
Subject: SPLP analyses

Hi Holly

I need to activate a couple samples from the Meriden project for SPLP analyses for PAHs as soon as you can – some have already exceeded hold time and 1 may be coming down to the hour

The 2 out of hold time are from LIMT-23332:
 ME-SS-02 (0-1')
 MW-SS-06 (0-1')

1 is from LIMT-23411:
 MW-SB-01 (0.5-1.5')

Please send a confirmation email when you get this so i know the samples are being activated

Thank you!

Sarah Perhala
 Environmental Scientist
 AECOM Environment
 Direct Phone: 860.263.5746
 Cell: 860.581.0562
sarah.perhala@aecom.com

Our office has moved! Please note our new address and contact information.

AECOM
 500 Enterprise Drive, Suite 1A
 Rocky Hill, Connecticut 06067
 Office Phone: 860.263.5800
 Fax: 860.263.5777
www.aecom.com

Metcalf & Eddy's parent company, AECOM Technology Corporation, is evolving to better serve its global clients. AECOM is forming a global business line – AECOM Environment – by utilizing the skills and capabilities from across its global environmental operations, including resources from ENSR, Earth Tech, STS and Metcalf & Eddy. AECOM Environment is

3/5/2009

devoted to providing quality environmental services to its global clients. With access to approximately 4,200 staff in 20 countries, AECOM Environment will be one of five new AECOM business lines, which also include AECOM Water, AECOM Transportation, AECOM Design, and AECOM Energy.

AECOM Environment provides a blend of global reach, local knowledge, innovation, and technical excellence in delivering solutions that enhance and sustain the world's built, natural, and social environments. Though our appearance is changing, our commitment to the success of your projects and your organization remains strong. We will keep you apprised of future details.

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39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 3/17/2009

AECOM - ROCKY HILL, CT
500 ENTERPRISE DRIVE, SUITE 1A
ROCKY HILL, CT 06067
ATTN: SARAH PERHALA

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-23748

JOB NUMBER: 60073489

PROJECT LOCATION: FACTORY H, MERIDEN

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos.
ME-MW-02 4.5-5 FT	09B06850	SOIL	Not Specified	splp - ag 6020	
ME-MW-02 4.5-5 FT	09B06850	SOIL	Not Specified	splp - as 6020	
ME-MW-02 4.5-5 FT	09B06850	SOIL	Not Specified	splp - ni 6020	
ME-MW-02 4.5-5 FT	09B06850	SOIL	Not Specified	splp - pb 6020	
ME-MW-02 4.5-5 FT	09B06850	SOIL	Not Specified	splp - sb 6020	
ME-MW-02 4.5-5 FT	09B06850	SOIL	Not Specified	splp - tl 6020	
ME-MW-02 4.5-5 FT	09B06850	SOIL	Not Specified	splp - v 6020	
ME-SB-01 0.5-1.5 F	09B06848	SOIL	Not Specified	splp - cr 6020	
ME-SB-01 0.5-1.5 F	09B06848	SOIL	Not Specified	splp - cyanide	
ME-SB-01 0.5-1.5 F	09B06848	SOIL	Not Specified	splp - pb 6020	
ME-SB-01 8-9 FT	09B06849	SOIL	Not Specified	splp - cyanide	
ME-SB-05 5.5-6 FT	09B06851	SOIL	Not Specified	splp - ag 6020	
ME-SB-05 5.5-6 FT	09B06851	SOIL	Not Specified	splp - ba 6020	
ME-SB-05 5.5-6 FT	09B06851	SOIL	Not Specified	splp - cr 6020	
ME-SB-05 5.5-6 FT	09B06851	SOIL	Not Specified	splp - pb 6020	
ME-SB-05 5.5-6 FT	09B06851	SOIL	Not Specified	splp mercury	
ME-SB-07 2-4 FT	09B06856	SOIL	Not Specified	splp - pb 6020	
ME-SS-02 0-1 FT	09B06852	SOIL	Not Specified	splp - cu 6020	
ME-SS-05 0-1 FT	09B06853	SOIL	Not Specified	splp - cu 6020	
ME-SS-06 0-1 FT	09B06855	SOIL	Not Specified	splp - pb 6020	
ME-SS-07 0-1 FT	09B06854	SOIL	Not Specified	splp - pb 6020	
ME-SS-09 1-1.5 FT	09B06858	SOIL	Not Specified	splp - cr 6020	
ME-SS-09 1-1.5 FT	09B06858	SOIL	Not Specified	splp - pb 6020	
ME-SS-09 1-1.5 FT	09B06858	SOIL	Not Specified	splp - sb 6020	
ME-SS-09 1-1.5 FT	09B06858	SOIL	Not Specified	splp - tl 6020	
ME-SS-09 1-1.5 FT	09B06858	SOIL	Not Specified	splp - v 6020	
ME-SS-12 0-1 FT	09B06857	SOIL	Not Specified	splp - cu 6020	
ME-SS-12 0-1 FT	09B06857	SOIL	Not Specified	splp - se 6020	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 3/17/2009



AECOM - ROCKY HILL, CT
500 ENTERPRISE DRIVE, SUITE 1A
ROCKY HILL, CT 06067
ATTN: SARAH PERHALA

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-23748
JOB NUMBER: 60073489

Comments :

LIMS BATCH NO. : LIMIT-23748

CASE NARRATIVE SUMMARY

Recommended sample holding times were not exceeded for all samples unless listed below:
None Exceeded

All samples for the method(s) listed were received preserved properly in the proper containers at 4°C +/- 2 degrees as specified on the chain-of-custody form unless listed below:
All properly preserved

In method 1312-SPLP, for sample 09B06857, due to limited sample volume, less than the method recommended amount (100g) was used for extraction. Liquid to Solid ratio was met. (20:1)

In method 6020, the ICSAB was outside of control limits for Cu. Any reported result for this element may be biased on the low side in the presence of high inter-element interference.

There are no other analytical issues which affect the usability of the data.

DETAILED CASE NARRATIVE

METHOD SW846 7470/7471A - ADDITIONAL COMMENTS

Matrix spike performed on SPLP sample 09B06851.

METHOD SW846-6020 - ADDITIONAL COMMENTS

Matrix spike performed on samples 09B06858, 09B06857, and 09B06852. The matrix spike for 09B06852 was outside of control limits for Cu, however, the sample concentration was >4X the spike concentration and representative recovery may not be obtainable.

Only Ag, As, Ba, Cr, Cu, Ni, Pb, Sb, Se, Tl, and V were requested and reported.

Samples 09B06848, 09B06858, and 09B06857 were diluted 1:2 due to interference causing high Sc internal standard recoveries. This dilution affects the Cr result for 09B06848; Cr and V results for 09B06858; and the Cu result for 09B06857. Sample 09B06852 was diluted 1:20 to obtain a Cu result within the linear dynamic range.

METHOD SW846 9014 - ADDITIONAL COMMENTS

A matrix spike and a matrix spike duplicate were performed on sample 09B06849.

The results of analyses performed are based on samples as submitted to the laboratory and relate only to the items collected and tested.

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations. AIHA accreditations only apply to NIOSH methods and Environmental Lead Analyses.

AIHA 100033	AIHA ELLAP (LEAD) 100033	NORTH CAROLINA CERT. # 652
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	FLORIDA DOH E871027 (AIR)
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	



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REPORT DATE 3/17/2009

AECOM - ROCKY HILL, CT
500 ENTERPRISE DRIVE, SUITE 1A
ROCKY HILL, CT 06067
ATTN: SARAH PERHALA

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-23748

JOB NUMBER: 60073489

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Tod Kopyscinski
Air Laboratory Manager

Michael Erickson
Assistant Laboratory Director

SIGNATURE

DATE

Edward Denson
Technical Director

Daren Damboragian
Organics Department Supervisor

* See end of data tabulation for notes and comments pertaining to this sample



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Purchase Order No.:

Project Location: FACTORY H, MERIDEN
Date Received: 3/6/2009
Field Sample #: ME-MW-02 4.5-5 FT

LIMS-BAT #: LIMIT-23748
Job Number: 60073489

Sample ID : 09B06850 ‡Sampled : 2/19/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Silver	ug/L	21.0	03/16/09	KMT	2.50			

Field Sample #: ME-SB-05 5.5-6 FT

Sample ID : 09B06851 ‡Sampled : 2/19/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Silver	ug/L	ND	03/16/09	KMT	2.50			

Analytical Method:
SW846 1312/6020

SYNTHETIC PRECIPITATION LEACHING PROCEDURE (SPLP). SAMPLES ARE LEACHED FOR 16-20 HOURS IN THE APPROPRIATE LEACHING SOLUTION ACCORDING TO SPLP AND ANALYZED BY ICPMS. WATER SAMPLES ARE FILTERED, NOT EXTRACTED.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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Purchase Order No.:

Project Location: FACTORY H, MERIDEN
Date Received: 3/6/2009
Field Sample #: ME-MW-02 4.5-5 FT

LIMS-BAT #: LIMIT-23748
Job Number: 60073489

Sample ID: 09B06850 ‡Sampled: 2/19/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Arsenic	ug/L	ND	03/16/09	KMT	2.00		

Analytical Method:
SW846 1312/6020

SYNTHETIC PRECIPITATION LEACHING PROCEDURE (SPLP). SAMPLES ARE LEACHED FOR 16-20 HOURS IN THE APPROPRIATE LEACHING SOLUTION ACCORDING TO SPLP AND ANALYZED BY ICPMS. WATER SAMPLES ARE FILTERED, NOT EXTRACTED.

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Page 3 of 15

Purchase Order No.:

Project Location: FACTORY H, MERIDEN
Date Received: 3/6/2009
Field Sample #: ME-SB-05 5.5-6 FT

LIMS-BAT #: LIMIT-23748
Job Number: 60073489

Sample ID : 09B06851 ‡Sampled : 2/19/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Barium	ug/L	ND	03/16/09	KMT	250			

Analytical Method:
SW846 1312/6020

SYNTHETIC PRECIPITATION LEACHING PROCEDURE (SPLP). SAMPLES ARE LEACHED FOR 16-20 HOURS IN THE APPROPRIATE LEACHING SOLUTION ACCORDING TO SPLP AND ANALYZED BY ICPMS. WATER SAMPLES ARE FILTERED, NOT EXTRACTED.

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3/17/2009
Page 4 of 15

Purchase Order No.:

Project Location: FACTORY H, MERIDEN
Date Received: 3/6/2009
Field Sample #: ME-SB-01 0.5-1.5 FT

LIMS-BAT #: LIMIT-23748
Job Number: 60073489

Sample ID: 09B06848 ‡Sampled : 2/19/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Chromium	ug/L	ND	03/16/09	KMT	100			

Field Sample #: ME-SB-05 5.5-6 FT

Sample ID: 09B06851 ‡Sampled : 2/19/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Chromium	ug/L	ND	03/16/09	KMT	50.0			

Field Sample #: ME-SS-09 1-1.5 FT

Sample ID: 09B06868 ‡Sampled : 2/17/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Chromium	ug/L	ND	03/16/09	KMT	100			

Analytical Method:

SW846 1312/6020

SYNTHETIC PRECIPITATION LEACHING PROCEDURE (SPLP). SAMPLES ARE LEACHED FOR 16-20 HOURS IN THE APPROPRIATE LEACHING SOLUTION ACCORDING TO SPLP AND ANALYZED BY ICPMS. WATER SAMPLES ARE FILTERED, NOT EXTRACTED.

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3/17/2009
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Purchase Order No.:

Project Location: FACTORY H, MERIDEN
 Date Received: 3/6/2009
 Field Sample #: ME-SS-02 0-1 FT

LIMS-BAT #: LIMT-23748
 Job Number: 60073489

Sample ID: 09B06852 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Copper	ug/L	6760	03/16/09	KMT	25.0		

Field Sample #: ME-SS-05 0-1 FT

Sample ID: 09B06853 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Copper	ug/L	ND	03/16/09	KMT	25.0		

Field Sample #: ME-SS-12 0-1 FT

Sample ID: 09B06857 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Copper	ug/L	120	03/16/09	KMT	25.0		

Analytical Method:
 SW846 1312/6020

SYNTHETIC PRECIPITATION LEACHING PROCEDURE (SPLP). SAMPLES ARE LEACHED FOR 16-20 HOURS IN THE APPROPRIATE LEACHING SOLUTION ACCORDING TO SPLP AND ANALYZED BY ICPMS. WATER SAMPLES ARE FILTERED, NOT EXTRACTED.

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3/17/2009
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Purchase Order No.:

Project Location: FACTORY H, MERIDEN
Date Received: 3/8/2009
Field Sample #: ME-SB-01 0.5-1.5 FT

LIMS-BAT #: LIMIT-23748
Job Number: 60073489

Sample ID: 09B06848 ‡Sampled: 2/19/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Cyanide	mg/l	0.012	03/17/09	VAK	0.010		

Field Sample #: ME-SB-01 8-9 FT

Sample ID: 09B06849 ‡Sampled: 2/19/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Cyanide	mg/l	ND	03/17/09	VAK	0.010		

Analytical Method:
1312/335.3

SAMPLES ARE EXTRACTED ACCORDING TO SPLP. THE LEACHATE IS DISTILLED AND ANALYZED BY THE CHLORAMINE-T/PYRIDINE-BARBITURIC ACID AUTOMATED FLOW INJECTION SPECTROPHOTOMETRIC METHOD.

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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3/17/2009
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Purchase Order No.:

Project Location: FACTORY H, MERIDEN
Date Received: 3/6/2009
Field Sample #: ME-MW-02 4.5-5 FT

LIMS-BAT #: LIMIT-23748
Job Number: 60073489

Sample ID : 09B06850 ‡Sampled : 2/19/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Nickel	ug/L	ND	03/16/09	KMT	25.0			

Analytical Method:
SW846 1312/6020

SYNTHETIC PRECIPITATION LEACHING PROCEDURE (SPLP). SAMPLES ARE LEACHED FOR 16-20 HOURS IN THE APPROPRIATE LEACHING SOLUTION ACCORDING TO SPLP AND ANALYZED BY ICPMS. WATER SAMPLES ARE FILTERED, NOT EXTRACTED.

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Purchase Order No.:

Project Location: FACTORY H, MERIDEN
 Date Received: 3/6/2009
 Field Sample #: ME-MW-02 4.5-5 FT

LIMS-BAT #: LIMT-23748
 Job Number: 60073489

Sample ID : 09B06850 ‡Sampled : 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	ug/L	19.2	03/16/09	KMT	5.00			

Field Sample #: ME-SB-01 0.5-1.5 FT

Sample ID : 09B06848 ‡Sampled : 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	ug/L	ND	03/16/09	KMT	5.00			

Field Sample #: ME-SB-05 5.5-6 FT

Sample ID : 09B06851 ‡Sampled : 2/19/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	ug/L	21.6	03/16/09	KMT	5.00			

Field Sample #: ME-SB-07 2-4 FT

Sample ID : 09B06856 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	ug/L	28.9	03/16/09	KMT	5.00			

Field Sample #: ME-SS-06 0-1 FT

Sample ID : 09B06855 ‡Sampled : 2/17/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	ug/L	37.5	03/16/09	KMT	5.00			

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Purchase Order No.:

Project Location: FACTORY H, MERIDEN
Date Received: 3/6/2009
Field Sample #: ME-SS-07 0-1 FT

LIMS-BAT #: LIMIT-23748
Job Number: 60073489

Sample ID: 09B06854 ‡Sampled: 2/17/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Lead	ug/L	101	03/16/09	KMT	5.00		

Field Sample #: ME-SS-09 1-1.5 FT

Sample ID: 09B06858 ‡Sampled: 2/17/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Lead	ug/L	ND	03/16/09	KMT	5.00		

Analytical Method:
SW846 1312/6020

SYNTHETIC PRECIPITATION LEACHING PROCEDURE (SPLP). SAMPLES ARE LEACHED FOR 16-20 HOURS IN THE APPROPRIATE LEACHING SOLUTION ACCORDING TO SPLP AND ANALYZED BY ICPMS. WATER SAMPLES ARE FILTERED, NOT EXTRACTED.

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Purchase Order No.:

Project Location: FACTORY H, MERIDEN
Date Received: 3/6/2009
Field Sample #: ME-MW-02 4.5-5 FT

LIMS-BAT #: LIMIT-23748
Job Number: 60073489

Sample ID : 09B06850 ‡Sampled : 2/19/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Antimony	ug/L	ND	03/16/09	KMT	5.00		

Field Sample #: ME-SS-09 1-1.5 FT

Sample ID : 09B06858 ‡Sampled : 2/17/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Antimony	ug/L	ND	03/16/09	KMT	5.00		

Analytical Method:
SW846 1312/6020

SYNTHETIC PRECIPITATION LEACHING PROCEDURE (SPLP). SAMPLES ARE LEACHED FOR 16-20 HOURS IN THE APPROPRIATE LEACHING SOLUTION ACCORDING TO SPLP AND ANALYZED BY ICPMS. WATER SAMPLES ARE FILTERED, NOT EXTRACTED.

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3/17/2009
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Purchase Order No.:

Project Location: FACTORY H, MERIDEN
Date Received: 3/6/2009
Field Sample #: ME-SS-12 0-1 FT

LIMS-BAT #: LIMIT-23748
Job Number: 60073489

Sample ID : 09B06857 ‡Sampled : 2/17/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Selenium	ug/L	ND	03/16/09	KMT	25.0			

Analytical Method:
SW846 1312/6020

SYNTHETIC PRECIPITATION LEACHING PROCEDURE (SPLP). SAMPLES ARE LEACHED FOR 16-20 HOURS IN THE APPROPRIATE LEACHING SOLUTION ACCORDING TO SPLP AND ANALYZED BY ICPMS. WATER SAMPLES ARE FILTERED, NOT EXTRACTED.

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3/17/2009
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Purchase Order No.:

Project Location: FACTORY H, MERIDEN
Date Received: 3/6/2009
Field Sample #: ME-MW-02 4.5-5 FT

LIMS-BAT #: LIMIT-23748
Job Number: 60073489

Sample ID: 09B06850 ‡Sampled: 2/19/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Thallium	ug/L	ND	03/16/09	KMT	1.00			

Field Sample #: ME-SS-09 1-1.5 FT

Sample ID: 09B06858 ‡Sampled: 2/17/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Thallium	ug/L	ND	03/16/09	KMT	1.00			

Analytical Method:
SW846 1312/6020

SYNTHETIC PRECIPITATION LEACHING PROCEDURE (SPLP). SAMPLES ARE LEACHED FOR 16-20 HOURS IN THE APPROPRIATE LEACHING SOLUTION ACCORDING TO SPLP AND ANALYZED BY ICPMS. WATER SAMPLES ARE FILTERED, NOT EXTRACTED.

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Purchase Order No.:

Project Location: FACTORY H, MERIDEN
Date Received: 3/6/2009
Field Sample #: ME-MW-02 4.5-5 FT

LIMS-BAT #: LIMT-23748
Job Number: 60073489

Sample ID : 09B06850 ‡Sampled : 2/19/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Vanadium	ug/L	ND	03/16/09	KMT	25.0			

Field Sample #: ME-SS-09 1-1.5 FT

Sample ID : 09B06858 ‡Sampled : 2/17/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Vanadium	ug/L	ND	03/16/09	KMT	50.0			

Analytical Method:
SW846 1312/6020

SYNTHETIC PRECIPITATION LEACHING PROCEDURE (SPLP). SAMPLES ARE LEACHED FOR 16-20 HOURS IN THE APPROPRIATE LEACHING SOLUTION ACCORDING TO SPLP AND ANALYZED BY ICPMS. WATER SAMPLES ARE FILTERED, NOT EXTRACTED.

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Purchase Order No.:

Project Location: FACTORY H, MERIDEN
Date Received: 3/6/2009
Field Sample #: ME-SB-05 5.5-6 FT

LIMS-BAT #: LIMIT-23748
Job Number: 60073489

Sample ID: 09B06851 ‡Sampled: 2/19/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Mercury	mg/l leachate	ND	03/12/09	KM	0.00010	0.2	P

Analytical Method:

SW846 1312/7470

SW846 1312 SYNTHETIC PRECIPITATION LEACHING PROCEDURE (SPLP). SAMPLES ARE LEACHED FOR 16-20 HOURS IN THE APPROPRIATE SOLUTION ACCORDING TO SPLP. WATER SAMPLES ARE FILTERED, NOT EXTRACTED.

SW846 7470 MERCURY LEACHATE IS ANALYZED BY COLD VAPOR (FLAMELESS) ATOMIC ABSORPTION SPECTROPHOTOMETRY.

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Purchase Order No.:

Project Location: FACTORY H, MERIDEN

LIMS-BAT #: LIMIT-23748

Date Received: 3/6/2009

Job Number: 60073489

** END OF REPORT **

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 3/17/2009

Lims Bat # : LIMIT-23748

Page 1 of 7

QC Batch Number: BATCH-16246

Sample Id	Analysis	QC Analysis	Values	Units	Limits	
09B06858	Chromium	Sample Amount	<100.	ug/L		
		Matrix Spk Amt Added	500.00	ug/L		
		MS Amt Measured	470.10	ug/L		
		Matrix Spike % Rec.	94.02	%	75-125	
		Lead	Sample Amount	<5.00	ug/L	
			Matrix Spk Amt Added	500.00	ug/L	
	MS Amt Measured		498.20	ug/L		
		Matrix Spike % Rec.	99.64	%	75-125	
		Antimony	Sample Amount	<5.00	ug/L	
			Matrix Spk Amt Added	500.00	ug/L	
	MS Amt Measured		477.90	ug/L		
		Matrix Spike % Rec.	95.58	%	75-125	
		Thallium	Sample Amount	<1.00	ug/L	
			Matrix Spk Amt Added	500.00	ug/L	
	MS Amt Measured		463.30	ug/L		
	Matrix Spike % Rec.	92.66	%	75-125		
	Vanadium	Sample Amount	<50.0	ug/L		
		Matrix Spk Amt Added	500.00	ug/L		
MS Amt Measured		486.50	ug/L			
	Matrix Spike % Rec.	97.30	%	75-125		
	BLANK-130665	Silver	Blank	<2.50	ug/L	
		Arsenic	Blank	<2.00	ug/L	
Barium		Blank	<250.	ug/L		
Chromium		Blank	<50.0	ug/L		
Copper		Blank	<25.0	ug/L		
Nickel		Blank	<25.0	ug/L		
Lead		Blank	<5.00	ug/L		
Antimony		Blank	<5.00	ug/L		
Thallium		Blank	<1.00	ug/L		
Vanadium		Blank	<25.0	ug/L		
LFBLANK-92863	Silver	Lab Fort Blank Amt.	500.00	ug/L		
		Lab Fort Blk. Found	530.70	ug/L		
		Lab Fort Blk. % Rec.	106.14	%	80-120	
	Arsenic	Lab Fort Blank Amt.	500.00	ug/L		
		Lab Fort Blk. Found	476.30	ug/L		
		Lab Fort Blk. % Rec.	95.26	%	80-120	
	Barium	Lab Fort Blank Amt.	500.00	ug/L		
		Lab Fort Blk. Found	457.80	ug/L		
		Lab Fort Blk. % Rec.	91.56	%	80-120	
	Chromium	Lab Fort Blank Amt.	500.00	ug/L		
		Lab Fort Blk. Found	451.10	ug/L		



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 3/17/2009

Lims Bat #: LIMIT-23748

Page 2 of 7

QC Batch Number: BATCH-16246

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92863	Chromium	Lab Fort Blk. % Rec.	90.22	%	80-120
		Lab Fort Blank Amt.	500.00	ug/L	
	Copper	Lab Fort Blk. Found	455.90	ug/L	80-120
		Lab Fort Blk. % Rec.	91.18	%	
	Nickel	Lab Fort Blank Amt.	500.00	ug/L	80-120
		Lab Fort Blk. Found	448.60	ug/L	
		Lab Fort Blk. % Rec.	89.72	%	
	Lead	Lab Fort Blank Amt.	500.00	ug/L	80-120
		Lab Fort Blk. Found	475.30	ug/L	
		Lab Fort Blk. % Rec.	95.06	%	
	Antimony	Lab Fort Blank Amt.	500.00	ug/L	80-120
		Lab Fort Blk. Found	459.80	ug/L	
		Lab Fort Blk. % Rec.	91.96	%	
	Thallium	Lab Fort Blank Amt.	500.00	ug/L	80-120
		Lab Fort Blk. Found	439.70	ug/L	
		Lab Fort Blk. % Rec.	87.94	%	
	Vanadium	Lab Fort Blank Amt.	500.00	ug/L	80-120
		Lab Fort Blk. Found	451.90	ug/L	
Lab Fort Blk. % Rec.		90.38	%		



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 3/17/2009

Lims Bat # : LIMIT-23748

Page 3 of 7

QC Batch Number: BATCH-16247

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B06857	Copper	Sample Amount	120.00	ug/L	
		Matrix Spk Amt Added	500.00	ug/L	
		MS Amt Measured	588.20	ug/L	
		Matrix Spike % Rec.	93.64	%	75-125
	Selenium	Sample Amount	<25.0	ug/L	
		Matrix Spk Amt Added	500.00	ug/L	
		MS Amt Measured	476.90	ug/L	
		Matrix Spike % Rec.	95.38	%	75-125
BLANK-130668	Copper	Blank	<25.0	ug/L	
	Selenium	Blank	<25.0	ug/L	
LFBLANK-92865	Copper	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort BIK. Found	473.10	ug/L	
		Lab Fort BIK. % Rec.	94.62	%	80-120
	Selenium	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort BIK. Found	478.50	ug/L	
		Lab Fort BIK. % Rec.	95.70	%	80-120



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 3/17/2009

Lims Bat #: LIMT-23748

Page 4 of 7

QC Batch Number: BATCH-16248

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B06852	Copper	Sample Amount	6758.00	ug/L	
		Matrix Spk Amt Added	500.00	ug/L	
		MS Amt Measured	7578.00	ug/L	
		Matrix Spike % Rec.	164.00	%	75-125
BLANK-130671	Copper	Blank	<25.0	ug/L	
LFBLANK-92868	Copper	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	454.90	ug/L	
		Lab Fort Blk. % Rec.	90.98	%	80-120



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 3/17/2009

Lims Bat # : LIMIT-23748

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QC Batch Number: CYANIDE-3241

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B06849	Cyanide	Sample Amount	<0.010	mg/l	
		Matrix Spk Amt Added	0.389	mg/l	
		MS Amt Measured	0.323	mg/l	
		Matrix Spike % Rec.	83.033	%	75-125
		MSD Amount Added	0.389	mg/l	
		MSD Amt Measured	0.322	mg/l	
		MSD % Recovery	82.776	%	
		MSD Range	0.257	units	
		MS Duplicate RPD	0.310	%	20 Max.
BLANK-130707	Cyanide	Blank	<0.010	mg/l	
LFBLANK-92902	Cyanide	Lab Fort Blank Amt.	0.783	mg/l	
		Lab Fort Blk. Found	0.637	mg/l	
		Lab Fort Blk. % Rec.	81.353	%	
STDADD-35375	Cyanide	Standard Measured	0.330	mg/l	
		Standard Amt Added	0.389	mg/l	
		Standard % Recovery	84.832	%	80-120



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 3/17/2009

Lims Bat #: LIMIT-23748

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QC Batch Number: HG/TCLP-3483

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B06851	Mercury	Sample Amount	<0.00010	mg/l leachate	
		Matrix Spk Amt Added	0.00200	mg/l leachate	
		MS Amt Measured	0.00193	mg/l leachate	
		Matrix Spike % Rec.	96.70000	%	75-125
BLANK-130558	Mercury	Blank	<0.00010	mg/l leachate	
LFBLANK-92747	Mercury	Lab Fort Blank Amt.	0.00200	mg/l leachate	
		Lab Fort Blk. Found	0.00190	mg/l leachate	
		Lab Fort Blk. % Rec.	95.15000	%	80-120



QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 3/17/2009

Lims Bat #: LIMIT-23748

Page 7 of 7

QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.

LIMITS Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.

Sample Amount Amount of analyte found in a sample.

Blank Method Blank that has been taken though all the steps of the analysis.

LFBLANK Laboratory Fortified Blank (a control sample)

STDADD Standard Added (a laboratory control sample)

Matrix Spk Amt Added Amount of analyte spiked into a sample
MS Amt Measured Amount of analyte found including amount that was spiked
Matrix Spike % Rec. % Recovery of spiked amount in sample.

Duplicate Value The result from the Duplicate analysis of the sample.
Duplicate RPD The Relative Percent Difference between two Duplicate Analyses.

Surrogate Recovery The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.

Sur. Recovery (ELCD) Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID) Surrogate Recovery on the Photoionization Detector.

Standard Measured Amount measured for a laboratory control sample
Standard Amt Added Known value for a laboratory control sample
Standard % Recovery % recovered for a laboratory control sample with a known value.

Lab Fort Blank Amt Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).

Lab Fort Bl. Av. Rec. Laboratory Fortified Blank Average Recovery

Duplicate Sample Amt Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured Matrix Spike Duplicate Amount Measured
MSD % Recovery Matrix Spike Duplicate % Recovery
MSD Range Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries



REASONABLE CONFIDENCE PROTOCOL

LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory Client: AECOM Rocky Hill, CT

Project Location: Factory H, Meriden Project Number: L1MT-23748

Laboratory Sample ID(s): 09B06848 - 09B06858 Sampling Date(s): 2/17/09

List RCP Methods Used (e.g., 8260, 8270, et cetera): 1312, 7470, 6020

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1A	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1B	<i>VPH and EPH Methods only:</i> Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3	Were samples received at an appropriate temperature (<6° C°)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5	a) Were reporting limits specified or referenced on the chain-of-custody?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	b) Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence." This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Michael Erickson Position: Assistant Laboratory Director

Printed Name: Michael Erickson Date: 2/17/09

Name of Laboratory: CON-TEST ANALYTICAL LABORATORY

This certification form is to be used for RCP methods only.



CON-test
ANALYTICAL LABORATORY

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

Chain # 237248
CHAIN OF CUSTODY RECORD
LMA 0344

39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

Page 1 of 3

Company Name: RECDM
Address: 500 BUTTERFIELD
SUITELA ROCKY HILL CT
SPRINGFIELD / A BONDOS
Attention: SPRINGFIELD
Project Location: FACTORY H MAIDEN
Sampled By: SPRINGFIELD

Proposal Provided? (For Billing purposes) yes no
proposal date: 11/08

State Form Required? yes no

Telephone: 860, 263 5800
Project # 100073489
Client PO # _____

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT
Email: _____
Format: EXCEL PDF GIS KEY

Field ID	Sample Description	Lab #	Date Sampled	Start Date/Time	Stop Date/Time	Comp-ostie	Grab	Matrix Code	Conc. Code	Analysis Requested	Preservation	Cont. Code	Comments
ME-SB-01	0.5-1.5'	019B	2-19-09	145	155	X	X	S	U	VOCs 8260 PAHs RCRA 8 METALS CT DEP 15 METALS ETPH (CT DEP) CYANIDE #6 GLASS JARS 802 or 402	X	X	(SPLP Cyanide) (SPLP-Metals-Cr, Pb) (SPLP-Sb, As, Pb, Ni, Ag, Ti, V)
ME-SB-01	8-9'	019B	2-19-09	155	210	X	X	S	U		X	X	
ME-SB-01	11.5-12.5'	019B	2-19-09	210	230	X	X	S	U		X	X	
ME-SB-02	1-2'	019B	2-19-09	230	240	X	X	S	U		X	X	
ME-SB-02	8-9'	019B	2-19-09	240	240	X	X	S	U		X	X	
ME-SB-02	9-10'	019B	2-19-09	240	240	X	X	S	U		X	X	
ME-SB-02	0.5-1.5'	019B	2-19-09	240	240	X	X	S	U		X	X	
ME-SB-02	4.5-5.5'	019B	2-19-09	240	240	X	X	S	U		X	X	

Please use the following codes to list Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Requisitioned by: (Signature) [Signature] Date/Time: 2-19-09 1:30

Received by: (Signature) [Signature] Date/Time: 2/20/09 12:50pm

Requisitioned by: (Signature) [Signature] Date/Time: 2/20/09 14:22

Received by: (Signature) [Signature] Date/Time: 2/20/09 14:30

Turnaround: 5 X-Day 10-Day Other _____

Require lab approval: 24-Hr 48-Hr 72-Hr 4-Day

Detection Limit Requirements: GAPAC

Data Enhancement Project/RCP? Y N

Special Requirements or DI's: ESLs

Matrix Code: GW = groundwater, WW = wastewater, DW = drinking water, A = air, SL = sludge, O = other

Preservation Codes: I = Ice, H = HCl, M = Methanol, N = Nitric Acid, S = Sulfuric Acid, B = Sodium bisulfate, O = Other

Client: H = HPLC SAMPLE FOR ANALYSIS

Comments: DI VIALS / ENCORE FROZEN AT: 2-20-09 14:52

TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY CLIENT.

AIHA, NELAP & W SE Certified



Phone: 413-525-2332
 Fax: 413-525-6405
 Email: info@contestlabs.com
 www.contestlabs.com

Chain of Custody Record
 Job # 23748
 L: 1/23/09

39 SPRUCE ST, 2ND FLOOR
 EAST LONGMEADOW, MA 01028

Page 3 of 3

Company Name: AECOM
 Address: ROCKY HILL
SPRINGFIELD/SPRINGS

Telephone: 800 243 5800
 Project # 60073489
 Client PO #

Attention: SPRINGFIELD/SPRINGS
 Project Location: FACTORY H - MOUNTAIN
 Sampled By: SPRINGFIELD

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT
 Format: EXCEL PDF GIS KEY

Proposal Provided? (For Billing purposes)
 Yes 1/08 proposal date Yes No

Field ID	Sample Description	Lab #	Start Date/Time	Stop Date/Time	Comp. osite	Grab	Matrix Code	Conc. Code	Analysis Requested	# of containers
	NE-SB-05 0.5-1.5' 014988	09B		120	X	S	U		VOCs 8260	3
	NE-SB-05 5.5-6' 014989 00851			130	X	S	U		PAHS	6
	TB 021909	014970			X	C	U		PCRA 8 METALS	
	EB 021909	014971		500	X	O	C		CTDEP 15 METALS	
					X	O	C		CTETPH	
					X	O	C		CYANIDE	
					X	O	C		# GLASS VES 8 or 4 or	
					X	O	C		SPLP - Ba, Cr, Pb, Hg, Ag	

Laboratory Comments: SPLP - reactivation for metals per Sarah P. Hr 3/6/09

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) [Signature] Date/Time: 8-19-09 4:30

Received by: (signature) [Signature] Date/Time: 8/20/09 12:50pm

Relinquished by: (signature) [Signature] Date/Time: 8/20/09 14:22

Received by: (signature) [Signature] Date/Time: 8/20/09 14:30

Turnaround **
 5X Day
 10-Day
 Other
 RUSH *

Detection Limit Requirements
 Regulations? GHAWC
 Data Enhancement Project/RCP? Y N
 Special Requirements or DLS: ESLS

Matrix Code:
 GW = groundwater
 WW = wastewater
 DW = drinking water
 A = air
 S = soil/solid
 SL = sludge
 O = other LAB DI

Preservation Codes:
 I = Iod
 H = HCL
 M = Methanol
 N = Nitric Acid
 S = Sulfuric Acid
 B = Sodium bisulfate
 X = Na hydroxide
 T = Na thiosulfate
 O = Other

** TURNAROUND TIME STARTS AT 9:00 AM. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

AIHA, NELAP & WBE/DBE Certified

Comments: EB = 2 VIALS 30 METALS 1 MARCH 4 15MARCH

Client: EB =

20-20-09 14:52



Phone: 413-525-2332
 Fax: 413-525-6405
 Email: info@contestlabs.com
 www.contestlabs.com

CHAIN OF CUSTODY RECORD
 Lot # 23339

39 SPRUCE ST, 2ND FLOOR
 EAST LONGMEADOW, MA 01028

Page 1 of 4

Company Name: AFCOM

Address: 500 STATE ST, STE 110
ROCKY HILL, CT

Attention: S. PATAHA / S. BONDS

Project Location: WALDEN FACTORY H

Sampled By: SPATAHA / BONDS

Proposal Provided (For Billing purposes) yes no

State Form Required? yes no

Field ID 11/8 proposal date

Sample Description ME-SS-01 Lab # 098

ME-SS-02 0-1' 04554 08852

ME-SS-03 0-1' 04555

ME-SS-04 0-1' 04556

ME-SS-05 0-1' 04557 08853

ME-SS-06 0-1' 04558

ME-SS-07 0-1' 04559 08854

ME-SS-08 0-1' 04560

Laboratory Comments: SPLP reactivation for select metals, see list, per Sarah P. # 3/6/09

Requested by (signature)	Date/Time	Turnaround **
<u>[Signature]</u>	<u>2/18/09 9 AM</u>	<input checked="" type="checkbox"/> 5x Day
<u>[Signature]</u>	<u>2/18/09 9 AM</u>	<input type="checkbox"/> 10-Day
<u>[Signature]</u>	<u>2/18/09 2:45</u>	<input type="checkbox"/> Other
<u>[Signature]</u>	<u>2/18/09 2:45</u>	<input type="checkbox"/> *24-Hr <input type="checkbox"/> *48-Hr
<u>[Signature]</u>	<u>2/18/09 2:45</u>	<input type="checkbox"/> *72-Hr <input type="checkbox"/> *4-Day

Telephone: 800 263 5800
 Project # 100033489
 Client PO # _____

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT
 Email: _____
 EXCEL PDF GIS KEY

Start Date/Time	Stop Date/Time	Comp-oste	Grab	Matrix Conc.		ANALYSIS REQUESTED
				Code	Code	
2/17/09	11:40	X	X	5	0	PAHs Lead Copper ETPH CTDPP 15 metals VOCs <u>SPLP metals - Cu</u> <u>SPLP metals - Pb</u>
2/17/09	12:40	X	X			
2/17/09	12:10	X	X			
2/17/09	13:15	X	X			
2/17/09	12:00	X	X			
2/17/09	13:40	X	X			
2/17/09	10:20	X	X			
2/17/09	14:00	X	X			

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Detection Limit Requirements
 Regulations? MS / GAWM
 Data Enhancement Project/ROP? Y N
 Special Requirements or DL's? MS / GAWM

TURNAROUND TIME STARTS AT 9:00 AM. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY CLIENT.
 AHHA, NELAC & WBER/ Certified

DIVIALS / ENCORE
 FROZEN AT:
 02-18-09 14:53 OUT

7A 178 90



Phone: 413-525-2332
 Fax: 413-525-6405
 Email: info@contestlabs.com
 www.contestlabs.com

Chain of Custody Record
 Limit # 23748
 Lab # 23332

39 SPRUCE ST, 2ND FLOOR
 EAST LONGMEADOW, MA 01028

Page 2 of 4

Company Name: AECOMA
 Address: ACQUA HILL
9 CLYDE PL BRIDGES

Telephone: 800 26035800
 Project # 60073189
 Client PO #

Attention: FACTORY - MULDERN

Project Location: SPRINGER / S. SOUTHWICK

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT
 Email: _____
 Format: EXCEL PDF GIS KEY

Proposal Provided? (For Billing purposes)
 Yes NOV 08 proposal date
 No

State Form Required?
 Yes No

Field ID	Sample Description	Lab #	Start Date/Time	Stop Date/Time	Comp- oste	Grab	*Matrix Conc. Code Code	ANALYSIS REQUESTED	
<u>A</u>	<u>ME-SB-06 0-1'</u>	<u>04564 06855</u>	<u>2/17/09</u>	<u>9:17</u>	<u>+</u>	<u>5</u>	<u>VOCs</u>	<u>RAH</u>	<u>Lead</u>
	<u>ME-SB-06 2-3'</u>	<u>04562</u>		<u>9:22</u>	<u>+</u>	<u>5</u>	<u>FE/SS</u>	<u>CTDEF 15/2ml</u>	<u>SPLP metal-Ph</u>
	<u>ME-SB-07 0-1'</u>	<u>04563</u>		<u>9:35</u>	<u>+</u>	<u>5</u>	<u>+</u>	<u>+</u>	<u>SPLP- Pb, Cr, Cu, P, H, Ni, Ag, Hg, V, Se</u>
<u>A</u>	<u>ME-SB-07 2-4'</u>	<u>04564 06856</u>		<u>9:55</u>	<u>+</u>	<u>5</u>	<u>+</u>	<u>+</u>	<u>+</u>
	<u>ME-SB-10 0-1'</u>	<u>04565</u>		<u>11:00</u>	<u>+</u>	<u>5</u>	<u>+</u>	<u>+</u>	<u>+</u>
	<u>ME-SB-11 0-6"</u>	<u>04566</u>		<u>14:45</u>	<u>+</u>	<u>5</u>	<u>+</u>	<u>+</u>	<u>+</u>
	<u>ME-SB-11 1-1.5'</u>	<u>04568</u>		<u>14:50</u>	<u>+</u>	<u>5</u>	<u>+</u>	<u>+</u>	<u>+</u>
<u>A</u>	<u>ME-SB-12 0-1'</u>	<u>04567 06857</u>		<u>10:15</u>	<u>+</u>	<u>5</u>	<u>+</u>	<u>+</u>	<u>+</u>

laboratory Comments: SPLP reactivation for select metal per Sarah P. Hr 3/6/09

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Client: _____
 Comments: _____
 FROZEN AT: 02-18-09 14:53 OUT

Signature: _____ Date: 2/18/09 Time: 9:00
 Signature: _____ Date: 2/18/09 Time: 7:45
 Signature: _____ Date: 2/18/09 Time: 14:45

Turnaround: 24-Hr 48-Hr 72-Hr 4-Day
 RUSH*
 Require lab approval

Detection Limit Requirements:
 Regulations? _____
 Data Enhancement Project/RCP? Y N
 Special Requirements or DL's: _____

*Matrix Code: _____ **Preservation Codes:
 GW = groundwater I = Iced X = Na hydroxide
 WW = wastewater H = HCL X = Na thiosulfate
 DW = drinking water M = Methanol
 A = air S = Sulfuric Acid
 S = soil/solid N = Nitric Acid
 SL = sludge B = Sodium bisulfate
 O = other O = Other

TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY CLIENT.

AIHA, NELAP & WBE/DF certified



Phone: 413-525-2332
 Fax: 413-525-6405
 Email: info@contestlabs.com
 www.contestlabs.com

CHAIN OF CUSTODY RECORD

38 SPRUCE ST, 2ND FLOOR
 EAST LONGMEADOW, MA 01028

Company Name: FEEDOM

Address: ROCKY HILL

Attention: SETHUA/SBOROS

Project Location: FACTOR H - MAUNOEN

Sampled By: GAUP

Proposal Provided? (For Billing purposes) Yes No

State Form Required? Yes No

Telephone: 800 263 5800
 Project # 100073489
 Client PO # _____

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT
 Email: _____
 Format: EXCEL PDF GIS KEY

Field ID	Sample Description	Lab #	Date Sampled		Comp. Grab	Matrix Code	Conc. Code	ANALYSIS REQUESTED									
			Start Date/Time	Stop Date/Time				LOC 8260	PAHs	RCRA 8 METALS	CTDP 15 METALS	CTEPH	CYANIDE	HGLASSIARS	# of containers	**Preservation	
ME-MW-02	8.5-9.5'	0913	2-19-09	9:15	X	S	U	X	X	X	X	X	X	X	2		
ME-MW-02	13-14'	04963		9:25	X	S	U	X	X	X	X	X	X	X	2		
ME-SB-03	1-2'	04964		11:55	X	S	U	X	X	X	X	X	X	X	2		
ME-SB-03	7.5-8.5'	04965		12:10	X	S	U	X	X	X	X	X	X	X	2		
ME-SB-04	0-1'	04966		11:00	X	S	U	X	X	X	X	X	X	X	2		
ME-SB-04	4.5'			11:00	X	S	U	X	X	X	X	X	X	X	2		
ME-SB-04	8-9'	04967		11:30	X	S	U	X	X	X	X	X	X	X	2		
ME-SB-04	12.5-13.5'			11:35	X	S	U	X	X	X	X	X	X	X	2		

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by (signature) [Signature] Date/Time: 2-19-09 4:30

Received by (signature) [Signature] Date/Time: 2/20/09 12:50pm

Relinquished by (signature) [Signature] Date/Time: 2/20/09 14:22

Received by (signature) [Signature] Date/Time: 2/20/09 14:32

Turnaround ** 5 K Day 10-Day Other _____

Require lab approval *24-Hr *48-Hr *72-Hr *4-Day

Detection Limit Requirements SAFETY

Regulations? SAFETY

Data Enhancement Project/RCP? Y N

Special Requirements or DL's: SAFETY

Matrix Code: GW = groundwater WW = wastewater DW = drinking water A = air S = soil/solid SL = sludge O = other

**Preservation Codes: I = lead H = HCL M = Methanol N = Nitric Acid S = Sulfuric Acid B = Sodium bisulfate O = Other DI HTD

TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN OF CUSTODY RECORD. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY THE CLIENT.

AMHA, NELAC & W BE Certified

Holly L. Folsom

From: "Perhala, Sarah" <Sarah.Perhala@aecom.com>
To: "Holly L. Folsom" <hfolsom@contestlabs.com>
Sent: Friday, March 06, 2009 9:11 AM
Subject: RE: SPLP analyses

Hi Holly

I need to activate some additional samples for SPLP for metals for this project. Standard TAT is fine. The samples are as follows:

23411
 LIMIT-~~23332~~
 ME-MW-02 (4.5-5FT) Sb, As, Pb, Ni, Ag, Ti, V
 ME-SB-01 (0.5-1.5FT) Cyanide, Cr, Pb (Previously asked for PAHs)
 ME-SB-01 (8-9 FT) Cyanide
 ME-SB-05 (5.5-6 FT) Ba, Cr, Pb, Hg, Ag

23332
 LIMIT-~~23444~~
 ME-SB-06 (0-1 FT) Pb
 ME-SB-07 (2-4 FT) Pb
 ME-SS-02 (0-1 FT) Cu
 ME-SS-05 (0-1 FT) Cu
 ME-SS-07 (0-1 FT) Pb
 ME-SS-09 (1-1.5 FT) Sb, Cr, Pb, Ti, V
 ME-SS-12 (0-1 FT) Sb, Cr, Cu, Pb, Ni, Ag, Ti, V

Thanks!

From: Holly L. Folsom [mailto:hfolsom@contestlabs.com]
Sent: Thursday, March 05, 2009 10:47 AM
To: Perhala, Sarah
Subject: Re: SPLP analyses

What turnaround time would you like?

----- Original Message -----

From: Perhala, Sarah
To: Holly L. Folsom
Sent: Thursday, March 05, 2009 10:46 AM
Subject: RE: SPLP analyses

Sorry - both of those "MW" samples should be "ME"

From: Holly L. Folsom [mailto:hfolsom@contestlabs.com]
Sent: Thursday, March 05, 2009 10:27 AM
To: Perhala, Sarah
Subject: Re: SPLP analyses

Hi Sarah,

Thanks for the email. I will get these activated ASAP. If there are any questions, I will let you know.

Thanks, Holly

----- Original Message -----

From: Perhala, Sarah
To: Holly L. Folsom
Sent: Thursday, March 05, 2009 10:24 AM
Subject: SPLP analyses

Hi Holly

I need to activate a couple samples from the Meriden project for SPLP analyses for PAHs as soon as you can – some have already exceeded hold time and 1 may be coming down to the hour

The 2 out of hold time are from LIMIT-23332:

ME-SS-02 (0-1')
MW-SS-06 (0-1')

1 is from LIMIT-23411:

MW-SB-01 (0.5-1.5')

Please send a confirmation email when you get this so I know the samples are being activated

Thank you!

Sarah Perhala
Environmental Scientist
AECOM Environment
Direct Phone: 860.263.5746
Cell: 860.581.0562
sarah.perhala@aecom.com

Our office has moved! Please note our new address and contact information.

AECOM

500 Enterprise Drive, Suite 1A
Rocky Hill, Connecticut 06067
Office Phone: 860.263.5800
Fax: 860.263.5777
www.aecom.com

Metcalf & Eddy's parent company, AECOM Technology Corporation, is evolving to better serve its global clients. AECOM is forming a global business line – AECOM Environment – by utilizing the skills and capabilities from across its global environmental operations, including resources from ENSR, Earth Tech, STS and Metcalf & Eddy. AECOM Environment is devoted to providing quality environmental services to its global clients. With access to approximately 4,200 staff in 20 countries, AECOM Environment will be one of five new AECOM business lines, which also include AECOM Water, AECOM Transportation, AECOM Design, and AECOM Energy.

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SAMPLE REACTIVATION FORM

COMPANY AECOM Rocky Hill LOCATION MC, 7A
CONTACT Sarah Perhala PROJECT ID Factory H-Meriden
CONTACT PHONE 860-263-5800 FAX _____
DATE 3/6/09 TIME 9:45 am TAT 5 day DUE DATE _____
REQUEST TAKEN BY Holly Holman GIVEN TO _____

ACTIVATION REQUEST:

* See attached email for SLP reactivation

SPECIAL INSTRUCTIONS AND TERMS:

FAXED TO CONTACT FOR APPROVAL: Y N

ACTIVATION IS CORRECT PER OUR REQUEST _____ DATE _____
INITIALS

CONTEST FINAL APPROVAL _____



Phone: 413-525-2332
 Fax: 413-525-6405
 Email: info@contestlabs.com
 www.contestlabs.com

CHAIN OF CUSTODY RECORD
 Limit #23695
 Lot # 23332

39 SPRUCE ST. 2ND FLOOR
 EAST LONGMEADOW, MA 01028

Page 1 of 2

Company Name: ACCUM
 Address: ADDYME PRICE DR, STE 110
ROCKY HILL, CT
 Attention: S. PUGHAN / S BONDS
 Project Location: WALDON FACILITY
 Sampled By: SPATHEA / S BONDS

Telephone: 800 263 5800
 Project # 100073489
 Client PO # _____
 DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT
 Email: _____
 Format: EXCEL PDF GIS KEY

Proposal Provided? (For Billing purposes)
 Yes No
 Proposal date: 1/16/08

State Form Required?
 Yes No

Field ID	Sample Description	Lab #	Start Date/Time	Stop Date/Time	Comp-osite	Grab	Matrix Code	Conc. Code
ME-SS-01	0-1'	04553	2/17/04	11:40			S	0
ME-SS-02	0-1'	04554	2/17/04	12:40			S	0
ME-SS-03	0-1'	04555	2/17/04	12:10			S	0
ME-SS-04	0-1'	04556	2/17/04	13:15			S	0
ME-SS-05	0-1'	04557	2/17/04	12:00			S	0
ME-SS-06	0-1'	04558	2/17/04	13:40			S	0
ME-SS-07	0-1'	04559	2/17/04	10:20			S	0
ME-SS-08	0-1'	04560	2/17/04	14:00			S	0

DI VIALS / ENCORE
 FROZEN AT:
 0-12-05 14:55 OUT
 7A 17B 90

Relinquished by: (signature) _____ Date/Time: 2/18/09 9am
 Received by: (signature) _____ Date/Time: 2/18/09 9am
 Relinquished by: (signature) _____ Date/Time: 2/18/09 2:45
 Received by: (signature) _____ Date/Time: 2/18/09 14:45

Turnaround **
 6x Day
 10-Day
 Other _____
 *24-Hr *48-Hr
 *72-Hr *4-Day
 *Require lab approval

Detection Limit Requirements
 Regulations? YES / GAPPA
 Data Enhancement Project/RCP? Y N
 Special Requirements or DL's: None

**Matrix Code:
 GW = groundwater
 WW = wastewater
 DW = drinking water
 A = air
 S = soil/solid
 SL = sludge
 O = other

**Preservation Codes:
 I = Iced
 H = HCL
 M = Methanol
 N = Nitric Acid
 S = Sulfuric Acid
 B = Sodium bisulfate
 O = Other

X = Na hydroxide
 T = Na thiosulfate

Client: _____
 Comments: _____

AROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY, OR IS NOT FILLED OUT COMPLETELY, WE ARE NOT RESPONSIBLE FOR THE RESULTS. THIS FORM IS NOT FILLED OUT COMPLETELY, WE ARE NOT RESPONSIBLE FOR THE RESULTS.

Holly L. Folsom

From: "Perhala, Sarah" <Sarah.Perhala@aecom.com>
To: "Holly L. Folsom" <hfolsom@contestlabs.com>
Sent: Wednesday, March 11, 2009 4:44 PM
Subject: SPLP for Meriden

Hi Holly

LIMIT - 23748

Ok i have an answer, for ME-SS-12 (with not enough volume) just run SPLP on copper and selenium.

For ^{ME}WA-SS-09 1-1.5 FT, run SPLP for antimony, chromium, lead, thallium, and vanadium

Thanks!

Sarah Perhala
Environmental Scientist
AECOM Environment
Direct Phone: 860.263.5746
Cell: 860.581.0562
sarah.perhala@aecom.com

Our office has moved! Please note our new address and contact information.

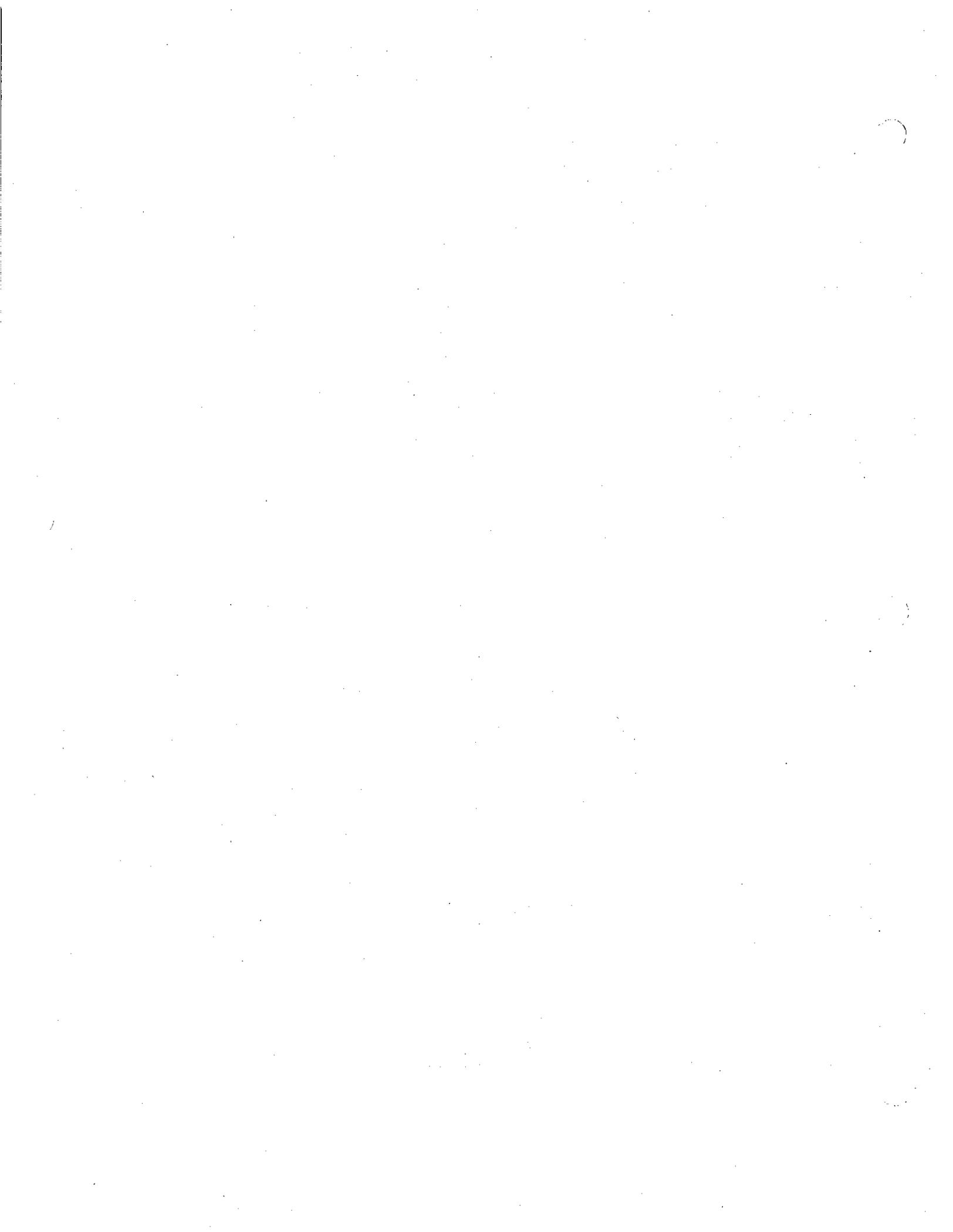
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500 Enterprise Drive, Suite 1A
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Office Phone: 860.263.5800
Fax: 860.263.5777
www.aecom.com

Metcalf & Eddy's parent company, AECOM Technology Corporation, is evolving to better serve its global clients. AECOM is forming a global business line – AECOM Environment – by utilizing the skills and capabilities from across its global environmental operations, including resources from ENSR, Earth Tech, STS and Metcalf & Eddy. AECOM Environment is devoted to providing quality environmental services to its global clients. With access to approximately 4,200 staff in 20 countries, AECOM Environment will be one of five new AECOM business lines, which also include AECOM Water, AECOM Transportation, AECOM Design, and AECOM Energy.

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39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 3/24/2009

AECOM - ROCKY HILL, CT
500 ENTERPRISE DRIVE, SUITE 1A
ROCKY HILL, CT 06067
ATTN: CHRIS SHORES

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-23950

JOB NUMBER: 60073489

PROJECT LOCATION: MERIDEN

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos.
AOC-11 MW-01	09B07763	GRND WATER	Not Specified	8260 water	
AOC-11 MW-01	09B07763	GRND WATER	Not Specified	as 6020 npw	
AOC-11 MW-01 DU	09B07769	GRND WATER	Not Specified	as 6020 npw	
AOC-17 MW-1	09B07759	GRND WATER	Not Specified	8260 water	
AOC-17 MW-11 DU	09B07770	GRND WATER	Not Specified	zn 6020 npw	
AOC-3 MW-1	09B07766	GRND WATER	Not Specified	8260 water	
ME-MW-01	09B07758	GRND WATER	Not Specified	8260 water	
ME-MW-02 (INSIDE	09B07762	GRND WATER	Not Specified	6020 h2o 14rcp	
ME-MW-02 (INSIDE	09B07762	GRND WATER	Not Specified	8260 water	
ME-MW-02 (INSIDE	09B07762	GRND WATER	Not Specified	cyanide-total	
ME-MW-02 (INSIDE	09B07762	GRND WATER	Not Specified	etph water	
ME-MW-02 (INSIDE	09B07762	GRND WATER	Not Specified	hg (mg/l) wet	
ME-MW-02 (INSIDE	09B07762	GRND WATER	Not Specified	pah - water	
ME-MW-02-DUP (IN	09B07767	GRND WATER	Not Specified	6020 h2o 14rcp	
ME-MW-02-DUP (IN	09B07767	GRND WATER	Not Specified	cyanide-total	
ME-MW-02-DUP (IN	09B07767	GRND WATER	Not Specified	etph water	
ME-MW-02-DUP (IN	09B07767	GRND WATER	Not Specified	hg (mg/l) wet	
ME-MW-02-DUP (IN	09B07767	GRND WATER	Not Specified	pah - water	
MW-100	09B07761	GRND WATER	Not Specified	8260 water	
MW-101	09B07760	GRND WATER	Not Specified	8260 water	
MW-102	09B07765	GRND WATER	Not Specified	8260 water	
MW-102 DUP	09B07768	GRND WATER	Not Specified	8260 water	
MW-11	09B07764	GRND WATER	Not Specified	8260 water	
MW-11	09B07764	GRND WATER	Not Specified	zn 6020 npw	
TB	09B07771	WATER OTHE	Not Specified	8260 water	



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REPORT DATE 3/24/2009

AECOM - ROCKY HILL, CT
500 ENTERPRISE DRIVE, SUITE 1A
ROCKY HILL, CT 06067
ATTN: CHRIS SHORES

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-23950

JOB NUMBER: 60073489

Comments :

LIMS BATCH NO. : LIMIT-23950

CASE NARRATIVE SUMMARY

Recommended sample holding times were not exceeded for all samples unless listed below:
None Exceeded

All samples for the method(s) listed were received preserved properly in the proper containers at 4°C +/- 2 degrees as specified on the chain-of-custody form unless listed below:
All properly preserved

In method 8270, the benzidine tailing factor was outside of method specifications. Reduced sensitivity and resolution is expected for some base/neutral compounds.

In method 8260, the initial and/or continuing calibration did not meet method specifications. For all samples, 1,4-Dioxane was calibrated with a relative response factor <0.05.

In method 8260, any reported result for Acetone, 2-Hexanone, 1,2,4-Trichlorobenzene, Naphthalene, and 1,2,3-Trichlorobenzene in samples 09B07758, 760, 763 - 766, 768, and 771 is estimated and likely to be biased on the low side based on continuing calibration bias.

In method 8260, any reported result for 1,2,3-Trichlorobenzene in samples 09B07758, 760, 763 - 766, 09B07768, and 771 is likely to be biased on the low side based on laboratory fortified blank (laboratory control sample) recovery bias.

In method 8260, any reported result for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 2-Hexanone, and 1,2-Dibromo-3-chloropropane in samples 09B07758 and 761 - 762 is likely to be biased on the low side based on laboratory fortified blank (laboratory control sample) recovery bias.

There are no other analytical issues which affect the usability of the data.

DETAILED CASE NARRATIVE

CT ETPH METHOD - ADDITIONAL COMMENTS

All CT ETPH samples were analyzed undiluted unless specified below:
No dilutions were performed.

METHOD SW846-6020 - ADDITIONAL COMMENTS

Sample duplicate and matrix spike performed on sample 09B07769. Sample duplicate is not reported due to non detect sample and duplicate results.

For samples 09B07763 and 09B07769, only As was requested and reported.
For samples 09B07764 and 09B07770, only Zn was requested and reported.

METHOD SW846 9014 - ADDITIONAL COMMENTS

A matrix spike and a matrix spike duplicate were performed on sample 09B07767.



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REPORT DATE 3/24/2009

AECOM - ROCKY HILL, CT
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ROCKY HILL, CT 06067
ATTN: CHRIS SHORES

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-23950
JOB NUMBER: 60073489

METHOD SW846 8270 WATER - ADDITIONAL COMMENTS

The LCS sample recoveries for required RCP 8270 compounds were all within control limits specified by the method, 40-140% for base/neutral and 30-130% for acids except for "difficult analytes" listed below and/or otherwise listed in this narrative:
Difficult analytes for water - limits between 10 and 150% depending on the compound (see qc summary for limits): Benzoic Acid, Dimethylphthalate, Bis(2-chloroisopropyl)ether, Hexachlorocyclopentadiene, Pyridine, 4-Nitrophenol, and Phenol
Compounds outside of control limits:
None outside of control limits

All 8270 surrogate standard recoveries were within control limits specified by the method unless listed below:

In method 8270, for sample 09B07762, surrogate recovery for Terphenyl-d12 (138%) was outside of control limits, but with method requirements.

All RCP analyte list compounds were reported for method 8270 unless listed below:

Only PAH compounds were requested and reported.

All reporting limits specified on the chain-of-custody were met, except for Pyridine for the most protective criteria since the laboratory cannot achieve the required RCP calibration criteria at these levels, unless specified below:
All other requested reporting limits are met.

METHOD SW846 8260 LOW LEVEL WATER - ADDITIONAL COMMENTS

If dilutions were performed, only one dilution within the linear calibrated region of the curve is reported. All 8260 samples were analyzed undiluted unless specified below:

Sample	Dilution(s)
09B07760	undilute and 50x
09B07761	undilute and 10x
09B07764	undilute and 10x
09B07765	undilute and 10x
09B07766	undilute and 10x
09B07768	undilute and 10x

In method 8260, samples 09B07761 - 761, 764 - 766, and 768 were diluted due to high levels of target or non-target compounds in the sample.

In method 8260 for 1,1,1,2-Tetrachloroethane in samples 09B07758, 760, 763 - 766, 768, and 771, data is not affected by continuing calibration non-conformance since bias is on the high side and all results are "not detected".

In method 8260 for 1,4-Dioxane in samples 09B07759, and 761 - 762, data is not affected by continuing calibration non-conformance since bias is on the high side and all results are "not detected".

The LCS recoveries for required CT reasonable confidence protocol (RCP) 8260 compounds were all within limits specified by the method except for "difficult analytes" where control limits somewhere between 40-160% are used and/or unless otherwise listed in this narrative.
Difficult analytes: MIBK, MEK, Tetrachloroethylene, Tert-butyl Alcohol, Acetone, 1,4-Dioxane, Vinyl Chloride, Chloromethane, Bromomethane, Naphthalene, 2,2-Dichloropropane, Dichlorodifluoromethane, and 2-Hexanone
Compounds outside of control limits:

In method 8260, data is not affected by laboratory fortified blank (laboratory control sample) recovery



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REPORT DATE 3/24/2009

AECOM - ROCKY HILL, CT
500 ENTERPRISE DRIVE, SUITE 1A
ROCKY HILL, CT 06067
ATTN: CHRIS SHORES

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-23850

JOB NUMBER: 80073489

outlier(s) for 1,1,1,2-Tetrachloroethane since all results are "not detected" and recovery bias is on the high side.

All reporting limits specified on the chain-of-custody were met except for Acrylonitrile, where the most protective criteria are not met since the laboratory cannot achieve the required RCP calibration criteria at these levels, unless listed below:
All other reporting limits were met.

The results of analyses performed are based on samples as submitted to the laboratory and relate only to the items collected and tested.

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations. AIHA accreditations only apply to NIOSH methods and Environmental Lead Analyses.

AIHA 100033	AIHA ELLAP (LEAD) 100033	NORTH CAROLINA CERT. # 652
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	FLORIDA DOH E871027 (AIR)
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Edward Denson 3/24/09
SIGNATURE DATE

Tod Kopyscinski
Air Laboratory Manager

Michael Erickson
Assistant Laboratory Director

Edward Denson
Technical Director

Daren Damboragian
Organics Department Supervisor

* See end of data tabulation for notes and comments pertaining to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

CHRIS SHORES
AECOM - ROCKY HILL, CT
500 ENTERPRISE DRIVE, SUITE 1A
ROCKY HILL, CT 06067

3/24/2009
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Purchase Order No.:

Project Location: MERIDEN
Date Received: 3/13/2009
Field Sample # : ME-MW-02 (INSIDE)

LIMS-BAT #: LIMT-23950
Job Number: 60073489

Sample ID : 09B07762 ‡Sampled : 3/13/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Antimony	ug/L	ND	03/18/09	KMT	5.00			
Arsenic	ug/L	ND	03/18/09	KMT	2.00			
Barium	ug/L	ND	03/18/09	KMT	250			
Beryllium	ug/L	ND	03/18/09	KMT	2.00			
Cadmium	ug/L	ND	03/18/09	KMT	2.50			
Chromium	ug/L	ND	03/18/09	KMT	50.0			
Copper	ug/L	57.8	03/18/09	KMT	25.0			
Lead	ug/L	38.8	03/18/09	KMT	5.00			
Nickel	ug/L	306	03/18/09	KMT	25.0			
Selenium	ug/L	ND	03/18/09	KMT	25.0			
Silver	ug/L	ND	03/18/09	KMT	2.50			
Thallium	ug/L	ND	03/18/09	KMT	1.00			
Vanadium	ug/L	ND	03/18/09	KMT	25.0			
Zinc	ug/L	263	03/18/09	KMT	100			

Analytical Method:
SW846 6020
SAMPLES ARE ANALYZED BY ICP/MS

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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Purchase Order No.:

Project Location: MERIDEN

LIMS-BAT #: LIMIT-23950

Date Received: 3/13/2009

Job Number: 60073489

Field Sample #: ME-MW-02-DUP (INSIDE)

Sample ID : 09B07767

‡Sampled : 3/13/2009

Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Antimony	ug/L	ND	03/18/09	KMT	5.00			
Arsenic	ug/L	ND	03/18/09	KMT	2.00			
Barium	ug/L	ND	03/18/09	KMT	250			
Beryllium	ug/L	ND	03/18/09	KMT	2.00			
Cadmium	ug/L	ND	03/18/09	KMT	2.50			
Chromium	ug/L	ND	03/18/09	KMT	50.0			
Copper	ug/L	38.2	03/18/09	KMT	25.0			
Lead	ug/L	ND	03/18/09	KMT	5.00			
Nickel	ug/L	257	03/18/09	KMT	25.0			
Selenium	ug/L	ND	03/18/09	KMT	25.0			
Silver	ug/L	ND	03/18/09	KMT	2.50			
Thallium	ug/L	ND	03/18/09	KMT	1.00			
Vanadium	ug/L	ND	03/18/09	KMT	25.0			
Zinc	ug/L	166	03/18/09	KMT	100			

Analytical Method:

SW846 6020

SAMPLES ARE ANALYZED BY ICP/MS

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Purchase Order No.:

Project Location: MERIDEN
 Date Received: 3/13/2009
 Field Sample #: AOC-11 MW-01

LIMS-BAT #: LIMIT-23950
 Job Number: 60073489

Sample ID : 09B07763 ‡Sampled : 3/12/2009
 Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	ug/l	ND	03/17/09	EH	50.0			
Acrylonitrile	ug/l	ND	03/17/09	EH	2.0			
tert-Amylmethyl Ether	ug/l	ND	03/17/09	EH	0.5			
Benzene	ug/l	ND	03/17/09	EH	0.5			
Bromobenzene	ug/l	ND	03/17/09	EH	0.5			
Bromochloromethane	ug/l	ND	03/17/09	EH	0.5			
Bromodichloromethane	ug/l	ND	03/17/09	EH	0.5			
Bromoform	ug/l	ND	03/17/09	EH	0.5			
Bromomethane	ug/l	ND	03/17/09	EH	1.0			
2-Butanone (MEK)	ug/l	ND	03/17/09	EH	2.0			
tert-Butyl Alcohol	ug/l	ND	03/17/09	EH	10.0			
n-Butylbenzene	ug/l	ND	03/17/09	EH	1.0			
sec-Butylbenzene	ug/l	ND	03/17/09	EH	0.5			
tert-Butylbenzene	ug/l	ND	03/17/09	EH	0.5			
tert-Butylethyl Ether	ug/l	ND	03/17/09	EH	0.5			
Carbon Disulfide	ug/l	ND	03/17/09	EH	0.5			
Carbon Tetrachloride	ug/l	ND	03/17/09	EH	0.5			
Chlorobenzene	ug/l	ND	03/17/09	EH	0.5			
Chlorodibromomethane	ug/l	ND	03/17/09	EH	0.5			
Chloroethane	ug/l	ND	03/17/09	EH	1.0			
Chloroform	ug/l	ND	03/17/09	EH	0.5			
Chloromethane	ug/l	ND	03/17/09	EH	0.5			
2-Chlorotoluene	ug/l	ND	03/17/09	EH	0.5			
4-Chlorotoluene	ug/l	ND	03/17/09	EH	1.0			
1,2-Dibromo-3-Chloropropane	ug/l	ND	03/17/09	EH	1.0			
1,2-Dibromoethane	ug/l	ND	03/17/09	EH	0.50			
Dibromomethane	ug/l	ND	03/17/09	EH	0.5			
1,2-Dichlorobenzene	ug/l	ND	03/17/09	EH	0.5			
1,3-Dichlorobenzene	ug/l	ND	03/17/09	EH	0.5			

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 ROCKY HILL, CT 06067

3/24/2009
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Purchase Order No.:

Project Location: MERIDEN
 Date Received: 3/13/2009
 Field Sample #: AOC-11 MW-01

LIMS-BAT #: LIMIT-23950
 Job Number: 60073489

Sample ID : 09B07763 ‡Sampled : 3/12/2009
 Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
1,4-Dichlorobenzene	ug/l	ND	03/17/09	EH	0.5			
trans-1,4-Dichloro-2-Butene	ug/l	ND	03/17/09	EH	5.0			
Dichlorodifluoromethane	ug/l	ND	03/17/09	EH	0.5			
1,1-Dichloroethane	ug/l	ND	03/17/09	EH	0.5			
1,2-Dichloroethane	ug/l	ND	03/17/09	EH	0.5			
1,1-Dichloroethylene	ug/l	ND	03/17/09	EH	0.5			
cis-1,2-Dichloroethylene	ug/l	ND	03/17/09	EH	0.5			
trans-1,2-Dichloroethylene	ug/l	ND	03/17/09	EH	0.5			
1,2-Dichloropropane	ug/l	ND	03/17/09	EH	0.5			
1,3-Dichloropropane	ug/l	ND	03/17/09	EH	1.0			
2,2-Dichloropropane	ug/l	ND	03/17/09	EH	0.5			
1,1-Dichloropropene	ug/l	ND	03/17/09	EH	0.5			
cis-1,3-Dichloropropene	ug/l	ND	03/17/09	EH	0.5			
trans-1,3-Dichloropropene	ug/l	ND	03/17/09	EH	0.5			
Diethyl Ether	ug/l	ND	03/17/09	EH	0.5			
Diisopropyl Ether	ug/l	ND	03/17/09	EH	0.5			
1,4-Dioxane	ug/l	ND	03/17/09	EH	10.0			
Ethyl Benzene	ug/l	ND	03/17/09	EH	0.5			
Hexachlorobutadiene	ug/l	ND	03/17/09	EH	0.4			
2-Hexanone	ug/l	ND	03/17/09	EH	50.0			
Isopropylbenzene	ug/l	ND	03/17/09	EH	1.0			
p-Isopropyltoluene	ug/l	ND	03/17/09	EH	0.5			
MTBE	ug/l	ND	03/17/09	EH	0.5			
Methylene Chloride	ug/l	ND	03/17/09	EH	1.0			
MIBK	ug/l	ND	03/17/09	EH	2.0			
Naphthalene	ug/l	ND	03/17/09	EH	5.0			
n-Propylbenzene	ug/l	ND	03/17/09	EH	0.5			
Styrene	ug/l	ND	03/17/09	EH	1.0			
1,1,1,2-Tetrachloroethane	ug/l	ND	03/17/09	EH	0.5			

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ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: MERIDEN
Date Received: 3/13/2009
Field Sample #: AOC-11 MW-01

LIMS-BAT #: LIMIT-23950
Job Number: 60073489

Sample ID : 09B07763 ‡Sampled : 3/12/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
1,1,2,2-Tetrachloroethane	ug/l	ND	03/17/09	EH	0.5			
Tetrachloroethylene	ug/l	ND	03/17/09	EH	0.5			
Tetrahydrofuran	ug/l	ND	03/17/09	EH	5.0			
Toluene	ug/l	ND	03/17/09	EH	0.5			
1,2,3-Trichlorobenzene	ug/l	ND	03/17/09	EH	5.0			
1,2,4-Trichlorobenzene	ug/l	ND	03/17/09	EH	1.0			
1,3,5-Trichlorobenzene	ug/l	ND	03/17/09	EH	1.0			
1,1,1-Trichloroethane	ug/l	ND	03/17/09	EH	1.0			
1,1,2-Trichloroethane	ug/l	ND	03/17/09	EH	0.5			
Trichloroethylene	ug/l	ND	03/17/09	EH	0.5			
Trichlorofluoromethane	ug/l	ND	03/17/09	EH	0.5			
1,2,3-Trichloropropane	ug/l	ND	03/17/09	EH	0.5			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	ND	03/17/09	EH	0.5			
1,2,4-Trimethylbenzene	ug/l	ND	03/17/09	EH	0.5			
1,3,5-Trimethylbenzene	ug/l	ND	03/17/09	EH	0.5			
Vinyl Chloride	ug/l	ND	03/17/09	EH	0.5			
m + p Xylene	ug/l	ND	03/17/09	EH	1.0			
o-Xylene	ug/l	ND	03/17/09	EH	0.5			

Analytical Method:

SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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CHRIS SHORES
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 ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: MERIDEN
 Date Received: 3/13/2009
 Field Sample #: AOC-17 MW-1

LIMS-BAT #: LIMIT-23950
 Job Number: 60073489

Sample ID: 09B07759 ‡Sampled: 3/13/2009
 Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Acetone	ug/l	ND	03/18/09	EH	50.0			
Acrylonitrile	ug/l	ND	03/18/09	EH	2.0			
tert-Amylmethyl Ether	ug/l	ND	03/18/09	EH	0.5			
Benzene	ug/l	ND	03/18/09	EH	0.5			
Bromobenzene	ug/l	ND	03/18/09	EH	0.5			
Bromochloromethane	ug/l	ND	03/18/09	EH	0.5			
Bromodichloromethane	ug/l	ND	03/18/09	EH	0.5			
Bromoform	ug/l	ND	03/18/09	EH	0.5			
Bromomethane	ug/l	ND	03/18/09	EH	1.0			
2-Butanone (MEK)	ug/l	ND	03/18/09	EH	2.0			
tert-Butyl Alcohol	ug/l	ND	03/18/09	EH	10.0			
n-Butylbenzene	ug/l	ND	03/18/09	EH	1.0			
sec-Butylbenzene	ug/l	1.8	03/18/09	EH	0.5			
tert-Butylbenzene	ug/l	ND	03/18/09	EH	0.5			
tert-Butylethyl Ether	ug/l	ND	03/18/09	EH	0.5			
Carbon Disulfide	ug/l	ND	03/18/09	EH	0.5			
Carbon Tetrachloride	ug/l	ND	03/18/09	EH	0.5			
Chlorobenzene	ug/l	ND	03/18/09	EH	0.5			
Chlorodibromomethane	ug/l	ND	03/18/09	EH	0.5			
Chloroethane	ug/l	ND	03/18/09	EH	1.0			
Chloroform	ug/l	ND	03/18/09	EH	0.5			
Chloromethane	ug/l	ND	03/18/09	EH	0.5			
2-Chlorotoluene	ug/l	ND	03/18/09	EH	0.5			
4-Chlorotoluene	ug/l	ND	03/18/09	EH	1.0			
1,2-Dibromo-3-Chloropropane	ug/l	ND	03/18/09	EH	1.0			
1,2-Dibromoethane	ug/l	ND	03/18/09	EH	0.50			
Dibromomethane	ug/l	ND	03/18/09	EH	0.5			
1,2-Dichlorobenzene	ug/l	ND	03/18/09	EH	0.5			
1,3-Dichlorobenzene	ug/l	ND	03/18/09	EH	0.5			

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Purchase Order No.:

Project Location: MERIDEN
 Date Received: 3/13/2009
 Field Sample #: AOC-17 MW-1

LIMS-BAT #: LIMIT-23950
 Job Number: 60073489

Sample ID : 09B07759 ‡Sampled : 3/13/2009
 Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
1,4-Dichlorobenzene	ug/l	ND	03/18/09	EH	0.5			
trans-1,4-Dichloro-2-Butene	ug/l	ND	03/18/09	EH	5.0			
Dichlorodifluoromethane	ug/l	ND	03/18/09	EH	0.5			
1,1-Dichloroethane	ug/l	ND	03/18/09	EH	0.5			
1,2-Dichloroethane	ug/l	ND	03/18/09	EH	0.5			
1,1-Dichloroethylene	ug/l	1.3	03/18/09	EH	0.5			
cis-1,2-Dichloroethylene	ug/l	19.0	03/18/09	EH	0.5			
trans-1,2-Dichloroethylene	ug/l	4.6	03/18/09	EH	0.5			
1,2-Dichloropropane	ug/l	ND	03/18/09	EH	0.5			
1,3-Dichloropropane	ug/l	ND	03/18/09	EH	1.0			
2,2-Dichloropropane	ug/l	ND	03/18/09	EH	0.5			
1,1-Dichloropropene	ug/l	ND	03/18/09	EH	0.5			
cis-1,3-Dichloropropene	ug/l	ND	03/18/09	EH	0.5			
trans-1,3-Dichloropropene	ug/l	ND	03/18/09	EH	0.5			
Diethyl Ether	ug/l	ND	03/18/09	EH	0.5			
Diisopropyl Ether	ug/l	ND	03/18/09	EH	0.5			
1,4-Dioxane	ug/l	ND	03/18/09	EH	10.0			
Ethyl Benzene	ug/l	ND	03/18/09	EH	0.5			
Hexachlorobutadiene	ug/l	ND	03/18/09	EH	0.4			
2-Hexanone	ug/l	ND	03/18/09	EH	50.0			
Isopropylbenzene	ug/l	1.0	03/18/09	EH	0.5			
p-Isopropyltoluene	ug/l	ND	03/18/09	EH	0.5			
MTBE	ug/l	ND	03/18/09	EH	0.5			
Methylene Chloride	ug/l	ND	03/18/09	EH	1.0			
MIBK	ug/l	ND	03/18/09	EH	2.0			
Naphthalene	ug/l	ND	03/18/09	EH	5.0			
n-Propylbenzene	ug/l	ND	03/18/09	EH	0.5			
Styrene	ug/l	ND	03/18/09	EH	1.0			
1,1,1,2-Tetrachloroethane	ug/l	ND	03/18/09	EH	0.5			

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Purchase Order No.:

Project Location: MERIDEN
Date Received: 3/13/2009
Field Sample #: AOC-17 MW-1

LIMS-BAT #: LIMIT-23950
Job Number: 60073489

Sample ID : 09B07759 ‡Sampled : 3/13/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
1,1,2,2-Tetrachloroethane	ug/l	ND	03/18/09	EH	0.5			
Tetrachloroethylene	ug/l	1.2	03/18/09	EH	0.5			
Tetrahydrofuran	ug/l	ND	03/18/09	EH	5.0			
Toluene	ug/l	ND	03/18/09	EH	0.5			
1,2,3-Trichlorobenzene	ug/l	ND	03/18/09	EH	5.0			
1,2,4-Trichlorobenzene	ug/l	ND	03/18/09	EH	1.0			
1,3,5-Trichlorobenzene	ug/l	ND	03/18/09	EH	1.0			
1,1,1-Trichloroethane	ug/l	ND	03/18/09	EH	1.0			
1,1,2-Trichloroethane	ug/l	ND	03/18/09	EH	0.5			
Trichloroethylene	ug/l	4.8	03/18/09	EH	0.5			
Trichlorofluoromethane	ug/l	ND	03/18/09	EH	0.5			
1,2,3-Trichloropropane	ug/l	ND	03/18/09	EH	0.5			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	ND	03/18/09	EH	0.5			
1,2,4-Trimethylbenzene	ug/l	ND	03/18/09	EH	0.5			
1,3,5-Trimethylbenzene	ug/l	ND	03/18/09	EH	0.5			
Vinyl Chloride	ug/l	43.9	03/18/09	EH	0.5			
m + p Xylene	ug/l	ND	03/18/09	EH	1.0			
o-Xylene	ug/l	0.8	03/18/09	EH	0.5			

Analytical Method:

SW846 8260

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CHRIS SHORES
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3/24/2009
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Purchase Order No.:

Project Location: MERIDEN
 Date Received: 3/13/2009
 Field Sample #: AOC-3 MW-1

LIMS-BAT #: LIMIT-23950
 Job Number: 60073489

Sample ID: 09B07766

‡Sampled: 3/12/2009
 Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Acetone	ug/l	ND	03/17/09	EH	50.0			
Acrylonitrile	ug/l	ND	03/17/09	EH	2.0			
tert-Amylmethyl Ether	ug/l	ND	03/17/09	EH	0.5			
Benzene	ug/l	ND	03/17/09	EH	0.5			
Bromobenzene	ug/l	ND	03/17/09	EH	0.5			
Bromochloromethane	ug/l	ND	03/17/09	EH	0.5			
Bromodichloromethane	ug/l	ND	03/17/09	EH	0.5			
Bromoform	ug/l	ND	03/17/09	EH	0.5			
Bromomethane	ug/l	ND	03/17/09	EH	1.0			
2-Butanone (MEK)	ug/l	ND	03/17/09	EH	2.0			
tert-Butyl Alcohol	ug/l	ND	03/17/09	EH	10.0			
n-Butylbenzene	ug/l	ND	03/17/09	EH	1.0			
sec-Butylbenzene	ug/l	ND	03/17/09	EH	0.5			
tert-Butylbenzene	ug/l	ND	03/17/09	EH	0.5			
tert-Butylethyl Ether	ug/l	ND	03/17/09	EH	0.5			
Carbon Disulfide	ug/l	ND	03/17/09	EH	0.5			
Carbon Tetrachloride	ug/l	ND	03/17/09	EH	0.5			
Chlorobenzene	ug/l	ND	03/17/09	EH	0.5			
Chlorodibromomethane	ug/l	ND	03/17/09	EH	0.5			
Chloroethane	ug/l	ND	03/17/09	EH	1.0			
Chloroform	ug/l	ND	03/17/09	EH	0.5			
Chloromethane	ug/l	ND	03/17/09	EH	0.5			
2-Chlorotoluene	ug/l	ND	03/17/09	EH	0.5			
4-Chlorotoluene	ug/l	ND	03/17/09	EH	1.0			
1,2-Dibromo-3-Chloropropane	ug/l	ND	03/17/09	EH	1.0			
1,2-Dibromoethane	ug/l	ND	03/17/09	EH	0.50			
Dibromomethane	ug/l	ND	03/17/09	EH	0.5			
1,2-Dichlorobenzene	ug/l	ND	03/17/09	EH	0.5			
1,3-Dichlorobenzene	ug/l	ND	03/17/09	EH	0.5			

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‡ = See attached chain-of-custody record for time sampled



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

CHRIS SHORES
 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
 ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: MERIDEN
 Date Received: 3/13/2009
 Field Sample #: AOC-3 MW-1
 Sample ID : 09B07766

LIMS-BAT #: LIMIT-23950
 Job Number: 60073489

‡Sampled : 3/12/2009
 Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
1,4-Dichlorobenzene	ug/l	ND	03/17/09	EH	0.5			
trans-1,4-Dichloro-2-Butene	ug/l	ND	03/17/09	EH	5.0			
Dichlorodifluoromethane	ug/l	ND	03/17/09	EH	0.5			
1,1-Dichloroethane	ug/l	ND	03/17/09	EH	0.5			
1,2-Dichloroethane	ug/l	ND	03/17/09	EH	0.5			
1,1-Dichloroethylene	ug/l	ND	03/17/09	EH	0.5			
cis-1,2-Dichloroethylene	ug/l	40.0	03/17/09	EH	0.5			
trans-1,2-Dichloroethylene	ug/l	1.0	03/17/09	EH	0.5			
1,2-Dichloropropane	ug/l	ND	03/17/09	EH	0.5			
1,3-Dichloropropane	ug/l	ND	03/17/09	EH	1.0			
2,2-Dichloropropane	ug/l	ND	03/17/09	EH	0.5			
1,1-Dichloropropene	ug/l	ND	03/17/09	EH	0.5			
cis-1,3-Dichloropropene	ug/l	ND	03/17/09	EH	0.5			
trans-1,3-Dichloropropene	ug/l	ND	03/17/09	EH	0.5			
Diethyl Ether	ug/l	ND	03/17/09	EH	0.5			
Diisopropyl Ether	ug/l	ND	03/17/09	EH	0.5			
1,4-Dioxane	ug/l	ND	03/17/09	EH	10.0			
Ethyl Benzene	ug/l	ND	03/17/09	EH	0.5			
Hexachlorobutadiene	ug/l	ND	03/17/09	EH	0.4			
2-Hexanone	ug/l	ND	03/17/09	EH	50.0			
Isopropylbenzene	ug/l	ND	03/17/09	EH	1.0			
p-Isopropyltoluene	ug/l	ND	03/17/09	EH	0.5			
MTBE	ug/l	ND	03/17/09	EH	0.5			
Methylene Chloride	ug/l	ND	03/17/09	EH	1.0			
MIBK	ug/l	ND	03/17/09	EH	2.0			
Naphthalene	ug/l	ND	03/17/09	EH	5.0			
n-Propylbenzene	ug/l	ND	03/17/09	EH	0.5			
Styrene	ug/l	ND	03/17/09	EH	1.0			
1,1,1,2-Tetrachloroethane	ug/l	ND	03/17/09	EH	0.5			

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 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
 ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: MERIDEN
 Date Received: 3/13/2009
 Field Sample #: AOC-3 MW-1

LIMS-BAT #: LIMIT-23950
 Job Number: 60073489

Sample ID: 09B07766 ‡Sampled: 3/12/2009
 Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
1,1,2,2-Tetrachloroethane	ug/l	ND	03/17/09	EH	0.5			
Tetrachloroethylene	ug/l	112	03/17/09	EH	0.5			
Tetrahydrofuran	ug/l	ND	03/17/09	EH	5.0			
Toluene	ug/l	ND	03/17/09	EH	0.5			
1,2,3-Trichlorobenzene	ug/l	ND	03/17/09	EH	5.0			
1,2,4-Trichlorobenzene	ug/l	ND	03/17/09	EH	1.0			
1,3,5-Trichlorobenzene	ug/l	ND	03/17/09	EH	1.0			
1,1,1-Trichloroethane	ug/l	ND	03/17/09	EH	1.0			
1,1,2-Trichloroethane	ug/l	ND	03/17/09	EH	0.5			
Trichloroethylene	ug/l	36.4	03/17/09	EH	0.5			
Trichlorofluoromethane	ug/l	ND	03/17/09	EH	0.5			
1,2,3-Trichloropropane	ug/l	ND	03/17/09	EH	0.5			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	0.6	03/17/09	EH	0.5			
1,2,4-Trimethylbenzene	ug/l	ND	03/17/09	EH	0.5			
1,3,5-Trimethylbenzene	ug/l	ND	03/17/09	EH	0.5			
Vinyl Chloride	ug/l	7.4	03/17/09	EH	0.5			
m + p Xylene	ug/l	ND	03/17/09	EH	1.0			
o-Xylene	ug/l	ND	03/17/09	EH	0.5			

Analytical Method:

SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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CHRIS SHORES
 AECOM - ROCKY HILL, CT
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 ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: MERIDEN
 Date Received: 3/13/2009
 Field Sample #: ME-MW-01

LIMS-BAT #: LIMIT-23950
 Job Number: 60073489

Sample ID: 09B07758 ‡Sampled: 3/13/2009
 Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Acetone	ug/l	ND	03/17/09	EH	50.0			
Acrylonitrile	ug/l	ND	03/17/09	EH	2.0			
tert-Amylmethyl Ether	ug/l	ND	03/17/09	EH	0.5			
Benzene	ug/l	ND	03/17/09	EH	0.5			
Bromobenzene	ug/l	ND	03/17/09	EH	0.5			
Bromochloromethane	ug/l	ND	03/17/09	EH	0.5			
Bromodichloromethane	ug/l	ND	03/17/09	EH	0.5			
Bromoform	ug/l	ND	03/17/09	EH	0.5			
Bromomethane	ug/l	ND	03/17/09	EH	1.0			
2-Butanone (MEK)	ug/l	ND	03/17/09	EH	2.0			
tert-Butyl Alcohol	ug/l	ND	03/17/09	EH	10.0			
n-Butylbenzene	ug/l	ND	03/17/09	EH	1.0			
sec-Butylbenzene	ug/l	ND	03/17/09	EH	0.5			
tert-Butylbenzene	ug/l	ND	03/17/09	EH	0.5			
tert-Butylethyl Ether	ug/l	ND	03/17/09	EH	0.5			
Carbon Disulfide	ug/l	ND	03/17/09	EH	0.5			
Carbon Tetrachloride	ug/l	ND	03/17/09	EH	0.5			
Chlorobenzene	ug/l	ND	03/17/09	EH	0.5			
Chlorodibromomethane	ug/l	ND	03/17/09	EH	0.5			
Chloroethane	ug/l	ND	03/17/09	EH	1.0			
Chloroform	ug/l	ND	03/17/09	EH	0.5			
Chloromethane	ug/l	ND	03/17/09	EH	0.5			
2-Chlorotoluene	ug/l	ND	03/17/09	EH	0.5			
4-Chlorotoluene	ug/l	ND	03/17/09	EH	1.0			
1,2-Dibromo-3-Chloropropane	ug/l	ND	03/17/09	EH	1.0			
1,2-Dibromoethane	ug/l	ND	03/17/09	EH	0.50			
Dibromomethane	ug/l	ND	03/17/09	EH	0.5			
1,2-Dichlorobenzene	ug/l	ND	03/17/09	EH	0.5			
1,3-Dichlorobenzene	ug/l	ND	03/17/09	EH	0.5			

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CHRIS SHORES
 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
 ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: MERIDEN
 Date Received: 3/13/2009
 Field Sample #: ME-MW-01
 Sample ID: 09B07758

LIMS-BAT #: LIMIT-23950
 Job Number: 60073489

‡Sampled : 3/13/2009
 Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
1,4-Dichlorobenzene	ug/l	ND	03/17/09	EH	0.5			
trans-1,4-Dichloro-2-Butene	ug/l	ND	03/17/09	EH	5.0			
Dichlorodifluoromethane	ug/l	ND	03/17/09	EH	0.5			
1,1-Dichloroethane	ug/l	ND	03/17/09	EH	0.5			
1,2-Dichloroethane	ug/l	ND	03/17/09	EH	0.5			
1,1-Dichloroethylene	ug/l	ND	03/17/09	EH	0.5			
cis-1,2-Dichloroethylene	ug/l	5.9	03/17/09	EH	0.5			
trans-1,2-Dichloroethylene	ug/l	ND	03/17/09	EH	0.5			
1,2-Dichloropropane	ug/l	ND	03/17/09	EH	0.5			
1,3-Dichloropropane	ug/l	ND	03/17/09	EH	1.0			
2,2-Dichloropropane	ug/l	ND	03/17/09	EH	0.5			
1,1-Dichloropropene	ug/l	ND	03/17/09	EH	0.5			
cis-1,3-Dichloropropene	ug/l	ND	03/17/09	EH	0.5			
trans-1,3-Dichloropropene	ug/l	ND	03/17/09	EH	0.5			
Diethyl Ether	ug/l	ND	03/17/09	EH	0.5			
Diisopropyl Ether	ug/l	ND	03/17/09	EH	0.5			
1,4-Dioxane	ug/l	ND	03/17/09	EH	10.0			
Ethyl Benzene	ug/l	ND	03/17/09	EH	0.5			
Hexachlorobutadiene	ug/l	ND	03/17/09	EH	0.4			
2-Hexanone	ug/l	ND	03/17/09	EH	50.0			
Isopropylbenzene	ug/l	ND	03/17/09	EH	1.0			
p-Isopropyltoluene	ug/l	ND	03/17/09	EH	0.5			
MTBE	ug/l	ND	03/17/09	EH	0.5			
Methylene Chloride	ug/l	ND	03/17/09	EH	1.0			
MIBK	ug/l	ND	03/17/09	EH	2.0			
Naphthalene	ug/l	ND	03/17/09	EH	5.0			
n-Propylbenzene	ug/l	ND	03/17/09	EH	0.5			
Styrene	ug/l	ND	03/17/09	EH	1.0			
1,1,1,2-Tetrachloroethane	ug/l	ND	03/17/09	EH	0.5			

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39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6406 ° TEL. 413/525-2332

CHRIS SHORES
AECOM - ROCKY HILL, CT
500 ENTERPRISE DRIVE, SUITE 1A
ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: MERIDEN
Date Received: 3/13/2009
Field Sample #: ME-MW-01

LIMS-BAT #: LIMIT-23950
Job Number: 60073489

Sample ID : 09B07758 ‡Sampled : 3/13/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
1,1,2,2-Tetrachloroethane	ug/l	ND	03/17/09	EH	0.5			
Tetrachloroethylene	ug/l	30.6	03/17/09	EH	0.5			
Tetrahydrofuran	ug/l	ND	03/17/09	EH	5.0			
Toluene	ug/l	ND	03/17/09	EH	0.5			
1,2,3-Trichlorobenzene	ug/l	ND	03/17/09	EH	5.0			
1,2,4-Trichlorobenzene	ug/l	ND	03/17/09	EH	1.0			
1,3,5-Trichlorobenzene	ug/l	ND	03/17/09	EH	1.0			
1,1,1-Trichloroethane	ug/l	ND	03/17/09	EH	1.0			
1,1,2-Trichloroethane	ug/l	ND	03/17/09	EH	0.5			
Trichloroethylene	ug/l	59.4	03/17/09	EH	0.5			
Trichlorofluoromethane	ug/l	ND	03/17/09	EH	0.5			
1,2,3-Trichloropropane	ug/l	ND	03/17/09	EH	0.5			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	ND	03/17/09	EH	0.5			
1,2,4-Trimethylbenzene	ug/l	ND	03/17/09	EH	0.5			
1,3,5-Trimethylbenzene	ug/l	ND	03/17/09	EH	0.5			
Vinyl Chloride	ug/l	ND	03/17/09	EH	0.5			
m + p Xylene	ug/l	ND	03/17/09	EH	1.0			
o-Xylene	ug/l	ND	03/17/09	EH	0.5			

Analytical Method:

SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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CHRIS SHORES
 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
 ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: MERIDEN
 Date Received: 3/13/2009
 Field Sample #: ME-MW-02 (INSIDE)

LIMS-BAT #: LIMT-23950
 Job Number: 60073489

Sample ID: 09B07762 ‡Sampled: 3/13/2009
 Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	ug/l	ND	03/18/09	EH	50.0			
Acrylonitrile	ug/l	ND	03/18/09	EH	2.0			
tert-Amylmethyl Ether	ug/l	ND	03/18/09	EH	0.5			
Benzene	ug/l	ND	03/18/09	EH	0.5			
Bromobenzene	ug/l	ND	03/18/09	EH	0.5			
Bromochloromethane	ug/l	ND	03/18/09	EH	0.5			
Bromodichloromethane	ug/l	ND	03/18/09	EH	0.5			
Bromoform	ug/l	ND	03/18/09	EH	0.5			
Bromomethane	ug/l	ND	03/18/09	EH	1.0			
2-Butanone (MEK)	ug/l	ND	03/18/09	EH	2.0			
tert-Butyl Alcohol	ug/l	ND	03/18/09	EH	10.0			
n-Butylbenzene	ug/l	ND	03/18/09	EH	1.0			
sec-Butylbenzene	ug/l	ND	03/18/09	EH	0.5			
tert-Butylbenzene	ug/l	ND	03/18/09	EH	0.5			
tert-Butylethyl Ether	ug/l	ND	03/18/09	EH	0.5			
Carbon Disulfide	ug/l	ND	03/18/09	EH	0.5			
Carbon Tetrachloride	ug/l	ND	03/18/09	EH	0.5			
Chlorobenzene	ug/l	ND	03/18/09	EH	0.5			
Chlorodibromomethane	ug/l	ND	03/18/09	EH	0.5			
Chloroethane	ug/l	ND	03/18/09	EH	1.0			
Chloroform	ug/l	ND	03/18/09	EH	0.5			
Chloromethane	ug/l	ND	03/18/09	EH	0.5			
2-Chlorotoluene	ug/l	ND	03/18/09	EH	0.5			
4-Chlorotoluene	ug/l	ND	03/18/09	EH	1.0			
1,2-Dibromo-3-Chloropropane	ug/l	ND	03/18/09	EH	1.0			
1,2-Dibromoethane	ug/l	ND	03/18/09	EH	0.50			
Dibromomethane	ug/l	ND	03/18/09	EH	0.5			
1,2-Dichlorobenzene	ug/l	ND	03/18/09	EH	0.5			
1,3-Dichlorobenzene	ug/l	ND	03/18/09	EH	0.5			

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CHRIS SHORES
 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
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Purchase Order No.:

Project Location: MERIDEN
 Date Received: 3/13/2009
 Field Sample #: ME-MW-02 (INSIDE)

LIMS-BAT #: LIMIT-23950
 Job Number: 60073489

Sample ID : 09B07762 ‡Sampled : 3/13/2009
 Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
1,4-Dichlorobenzene	ug/l	ND	03/18/09	EH	0.5			
trans-1,4-Dichloro-2-Butene	ug/l	ND	03/18/09	EH	5.0			
Dichlorodifluoromethane	ug/l	ND	03/18/09	EH	0.5			
1,1-Dichloroethane	ug/l	ND	03/18/09	EH	0.5			
1,2-Dichloroethane	ug/l	ND	03/18/09	EH	0.5			
1,1-Dichloroethylene	ug/l	ND	03/18/09	EH	0.5			
cis-1,2-Dichloroethylene	ug/l	ND	03/18/09	EH	0.5			
trans-1,2-Dichloroethylene	ug/l	ND	03/18/09	EH	0.5			
1,2-Dichloropropane	ug/l	ND	03/18/09	EH	0.5			
1,3-Dichloropropane	ug/l	ND	03/18/09	EH	1.0			
2,2-Dichloropropane	ug/l	ND	03/18/09	EH	0.5			
1,1-Dichloropropene	ug/l	ND	03/18/09	EH	0.5			
cis-1,3-Dichloropropene	ug/l	ND	03/18/09	EH	0.5			
trans-1,3-Dichloropropene	ug/l	ND	03/18/09	EH	0.5			
Diethyl Ether	ug/l	ND	03/18/09	EH	0.5			
Diisopropyl Ether	ug/l	ND	03/18/09	EH	0.5			
1,4-Dioxane	ug/l	ND	03/18/09	EH	10.0			
Ethyl Benzene	ug/l	ND	03/18/09	EH	0.5			
Hexachlorobutadiene	ug/l	ND	03/18/09	EH	0.4			
2-Hexanone	ug/l	ND	03/18/09	EH	50.0			
Isopropylbenzene	ug/l	ND	03/18/09	EH	1.0			
p-Isopropyltoluene	ug/l	ND	03/18/09	EH	0.5			
MTBE	ug/l	ND	03/18/09	EH	0.5			
Methylene Chloride	ug/l	ND	03/18/09	EH	1.0			
MIBK	ug/l	ND	03/18/09	EH	2.0			
Naphthalene	ug/l	ND	03/18/09	EH	5.0			
n-Propylbenzene	ug/l	ND	03/18/09	EH	0.5			
Styrene	ug/l	ND	03/18/09	EH	1.0			
1,1,1,2-Tetrachloroethane	ug/l	ND	03/18/09	EH	0.5			

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39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

CHRIS SHORES
AECOM - ROCKY HILL, CT
500 ENTERPRISE DRIVE, SUITE 1A
ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: MERIDEN
Date Received: 3/13/2009
Field Sample #: ME-MW-02 (INSIDE)

LIMS-BAT #: LIMIT-23950
Job Number: 60073489

Sample ID: 09B07762 ‡Sampled: 3/13/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
1,1,2,2-Tetrachloroethane	ug/l	ND	03/18/09	EH	0.5			
Tetrachloroethylene	ug/l	ND	03/18/09	EH	0.5			
Tetrahydrofuran	ug/l	ND	03/18/09	EH	5.0			
Toluene	ug/l	ND	03/18/09	EH	0.5			
1,2,3-Trichlorobenzene	ug/l	ND	03/18/09	EH	5.0			
1,2,4-Trichlorobenzene	ug/l	ND	03/18/09	EH	1.0			
1,3,5-Trichlorobenzene	ug/l	ND	03/18/09	EH	1.0			
1,1,1-Trichloroethane	ug/l	ND	03/18/09	EH	1.0			
1,1,2-Trichloroethane	ug/l	ND	03/18/09	EH	0.5			
Trichloroethylene	ug/l	ND	03/18/09	EH	0.5			
Trichlorofluoromethane	ug/l	ND	03/18/09	EH	0.5			
1,2,3-Trichloropropane	ug/l	ND	03/18/09	EH	0.5			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	ND	03/18/09	EH	0.5			
1,2,4-Trimethylbenzene	ug/l	ND	03/18/09	EH	0.5			
1,3,5-Trimethylbenzene	ug/l	ND	03/18/09	EH	0.5			
Vinyl Chloride	ug/l	ND	03/18/09	EH	0.5			
m + p Xylene	ug/l	ND	03/18/09	EH	1.0			
o-Xylene	ug/l	ND	03/18/09	EH	0.5			

Analytical Method:

SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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Purchase Order No.:

Project Location: MERIDEN
 Date Received: 3/13/2009
 Field Sample #: MW-100

LIMS-BAT #: LIMIT-23950
 Job Number: 60073489

Sample ID : 09B07761 ‡Sampled : 3/13/2009
 Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	ug/l	ND	03/18/09	EH	50.0			
Acrylonitrile	ug/l	ND	03/18/09	EH	2.0			
tert-Amylmethyl Ether	ug/l	ND	03/18/09	EH	0.5			
Benzene	ug/l	ND	03/18/09	EH	0.5			
Bromobenzene	ug/l	ND	03/18/09	EH	0.5			
Bromochloromethane	ug/l	ND	03/18/09	EH	0.5			
Bromodichloromethane	ug/l	ND	03/18/09	EH	0.5			
Bromoform	ug/l	ND	03/18/09	EH	0.5			
Bromomethane	ug/l	ND	03/18/09	EH	1.0			
2-Butanone (MEK)	ug/l	ND	03/18/09	EH	2.0			
tert-Butyl Alcohol	ug/l	ND	03/18/09	EH	10.0			
n-Butylbenzene	ug/l	ND	03/18/09	EH	1.0			
sec-Butylbenzene	ug/l	ND	03/18/09	EH	0.5			
tert-Butylbenzene	ug/l	ND	03/18/09	EH	0.5			
tert-Butylethyl Ether	ug/l	ND	03/18/09	EH	0.5			
Carbon Disulfide	ug/l	ND	03/18/09	EH	0.5			
Carbon Tetrachloride	ug/l	ND	03/18/09	EH	0.5			
Chlorobenzene	ug/l	ND	03/18/09	EH	0.5			
Chlorodibromomethane	ug/l	ND	03/18/09	EH	0.5			
Chloroethane	ug/l	ND	03/18/09	EH	1.0			
Chloroform	ug/l	1.3	03/18/09	EH	0.5			
Chloromethane	ug/l	ND	03/18/09	EH	0.5			
2-Chlorotoluene	ug/l	ND	03/18/09	EH	0.5			
4-Chlorotoluene	ug/l	ND	03/18/09	EH	1.0			
1,2-Dibromo-3-Chloropropane	ug/l	ND	03/18/09	EH	1.0			
1,2-Dibromoethane	ug/l	ND	03/18/09	EH	0.50			
Dibromomethane	ug/l	ND	03/18/09	EH	0.5			
1,2-Dichlorobenzene	ug/l	ND	03/18/09	EH	0.5			
1,3-Dichlorobenzene	ug/l	ND	03/18/09	EH	0.5			

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Purchase Order No.:

Project Location: MERIDEN
Date Received: 3/13/2009
Field Sample #: MW-100

LIMS-BAT #: LIMIT-23950
Job Number: 60073489

Sample ID : 09B07761 ‡Sampled : 3/13/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
1,4-Dichlorobenzene	ug/l	ND	03/18/09	EH	0.5			
trans-1,4-Dichloro-2-Butene	ug/l	ND	03/18/09	EH	5.0			
Dichlorodifluoromethane	ug/l	ND	03/18/09	EH	0.5			
1,1-Dichloroethane	ug/l	ND	03/18/09	EH	0.5			
1,2-Dichloroethane	ug/l	ND	03/18/09	EH	0.5			
1,1-Dichloroethylene	ug/l	ND	03/18/09	EH	0.5			
cis-1,2-Dichloroethylene	ug/l	4.2	03/18/09	EH	0.5			
trans-1,2-Dichloroethylene	ug/l	ND	03/18/09	EH	0.5			
1,2-Dichloropropane	ug/l	ND	03/18/09	EH	0.5			
1,3-Dichloropropane	ug/l	ND	03/18/09	EH	1.0			
2,2-Dichloropropane	ug/l	ND	03/18/09	EH	0.5			
1,1-Dichloropropene	ug/l	ND	03/18/09	EH	0.5			
cis-1,3-Dichloropropene	ug/l	ND	03/18/09	EH	0.5			
trans-1,3-Dichloropropene	ug/l	ND	03/18/09	EH	0.5			
Diethyl Ether	ug/l	ND	03/18/09	EH	0.5			
Diisopropyl Ether	ug/l	ND	03/18/09	EH	0.5			
1,4-Dioxane	ug/l	ND	03/18/09	EH	10.0			
Ethyl Benzene	ug/l	ND	03/18/09	EH	0.5			
Hexachlorobutadiene	ug/l	ND	03/18/09	EH	0.4			
2-Hexanone	ug/l	ND	03/18/09	EH	50.0			
Isopropylbenzene	ug/l	ND	03/18/09	EH	1.0			
p-Isopropyltoluene	ug/l	ND	03/18/09	EH	0.5			
MTBE	ug/l	ND	03/18/09	EH	0.5			
Methylene Chloride	ug/l	ND	03/18/09	EH	1.0			
MIBK	ug/l	ND	03/18/09	EH	2.0			
Naphthalene	ug/l	ND	03/18/09	EH	5.0			
n-Propylbenzene	ug/l	ND	03/18/09	EH	0.5			
Styrene	ug/l	ND	03/18/09	EH	1.0			
1,1,1,2-Tetrachloroethane	ug/l	ND	03/18/09	EH	0.5			

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 ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: MERIDEN
 Date Received: 3/13/2009
 Field Sample #: MW-100

LIMS-BAT #: LIMIT-23950
 Job Number: 60073489

Sample ID : 09B07761 ‡Sampled : 3/13/2009
 Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
1,1,2,2-Tetrachloroethane	ug/l	ND	03/18/09	EH	0.5			
Tetrachloroethylene	ug/l	234	03/18/09	EH	0.5			
Tetrahydrofuran	ug/l	ND	03/18/09	EH	5.0			
Toluene	ug/l	ND	03/18/09	EH	0.5			
1,2,3-Trichlorobenzene	ug/l	ND	03/18/09	EH	5.0			
1,2,4-Trichlorobenzene	ug/l	ND	03/18/09	EH	1.0			
1,3,5-Trichlorobenzene	ug/l	ND	03/18/09	EH	1.0			
1,1,1-Trichloroethane	ug/l	ND	03/18/09	EH	1.0			
1,1,2-Trichloroethane	ug/l	ND	03/18/09	EH	0.5			
Trichloroethylene	ug/l	167	03/18/09	EH	0.5			
Trichlorofluoromethane	ug/l	ND	03/18/09	EH	0.5			
1,2,3-Trichloropropane	ug/l	ND	03/18/09	EH	0.5			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	ND	03/18/09	EH	0.5			
1,2,4-Trimethylbenzene	ug/l	ND	03/18/09	EH	0.5			
1,3,5-Trimethylbenzene	ug/l	ND	03/18/09	EH	0.5			
Vinyl Chloride	ug/l	ND	03/18/09	EH	0.5			
m + p Xylene	ug/l	ND	03/18/09	EH	1.0			
o-Xylene	ug/l	ND	03/18/09	EH	0.5			

Analytical Method:

SW846 8260

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Purchase Order No.:

Project Location: MERIDEN
 Date Received: 3/13/2009
 Field Sample #: MW-101

LIMS-BAT #: LIMIT-23950
 Job Number: 60073489

Sample ID: 09B07760 ‡Sampled: 3/13/2009
 Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	ug/l	ND	03/17/09	EH	50.0			
Acrylonitrile	ug/l	ND	03/17/09	EH	2.0			
tert-Amylmethyl Ether	ug/l	ND	03/17/09	EH	0.5			
Benzene	ug/l	ND	03/17/09	EH	0.5			
Bromobenzene	ug/l	ND	03/17/09	EH	0.5			
Bromochloromethane	ug/l	ND	03/17/09	EH	0.5			
Bromodichloromethane	ug/l	ND	03/17/09	EH	0.5			
Bromoform	ug/l	ND	03/17/09	EH	0.5			
Bromomethane	ug/l	ND	03/17/09	EH	1.0			
2-Butanone (MEK)	ug/l	ND	03/17/09	EH	2.0			
tert-Butyl Alcohol	ug/l	ND	03/17/09	EH	10.0			
n-Butylbenzene	ug/l	ND	03/17/09	EH	1.0			
sec-Butylbenzene	ug/l	ND	03/17/09	EH	0.5			
tert-Butylbenzene	ug/l	ND	03/17/09	EH	0.5			
tert-Butylethyl Ether	ug/l	ND	03/17/09	EH	0.5			
Carbon Disulfide	ug/l	ND	03/17/09	EH	0.5			
Carbon Tetrachloride	ug/l	ND	03/17/09	EH	0.5			
Chlorobenzene	ug/l	ND	03/17/09	EH	0.5			
Chlorodibromomethane	ug/l	ND	03/17/09	EH	0.5			
Chloroethane	ug/l	ND	03/17/09	EH	1.0			
Chloroform	ug/l	1.5	03/17/09	EH	0.5			
Chloromethane	ug/l	ND	03/17/09	EH	0.5			
2-Chlorotoluene	ug/l	ND	03/17/09	EH	0.5			
4-Chlorotoluene	ug/l	ND	03/17/09	EH	1.0			
1,2-Dibromo-3-Chloropropane	ug/l	ND	03/17/09	EH	1.0			
1,2-Dibromoethane	ug/l	ND	03/17/09	EH	0.50			
Dibromomethane	ug/l	ND	03/17/09	EH	0.5			
1,2-Dichlorobenzene	ug/l	ND	03/17/09	EH	0.5			
1,3-Dichlorobenzene	ug/l	ND	03/17/09	EH	0.5			

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Purchase Order No.:

Project Location: MERIDEN
 Date Received: 3/13/2009
 Field Sample #: MW-101

LIMS-BAT #: LIMIT-23950
 Job Number: 60073489

Sample ID : 09B07760 ‡Sampled : 3/13/2009
 Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
1,4-Dichlorobenzene	ug/l	ND	03/17/09	EH	0.5			
trans-1,4-Dichloro-2-Butene	ug/l	ND	03/17/09	EH	5.0			
Dichlorodifluoromethane	ug/l	ND	03/17/09	EH	0.5			
1,1-Dichloroethane	ug/l	ND	03/17/09	EH	0.5			
1,2-Dichloroethane	ug/l	ND	03/17/09	EH	0.5			
1,1-Dichloroethylene	ug/l	13.2	03/17/09	EH	0.5			
cis-1,2-Dichloroethylene	ug/l	623	03/17/09	EH	0.5			
trans-1,2-Dichloroethylene	ug/l	72.3	03/17/09	EH	0.5			
1,2-Dichloropropane	ug/l	ND	03/17/09	EH	0.5			
1,3-Dichloropropane	ug/l	ND	03/17/09	EH	1.0			
2,2-Dichloropropane	ug/l	ND	03/17/09	EH	0.5			
1,1-Dichloropropene	ug/l	ND	03/17/09	EH	0.5			
cis-1,3-Dichloropropene	ug/l	ND	03/17/09	EH	0.5			
trans-1,3-Dichloropropene	ug/l	ND	03/17/09	EH	0.5			
Diethyl Ether	ug/l	ND	03/17/09	EH	0.5			
Diisopropyl Ether	ug/l	ND	03/17/09	EH	0.5			
1,4-Dioxane	ug/l	ND	03/17/09	EH	10.0			
Ethyl Benzene	ug/l	ND	03/17/09	EH	0.5			
Hexachlorobutadiene	ug/l	ND	03/17/09	EH	0.4			
2-Hexanone	ug/l	ND	03/17/09	EH	50.0			
Isopropylbenzene	ug/l	ND	03/17/09	EH	1.0			
p-Isopropyltoluene	ug/l	ND	03/17/09	EH	0.5			
MTBE	ug/l	ND	03/17/09	EH	0.5			
Methylene Chloride	ug/l	ND	03/17/09	EH	1.0			
MIBK	ug/l	ND	03/17/09	EH	2.0			
Naphthalene	ug/l	ND	03/17/09	EH	5.0			
n-Propylbenzene	ug/l	ND	03/17/09	EH	0.5			
Styrene	ug/l	ND	03/17/09	EH	1.0			
1,1,1,2-Tetrachloroethane	ug/l	ND	03/17/09	EH	0.5			

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Purchase Order No.:

Project Location: MERIDEN
Date Received: 3/13/2009
Field Sample #: MW-101

LIMS-BAT #: LIMIT-23950
Job Number: 60073489

Sample ID: 09B07760

‡Sampled: 3/13/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
1,1,2,2-Tetrachloroethane	ug/l	ND	03/17/09	EH	0.5			
Tetrachloroethylene	ug/l	252	03/17/09	EH	0.5			
Tetrahydrofuran	ug/l	ND	03/17/09	EH	5.0			
Toluene	ug/l	ND	03/17/09	EH	0.5			
1,2,3-Trichlorobenzene	ug/l	ND	03/17/09	EH	5.0			
1,2,4-Trichlorobenzene	ug/l	ND	03/17/09	EH	1.0			
1,3,5-Trichlorobenzene	ug/l	ND	03/17/09	EH	1.0			
1,1,1-Trichloroethane	ug/l	ND	03/17/09	EH	1.0			
1,1,2-Trichloroethane	ug/l	ND	03/17/09	EH	0.5			
Trichloroethylene	ug/l	1060	03/17/09	EH	0.5			
Trichlorofluoromethane	ug/l	ND	03/17/09	EH	0.5			
1,2,3-Trichloropropane	ug/l	ND	03/17/09	EH	0.5			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	ND	03/17/09	EH	0.5			
1,2,4-Trimethylbenzene	ug/l	ND	03/17/09	EH	0.5			
1,3,5-Trimethylbenzene	ug/l	ND	03/17/09	EH	0.5			
Vinyl Chloride	ug/l	132	03/17/09	EH	0.5			
m + p Xylene	ug/l	ND	03/17/09	EH	1.0			
o-Xylene	ug/l	ND	03/17/09	EH	0.5			

Analytical Method:

SW846 8260

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Purchase Order No.:

Project Location: MERIDEN
 Date Received: 3/13/2009
 Field Sample #: MW-102

LIMS-BAT #: LIMIT-23950
 Job Number: 60073489

Sample ID: 09B07765 ‡Sampled: 3/12/2009
 Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Acetone	ug/l	ND	03/17/09	EH	50.0			
Acrylonitrile	ug/l	ND	03/17/09	EH	2.0			
tert-Amylmethyl Ether	ug/l	ND	03/17/09	EH	0.5			
Benzene	ug/l	ND	03/17/09	EH	0.5			
Bromobenzene	ug/l	ND	03/17/09	EH	0.5			
Bromochloromethane	ug/l	ND	03/17/09	EH	0.5			
Bromodichloromethane	ug/l	ND	03/17/09	EH	0.5			
Bromoform	ug/l	ND	03/17/09	EH	0.5			
Bromomethane	ug/l	ND	03/17/09	EH	1.0			
2-Butanone (MEK)	ug/l	ND	03/17/09	EH	2.0			
tert-Butyl Alcohol	ug/l	ND	03/17/09	EH	10.0			
n-Butylbenzene	ug/l	ND	03/17/09	EH	1.0			
sec-Butylbenzene	ug/l	ND	03/17/09	EH	0.5			
tert-Butylbenzene	ug/l	ND	03/17/09	EH	0.5			
tert-Butylethyl Ether	ug/l	ND	03/17/09	EH	0.5			
Carbon Disulfide	ug/l	ND	03/17/09	EH	0.5			
Carbon Tetrachloride	ug/l	ND	03/17/09	EH	0.5			
Chlorobenzene	ug/l	ND	03/17/09	EH	0.5			
Chlorodibromomethane	ug/l	ND	03/17/09	EH	0.5			
Chloroethane	ug/l	ND	03/17/09	EH	1.0			
Chloroform	ug/l	0.9	03/17/09	EH	0.5			
Chloromethane	ug/l	ND	03/17/09	EH	0.5			
2-Chlorotoluene	ug/l	ND	03/17/09	EH	0.5			
4-Chlorotoluene	ug/l	ND	03/17/09	EH	1.0			
1,2-Dibromo-3-Chloropropane	ug/l	ND	03/17/09	EH	1.0			
1,2-Dibromoethane	ug/l	ND	03/17/09	EH	0.50			
Dibromomethane	ug/l	ND	03/17/09	EH	0.5			
1,2-Dichlorobenzene	ug/l	ND	03/17/09	EH	0.5			
1,3-Dichlorobenzene	ug/l	ND	03/17/09	EH	0.5			

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‡ = See attached chain-of-custody record for time sampled

CHRIS SHORES
 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
 ROCKY HILL, CT 06067

3/24/2009
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Purchase Order No.:

Project Location: MERIDEN
 Date Received: 3/13/2009
 Field Sample #: MW-102

LIMS-BAT #: LIMIT-23950
 Job Number: 60073489

Sample ID : 09B07765 ‡Sampled : 3/12/2009
 Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
1,4-Dichlorobenzene	ug/l	ND	03/17/09	EH	0.5			
trans-1,4-Dichloro-2-Butene	ug/l	ND	03/17/09	EH	5.0			
Dichlorodifluoromethane	ug/l	ND	03/17/09	EH	0.5			
1,1-Dichloroethane	ug/l	ND	03/17/09	EH	0.5			
1,2-Dichloroethane	ug/l	ND	03/17/09	EH	0.5			
1,1-Dichloroethylene	ug/l	ND	03/17/09	EH	0.5			
cis-1,2-Dichloroethylene	ug/l	5.7	03/17/09	EH	0.5			
trans-1,2-Dichloroethylene	ug/l	0.6	03/17/09	EH	0.5			
1,2-Dichloropropane	ug/l	ND	03/17/09	EH	0.5			
1,3-Dichloropropane	ug/l	ND	03/17/09	EH	1.0			
2,2-Dichloropropane	ug/l	ND	03/17/09	EH	0.5			
1,1-Dichloropropene	ug/l	ND	03/17/09	EH	0.5			
cis-1,3-Dichloropropene	ug/l	ND	03/17/09	EH	0.5			
trans-1,3-Dichloropropene	ug/l	ND	03/17/09	EH	0.5			
Diethyl Ether	ug/l	ND	03/17/09	EH	0.5			
Diisopropyl Ether	ug/l	ND	03/17/09	EH	0.5			
1,4-Dioxane	ug/l	ND	03/17/09	EH	10.0			
Ethyl Benzene	ug/l	ND	03/17/09	EH	0.5			
Hexachlorobutadiene	ug/l	ND	03/17/09	EH	0.4			
2-Hexanone	ug/l	ND	03/17/09	EH	50.0			
Isopropylbenzene	ug/l	ND	03/17/09	EH	1.0			
p-Isopropyltoluene	ug/l	ND	03/17/09	EH	0.5			
MTBE	ug/l	ND	03/17/09	EH	0.5			
Methylene Chloride	ug/l	ND	03/17/09	EH	1.0			
MIBK	ug/l	ND	03/17/09	EH	2.0			
Naphthalene	ug/l	ND	03/17/09	EH	5.0			
n-Propylbenzene	ug/l	ND	03/17/09	EH	0.5			
Styrene	ug/l	ND	03/17/09	EH	1.0			
1,1,1,2-Tetrachloroethane	ug/l	ND	03/17/09	EH	0.5			

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CHRIS SHORES
 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
 ROCKY HILL, CT 06067

3/24/2009
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Purchase Order No.:

Project Location: MERIDEN
 Date Received: 3/13/2009
 Field Sample #: MW-102

LIMS-BAT #: LIMIT-23950
 Job Number: 60073489

Sample ID: 09B07765 ‡Sampled: 3/12/2009
 Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
1,1,2,2-Tetrachloroethane	ug/l	ND	03/17/09	EH	0.5			
Tetrachloroethylene	ug/l	139	03/17/09	EH	0.5			
Tetrahydrofuran	ug/l	ND	03/17/09	EH	5.0			
Toluene	ug/l	ND	03/17/09	EH	0.5			
1,2,3-Trichlorobenzene	ug/l	ND	03/17/09	EH	5.0			
1,2,4-Trichlorobenzene	ug/l	ND	03/17/09	EH	1.0			
1,3,5-Trichlorobenzene	ug/l	ND	03/17/09	EH	1.0			
1,1,1-Trichloroethane	ug/l	ND	03/17/09	EH	1.0			
1,1,2-Trichloroethane	ug/l	ND	03/17/09	EH	0.5			
Trichloroethylene	ug/l	124	03/17/09	EH	0.5			
Trichlorofluoromethane	ug/l	ND	03/17/09	EH	0.5			
1,2,3-Trichloropropane	ug/l	ND	03/17/09	EH	0.5			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	ND	03/17/09	EH	0.5			
1,2,4-Trimethylbenzene	ug/l	ND	03/17/09	EH	0.5			
1,3,5-Trimethylbenzene	ug/l	ND	03/17/09	EH	0.5			
Vinyl Chloride	ug/l	ND	03/17/09	EH	0.5			
m + p Xylene	ug/l	ND	03/17/09	EH	1.0			
o-Xylene	ug/l	ND	03/17/09	EH	0.5			

Analytical Method:
 SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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CHRIS SHORES
 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
 ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: MERIDEN
 Date Received: 3/13/2009
 Field Sample #: MW-102 DUP
 Sample ID : 09B07768
 Sample Matrix: GRND WATER

LIMS-BAT #: LIMIT-23950
 Job Number: 60073489

‡Sampled : 3/12/2009
 Not Specified

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	ug/l	ND	03/17/09	EH	50.0			
Acrylonitrile	ug/l	ND	03/17/09	EH	2.0			
tert-Amylmethyl Ether	ug/l	ND	03/17/09	EH	0.5			
Benzene	ug/l	ND	03/17/09	EH	0.5			
Bromobenzene	ug/l	ND	03/17/09	EH	0.5			
Bromochloromethane	ug/l	ND	03/17/09	EH	0.5			
Bromodichloromethane	ug/l	ND	03/17/09	EH	0.5			
Bromoform	ug/l	ND	03/17/09	EH	0.5			
Bromomethane	ug/l	ND	03/17/09	EH	1.0			
2-Butanone (MEK)	ug/l	ND	03/17/09	EH	2.0			
tert-Butyl Alcohol	ug/l	ND	03/17/09	EH	10.0			
n-Butylbenzene	ug/l	ND	03/17/09	EH	1.0			
sec-Butylbenzene	ug/l	ND	03/17/09	EH	0.5			
tert-Butylbenzene	ug/l	ND	03/17/09	EH	0.5			
tert-Butylethyl Ether	ug/l	ND	03/17/09	EH	0.5			
Carbon Disulfide	ug/l	ND	03/17/09	EH	0.5			
Carbon Tetrachloride	ug/l	ND	03/17/09	EH	0.5			
Chlorobenzene	ug/l	ND	03/17/09	EH	0.5			
Chlorodibromomethane	ug/l	ND	03/17/09	EH	0.5			
Chloroethane	ug/l	ND	03/17/09	EH	1.0			
Chloroform	ug/l	ND	03/17/09	EH	0.5			
Chloromethane	ug/l	ND	03/17/09	EH	0.5			
2-Chlorotoluene	ug/l	ND	03/17/09	EH	0.5			
4-Chlorotoluene	ug/l	ND	03/17/09	EH	1.0			
1,2-Dibromo-3-Chloropropane	ug/l	ND	03/17/09	EH	1.0			
1,2-Dibromoethane	ug/l	ND	03/17/09	EH	0.50			
Dibromomethane	ug/l	ND	03/17/09	EH	0.5			
1,2-Dichlorobenzene	ug/l	ND	03/17/09	EH	0.5			
1,3-Dichlorobenzene	ug/l	ND	03/17/09	EH	0.5			

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39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

CHRIS SHORES
 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
 ROCKY HILL, CT 06067

3/24/2009
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Purchase Order No.:

Project Location: MERIDEN
 Date Received: 3/13/2009
 Field Sample #: MW-102 DUP

LIMS-BAT #: LIMT-23950
 Job Number: 60073489

Sample ID: 09B07768 ‡Sampled: 3/12/2009
 Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
1,4-Dichlorobenzene	ug/l	ND	03/17/09	EH	0.5			
trans-1,4-Dichloro-2-Butene	ug/l	ND	03/17/09	EH	5.0			
Dichlorodifluoromethane	ug/l	ND	03/17/09	EH	0.5			
1,1-Dichloroethane	ug/l	ND	03/17/09	EH	0.5			
1,2-Dichloroethane	ug/l	ND	03/17/09	EH	0.5			
1,1-Dichloroethylene	ug/l	ND	03/17/09	EH	0.5			
cis-1,2-Dichloroethylene	ug/l	5.9	03/17/09	EH	0.5			
trans-1,2-Dichloroethylene	ug/l	0.7	03/17/09	EH	0.5			
1,2-Dichloropropane	ug/l	ND	03/17/09	EH	0.5			
1,3-Dichloropropane	ug/l	ND	03/17/09	EH	1.0			
2,2-Dichloropropane	ug/l	ND	03/17/09	EH	0.5			
1,1-Dichloropropene	ug/l	ND	03/17/09	EH	0.5			
cis-1,3-Dichloropropene	ug/l	ND	03/17/09	EH	0.5			
trans-1,3-Dichloropropene	ug/l	ND	03/17/09	EH	0.5			
Diethyl Ether	ug/l	ND	03/17/09	EH	0.5			
Diisopropyl Ether	ug/l	ND	03/17/09	EH	0.5			
1,4-Dioxane	ug/l	ND	03/17/09	EH	10.0			
Ethyl Benzene	ug/l	ND	03/17/09	EH	0.5			
Hexachlorobutadiene	ug/l	ND	03/17/09	EH	0.4			
2-Hexanone	ug/l	ND	03/17/09	EH	50.0			
Isopropylbenzene	ug/l	ND	03/17/09	EH	1.0			
p-Isopropyltoluene	ug/l	ND	03/17/09	EH	0.5			
MTBE	ug/l	ND	03/17/09	EH	0.5			
Methylene Chloride	ug/l	ND	03/17/09	EH	1.0			
MIBK	ug/l	ND	03/17/09	EH	2.0			
Naphthalene	ug/l	ND	03/17/09	EH	5.0			
n-Propylbenzene	ug/l	ND	03/17/09	EH	0.5			
Styrene	ug/l	ND	03/17/09	EH	1.0			
1,1,1,2-Tetrachloroethane	ug/l	ND	03/17/09	EH	0.5			

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39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

CHRIS SHORES
AECOM - ROCKY HILL, CT
500 ENTERPRISE DRIVE, SUITE 1A
ROCKY HILL, CT 06067

3/24/2009
Page 29 of 43

Purchase Order No.:

Project Location: MERIDEN
Date Received: 3/13/2009
Field Sample #: MW-102 DUP
Sample ID: 09B07768

LIMS-BAT #: LIMIT-23950
Job Number: 60073489

‡Sampled: 3/12/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
1,1,2,2-Tetrachloroethane	ug/l	ND	03/17/09	EH	0.5			
Tetrachloroethylene	ug/l	134	03/17/09	EH	0.5			
Tetrahydrofuran	ug/l	ND	03/17/09	EH	5.0			
Toluene	ug/l	ND	03/17/09	EH	0.5			
1,2,3-Trichlorobenzene	ug/l	ND	03/17/09	EH	5.0			
1,2,4-Trichlorobenzene	ug/l	ND	03/17/09	EH	1.0			
1,3,5-Trichlorobenzene	ug/l	ND	03/17/09	EH	1.0			
1,1,1-Trichloroethane	ug/l	ND	03/17/09	EH	1.0			
1,1,2-Trichloroethane	ug/l	ND	03/17/09	EH	0.5			
Trichloroethylene	ug/l	115	03/17/09	EH	0.5			
Trichlorofluoromethane	ug/l	ND	03/17/09	EH	0.5			
1,2,3-Trichloropropane	ug/l	ND	03/17/09	EH	0.5			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	ND	03/17/09	EH	0.5			
1,2,4-Trimethylbenzene	ug/l	ND	03/17/09	EH	0.5			
1,3,5-Trimethylbenzene	ug/l	ND	03/17/09	EH	0.5			
Vinyl Chloride	ug/l	ND	03/17/09	EH	0.5			
m + p Xylene	ug/l	ND	03/17/09	EH	1.0			
o-Xylene	ug/l	ND	03/17/09	EH	0.5			

Analytical Method:

SW846 8260

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CHRIS SHORES
 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
 ROCKY HILL, CT 06067

3/24/2009
 Page 30 of 43

Purchase Order No.:

Project Location: MERIDEN
 Date Received: 3/13/2009
 Field Sample #: MW-11

LIMS-BAT #: LIMIT-23950
 Job Number: 60073489

Sample ID: 09B07764 ‡Sampled: 3/12/2009
 Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Acetone	ug/l	ND	03/17/09	EH	50.0			
Acrylonitrile	ug/l	ND	03/17/09	EH	2.0			
tert-Amylmethyl Ether	ug/l	ND	03/17/09	EH	0.5			
Benzene	ug/l	ND	03/17/09	EH	0.5			
Bromobenzene	ug/l	ND	03/17/09	EH	0.5			
Bromochloromethane	ug/l	ND	03/17/09	EH	0.5			
Bromodichloromethane	ug/l	ND	03/17/09	EH	0.5			
Bromoform	ug/l	ND	03/17/09	EH	0.5			
Bromomethane	ug/l	ND	03/17/09	EH	1.0			
2-Butanone (MEK)	ug/l	ND	03/17/09	EH	2.0			
tert-Butyl Alcohol	ug/l	ND	03/17/09	EH	10.0			
n-Butylbenzene	ug/l	ND	03/17/09	EH	1.0			
sec-Butylbenzene	ug/l	ND	03/17/09	EH	0.5			
tert-Butylbenzene	ug/l	ND	03/17/09	EH	0.5			
tert-Butylethyl Ether	ug/l	ND	03/17/09	EH	0.5			
Carbon Disulfide	ug/l	ND	03/17/09	EH	0.5			
Carbon Tetrachloride	ug/l	ND	03/17/09	EH	0.5			
Chlorobenzene	ug/l	ND	03/17/09	EH	0.5			
Chlorodibromomethane	ug/l	ND	03/17/09	EH	0.5			
Chloroethane	ug/l	ND	03/17/09	EH	1.0			
Chloroform	ug/l	ND	03/17/09	EH	0.5			
Chloromethane	ug/l	ND	03/17/09	EH	0.5			
2-Chlorotoluene	ug/l	ND	03/17/09	EH	0.5			
4-Chlorotoluene	ug/l	ND	03/17/09	EH	1.0			
1,2-Dibromo-3-Chloropropane	ug/l	ND	03/17/09	EH	1.0			
1,2-Dibromoethane	ug/l	ND	03/17/09	EH	0.50			
Dibromomethane	ug/l	ND	03/17/09	EH	0.5			
1,2-Dichlorobenzene	ug/l	ND	03/17/09	EH	0.5			
1,3-Dichlorobenzene	ug/l	ND	03/17/09	EH	0.5			

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CHRIS SHORES
 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
 ROCKY HILL, CT 06067

3/24/2009
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Purchase Order No.:

Project Location: MERIDEN
 Date Received: 3/13/2009
 Field Sample #: MW-11

LIMS-BAT #: LIMIT-23950
 Job Number: 60073489

Sample ID: 09B07764 ‡Sampled: 3/12/2009
 Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
1,4-Dichlorobenzene	ug/l	ND	03/17/09	EH	0.5			
trans-1,4-Dichloro-2-Butene	ug/l	ND	03/17/09	EH	5.0			
Dichlorodifluoromethane	ug/l	ND	03/17/09	EH	0.5			
1,1-Dichloroethane	ug/l	ND	03/17/09	EH	0.5			
1,2-Dichloroethane	ug/l	ND	03/17/09	EH	0.5			
1,1-Dichloroethylene	ug/l	ND	03/17/09	EH	0.5			
cis-1,2-Dichloroethylene	ug/l	13.1	03/17/09	EH	0.5			
trans-1,2-Dichloroethylene	ug/l	1.3	03/17/09	EH	0.5			
1,2-Dichloropropane	ug/l	ND	03/17/09	EH	0.5			
1,3-Dichloropropane	ug/l	ND	03/17/09	EH	1.0			
2,2-Dichloropropane	ug/l	ND	03/17/09	EH	0.5			
1,1-Dichloropropene	ug/l	ND	03/17/09	EH	0.5			
cis-1,3-Dichloropropene	ug/l	ND	03/17/09	EH	0.5			
trans-1,3-Dichloropropene	ug/l	ND	03/17/09	EH	0.5			
Diethyl Ether	ug/l	ND	03/17/09	EH	0.5			
Diisopropyl Ether	ug/l	ND	03/17/09	EH	0.5			
1,4-Dioxane	ug/l	ND	03/17/09	EH	10.0			
Ethyl Benzene	ug/l	ND	03/17/09	EH	0.5			
Hexachlorobutadiene	ug/l	ND	03/17/09	EH	0.4			
2-Hexanone	ug/l	ND	03/17/09	EH	50.0			
Isopropylbenzene	ug/l	ND	03/17/09	EH	1.0			
p-Isopropyltoluene	ug/l	ND	03/17/09	EH	0.5			
MTBE	ug/l	ND	03/17/09	EH	0.5			
Methylene Chloride	ug/l	ND	03/17/09	EH	1.0			
MIBK	ug/l	ND	03/17/09	EH	2.0			
Naphthalene	ug/l	ND	03/17/09	EH	5.0			
n-Propylbenzene	ug/l	ND	03/17/09	EH	0.5			
Styrene	ug/l	ND	03/17/09	EH	1.0			
1,1,1,2-Tetrachloroethane	ug/l	ND	03/17/09	EH	0.5			

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CHRIS SHORES
 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
 ROCKY HILL, CT 06067

3/24/2009
 Page 32 of 43

Purchase Order No.:

Project Location: MERIDEN
 Date Received: 3/13/2009
 Field Sample #: MW-11

LIMS-BAT #: LIMIT-23950
 Job Number: 60073489

Sample ID: 09B07764 ‡Sampled: 3/12/2009
 Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
1,1,2,2-Tetrachloroethane	ug/l	ND	03/17/09	EH	0.5			
Tetrachloroethylene	ug/l	101	03/17/09	EH	0.5			
Tetrahydrofuran	ug/l	ND	03/17/09	EH	5.0			
Toluene	ug/l	ND	03/17/09	EH	0.5			
1,2,3-Trichlorobenzene	ug/l	ND	03/17/09	EH	5.0			
1,2,4-Trichlorobenzene	ug/l	ND	03/17/09	EH	1.0			
1,3,5-Trichlorobenzene	ug/l	ND	03/17/09	EH	1.0			
1,1,1-Trichloroethane	ug/l	ND	03/17/09	EH	1.0			
1,1,2-Trichloroethane	ug/l	ND	03/17/09	EH	0.5			
Trichloroethylene	ug/l	24.1	03/17/09	EH	0.5			
Trichlorofluoromethane	ug/l	ND	03/17/09	EH	0.5			
1,2,3-Trichloropropane	ug/l	ND	03/17/09	EH	0.5			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	ND	03/17/09	EH	0.5			
1,2,4-Trimethylbenzene	ug/l	ND	03/17/09	EH	0.5			
1,3,5-Trimethylbenzene	ug/l	ND	03/17/09	EH	0.5			
Vinyl Chloride	ug/l	ND	03/17/09	EH	0.5			
m + p Xylene	ug/l	ND	03/17/09	EH	1.0			
o-Xylene	ug/l	ND	03/17/09	EH	0.5			

Analytical Method:
 SW846 8260

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CHRIS SHORES
 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
 ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: MERIDEN
 Date Received: 3/13/2009
 Field Sample #: TB

LIMS-BAT #: LIMIT-23950
 Job Number: 60073489

Sample ID : 09B07771 ‡Sampled : 3/13/2009
 Not Specified

Sample Matrix: WATER OTHER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	ug/l	ND	03/17/09	EH	50.0			
Acrylonitrile	ug/l	ND	03/17/09	EH	2.0			
tert-Amylmethyl Ether	ug/l	ND	03/17/09	EH	0.5			
Benzene	ug/l	ND	03/17/09	EH	0.5			
Bromobenzene	ug/l	ND	03/17/09	EH	0.5			
Bromochloromethane	ug/l	ND	03/17/09	EH	0.5			
Bromodichloromethane	ug/l	ND	03/17/09	EH	0.5			
Bromoform	ug/l	ND	03/17/09	EH	0.5			
Bromomethane	ug/l	ND	03/17/09	EH	1.0			
2-Butanone (MEK)	ug/l	ND	03/17/09	EH	2.0			
tert-Butyl Alcohol	ug/l	ND	03/17/09	EH	10.0			
n-Butylbenzene	ug/l	ND	03/17/09	EH	1.0			
sec-Butylbenzene	ug/l	ND	03/17/09	EH	0.5			
tert-Butylbenzene	ug/l	ND	03/17/09	EH	0.5			
tert-Butylethyl Ether	ug/l	ND	03/17/09	EH	0.5			
Carbon Disulfide	ug/l	ND	03/17/09	EH	0.5			
Carbon Tetrachloride	ug/l	ND	03/17/09	EH	0.5			
Chlorobenzene	ug/l	ND	03/17/09	EH	0.5			
Chlorodibromomethane	ug/l	ND	03/17/09	EH	0.5			
Chloroethane	ug/l	ND	03/17/09	EH	1.0			
Chloroform	ug/l	ND	03/17/09	EH	0.5			
Chloromethane	ug/l	ND	03/17/09	EH	0.5			
2-Chlorotoluene	ug/l	ND	03/17/09	EH	0.5			
4-Chlorotoluene	ug/l	ND	03/17/09	EH	1.0			
1,2-Dibromo-3-Chloropropane	ug/l	ND	03/17/09	EH	1.0			
1,2-Dibromoethane	ug/l	ND	03/17/09	EH	0.50			
Dibromomethane	ug/l	ND	03/17/09	EH	0.5			
1,2-Dichlorobenzene	ug/l	ND	03/17/09	EH	0.5			
1,3-Dichlorobenzene	ug/l	ND	03/17/09	EH	0.5			

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‡ = See attached chain-of-custody record for time sampled

CHRIS SHORES
 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
 ROCKY HILL, CT 06067

3/24/2009
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Purchase Order No.:

Project Location: MERIDEN
 Date Received: 3/13/2009

LIMS-BAT #: LIMIT-23950
 Job Number: 60073489

Field Sample #: TB

Sample ID: 09B07771

‡Sampled: 3/13/2009
 Not Specified

Sample Matrix: WATER OTHER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
1,4-Dichlorobenzene	ug/l	ND	03/17/09	EH	0.5			
trans-1,4-Dichloro-2-Butene	ug/l	ND	03/17/09	EH	5.0			
Dichlorodifluoromethane	ug/l	ND	03/17/09	EH	0.5			
1,1-Dichloroethane	ug/l	ND	03/17/09	EH	0.5			
1,2-Dichloroethane	ug/l	ND	03/17/09	EH	0.5			
1,1-Dichloroethylene	ug/l	ND	03/17/09	EH	0.5			
cis-1,2-Dichloroethylene	ug/l	ND	03/17/09	EH	0.5			
trans-1,2-Dichloroethylene	ug/l	ND	03/17/09	EH	0.5			
1,2-Dichloropropane	ug/l	ND	03/17/09	EH	0.5			
1,3-Dichloropropane	ug/l	ND	03/17/09	EH	1.0			
2,2-Dichloropropane	ug/l	ND	03/17/09	EH	0.5			
1,1-Dichloropropene	ug/l	ND	03/17/09	EH	0.5			
cis-1,3-Dichloropropene	ug/l	ND	03/17/09	EH	0.5			
trans-1,3-Dichloropropene	ug/l	ND	03/17/09	EH	0.5			
Diethyl Ether	ug/l	ND	03/17/09	EH	0.5			
Diisopropyl Ether	ug/l	ND	03/17/09	EH	0.5			
1,4-Dioxane	ug/l	ND	03/17/09	EH	10.0			
Ethyl Benzene	ug/l	ND	03/17/09	EH	0.5			
Hexachlorobutadiene	ug/l	ND	03/17/09	EH	0.4			
2-Hexanone	ug/l	ND	03/17/09	EH	50.0			
Isopropylbenzene	ug/l	ND	03/17/09	EH	1.0			
p-Isopropyltoluene	ug/l	ND	03/17/09	EH	0.5			
MTBE	ug/l	ND	03/17/09	EH	0.5			
Methylene Chloride	ug/l	1.8	03/17/09	EH	0.5			
MIBK	ug/l	ND	03/17/09	EH	2.0			
Naphthalene	ug/l	ND	03/17/09	EH	5.0			
n-Propylbenzene	ug/l	ND	03/17/09	EH	0.5			
Styrene	ug/l	ND	03/17/09	EH	1.0			
1,1,1,2-Tetrachloroethane	ug/l	ND	03/17/09	EH	0.5			

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CHRIS SHORES
 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
 ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: MERIDEN
 Date Received: 3/13/2009

LIMS-BAT #: LIMIT-23950
 Job Number: 60073489

Field Sample #: TB

Sample ID : 09B07771

‡Sampled : 3/13/2009
 Not Specified

Sample Matrix: WATER OTHER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
1,1,2,2-Tetrachloroethane	ug/l	ND	03/17/09	EH	0.5			
Tetrachloroethylene	ug/l	ND	03/17/09	EH	0.5			
Tetrahydrofuran	ug/l	ND	03/17/09	EH	5.0			
Toluene	ug/l	ND	03/17/09	EH	0.5			
1,2,3-Trichlorobenzene	ug/l	ND	03/17/09	EH	5.0			
1,2,4-Trichlorobenzene	ug/l	ND	03/17/09	EH	1.0			
1,3,5-Trichlorobenzene	ug/l	ND	03/17/09	EH	1.0			
1,1,1-Trichloroethane	ug/l	ND	03/17/09	EH	1.0			
1,1,2-Trichloroethane	ug/l	ND	03/17/09	EH	0.5			
Trichloroethylene	ug/l	ND	03/17/09	EH	0.5			
Trichlorofluoromethane	ug/l	ND	03/17/09	EH	0.5			
1,2,3-Trichloropropane	ug/l	ND	03/17/09	EH	0.5			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	ND	03/17/09	EH	0.5			
1,2,4-Trimethylbenzene	ug/l	ND	03/17/09	EH	0.5			
1,3,5-Trimethylbenzene	ug/l	ND	03/17/09	EH	0.5			
Vinyl Chloride	ug/l	ND	03/17/09	EH	0.5			
m + p Xylene	ug/l	ND	03/17/09	EH	1.0			
o-Xylene	ug/l	ND	03/17/09	EH	0.5			

Analytical Method:
 SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

CHRIS SHORES
AECOM - ROCKY HILL, CT
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ROCKY HILL, CT 06067

3/24/2009
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Purchase Order No.:

Project Location: MERIDEN
Date Received: 3/13/2009
Field Sample #: AOC-11 MW-01

LIMS-BAT #: LIMIT-23950
Job Number: 60073489

Sample ID : 09B07763 ‡Sampled : 3/12/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Arsenic	ug/L	ND	03/18/09	KMT	2.00			

Field Sample #: AOC-11 MW-01 DUP

Sample ID : 09B07769 ‡Sampled : 3/12/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Arsenic	ug/L	ND	03/18/09	KMT	2.00			

Analytical Method:

SW846 6020

SAMPLES ARE ANALYZED BY ICP/MS

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CHRIS SHORES
 AECOM - ROCKY HILL, CT
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 ROCKY HILL, CT 06087

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Purchase Order No.:

Project Location: MERIDEN
 Date Received: 3/13/2009
 Field Sample #: ME-MW-02 (INSIDE)

LIMS-BAT #: LIMIT-23950
 Job Number: 60073489

Sample ID : 09B07762 ‡Sampled : 3/13/2009
 Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Cyanide	mg/l	ND	03/18/09	VAK	0.010			

Field Sample #: ME-MW-02-DUP (INSIDE)

Sample ID : 09B07767 ‡Sampled : 3/13/2009
 Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Cyanide	mg/l	ND	03/18/09	VAK	0.010			

Analytical Method:

SW846 9014 / SM 4500 CN E

DISTILLATION FOLLOWED BY REACTION WITH CHLORAMINE-T/PYRIDINE-BARBITURIC ACID AND PHOSPHATE BUFFER.

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CHRIS SHORES
 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
 ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: MERIDEN
 Date Received: 3/13/2009
 Field Sample #: ME-MW-02 (INSIDE)

LIMS-BAT #: LIMIT-23950
 Job Number: 60073489

Sample ID : 09B07762 ‡Sampled : 3/13/2009
 Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Acenaphthene	ug/l	ND	03/18/09	BGL	5.00			
Acenaphthylene	ug/l	ND	03/18/09	BGL	5.00			
Anthracene	ug/l	ND	03/18/09	BGL	6.00			
Benzo(a)anthracene	ug/l	ND	03/18/09	BGL	5.00			
Benzo(a)pyrene	ug/l	ND	03/18/09	BGL	5.00			
Benzo(b)fluoranthene	ug/l	ND	03/18/09	BGL	5.00			
Benzo(g,h,i)perylene	ug/l	ND	03/18/09	BGL	5.00			
Benzo(k)fluoranthene	ug/l	ND	03/18/09	BGL	5.00			
Chrysene	ug/l	ND	03/18/09	BGL	5.00			
Dibenz(a,h)anthracene	ug/l	ND	03/18/09	BGL	5.40			
Fluoranthene	ug/l	ND	03/18/09	BGL	5.00			
Fluorene	ug/l	ND	03/18/09	BGL	5.00			
Indeno(1,2,3-cd)pyrene	ug/l	ND	03/18/09	BGL	5.00			
2-Methylnaphthalene	ug/l	ND	03/18/09	BGL	5.00			
Naphthalene	ug/l	ND	03/18/09	BGL	5.00			
Phenanthrene	ug/l	ND	03/18/09	BGL	5.00			
Pyrene	ug/l	ND	03/18/09	BGL	5.00			
Extraction Date 625/8270		3/16/2009	03/18/09	BGL				

Analytical Method:
 625/8270

SAMPLES ARE EXTRACTED INTO METHYLENE CHLORIDE BY SEPARATORY FUNNEL LIQUID/LIQUID EXTRACTION, FOLLOWED BY KUDERNA-DANISH OR TURBOVAP EVAPORATIVE CONCENTRATION AND QUANTITATED BY GC/MS TARGET COMPOUND ANALYSIS.

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CHRIS SHORES
 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
 ROCKY HILL, CT 06067

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Purchase Order No.:

Project Location: MERIDEN

LIMS-BAT #: LIMIT-23950

Date Received: 3/13/2009

Job Number: 60073489

Field Sample #: ME-MW-02-DUP (INSIDE)

Sample ID: 09B07767

‡Sampled: 3/13/2009
 Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	ug/l	ND	03/18/09	BGL	5.00			
Acenaphthylene	ug/l	ND	03/18/09	BGL	5.00			
Anthracene	ug/l	ND	03/18/09	BGL	6.00			
Benzo(a)anthracene	ug/l	ND	03/18/09	BGL	5.00			
Benzo(a)pyrene	ug/l	ND	03/18/09	BGL	5.00			
Benzo(b)fluoranthene	ug/l	ND	03/18/09	BGL	5.00			
Benzo(g,h,i)perylene	ug/l	ND	03/18/09	BGL	5.00			
Benzo(k)fluoranthene	ug/l	ND	03/18/09	BGL	5.00			
Chrysene	ug/l	ND	03/18/09	BGL	5.00			
Dibenz(a,h)anthracene	ug/l	ND	03/18/09	BGL	5.40			
Fluoranthene	ug/l	ND	03/18/09	BGL	5.00			
Fluorene	ug/l	ND	03/18/09	BGL	5.00			
Indeno(1,2,3-cd)pyrene	ug/l	ND	03/18/09	BGL	5.00			
2-Methylnaphthalene	ug/l	ND	03/18/09	BGL	5.00			
Naphthalene	ug/l	ND	03/18/09	BGL	5.00			
Phenanthrene	ug/l	ND	03/18/09	BGL	5.00			
Pyrene	ug/l	ND	03/18/09	BGL	5.00			
Extraction Date 625/8270		3/16/2009	03/18/09	BGL				

Analytical Method:
 625/8270

SAMPLES ARE EXTRACTED INTO METHYLENE CHLORIDE BY SEPARATORY FUNNEL LIQUID/LIQUID EXTRACTION, FOLLOWED BY KUDERNA-DANISH OR TURBOVAP EVAPORATIVE CONCENTRATION AND QUANTITATED BY GC/MS TARGET COMPOUND ANALYSIS.

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CHRIS SHORES
 AECOM - ROCKY HILL, CT
 500 ENTERPRISE DRIVE, SUITE 1A
 ROCKY HILL, CT 06067

3/24/2009
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Purchase Order No.:

Project Location: MERIDEN
 Date Received: 3/13/2009
 Field Sample #: AOC-17 MW-11 DUP

LIMS-BAT #: LIMIT-23950
 Job Number: 60073489

Sample ID : 09B07770 ‡Sampled : 3/12/2009
 Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Zinc	ug/L	346	03/18/09	KMT	100			

Field Sample #: MW-11

Sample ID : 09B07764 ‡Sampled : 3/12/2009
 Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Zinc	ug/L	360	03/18/09	KMT	100			

Analytical Method:
 SW846 6020

SAMPLES ARE ANALYZED BY ICP/MS

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CHRIS SHORES
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500 ENTERPRISE DRIVE, SUITE 1A
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Purchase Order No.:

Project Location: MERIDEN
Date Received: 3/13/2009

LIMS-BAT #: LIMIT-23950
Job Number: 60073489

** END OF REPORT **

RL = Reporting Limit

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39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates
Method Blanks

Report Date: 3/24/2009

Lims Bat #: LIMIT-23950

Page 1 of 24

QC Batch Number: BATCH-16259

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B07769	Arsenic	Sample Amount	<2.00	ug/L	
		Matrix Spk Amt Added	500.00	ug/L	
		MS Amt Measured	553.50	ug/L	
		Matrix Spike % Rec.	110.70	%	75-125
BLANK-130783	Silver	Blank	<2.50	ug/L	
	Arsenic	Blank	<2.00	ug/L	
	Barium	Blank	<250.	ug/L	
	Beryllium	Blank	<2.00	ug/L	
	Cadmium	Blank	<2.50	ug/L	
	Chromium	Blank	<50.0	ug/L	
	Copper	Blank	<25.0	ug/L	
	Nickel	Blank	<25.0	ug/L	
	Lead	Blank	<5.00	ug/L	
	Antimony	Blank	<5.00	ug/L	
	Selenium	Blank	<25.0	ug/L	
	Thallium	Blank	<1.00	ug/L	
	Vanadium	Blank	<25.0	ug/L	
	Zinc	Blank	<100.	ug/L	
LFBLANK-92984	Silver	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	575.60	ug/L	
		Lab Fort Blk. % Rec.	115.12	%	80-120
	Arsenic	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	558.50	ug/L	
		Lab Fort Blk. % Rec.	111.70	%	80-120
	Barium	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	527.29	ug/L	
		Lab Fort Blk. % Rec.	105.46	%	80-120
	Beryllium	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	520.79	ug/L	
		Lab Fort Blk. % Rec.	104.16	%	80-120
	Cadmium	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	526.10	ug/L	
		Lab Fort Blk. % Rec.	105.22	%	80-120
	Chromium	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	549.60	ug/L	
		Lab Fort Blk. % Rec.	109.92	%	80-120
	Copper	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	546.40	ug/L	
		Lab Fort Blk. % Rec.	109.28	%	80-120
	Nickel	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	542.40	ug/L	



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates
Method Blanks

Report Date: 3/24/2009

Lims Bat # : LIMT-23950

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QC Batch Number: BATCH-16259

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92984	Nickel	Lab Fort Blk. % Rec.	108.48	%	80-120
		Lab Fort Blank Amt.	500.00	ug/L	
	Lead	Lab Fort Blk. Found	562.10	ug/L	
		Lab Fort Blk. % Rec.	112.42	%	80-120
	Antimony	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	535.29	ug/L	
	Selenium	Lab Fort Blk. % Rec.	107.06	%	80-120
		Lab Fort Blank Amt.	500.00	ug/L	
	Thallium	Lab Fort Blk. Found	533.50	ug/L	
		Lab Fort Blk. % Rec.	106.70	%	80-120
	Vanadium	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	530.79	ug/L	
	Zinc	Lab Fort Blk. % Rec.	106.16	%	80-120
		Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	545.60	ug/L	
		Lab Fort Blk. % Rec.	109.12	%	80-120
		Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	565.29	ug/L	
	Lab Fort Blk. % Rec.	113.06	%	80-120	



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 3/24/2009

Lims Bat #: LIMIT-23950

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QC Batch Number: CYANIDE-3244

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B07767	Cyanide	Sample Amount	<0.010	mg/l	
		Matrix Spk Amt Added	0.389	mg/l	
		MS Amt Measured	0.355	mg/l	
		Matrix Spike % Rec.	91.259	%	75-125
		MSD Amount Added	0.389	mg/l	
		MSD Amt Measured	0.382	mg/l	
		MSD % Recovery	98.200	%	
		MSD Range	6.940	units	
		MS Duplicate RPD	7.327	%	20 Max.
BLANK-130788	Cyanide	Blank	<0.010	mg/l	
LFBLANK-92994	Cyanide	Lab Fort Blank Amt.	0.783	mg/l	
		Lab Fort Blk. Found	0.681	mg/l	
		Lab Fort Blk. % Rec.	86.973	%	
STDADD-35387	Cyanide	Standard Measured	0.324	mg/l	
		Standard Amt Added	0.389	mg/l	
		Standard % Recovery	83.290	%	80-120



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QC Batch Number: GC/FID-23289

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B07762	Terphenyl	Surrogate Recovery	82.4	%	50-150
09B07767	Terphenyl	Surrogate Recovery	79.8	%	50-150
BLANK-130733	Extractable TPH (ETPH)	Blank	<0.075	mg/l	
LFBLANK-92932	Extractable TPH (ETPH)	Lab Fort Blank Amt.	1.000	mg/l	
		Lab Fort Blk. Found	0.833	mg/l	
		Lab Fort Blk. % Rec.	83.300	%	60-120
		Dup Lab Fort Bl Amt.	1.000	mg/l	
		Dup Lab Fort Bl. Fnd	0.850	mg/l	
		Dup Lab Fort Bl %Rec	85.000	%	
		Lab Fort Blank Range	1.700	units	
		Lab Fort Bl. Av. Rec	84.150	%	
		LFB Duplicate RPD	2.020	%	

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QC Batch Number: GCMS/SEM-12045

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B07762	Nitrobenzene-d5	Surrogate Recovery	123.5	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	113.8	%	30-130
	Terphenyl-d14	Surrogate Recovery	137.8	%	30-130
09B07767	Nitrobenzene-d5	Surrogate Recovery	96.8	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	88.6	%	30-130
	Terphenyl-d14	Surrogate Recovery	106.2	%	30-130
BLANK-130808	Naphthalene	Blank	<5.00	ug/l	
	Acenaphthene	Blank	<5.00	ug/l	
	Acenaphthylene	Blank	<5.00	ug/l	
	Anthracene	Blank	<6.00	ug/l	
	Benzo(a)anthracene	Blank	<5.00	ug/l	
	Benzo(a)pyrene	Blank	<5.00	ug/l	
	Benzo(b)fluoranthene	Blank	<5.00	ug/l	
	Benzo(g,h,i)perylene	Blank	<5.00	ug/l	
	Chrysene	Blank	<5.00	ug/l	
	Dibenz(a,h)anthracene	Blank	<5.40	ug/l	
	Fluoranthene	Blank	<5.00	ug/l	
	Fluorene	Blank	<5.00	ug/l	
	Indeno(1,2,3-cd)pyrene	Blank	<5.00	ug/l	
	2-Methylnaphthalene	Blank	<5.00	ug/l	
	Phenanthrene	Blank	<5.00	ug/l	
	Pyrene	Blank	<5.00	ug/l	
Benzo(k)fluoranthene	Blank	<5.00	ug/l		
LFBLANK-93012	Naphthalene	Lab Fort Blank Amt.	100.00	ug/l	
		Lab Fort Blk. Found	81.09	ug/l	
		Lab Fort Blk. % Rec.	81.09	%	40-140
	Acenaphthene	Lab Fort Blank Amt.	100.00	ug/l	
		Lab Fort Blk. Found	78.81	ug/l	
		Lab Fort Blk. % Rec.	78.81	%	40-140
	Acenaphthylene	Lab Fort Blank Amt.	100.00	ug/l	
		Lab Fort Blk. Found	75.05	ug/l	
		Lab Fort Blk. % Rec.	75.05	%	40-140
	Anthracene	Lab Fort Blank Amt.	100.00	ug/l	
		Lab Fort Blk. Found	81.45	ug/l	
		Lab Fort Blk. % Rec.	81.45	%	40-140
	Benzo(a)anthracene	Lab Fort Blank Amt.	100.000	ug/l	
		Lab Fort Blk. Found	85.510	ug/l	
		Lab Fort Blk. % Rec.	85.510	%	40-140
	Benzo(a)pyrene	Lab Fort Blank Amt.	100.000	ug/l	
		Lab Fort Blk. Found	91.980	ug/l	



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LFBLANK-93012	Benzo(a)pyrene	Lab Fort Blk. % Rec.	91.980	%	40-140
		Lab Fort Blank Amt.	100.000	ug/l	
		Lab Fort Blk. Found	93.690	ug/l	
	Benzo(b)fluoranthene	Lab Fort Blk. % Rec.	93.690	%	40-140
		Lab Fort Blank Amt.	100.000	ug/l	
		Lab Fort Blk. Found	82.210	ug/l	
	Benzo(g,h,i)perylene	Lab Fort Blk. % Rec.	82.210	%	40-140
		Lab Fort Blank Amt.	100.000	ug/l	
		Lab Fort Blk. Found	90.06	ug/l	
	Chrysene	Lab Fort Blk. % Rec.	90.06	%	40-140
		Lab Fort Blank Amt.	100.000	ug/l	
		Lab Fort Blk. Found	94.360	ug/l	
	Dibenz(a,h)anthracene	Lab Fort Blk. % Rec.	94.360	%	40-140
		Lab Fort Blank Amt.	100.000	ug/l	
		Lab Fort Blk. Found	87.69	ug/l	
	Fluoranthene	Lab Fort Blk. % Rec.	87.69	%	40-140
		Lab Fort Blank Amt.	100.000	ug/l	
		Lab Fort Blk. Found	86.76	ug/l	
	Fluorene	Lab Fort Blk. % Rec.	86.76	%	40-140
		Lab Fort Blank Amt.	100.000	ug/l	
		Lab Fort Blk. Found	100.380	ug/l	
	Indeno(1,2,3-cd)pyrene	Lab Fort Blk. % Rec.	100.380	%	40-140
		Lab Fort Blank Amt.	100.000	ug/l	
		Lab Fort Blk. Found	80.06	ug/l	
	2-Methylnaphthalene	Lab Fort Blk. % Rec.	80.06	%	40-140
		Lab Fort Blank Amt.	100.000	ug/l	
		Lab Fort Blk. Found	85.53	ug/l	
	Phenanthrene	Lab Fort Blk. % Rec.	85.53	%	40-140
		Lab Fort Blank Amt.	100.000	ug/l	
		Lab Fort Blk. Found	85.44	ug/l	
	Pyrene	Lab Fort Blk. % Rec.	85.44	%	40-140
		Lab Fort Blank Amt.	100.000	ug/l	
		Lab Fort Blk. Found	91.780	ug/l	
	Benzo(k)fluoranthene	Lab Fort Blk. % Rec.	91.780	%	40-140
		Lab Fort Blank Amt.	100.000	ug/l	
		Lab Fort Blk. Found	91.780	ug/l	



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Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B07758	1,2-Dichloroethane-d4	Surrogate Recovery	74.1	%	70-130
	Toluene-d8	Surrogate Recovery	95.3	%	70-130
	Bromofluorobenzene	Surrogate Recovery	103.5	%	70-130
09B07760	1,2-Dichloroethane-d4	Surrogate Recovery	76.2	%	70-130
	Toluene-d8	Surrogate Recovery	94.8	%	70-130
	Bromofluorobenzene	Surrogate Recovery	99.2	%	70-130
09B07763	1,2-Dichloroethane-d4	Surrogate Recovery	75.1	%	70-130
	Toluene-d8	Surrogate Recovery	93.0	%	70-130
	Bromofluorobenzene	Surrogate Recovery	100.9	%	70-130
09B07764	1,2-Dichloroethane-d4	Surrogate Recovery	74.4	%	70-130
	Toluene-d8	Surrogate Recovery	93.7	%	70-130
	Bromofluorobenzene	Surrogate Recovery	99.2	%	70-130
09B07765	1,2-Dichloroethane-d4	Surrogate Recovery	75.0	%	70-130
	Toluene-d8	Surrogate Recovery	93.2	%	70-130
	Bromofluorobenzene	Surrogate Recovery	102.3	%	70-130
09B07766	1,2-Dichloroethane-d4	Surrogate Recovery	75.7	%	70-130
	Toluene-d8	Surrogate Recovery	94.2	%	70-130
	Bromofluorobenzene	Surrogate Recovery	100.7	%	70-130
09B07768	1,2-Dichloroethane-d4	Surrogate Recovery	75.1	%	70-130
	Toluene-d8	Surrogate Recovery	92.9	%	70-130
	Bromofluorobenzene	Surrogate Recovery	98.7	%	70-130
09B07771	1,2-Dichloroethane-d4	Surrogate Recovery	73.7	%	70-130
	Toluene-d8	Surrogate Recovery	93.8	%	70-130
	Bromofluorobenzene	Surrogate Recovery	100.4	%	70-130
BLANK-130825	Acetone	Blank	<50.0	ug/l	
	Benzene	Blank	<0.5	ug/l	
	Carbon Tetrachloride	Blank	<0.5	ug/l	
	Chloroform	Blank	<0.5	ug/l	
	1,2-Dichloroethane	Blank	<0.5	ug/l	
	1,4-Dichlorobenzene	Blank	<0.5	ug/l	
	Ethyl Benzene	Blank	<0.5	ug/l	
	2-Butanone (MEK)	Blank	<2.0	ug/l	
	MIBK	Blank	<2.0	ug/l	
	Naphthalene	Blank	<5.0	ug/l	
	Styrene	Blank	<1.0	ug/l	



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Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-130825					
	Tetrachloroethylene	Blank	<0.5	ug/l	
	Toluene	Blank	<0.5	ug/l	
	1,1,1-Trichloroethane	Blank	<1.0	ug/l	
	Trichloroethylene	Blank	<0.5	ug/l	
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Blank	<0.5	ug/l	
	Trichlorofluoromethane	Blank	<0.5	ug/l	
	o-Xylene	Blank	<0.5	ug/l	
	m + p Xylene	Blank	<1.0	ug/l	
	1,2-Dichlorobenzene	Blank	<0.5	ug/l	
	1,3-Dichlorobenzene	Blank	<0.5	ug/l	
	1,1-Dichloroethane	Blank	<0.5	ug/l	
	1,1-Dichloroethylene	Blank	<0.5	ug/l	
	1,4-Dioxane	Blank	<10.0	ug/l	
	MTBE	Blank	<0.5	ug/l	
	trans-1,2-Dichloroethylene	Blank	<0.5	ug/l	
	Vinyl Chloride	Blank	<0.5	ug/l	
	Methylene Chloride	Blank	<1.0	ug/l	
	Chlorobenzene	Blank	<0.5	ug/l	
	Chloromethane	Blank	<0.5	ug/l	
	Bromomethane	Blank	<1.0	ug/l	
	Chloroethane	Blank	<1.0	ug/l	
	cis-1,3-Dichloropropene	Blank	<0.5	ug/l	
	trans-1,3-Dichloropropene	Blank	<0.5	ug/l	
	Chlorodibromomethane	Blank	<0.5	ug/l	
	1,1,2-Trichloroethane	Blank	<0.5	ug/l	
	Bromoform	Blank	<0.5	ug/l	
	1,1,2,2-Tetrachloroethane	Blank	<0.5	ug/l	
	2-Chlorotoluene	Blank	<0.5	ug/l	
	Hexachlorobutadiene	Blank	<0.4	ug/l	
	Isopropylbenzene	Blank	<1.0	ug/l	
	p-Isopropyltoluene	Blank	<0.5	ug/l	
	n-Propylbenzene	Blank	<0.5	ug/l	
	sec-Butylbenzene	Blank	<0.5	ug/l	
	tert-Butylbenzene	Blank	<0.5	ug/l	
	1,2,3-Trichlorobenzene	Blank	<5.0	ug/l	
	1,2,4-Trichlorobenzene	Blank	<1.0	ug/l	
	1,2,4-Trimethylbenzene	Blank	<0.5	ug/l	
	1,3,5-Trimethylbenzene	Blank	<0.5	ug/l	
	Dibromomethane	Blank	<0.5	ug/l	
	cis-1,2-Dichloroethylene	Blank	<0.5	ug/l	
	4-Chlorotoluene	Blank	<1.0	ug/l	
	1,1-Dichloropropene	Blank	<0.5	ug/l	
	1,2-Dichloropropane	Blank	<0.5	ug/l	



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Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-130825	1,3-Dichloropropane	Blank	<1.0	ug/l	
	2,2-Dichloropropane	Blank	<0.5	ug/l	
	1,1,1,2-Tetrachloroethane	Blank	<0.5	ug/l	
	1,2,3-Trichloropropane	Blank	<0.5	ug/l	
	n-Butylbenzene	Blank	<1.0	ug/l	
	Dichlorodifluoromethane	Blank	<0.5	ug/l	
	Bromochloromethane	Blank	<0.5	ug/l	
	Bromobenzene	Blank	<0.5	ug/l	
	Acrylonitrile	Blank	<2.0	ug/l	
	Carbon Disulfide	Blank	<0.5	ug/l	
	2-Hexanone	Blank	<50.0	ug/l	
	trans-1,4-Dichloro-2-Butene	Blank	<5.0	ug/l	
	Diethyl Ether	Blank	<0.5	ug/l	
	Bromodichloromethane	Blank	<0.5	ug/l	
	1,2-Dibromo-3-Chloropropane	Blank	<1.0	ug/l	
	1,2-Dibromoethane	Blank	<0.50	ug/l	
	Tetrahydrofuran	Blank	<5.0	ug/l	
	tert-Butyl Alcohol	Blank	<10.0	ug/l	
	Diisopropyl Ether	Blank	<0.5	ug/l	
	tert-Butylethyl Ether	Blank	<0.5	ug/l	
	tert-Amylmethyl Ether	Blank	<0.5	ug/l	
	1,3,5-Trichlorobenzene	Blank	<1.0	ug/l	
LFBLANK-93031	Acetone	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	87.2	ug/l	
		Lab Fort Blk. % Rec.	87.2	%	70-160
	Benzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.1	ug/l	
		Lab Fort Blk. % Rec.	101.4	%	70-130
	Carbon Tetrachloride	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.0	ug/l	
		Lab Fort Blk. % Rec.	90.4	%	70-130
	Chloroform	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.7	ug/l	
		Lab Fort Blk. % Rec.	87.9	%	70-130
	1,2-Dichloroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	7.8	ug/l	
		Lab Fort Blk. % Rec.	78.1	%	70-130
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.0	ug/l	
		Lab Fort Blk. % Rec.	100.8	%	70-130
	Ethyl Benzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.2	ug/l	



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LFBLANK-93031	Ethyl Benzene	Lab Fort Blk. % Rec.	112.6	%	70-130
		Lab Fort Blank Amt.	100.0	ug/l	
	2-Butanone (MEK)	Lab Fort Blk. Found	87.2	ug/l	
		Lab Fort Blk. % Rec.	87.2	%	40-160
	MIBK	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	81.7	ug/l	
		Lab Fort Blk. % Rec.	81.7	%	70-160
		Naphthalene	Lab Fort Blank Amt.	10.0	ug/l
	Lab Fort Blk. Found		6.8	ug/l	
		Lab Fort Blk. % Rec.	68.4	%	40-130
		Styrene	Lab Fort Blank Amt.	10.0	ug/l
	Lab Fort Blk. Found		11.4	ug/l	
		Lab Fort Blk. % Rec.	114.6	%	70-130
		Tetrachloroethylene	Lab Fort Blank Amt.	10.0	ug/l
	Lab Fort Blk. Found		10.6	ug/l	
		Lab Fort Blk. % Rec.	106.5	%	70-160
		Toluene	Lab Fort Blank Amt.	10.0	ug/l
	Lab Fort Blk. Found		9.4	ug/l	
		Lab Fort Blk. % Rec.	94.6	%	70-130
		1,1,1-Trichloroethane	Lab Fort Blank Amt.	10.0	ug/l
Lab Fort Blk. Found	8.7		ug/l		
	Lab Fort Blk. % Rec.	87.5	%	70-130	
	Trichloroethylene	Lab Fort Blank Amt.	10.0	ug/l	
Lab Fort Blk. Found		9.4	ug/l		
	Lab Fort Blk. % Rec.	94.8	%	70-130	
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Lab Fort Blank Amt.	10.0	ug/l	
Lab Fort Blk. Found		10.7	ug/l		
	Lab Fort Blk. % Rec.	107.3	%	70-130	
	Trichlorofluoromethane	Lab Fort Blank Amt.	10.0	ug/l	
Lab Fort Blk. Found		8.5	ug/l		
	Lab Fort Blk. % Rec.	85.1	%	70-130	
	o-Xylene	Lab Fort Blank Amt.	10.0	ug/l	
Lab Fort Blk. Found		11.1	ug/l		
	Lab Fort Blk. % Rec.	111.0	%	70-130	
	m + p Xylene	Lab Fort Blank Amt.	20.0	ug/l	
Lab Fort Blk. Found		21.7	ug/l		
	Lab Fort Blk. % Rec.	108.5	%	70-130	
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	10.0	ug/l	
Lab Fort Blk. Found		10.4	ug/l		
	Lab Fort Blk. % Rec.	104.7	%	70-130	
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	10.0	ug/l	
Lab Fort Blk. Found		10.8	ug/l		
	Lab Fort Blk. % Rec.	108.4	%	70-130	



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LFBLANK-93031	1,1-Dichloroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.9	ug/l	
		Lab Fort Blk. % Rec.	89.7	%	70-130
	1,1-Dichloroethylene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.4	ug/l	
		Lab Fort Blk. % Rec.	84.5	%	70-130
	1,4-Dioxane	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	89.6	ug/l	
		Lab Fort Blk. % Rec.	89.6	%	40-130
MTBE		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.2	ug/l	
		Lab Fort Blk. % Rec.	92.6	%	70-130
trans-1,2-Dichloroethylene		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.5	ug/l	
		Lab Fort Blk. % Rec.	85.2	%	70-130
Vinyl Chloride		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.0	ug/l	
		Lab Fort Blk. % Rec.	90.7	%	40-160
Methylene Chloride		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	7.5	ug/l	
		Lab Fort Blk. % Rec.	75.2	%	70-130
Chlorobenzene		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	12.4	ug/l	
		Lab Fort Blk. % Rec.	124.8	%	70-130
Chloromethane		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.4	ug/l	
		Lab Fort Blk. % Rec.	84.9	%	40-160
Bromomethane		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	5.4	ug/l	
		Lab Fort Blk. % Rec.	54.9	%	40-160
Chloroethane		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.4	ug/l	
		Lab Fort Blk. % Rec.	94.5	%	70-130
cis-1,3-Dichloropropene		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.8	ug/l	
		Lab Fort Blk. % Rec.	88.7	%	70-130
trans-1,3-Dichloropropene		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.0	ug/l	
		Lab Fort Blk. % Rec.	90.4	%	70-130
Chlorodibromomethane		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.7	ug/l	
		Lab Fort Blk. % Rec.	87.5	%	70-130
1,1,2-Trichloroethane		Lab Fort Blank Amt.	10.0	ug/l	



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Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-93031	1,1,2-Trichloroethane	Lab Fort Blk. Found	9.9	ug/l	
		Lab Fort Blk. % Rec.	99.8	%	70-130
	Bromoform	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.1	ug/l	
		Lab Fort Blk. % Rec.	101.6	%	70-130
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.3	ug/l	
		Lab Fort Blk. % Rec.	113.5	%	70-130
	2-Chlorotoluene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.7	ug/l	
		Lab Fort Blk. % Rec.	107.6	%	70-130
	Hexachlorobutadiene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.5	ug/l	
		Lab Fort Blk. % Rec.	85.6	%	70-130
	Isopropylbenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.9	ug/l	
		Lab Fort Blk. % Rec.	119.5	%	70-130
	p-Isopropyltoluene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.6	ug/l	
		Lab Fort Blk. % Rec.	96.8	%	70-130
	n-Propylbenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.4	ug/l	
		Lab Fort Blk. % Rec.	94.7	%	70-130
	sec-Butylbenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.0	ug/l	
		Lab Fort Blk. % Rec.	90.8	%	70-130
	tert-Butylbenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.4	ug/l	
		Lab Fort Blk. % Rec.	94.5	%	70-130
	1,2,3-Trichlorobenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	6.6	ug/l	
		Lab Fort Blk. % Rec.	66.1	%	70-130
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	7.4	ug/l	
		Lab Fort Blk. % Rec.	74.2	%	70-130
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.4	ug/l	
		Lab Fort Blk. % Rec.	94.2	%	70-130
	1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.7	ug/l	
		Lab Fort Blk. % Rec.	107.1	%	70-130
	Dibromomethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.8	ug/l	



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Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-93031	Dibromomethane	Lab Fort Blk. % Rec.	88.2	%	70-130
	cis-1,2-Dichloroethylene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.6	ug/l	
		Lab Fort Blk. % Rec.	86.0	%	70-130
4-Chlorotoluene		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.9	ug/l	
		Lab Fort Blk. % Rec.	99.8	%	70-130
1,1-Dichloropropene		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.2	ug/l	
		Lab Fort Blk. % Rec.	92.9	%	70-130
1,2-Dichloropropane		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.5	ug/l	
		Lab Fort Blk. % Rec.	95.5	%	70-130
1,3-Dichloropropane		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.7	ug/l	
		Lab Fort Blk. % Rec.	87.9	%	70-130
2,2-Dichloropropane		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.9	ug/l	
		Lab Fort Blk. % Rec.	99.6	%	40-130
1,1,1,2-Tetrachloroethane		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	13.1	ug/l	
		Lab Fort Blk. % Rec.	131.7	%	70-130
1,2,3-Trichloropropane		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.0	ug/l	
		Lab Fort Blk. % Rec.	90.5	%	70-130
n-Butylbenzene		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.7	ug/l	
		Lab Fort Blk. % Rec.	87.3	%	70-130
Dichlorodifluoromethane		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	6.8	ug/l	
		Lab Fort Blk. % Rec.	68.2	%	40-160
Bromochloromethane		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.7	ug/l	
		Lab Fort Blk. % Rec.	87.8	%	70-130
Bromobenzene		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.2	ug/l	
		Lab Fort Blk. % Rec.	102.8	%	70-130
Acrylonitrile		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.0	ug/l	
		Lab Fort Blk. % Rec.	90.2	%	70-130
Carbon Disulfide		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.4	ug/l	
		Lab Fort Blk. % Rec.	94.9	%	70-130



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Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-93031	2-Hexanone	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	80.7	ug/l	
		Lab Fort Blk. % Rec.	80.7	%	70-160
	trans-1,4-Dichloro-2-Butene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	7.5	ug/l	
		Lab Fort Blk. % Rec.	75.4	%	70-130
	Diethyl Ether	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.4	ug/l	
		Lab Fort Blk. % Rec.	94.4	%	70-130
	Bromodichloromethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.1	ug/l	
		Lab Fort Blk. % Rec.	81.8	%	70-130
	1,2-Dibromo-3-Chloropropane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	7.7	ug/l	
		Lab Fort Blk. % Rec.	77.5	%	70-130
	1,2-Dibromoethane	Lab Fort Blank Amt.	10.00	ug/l	
		Lab Fort Blk. Found	9.88	ug/l	
		Lab Fort Blk. % Rec.	98.80	%	70-130
	Tetrahydrofuran	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.1	ug/l	
		Lab Fort Blk. % Rec.	81.8	%	70-130
	tert-Butyl Alcohol	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	92.6	ug/l	
		Lab Fort Blk. % Rec.	92.6	%	40-160
	Diisopropyl Ether	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.4	ug/l	
		Lab Fort Blk. % Rec.	94.8	%	70-130
	tert-Butylethyl Ether	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.0	ug/l	
		Lab Fort Blk. % Rec.	100.7	%	70-130
	tert-Amylmethyl Ether	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.5	ug/l	
		Lab Fort Blk. % Rec.	105.5	%	70-130
	1,3,5-Trichlorobenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.6	ug/l	
		Lab Fort Blk. % Rec.	96.3	%	70-130

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Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B07759	1,2-Dichloroethane-d4	Surrogate Recovery	76.2	%	70-130
	Toluene-d8	Surrogate Recovery	93.6	%	70-130
	Bromofluorobenzene	Surrogate Recovery	100.0	%	70-130
09B07761	1,2-Dichloroethane-d4	Surrogate Recovery	75.6	%	70-130
	Toluene-d8	Surrogate Recovery	94.7	%	70-130
	Bromofluorobenzene	Surrogate Recovery	100.2	%	70-130
09B07762	1,2-Dichloroethane-d4	Surrogate Recovery	75.8	%	70-130
	Toluene-d8	Surrogate Recovery	94.3	%	70-130
	Bromofluorobenzene	Surrogate Recovery	98.3	%	70-130
BLANK-130826	Acetone	Blank	<50.0	ug/l	
	Benzene	Blank	<0.5	ug/l	
	Carbon Tetrachloride	Blank	<0.5	ug/l	
	Chloroform	Blank	<0.5	ug/l	
	1,2-Dichloroethane	Blank	<0.5	ug/l	
	1,4-Dichlorobenzene	Blank	<0.5	ug/l	
	Ethyl Benzene	Blank	<0.5	ug/l	
	2-Butanone (MEK)	Blank	<2.0	ug/l	
	MIBK	Blank	<2.0	ug/l	
	Naphthalene	Blank	<5.0	ug/l	
	Styrene	Blank	<1.0	ug/l	
	Tetrachloroethylene	Blank	<0.5	ug/l	
	Toluene	Blank	<0.5	ug/l	
	1,1,1-Trichloroethane	Blank	<1.0	ug/l	
	Trichloroethylene	Blank	<0.5	ug/l	
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Blank	<0.5	ug/l	
	Trichlorofluoromethane	Blank	<0.5	ug/l	
	o-Xylene	Blank	<0.5	ug/l	
	m + p Xylene	Blank	<1.0	ug/l	
	1,2-Dichlorobenzene	Blank	<0.5	ug/l	
	1,3-Dichlorobenzene	Blank	<0.5	ug/l	
	1,1-Dichloroethane	Blank	<0.5	ug/l	
	1,1-Dichloroethylene	Blank	<0.5	ug/l	
1,4-Dioxane	Blank	<10.0	ug/l		
MTBE	Blank	<0.5	ug/l		
trans-1,2-Dichloroethylene	Blank	<0.5	ug/l		
Vinyl Chloride	Blank	<0.5	ug/l		
Methylene Chloride	Blank	<1.0	ug/l		
Chlorobenzene	Blank	<0.5	ug/l		
Chloromethane	Blank	<0.5	ug/l		
Bromomethane	Blank	<1.0	ug/l		



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Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-130826					
	Chloroethane	Blank	<1.0	ug/l	
	cis-1,3-Dichloropropene	Blank	<0.5	ug/l	
	trans-1,3-Dichloropropene	Blank	<0.5	ug/l	
	Chlorodibromomethane	Blank	<0.5	ug/l	
	1,1,2-Trichloroethane	Blank	<0.5	ug/l	
	Bromoform	Blank	<0.5	ug/l	
	1,1,2,2-Tetrachloroethane	Blank	<0.5	ug/l	
	2-Chlorotoluene	Blank	<0.5	ug/l	
	Hexachlorobutadiene	Blank	<0.4	ug/l	
	Isopropylbenzene	Blank	<1.0	ug/l	
	p-Isopropyltoluene	Blank	<0.5	ug/l	
	n-Propylbenzene	Blank	<0.5	ug/l	
	sec-Butylbenzene	Blank	<0.5	ug/l	
	tert-Butylbenzene	Blank	<0.5	ug/l	
	1,2,3-Trichlorobenzene	Blank	<5.0	ug/l	
	1,2,4-Trichlorobenzene	Blank	<1.0	ug/l	
	1,2,4-Trimethylbenzene	Blank	<0.5	ug/l	
	1,3,5-Trimethylbenzene	Blank	<0.5	ug/l	
	Dibromomethane	Blank	<0.5	ug/l	
	cis-1,2-Dichloroethylene	Blank	<0.5	ug/l	
	4-Chlorotoluene	Blank	<1.0	ug/l	
	1,1-Dichloropropene	Blank	<0.5	ug/l	
	1,2-Dichloropropane	Blank	<0.5	ug/l	
	1,3-Dichloropropane	Blank	<1.0	ug/l	
	2,2-Dichloropropane	Blank	<0.5	ug/l	
	1,1,1,2-Tetrachloroethane	Blank	<0.5	ug/l	
	1,2,3-Trichloropropane	Blank	<0.5	ug/l	
	n-Butylbenzene	Blank	<1.0	ug/l	
	Dichlorodifluoromethane	Blank	<0.5	ug/l	
	Bromochloromethane	Blank	<0.5	ug/l	
	Bromobenzene	Blank	<0.5	ug/l	
	Acrylonitrile	Blank	<2.0	ug/l	
	Carbon Disulfide	Blank	<0.5	ug/l	
	2-Hexanone	Blank	<50.0	ug/l	
	trans-1,4-Dichloro-2-Butene	Blank	<5.0	ug/l	
	Diethyl Ether	Blank	<0.5	ug/l	
	Bromodichloromethane	Blank	<0.5	ug/l	
	1,2-Dibromo-3-Chloropropane	Blank	<1.0	ug/l	
	1,2-Dibromoethane	Blank	<0.50	ug/l	
	Tetrahydrofuran	Blank	<5.0	ug/l	
	tert-Butyl Alcohol	Blank	<10.0	ug/l	
	Diisopropyl Ether	Blank	<0.5	ug/l	
	tert-Butylethyl Ether	Blank	<0.5	ug/l	



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Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-130826	tert-Amylmethyl Ether	Blank	<0.5	ug/l	
	1,3,5-Trichlorobenzene	Blank	<1.0	ug/l	
LFBLANK-93032	Acetone	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	77.1	ug/l	
		Lab Fort Blk. % Rec.	77.1	%	70-160
	Benzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.6	ug/l	
		Lab Fort Blk. % Rec.	96.6	%	70-130
	Carbon Tetrachloride	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.6	ug/l	
		Lab Fort Blk. % Rec.	86.5	%	70-130
	Chloroform	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.2	ug/l	
		Lab Fort Blk. % Rec.	82.2	%	70-130
	1,2-Dichloroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	7.3	ug/l	
		Lab Fort Blk. % Rec.	73.0	%	70-130
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.8	ug/l	
		Lab Fort Blk. % Rec.	98.4	%	70-130
	Ethyl Benzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.6	ug/l	
		Lab Fort Blk. % Rec.	106.1	%	70-130
	2-Butanone (MEK)	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	80.9	ug/l	
		Lab Fort Blk. % Rec.	80.9	%	40-160
	MIBK	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	70.7	ug/l	
		Lab Fort Blk. % Rec.	70.7	%	70-160
	Naphthalene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	5.3	ug/l	
		Lab Fort Blk. % Rec.	53.1	%	40-130
	Styrene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.7	ug/l	
		Lab Fort Blk. % Rec.	107.6	%	70-130
	Tetrachloroethylene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.9	ug/l	
		Lab Fort Blk. % Rec.	99.6	%	70-160
	Toluene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.5	ug/l	
		Lab Fort Blk. % Rec.	85.7	%	70-130
	1,1,1-Trichloroethane	Lab Fort Blank Amt.	10.0	ug/l	



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LFBLANK-93032	1,1,1-Trichloroethane	Lab Fort Blk. Found	8.1	ug/l	
		Lab Fort Blk. % Rec.	81.6	%	70-130
	Trichloroethylene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.8	ug/l	
		Lab Fort Blk. % Rec.	88.7	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.1	ug/l	
		Lab Fort Blk. % Rec.	101.5	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
	Trichlorofluoromethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.3	ug/l	
		Lab Fort Blk. % Rec.	83.7	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
	o-Xylene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.0	ug/l	
		Lab Fort Blk. % Rec.	100.9	%	70-130
		Lab Fort Blank Amt.	20.0	ug/l	
	m + p Xylene	Lab Fort Blank Amt.	20.0	ug/l	
		Lab Fort Blk. Found	20.2	ug/l	
		Lab Fort Blk. % Rec.	101.0	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.8	ug/l	
		Lab Fort Blk. % Rec.	98.1	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.2	ug/l	
		Lab Fort Blk. % Rec.	102.6	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
	1,1-Dichloroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.6	ug/l	
		Lab Fort Blk. % Rec.	86.5	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
	1,1-Dichloroethylene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	7.8	ug/l	
		Lab Fort Blk. % Rec.	78.2	%	70-130
		Lab Fort Blank Amt.	100.0	ug/l	
	1,4-Dioxane	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	79.0	ug/l	
		Lab Fort Blk. % Rec.	79.0	%	40-130
		Lab Fort Blank Amt.	10.0	ug/l	
	MTBE	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.4	ug/l	
		Lab Fort Blk. % Rec.	84.4	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
	trans-1,2-Dichloroethylene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.4	ug/l	
		Lab Fort Blk. % Rec.	84.2	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
	Vinyl Chloride	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.5	ug/l	
		Lab Fort Blk. % Rec.	85.1	%	40-160
		Lab Fort Blank Amt.	10.0	ug/l	
	Methylene Chloride	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	7.2	ug/l	



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Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-93032	Methylene Chloride	Lab Fort Blk. % Rec.	72.1	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.4	ug/l	
	Chlorobenzene	Lab Fort Blk. % Rec.	114.9	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.4	ug/l	
	Chloromethane	Lab Fort Blk. % Rec.	84.5	%	40-160
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	5.2	ug/l	
	Bromomethane	Lab Fort Blk. % Rec.	52.6	%	40-160
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.0	ug/l	
	Chloroethane	Lab Fort Blk. % Rec.	90.1	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	7.9	ug/l	
	cis-1,3-Dichloropropene	Lab Fort Blk. % Rec.	79.4	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.3	ug/l	
	trans-1,3-Dichloropropene	Lab Fort Blk. % Rec.	83.7	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.1	ug/l	
	Chlorodibromomethane	Lab Fort Blk. % Rec.	81.0	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.5	ug/l	
	1,1,2-Trichloroethane	Lab Fort Blk. % Rec.	95.0	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.1	ug/l	
	Bromoform	Lab Fort Blk. % Rec.	91.0	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.6	ug/l	
	1,1,2,2-Tetrachloroethane	Lab Fort Blk. % Rec.	106.6	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.5	ug/l	
	2-Chlorotoluene	Lab Fort Blk. % Rec.	95.6	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.0	ug/l	
	Hexachlorobutadiene	Lab Fort Blk. % Rec.	80.7	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.9	ug/l	
	Isopropylbenzene	Lab Fort Blk. % Rec.	109.3	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.2	ug/l	
	p-Isopropyltoluene	Lab Fort Blk. % Rec.	92.7	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.2	ug/l	



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Method Blanks

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QC Batch Number: GCMS/VOL-21766

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-93032	n-Propylbenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.5	ug/l	
		Lab Fort Blk. % Rec.	85.4	%	70-130
	sec-Butylbenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.5	ug/l	
		Lab Fort Blk. % Rec.	85.6	%	70-130
	tert-Butylbenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.9	ug/l	
		Lab Fort Blk. % Rec.	89.2	%	70-130
	1,2,3-Trichlorobenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	5.3	ug/l	
		Lab Fort Blk. % Rec.	53.5	%	70-130
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	6.2	ug/l	
		Lab Fort Blk. % Rec.	62.8	%	70-130
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.8	ug/l	
		Lab Fort Blk. % Rec.	88.6	%	70-130
	1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.6	ug/l	
		Lab Fort Blk. % Rec.	96.4	%	70-130
	Dibromomethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.4	ug/l	
		Lab Fort Blk. % Rec.	84.9	%	70-130
	cis-1,2-Dichloroethylene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.1	ug/l	
		Lab Fort Blk. % Rec.	81.9	%	70-130
	4-Chlorotoluene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.2	ug/l	
		Lab Fort Blk. % Rec.	92.4	%	70-130
	1,1-Dichloropropene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.6	ug/l	
		Lab Fort Blk. % Rec.	86.5	%	70-130
	1,2-Dichloropropane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.7	ug/l	
		Lab Fort Blk. % Rec.	87.2	%	70-130
	1,3-Dichloropropane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.0	ug/l	
		Lab Fort Blk. % Rec.	80.4	%	70-130
	2,2-Dichloropropane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.8	ug/l	
		Lab Fort Blk. % Rec.	88.2	%	40-130
	1,1,1,2-Tetrachloroethane	Lab Fort Blank Amt.	10.0	ug/l	



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QC Batch Number: GCMS/VOL-21756

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-93032	1,1,1,2-Tetrachloroethane	Lab Fort Blk. Found	12.0	ug/l	
		Lab Fort Blk. % Rec.	120.0	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
	1,2,3-Trichloropropane	Lab Fort Blk. Found	8.0	ug/l	
		Lab Fort Blk. % Rec.	80.9	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
	n-Butylbenzene	Lab Fort Blk. Found	8.3	ug/l	
		Lab Fort Blk. % Rec.	83.2	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
	Dichlorodifluoromethane	Lab Fort Blk. Found	6.1	ug/l	
		Lab Fort Blk. % Rec.	61.5	%	40-160
		Lab Fort Blank Amt.	10.0	ug/l	
	Bromochloromethane	Lab Fort Blk. Found	8.9	ug/l	
		Lab Fort Blk. % Rec.	89.6	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
	Bromobenzene	Lab Fort Blk. Found	9.5	ug/l	
		Lab Fort Blk. % Rec.	95.6	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
	Acrylonitrile	Lab Fort Blk. Found	8.8	ug/l	
		Lab Fort Blk. % Rec.	88.9	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
	Carbon Disulfide	Lab Fort Blk. Found	8.9	ug/l	
		Lab Fort Blk. % Rec.	89.6	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
	2-Hexanone	Lab Fort Blk. Found	68.0	ug/l	
		Lab Fort Blk. % Rec.	68.0	%	70-160
		Lab Fort Blank Amt.	10.0	ug/l	
	trans-1,4-Dichloro-2-Butene	Lab Fort Blk. Found	7.5	ug/l	
		Lab Fort Blk. % Rec.	75.2	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
	Diethyl Ether	Lab Fort Blk. Found	8.6	ug/l	
		Lab Fort Blk. % Rec.	86.7	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
	Bromodichloromethane	Lab Fort Blk. Found	7.5	ug/l	
		Lab Fort Blk. % Rec.	75.3	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
	1,2-Dibromo-3-Chloropropane	Lab Fort Blk. Found	6.5	ug/l	
		Lab Fort Blk. % Rec.	65.0	%	70-130
		Lab Fort Blank Amt.	10.00	ug/l	
	1,2-Dibromoethane	Lab Fort Blk. Found	9.27	ug/l	
		Lab Fort Blk. % Rec.	92.70	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
	Tetrahydrofuran	Lab Fort Blk. Found	7.5	ug/l	



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QC Batch Number: GCMS/VOL-21756

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-93032	Tetrahydrofuran	Lab Fort Blk. % Rec.	75.8	%	70-130
		Lab Fort Blank Amt.	100.0	ug/l	
	tert-Butyl Alcohol	Lab Fort Blk. Found	82.6	ug/l	
		Lab Fort Blk. % Rec.	82.6	%	40-160
	Diisopropyl Ether	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.9	ug/l	
	tert-Butylethyl Ether	Lab Fort Blk. % Rec.	89.9	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
	tert-Amylmethyl Ether	Lab Fort Blk. Found	9.5	ug/l	
		Lab Fort Blk. % Rec.	95.5	%	70-130
	1,3,5-Trichlorobenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.7	ug/l	
	Lab Fort Blk. % Rec.	97.3	%	70-130	
	Lab Fort Blank Amt.	10.0	ug/l		
	Lab Fort Blk. Found	8.8	ug/l		
	Lab Fort Blk. % Rec.	88.4	%	70-130	



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QC Batch Number: HG-9945

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-130838	Mercury	Blank	<0.00010	mg/l	
LFBLANK-93043	Mercury	Lab Fort Blank Amt.	0.00200	mg/l	
		Lab Fort Blk. Found	0.00208	mg/l	
		Lab Fort Blk. % Rec.	104.40000	%	85-115



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QC SUMMARY REPORT

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QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.

LIMITS Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.

Sample Amount Amount of analyte found in a sample.

Blank Method Blank that has been taken though all the steps of the analysis.

LFBLANK Laboratory Fortified Blank (a control sample)

STDADD Standard Added (a laboratory control sample)

Matrix Spk Amt Added Amount of analyte spiked into a sample
MS Amt Measured Amount of analyte found including amount that was spiked
Matrix Spike % Rec. % Recovery of spiked amount in sample.

Duplicate Value The result from the Duplicate analysis of the sample.
Duplicate RPD The Relative Percent Difference between two Duplicate Analyses.

Surrogate Recovery The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.

Sur. Recovery (ELCD) Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID) Surrogate Recovery on the Photoionization Detector.

Standard Measured Amount measured for a laboratory control sample
Standard Amt Added Known value for a laboratory control sample
Standard % Recovery % recovered for a laboratory control sample with a known value.

Lab Fort Blank Amt Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).

Lab Fort Bl. Av. Rec. Laboratory Fortified Blank Average Recovery

Duplicate Sample Amt Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured Matrix Spike Duplicate Amount Measured
MSD % Recovery Matrix Spike Duplicate % Recovery
MSD Range Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries



REASONABLE CONFIDENCE PROTOCOL

LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: AECOM

Project Location: MERIDEN

Project Number: LWT-23950

Laboratory Sample ID(s): 09B07758

Sampling Date(s): 3/12/09, 3/13/09

List RCP Methods Used (e.g., 8260, 8270, et cetera) 8260, 6020, 9014, EPH, 7470, 8270

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1A	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1B	<i>VPH and EPH Methods only:</i> Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3	Were samples received at an appropriate temperature (<6° C°)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Edward Denson Position: Technical Director

Printed Name: Edward Denson

Date: 3/24/09

Name of Laboratory: CON-TEST ANALYTICAL LABORATORY

This certification form is to be used for RCP methods only.

www.contestlabs.com



39 Spruce St.
East Longmeadow, MA.
01028
P: 413-525-2332
F: 413-525-6405

Sample Receipt Checklist

CLIENT NAME: AECOM RECEIVED BY: OEC DATE: 3/19/09

- 1) Was the chain(s) of custody relinquished and signed? Yes No
- 2) Does the chain agree with the samples?
If not, explain: Yes No
- 3) Are all the samples in good condition?
If not, explain: Yes No

4) How were the samples received:
On Ice Direct from Sampling Ambient In Cooler(s)
Were the samples received in Temperature Compliance of (2-6°C)? Yes No
Temperature °C by Temp blank 3.0 Temperature °C by Temp gun _____

- 5) Are there Dissolved samples for the lab to filter? Yes No
Who was notified _____ Date _____ Time _____
- 6) Are there any samples "On Hold"? Yes No Stored where: _____
- 7) Are there any RUSH or SHORT HOLDING TIME samples? Yes No
Who was notified _____ Date _____ Time _____

8) Location where samples are stored: 19 Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____

Containers sent in to Con-Test			
	# of containers		# of containers
1 Liter Amber	4	8 oz clear jar	
500 mL Amber		4 oz clear jar	
250 mL Amber (8oz amber)		2 oz clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic	8	Air Cassette	
40 mL Vial - type listed below	22	Brass Sleeves	
Collisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Summa Cans	
Flashpoint bottle		Regulators	
Encore		Other	

Laboratory Comments: ph < 2 DU 7/2 o.k. to switch samples from MW-2 to dual per client.
ME MW-2 for metal and ME MW-2 DAP for cyanide see table attached

40 mL vials: # HCl _____ # Methanol _____
Bisulfate _____ # DI Water _____ Time and Date Frozen: _____
Thiosulfate _____ Unpreserved _____

Do all samples have the proper pH? Yes No N/A

OEC 3/19



Appendix F

2007 Conceptual Site Model

Appendix F
2007 Conceptual Site Model

8.0 CONCEPTUAL SITE MODEL

As described in Section 2.0, the site has historically been used for commercial and industrial activities. Based on the history of the site and information from previous investigations, a Conceptual Site Model (CSM) has been constructed to better evaluate the environmental conditions on the site.

The development of a conceptual site model (CSM) is an evaluation process used to develop a comprehensive understanding of environmental site conditions. The CSM is typically revised as additional pertinent information is obtained and is therefore an iterative process. Ultimately, the resultant CSM provides a current comprehensive status of environmental conditions at a site. Typical issues evaluated include potential historical and present site operations/activities, areas of concern (AOCs), constituents of concern, geology, hydrogeology and hydrology, subsurface structures, degree and extent of contaminants within each media affected, and determination of potential receptors of the identified impacts. The CSM process integrates these issues to develop the comprehensive environmental site conditions. The CSM for the site is summarized in Table 9. Table 9 presents each site AOC, confirmed constituents of concern (COCs) exceeding RSR criteria (if any) in each AOC, and general recommendations for further investigations and/or remediation. Table 9 also includes data and information from previous investigations. This table was developed to facilitate the tracking of activities in each AOC.

8.1 Current Site Understanding

This section presents a discussion regarding the current understanding of the site with respect to site AOCs, COCs, Stabilization Areas (SAs) and RSR requirements. Based on our understanding of the site and a review of the data, a number of AOCs and SAs overlap and therefore are addressed together. Using the CSM, individual AOCs and SAs have been separated into the following four categories;

- 1) AOCs where RSR exceedances (soil and groundwater) have been identified and additional investigations and/or remediation may be appropriate;
- 2) AOCs where no RSR exceedances have been detected, and/or no additional investigations/remediation are recommended, and/or the area can be closed out with existing data;
- 3) AOCs which were not addresses as part of the Phase II/III investigation;
- 4) AOCs which may be addressed after demolition or during flood control evaluation.

In evaluating the four categories, with the focus on the areas where additional investigations and or remediation may be appropriate, please refer to the CSM (Table 9) and figures 4, 5 and 6 for additional information. The boundary between 77 Cooper Street and 104 Butler Street is depicted on the City of Meriden Economic Development Office site map, included in Appendix B. Figure 4, 5 and 6 present map views and RSR exceedances in the soil at 0-2', 2-4' and greater than 4' below land surface, respectively. These figures will help in planning remediation activities. Additionally, figure 7 presents RSR exceedances in site groundwater.

AOC RSR Exceedances in Soil - Additional Investigation and/or Remediation

A total of 33 AOCs/SAs have been identified as potentially requiring additional investigations and/or remediation, and have been combined into the following 11 main portions of the site. A number of the AOCs/SAs have been combined due to physical proximity, and to maximize future investigation/remediation efforts. In other words, investigation/remediation tasks can be utilized to address more than one AOC.

- 1) AOC-1, (AOC-18, SA-K, SA-L, and SA-M) – ETPH and PAH exceedances were noted in the soil adjacent to the 20,000-gallon USTs. This area is adjacent to Building C (Boiler Building), the COCs have been identified and remediation will be required. The full extent of the soil contamination has not

been completely delineated. Figure 4 shows the estimated extent of contamination requiring remediation in the top 2 feet of soil based on existing data. The estimated extents of contamination requiring remediation in deeper soils are shown on Figures 5 and 6. Depth to groundwater in this area is approximately 12' bgs.

Additional investigations would help to refine remediation requirements. It may be practical to re-assess the need for additional investigations during the flood control evaluation and the demolition phase of the project. Contingent upon re-development plans and incorporated flood management components, this area may be excavated and excess material disposed of as non-hazardous, Connecticut Regulated Waste or potentially capped on site.

- PAHs and ETPH > RDEC and I/C DEC at 0-2' bgs;
- PAHs > RDEC and I/C DEC at 2-4' bgs and 4-6' bgs;
- ETPH > RDEC and I/C DEC at 8-10' bgs.

2) AOC-2 (AOC-5, SA-U, SA-V and SA-W) – ETPH and PAHs exceedances were noted in the soil. This area is located along the western bank of Harbor Brook on the 77 Cooper Street parcel and near the southern extent of the brook. This area has been investigated, the COCs have been identified, and remediation will be required. The extent of the soil contamination to the south however, has not been delineated. The estimated extent of soil requiring remediation by depth are shown on Figures 4, 5 and 6.

Additional investigations would help to refine remediation requirements. It may be practical to re-assess the need for additional investigations during the flood control evaluation and the demolition phase of the project. Contingent upon re-development plans and incorporated flood management components, this area may be excavated and excess material disposed of

as non-hazardous, Connecticut Regulated Waste or potentially capped on site.

- PAHs and ETPH > RDEC and I/C DEC at 0-0.5' bgs; PAHs (mass) > GB PMC at 0-0.5'bgs;
- PAHs and ETPH > RDEC and I/C DEC at 2-4'; PAHs (mass) > GB PMC;
- PAHs >RDEC and I/C DEC at 5.5-6' bgs; ETPH > RDEC at 6-8' bgs and 9-11' bgs, and the I/C DEC at 6-8' bgs.

3) *AOC-10* – PAH RSR exceedances in the vicinity of the water tower were identified in shallow soil. This area has been investigated, the COCs have been identified, and remediation will be required. The extent of the soil contamination however, has not been completely delineated. The estimated extent of soil requiring remediation in this area is shown on Figure 4.

Additional investigations would help refine remediation requirements. It may be practical to re-assess the need for additional investigations during the flood control evaluation and/or the demolition phase of the project.

- PAHs (mass) > RDEC and GB PMC at 0-0.5'bgs.

4) *AOC-11 (AOC-16, SA-T and AOC-15C – debris pile)* – ETPH and total lead RSR exceedances were identified in this area, southwest side of Building A, on the 77 Cooper Street parcel. This area has been investigated, the COCs have been identified, and remediation will be required. Additionally, arsenic was detected in exceedance of the RSR criteria in the groundwater.

Additional investigations would help to refine remediation requirements. It may be practical to re-assess the need for additional investigations during the flood control evaluation and the demolition phase of the project.

Contingent upon re-development plans and incorporated flood management components, this area may be excavated and excess material disposed of as non-hazardous, Connecticut Regulated Waste.

- ETPH > RDEC at 0-0.5' bgs;
- Total Lead > RDEC at 0-5' and 2-4' bgs.

5) *AOC-15B (SA-B, SA-C, SA-F, SA-I)* – This area includes a large portion of the site, east of Harbor Brook, near the eastern property boundary. ETPH, PAHs and copper RSR exceedances were detected in this area. This area has been investigated, the COCs have been identified, and additional remediation will be required. The extent of the soil contamination however, has not been fully delineated.

Lead was detected in the soil in SA-C at a concentration which, if detected at similar concentrations after being excavated and staged for disposal, could potentially be considered a hazardous waste.

Additional investigations would help to refine remediation requirements. It may be practical to re-assess the need for additional investigations during the flood control evaluation. Contingent upon re-development plans and incorporated flood management components, this area (with the possible exception of the backfill material in SA-C) may be excavated and excess material disposed of as non-hazardous, Connecticut Regulated Waste.

- Total copper and antimony > RDEC and SPLP lead and antimony > GB PMC at 0-0.5' bgs;
- PAHs (mass) > RDEC, I/C DEC and GBPMC at 0-0.5' and 2-4' bgs;
- ETPH > RDEC at 2-4' bgs

- 6) AOC-17 – This AOC is located at the end of Cherry Street on the 104 Butler Street parcel. Antimony, arsenic, lead and vanadium RSR exceedances were detected. Additionally, VOCs, (LNAPL in MW-1) and zinc RSR exceedances were detected in the groundwater. This area has been investigated, the COCs have been identified, and remediation will be required. The extent of the soil requiring remediation contamination however, has not been fully delineated. The presence of LNAPL and halogenated VOCs in the groundwater suggest an on-going source of contamination in the area.

Additional investigations would help refine remediation requirements. It may be practical to re-assess the need for additional investigations during the flood control evaluation. Contingent upon re-development plans and incorporated flood management components, this area may be excavated and excess material disposed of as non-hazardous, Connecticut Regulated Waste or potentially capped on site.

- Total arsenic >RDEC and I/C DEC at 0-0.5' bgs;
- Total vanadium >RDEC at 0-0.5' bgs;
- SPLP lead and antimony > GB PMC at 0-0.5' bgs;
- PCE > RDEC at 14-16' and 18-20' bgs (in water table and GB PMC not directly applicable; greater than 15' bgs DEC is not applicable).

- 7) AOC-19 (AOC-23, AOC-6, AOC-14, SA-R, SA-S) – ETPH, PAHs, lead and copper exceedances were noted in the soil. This area is located on the east side of Building A along the western bank of Harbor Brook. This area has been investigated, the COCs have been identified, and additional remediation will be required. The extent of the soil contamination however, has not been fully delineated.

Additional investigations would help refine remediation requirements. It may be practical to re-assess the need for additional investigations during the flood control evaluation and the demolition phase of the project. Contingent upon re-development plans and incorporated flood management components, this area may be excavated and excess material disposed of as non-hazardous, Connecticut Regulated Waste or potentially capped on site.

The stained soil in AOC-23 was removed during CTDEP stabilization activities.

- Total arsenic > RDEC and I/C DEC at 0-2' bgs;
- Total copper > RDEC at 2-4' bgs;
- Total lead > RDEC at 2-5.5' bgs;
- SPLP lead > GBPMC at 2-4' bgs;
- PAHs (mass) > RDEC, I/C DEC and GBPMC at 2-4' bgs, and > RDEC at 4-5.5' bgs;
- ETPH > RDEC and I/C DEC at 4-5.5' and 7-9' bgs.

8) AOC-24 – This AOC is located north of Building C on the 104 Butler Street parcel. PAHs and TCE RSR exceedances were noted in the soil. This area has been investigated, the COCs have been identified, and remediation will be required. The extent of the soil contamination however, has not been fully delineated.

Additional investigations would help refine remediation requirements. It may be practical to re-assess the need for additional investigations during the flood control evaluation and/or the demolition phase of the project. Contingent upon re-development plans and incorporated flood management components, this area may be excavated and excess material disposed of

as non-hazardous, Connecticut Regulated Waste or potentially capped on site.

- PAHs > RDEC and I/C DEC at 0-0.5' and 2-4' bgs;
- TCE > GB PMC at 2-4' bgs

9) AOC-31 (*Site Wide Surficial Soils*) – This AOC was investigated in conjunction with other AOCs where RSR exceedances have been identified through surficial soil sampling. Without additional investigations where data gaps exist, it is unknown if surficial soils contaminated with COCs above the RSR criteria are present in other areas.

10) AOC SA-H - This AOC is located east of Harbor Brook just northeast of Building B. Previous investigations identified ETPH RSR exceedances. This area has been investigated, the COCs have been identified, and remediation will be required. The extent of the soil contamination however, has not been delineated.

Additional investigations would help refine remediation requirements. It may be practical to re-assess the need for additional investigations during the flood control evaluation and/or the demolition phase of the project. Contingent upon re-development plans and incorporated flood management components, this area may be excavated and excess material disposed of as non-hazardous, Connecticut Regulated Waste or potentially capped on-site.

- ETPH > RDEC, I/C DEC and GBPMC (pre-existing data, sample depth undetermined)

11) AOC- SA-O – This area is located just southeast of the northern foot bridge on the 104 Butler Street parcel. ETPH RSR exceedances were noted. This

area has been investigated, the COCs have been identified, and additional remediation will be required. The extent of the soil contamination however, has not been fully delineated. Since the area was "stabilized" by CTDEP by removing a localized debris pile, the limits of the additional remediation are not expected to be extensive or deep.

Additional investigations would help refine remediation requirements. It may be practical to re-assess the need for additional investigations during the flood control evaluation. Contingent upon re-development plans and incorporated flood management components, this area may be excavated and excess material disposed of as non-hazardous, Connecticut Regulated Waste or potentially capped on-site.

- ETPH > RDEC at 0-2' bgs

AOC RSR Exceedances in Groundwater – Additional Investigations and/or Remediation

RSR exceedances were detected in six AOCs/SAs, which may require additional investigations and/or remediation. The six AOCs/SAs have been combined into the following five main areas of interest. Refer to figure 7 for additional information.

1) AOC-3 (SA-G) – This area is located northeast of Building B on the 77 Cooper Street parcel. TCE and vinyl chloride RSR exceedances were detected in the groundwater. The area has been characterized and the COCs have been identified.

- TCE > R VC, I/C VC and SWPC
- VC > R VC

2) AOC-11 – This AOC is located on the southwest side of Building A, on the 77 Cooper Street parcel. Concentrations of arsenic were detected at concentrations exceeding SWPC in the groundwater. The COCs have been identified but the source and extent are unknown at this time.

- *Arsenic > SWPC*

3) AOC-17 – This AOC is located at the end of Cherry Street on the 104 Butler Street parcel and is associated with the AOC-25 (Eastern Property Boundary) contamination. The COCs are similar to those present in AOC-25. Additional investigations may be warranted to refine the CSM and identify the source if active remediation is to be conducted. CTDEP conducted off-site sampling in the vicinity of homes on the northern end of Cherry Street. Very low detections of chlorinated VOCs in samples from GP-3 indicate the edge of the plume is in the vicinity of this location.

- *TCE > R VC, I/C VC*
- *VC > R VC*
- *PCE > R VC, I/C VC and SWPC*
- *Zinc > SWPC*

4) AOC-24 – This AOC is located north of Building C and near the northern property boundary. TCE RSR exceedances were identified in the groundwater. The source of the contamination has not been determined, but it may be associated with the chlorinated solvents in AOC 17. The building was demolished and soils have been reworked making the determination of the source difficult.

- *TCE > R VC*

5) AOC-25 (Eastern Property Boundary) – This area is located in the vicinity of the eastern property boundary, and may be associated with the groundwater contamination in AOC-17 and/or AOC-24. The COCs have been identified, but the boundary of the plume has not been completely delineated.

- *TCE > R VC and I/C VC*
- *CDCE > R VC*
- *PCE > R VC and SWPC*
- *VC > R VC and I/C VC*

It appears that a VOC groundwater plume extends onto several properties located at the end of Cherry Street, on the west side of the road. VOC RSR exceedances were noted in the groundwater and it appears that VOC RSR exceedances exist at the plume boundary which appears to straddle a portion of the northwestern most Cherry Street residential property. It also appears that the source of the groundwater contamination is an upgradient source either, in the vicinity of the former Building D area. However, an off-site source further to the north or northeast cannot be ruled out.

The CT DEP was notified of the condition with regards to vapors potentially impacting off-site residential properties. In association with the Connecticut Department of Public Health (DPH), the CT DEP investigated the area further, collecting vapor and groundwater data to assess current environmental conditions on the residential properties. Groundwater RSR exceedances were detected but no exceedances were detected in the vapors.

With the exception of AOC-3 and 11, groundwater contamination in exceedance of the RSR criteria appears to be located predominately on the 104 Butler Street parcel. Chlorinated VOCs are the predominate COC in this area. Currently, a definitive on-site source has not been identified, but potential

on-site sources may include improper waste handling/disposal associated with historic activities at former Building D. Historic activities include gun manufacturing, machining, foundry, and pattern shop activities and operations. VOC contaminated soil and soil gas was previously identified in this area and also could represent a potential on-site contaminant source.

Weston (1998) detected chlorinated VOC RSR exceedances in the soil vapor in the vicinity of Former Building D which, combined with other data, suggest a source in the Building D area. However, off-site sources cannot be ruled out. Potential off-site sources of the chlorinated VOCs may include dry cleaners and other businesses, whose operations utilize and released chlorinated VOCs.

Groundwater has not been investigated beneath the factory on the 77 Cooper Street parcel.

AOCs – Areas Addressed during M&E's Phase II/III - No Additional Investigations and/or Remediation Recommended

The following AOCs/SAs were investigated during M&E's Phase II/III and no additional investigations and/or remediation are recommended.

AOC-13, AOC-30, SA-E, SA-N, and SA-P

Areas Not Addressed in this Study

The following AOCs/SAs were not addressed in this Phase II/III investigation. Based upon the information, or the lack of information presented in previous investigations, these AOC/SAs have been categorized into two groups; those AOCs/SAs where additional investigations and/or remediation are not recommended, and those AOCs/SAs where additional investigations/investigations are recommended.

AOC-4 (SA-J), AOC-7, AOC-8, AOC-14, AOC-16, AOC-18, AOC-22, AOC-33 and SA-Q

- AOC-4 (SA-J), AOC-7, AOC-8, AOC-22 and SA-Q were not investigated during the Phase II/III but based on the data, no additional investigations and/or remediation are recommended.
- AOC-16 (debris pile southwest of building A) and AOC-26 (surface water and sediments) were not investigated during the Phase II/III but can be combined with AOC-11 and AOC-12 respectively, and additional investigations and/or remediation could be combined with demolition and flood control activities. AOC-14, AOC-18 and AOC-33 (soil and groundwater beneath building A) were also not investigated. Once Building A has been demolished and the debris removed, AOC-33 (soil and groundwater beneath factory) and AOC-14 (dust piles) can be investigated and/or remediated.

AOCs – Areas Not Investigated by M&E in this Study - Address during Pre-Demolition and Demolition Phase

AOC-9 (ASTs in building A), AOC-20 (wood flooring –building A), AOC-21 (stained concrete – building A), AOC-26 (surface water & sediments) (include with AOC-12 [discharge pipes to brook]), AOC-27 (asbestos materials), AOC-28 (lead paint), AOC-29 (light ballasts), AOC-32 (transformers in building), and SA-D (asbestos impacted soil under heat transfer lines).

- AOC-9, AOC-20, AOC-21, AOC-27, AOC-28, AOC-29, AOC-32, and SA-D were not investigated during the Phase II/III. It is recommended that these areas be addressed during pre-demolition and demolition activities.

No.	Area of Concern	Samples		Sample Distances	Comments and Recommendations
		1	2		
1	2 - 20,000-gallon USTs (pumped out)	AOC-1-SB-01 AOC-1-SB-02 AOC-1-SB-03	0-2', 2-4', 4-6', 10', 10'		Delineate area with 3-4 supplemental soil borings; evaluate PMC with SPLP analyses; VOCs were not detected above the RES DEC or the GWPC X 10 (self-implementing option), which is used to evaluate the PMC; remediate RSR exceedance soil and/or place ELUR on area in conjunction with redevelopment; remove tanks if still present.
2	1 - 1,000-gallon UST (pumped out)	AOC-2-SS1, AOC-2-SB-1	0-0.5', 5.5'		Remediate RSR exceedance soil and/or place ELUR on areas in conjunction with redevelopment; remove tank if still present.
3	Former 1 - 10,000-gallon UST	AOC-3-SB/MW-01	2-4', 10'	RES VC and I/C VC; WPC	Install supplemental 2 wells to better delineate; monitor groundwater; potential ELUR; Weston (1999) detected TCE
4	1 UST of unknown size			N	No additional investigations recommended; use existing data to close out AOC; existing data indicates no exceedances; remove tank if present.
5	2 USTs of unknown size	AOC-5-SS-01, AOC-5-SB-01, AOC-5-SB-02, AOC-5-RB1, AOC-5-RB2	0-0.5', 2-4', 10-1'		Advance 2-3 supplemental soil borings to better delineate extent to the south; remediate soil exceedances and/or place ELUR on area in conjunction with redevelopment. In conjunction with flood control evaluation, remove tanks if present.
6	5 USTs of unknown size				
7	2-200 gallon ASTs			AOC-7	Remediate in conjunction with AOC-19; remove tanks
8	1-1,500-gallon AST			AOC-8	Utilizing existing documentation to close out AOC
9	2-300-gallon ASTs				Utilizing existing documentation to close out AOC
10	1 - 150,000-gallon AST (Water tower)	AOC-10-SS-01, AOC-10-SS-02	0-0.5'		Evaluate AOC using existing documentation during pre-demolition Advance 2-3 supplemental soil borings to better delineate extent; remediate soil exceedances and/or place ELUR on area in conjunction with redevelopment; evaluate PMC with SPLP analyses; install well to evaluate water quality
11	11 - 55-gallon drums	AOC-11-SS-01, AOC-11-SS-02, AOC-11-SB-02, AOC-11-MW-01	0-0.5'(2), 2-4', 10'(2)	SWPC	Advance 2-3 supplemental soil borings to better delineate extent; remediate soil exceedances and/or place ELUR on area in conjunction with redevelopment; continued groundwater monitoring recommended
12	Discharge pipes (to Harbor Brook)				Existing sediment data indicates impacts; evaluated during flood control evaluation
13	Dry well	AOC-13-01, AOC-13-SB-01	0-0.5', 2-4'		soil vapor and groundwater samples collected by Weston (1998); VOC vapors < RSR criteria; VOCs in groundwater downgradient of drywell < 1996 GWVC, but TCE > 2003 RES GWVC and I/C GWVC; monitor groundwater plume
14	dust piles	AOC-14 not addressed in this phase of the project			Evaluate using existing documentation; remediate and/or place ELUR on area; combine with AOC-19
15	Debris piles	AOC-15-SS-01, AOC-15-SS-02, AOC-15-SS-03, AOC-15-SS-04, AOC-15-SS-05, AOC-15-SB-01, AOC-15-SB-02	0-0.5'(5), 2-4'		AOC-15B - Delineate area with 5-6 supplemental soil borings; remediate soil exceedances and/or place ELUR on area in conjunction with redevelopment; existing AOC15C data indicates TPH > R DEC 2'; AOC-15C, investigate/remediate in conjunction with AOC-11.
16	debris pile - glass				conduct visual inspect; combine with AOC-11
17	Contaminated soil	AOC-17-SS-01, AOC-17-SS-02, AOC-17-SB-01 AOC-17-SB-02	0-0.5'(2), 2-4', 12-14', 14-16'	I/C VC in MW-1; Vinyl Zinc > SWPC in MW-1; no exceedance in MW-2	Advance 3-4 supplemental soil borings to better delineate shallow soil contamination; install 2 wells to evaluate VOC plume source area and potential on-site migration of contaminated groundwater from an upgradient, off-site source area; evaluate the applicability of CT DEP's upgradient policy; remediate soil exceedances and/or place ELUR on area; VOCs detected (< RSR criteria) in soil in 1998 (Weston), TCE and PCE detected in soil vapor (Weston, 1998) > SVVC; Weston (1998) stated 5,600 ft ² of chlorinated solvent VOC contaminated soil exists to 15 fbg. It is unclear if this soil has been remediated.
18	ETPH-stained surficial soil			Removed during redevelopment	See AOC-1 recommendations

No.	Area of Concern			Comments and Recommendations
		Samples	Sample Distances	
19	Contaminated soil	AOC-19-SB-02, AOC-19-SB-03, AOC-19-MW-01	2-4'(3), 5-7', 10'	Remediate RSR exceedance soil and/or place ELUR on area in conjunction with redevelopment; existing data indicates copper > R DEC 2.5-5'
20	Contaminated wood floor			Inspect floor for indications of a release; collect 4-6 samples for characterization; can be performed as part of pre-demolition work
21	Stained concrete			Inspect concrete for indications of a release; collect 4-6 chip samples for characterization; can be performed as part of pre-demolition work
22	Asbestos debris pile			
23	Stained soil			
				Review existing data and close out AOC
				Addressed as part of AOC-19.
24	Possible UST	AOC-24-SS-01, AOC-24-MW-01	0-0.5', 2-5' VC	Advance 4 supplemental soil borings to better delineate soil contamination; complete borings as nested (shallow and deep) well pairs to better evaluate horizontal and vertical extent of contaminated groundwater; in conjunction with AOC-17 and SA-M, evaluate the applicability of CT DEP's upgradient contaminated groundwater policy; remediate soil exceedances and/or place ELUR on area.
25	Groundwater Contamination On-Site	---	---	Sample representative wells for metals and VOCs under other AOCs to evaluate groundwater quality at the site. No additional work beyond sampling of these wells.
25	Groundwater Contamination along the Eastern Property Boundary	---	---	Install two-three nested pairs (4-6 wells) upgradient to evaluate potential on-site migration of chlorinated VOC contaminated groundwater from an off-site source area; install two supplemental wells on residential property at end of Cherry Street to evaluate VC adjacent to residential structure; utilize data to address remedial options; CTDEP conducting separate investigation.
26	Contaminated surface water and sediments			In conjunction with AOC-12, evaluate existing surface water and sediment data, including proposed sediment sample data
27	Asbestos-containing materials			
28	Lead paint			
29	Fluorescent light ballasts			
30	Louie's Auto Shop (55 Cooper St.)	AOC-30-SS-01, AOC-30-MW-01	0-0.5', 2-4'	No exceedances; no additional investigation or remediation recommended at this time
31	Site-wide surficial soils			See recommendations for specific AOCs
32	Building B - transformer/electrical house			Address during pre-demolition activities.
33	Subsurface Soils and Groundwater Beneath Building A			Conduct supplemental Phase II/III to evaluate soil and groundwater; test for VOCs, ETPH, PAHs, metals and PCBs
SA-A	Stabilization Area A Smokestack Removed			
SA-B	Stabilization Area B Contaminated Soil Piles Removed (AOC-15)			In conjunction with AOC-15, delineate area with 5-6 supplemental soil borings; remediate RSR exceedance soil and/or place ELUR on area in conjunction with redevelopment
SA-C	Stabilization Area C Asphalt Piles Removed	AOC-SA-C-SS-01, AOC-SA-C-SB-01	0-0.5', 2-4'	Remediate RSR exceedance soil and/or place ELUR on area in conjunction with redevelopment
SA-D	Stabilization Area D Asbestos-Impacted Soil Removed			Address in pre-demolition and/or RAP (confirmatory soil sampling) phase
SA-E	Stabilization Area E Metal-Impacted Soil Removed	AOC-SA-E-SB-01	0-2', 2-5'	Evaluate PMC with SPLP analyses; close out AOC
SA-F	Stabilization Area F Impacted Soil Stockpile Staging Area #1 - Evaluate pre-stockpile conditions			See AOC-15 Recommendations
SA-G	Stabilization Area G 10,000-gal. Waste Water UST Removed (AOC-3)			See AOC-3 Recommendations
SA-H	Stabilization Area H Metal-Impacted Soil Removed	AOC-SA-H-SB-01	0-2', 2-5'	Previous investigations identified ETPH > R DEC, I/C DEC and GB PMC in sample location S-2; advance 3-4 supplemental soil borings to delineate extent; remediate soil exceedances and/or place ELUR on area in conjunction with redevelopment
SA-I	Stabilization Area I Impacted Soil Stockpile Staging Area #2 (Part of AOC-15) - Evaluate pre-stockpile conditions			See AOC-15 Recommendations
SA-J	Stabilization Area J - 275 gal. gasoline UST Removed (AOC-4)			See AOC-4 Recommendations

No.	Area of Concern	Exceedances		Comments and Recommendations
		Samples	Sample Distances	
SA-K	Stabilization Area K Oil-Stained Soil removed (AOC-18)			See AOC-18 Recommendations
SA-L	Stabilization Area L 2-20,000-gal. #6 Oil Tanks Cleaned (AOC-1)			See AOC-1 Recommendations
SA-M	Stabilization Area M Impacted-Soil and Fire Debris Pile Removed (AOC-15)	AOC-SA-M-SB-01, AOC-SA-M-SB-02	0-1'	Investigate in conjunction with AOC-24
SA-N	Stabilization Area N Building "C" Asbestos and Lead Abatement Work	AOC-SA-N-SS-01, AOC-SA-N-SS-02	0-0.5'	No exceedances; no additional investigation or remediation recommended at this time
SA-O	Stabilization Area O Impacted-Soil and Debris Pile Removed	AOC-SA-O-SB-01, AOC-SA-O-SS-02	0-2'	Advance 3-4 supplemental soil borings to better delineate extent; remediate soil exceedances and/or place ELUR on area in conjunction with redevelopment
SA-P	Stabilization Area P Asbestos Roof Removed from UST Bunker	AOC-SA-P-SS-01, AOC-SS-P-SS-02	0-0.5'	No exceedances; no additional investigation or remediation recommended at this time
SA-Q	Stabilization Area Q Building "B" Asbestos and Lead Abatement Work		Not	Review existing data and close out AOC.
SA-R	Stabilization Area R Metals-Impacted Soils Removed and Stone Cover Installed (AOC-6)			
SA-S	Stabilization Area S Sump Cleaned of Metal-Impacted Sludge			See AOC-19 Recommendations
SA-T	Stabilization Area T Building "A" 2nd & 3rd Floor Asbestos Abatement Work - Address other Parts of Building	AOC-SA-T-SS-01, AOC-SA-T-SS-03, AOC-SA-T-SS-04	0-0.5'	In conjunction with AOC-11, delineate area with 2-3 supplemental soil borings; remediate RSR exceedance soil and/or place ELUR on area in conjunction with redevelopment
SA-U	Stabilization Area U 1,000-gal. heating oil UST Cleaned (AOC-2)			See AOC-2 Recommendations; close out AOC
SA-V	Stabilization Area V UST Grave found (No UST) (AOC-5)			See AOC-5 Recommendations; close out AOC
SA-W	Stabilization Area W Empty Concrete Vault found (AOC-5)			See AOC-5 Recommendations

Notes: 1) See Table 5 for a comprehensive summary of RSR exceedances in soil, including pre-2000
2) Supplemental investigations provided in the recommendations column are dependent on

UST = underground storage tank.

AST = aboveground storage tank.

ft² = square feet.

COCs - Constituents of Concern

ETPH = extractable total petroleum hydrocarbons

VOCs = volatile organic compounds

PAHs = poly-cyclic aromatic hydrocarbons

metals = CT 15 metals

PCBs = polychlorinated biphenyls.

N/A = not applicable.

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

INSILCO, FACTORY H SITE COOPER STREET MERIDEN, CONNECTICUT

Prepared for:

**The City of Meriden
Economic Development Office
142 East Main Street
Meriden, CT 06450**

Prepared by:

**Metcalf & Eddy, Inc.
860 North Main Street Extension
Wallingford, Connecticut 06492**



NOVEMBER 2006

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- Figure 1 – Site Location Map
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**PHASE I ENVIRONMENTAL SITE ASSESSMENT
INSILCO, FACTORY H SITE
77 COOPER STREET
MERIDEN, CONNETICUT**

1.0 Introduction

Metcalf & Eddy, Inc. (M&E) was contracted by the City of Meriden, Connecticut to perform a Phase I Environmental Site Assessment (ESA) at the International Silver Company (INSILCO), Factory H property (hereinafter referred to as the “site”), located at 77 Cooper Street in Meriden, Connecticut (Figure 1). The purpose of the Phase I ESA is to identify the potential presence of hazardous materials or petroleum products on the site based on historical site activities or activities in nearby areas. This work is based on the Connecticut Department of Environmental Protection (CTDEP) *Draft Characterization Guidance Document* (June 1989) and the ASTM 1527-2005 Phase I Environmental Site Assessment Standard. The Phase I ESA meets the requirements of USEPA’s *All Appropriate Inquiry* policy.

M&E conducted this Phase I ESA by performing investigation and research activities to identify areas of recognized environmental conditions (REC), herein referred to as areas of concern (AOCs). Specific tasks conducted for the Phase I ESA included: a site inspection, a compilation and review of existing and relative site specific information, interviews with an official from the Connecticut Department of Environmental Protection (CTDEP) and two neighboring property owners, review of local, state and federal records and preparation of a Phase I ESA report. All observations, findings and conclusions presented in this report should be considered with respect to the Statement of Limitations included in Appendix 1. The qualifications of the environmental professionals are provided in Appendix 2.

2.0 Scope of Work

The scope of work for this environmental site assessment is summarized below.

Task 1. Conduct Facility Visit and Interviews with Regulatory Official (CTDEP) and Neighboring Property Owners. M&E conducted a site reconnaissance on March 7, 2006 to evaluate site usage, environmental conditions, and potential storage or discharges of oil or hazardous materials on the site. The interiors of Buildings B and C were also evaluated during the site visit. Evaluation of Building A was excluded from this Phase I ESA due to accessibility

and safety concerns, and was not included in the scope of this evaluation. Site features and conditions were photographed and observations were recorded.

In addition to the site reconnaissance, M&E conducted several interviews. M&E discussed CTDEP stabilization/removal activities conducted at the site during 2005 with Mr. Raymond Frigon, of the CTDEP. M&E also conducted an interview via telephone with Ms. Maryellen Mordarski, Chairman of the Meriden Conservation (Land) Commission. Ms. Mordarski has been a resident for nearly 55 years at 65 Cherry Street, which is adjacent to the site. M&E also conducted an interview with via telephone with Mr. Louis Scionti, the owner of Louie's Auto Body, located at 55 Cooper Street and adjacent to the site. Mr. Scionti has owned the property at 55 Cooper Street since the late 1970s. The purpose of these interviews was to obtain information about uses and conditions of the site prior to, and following, abandonment, including up to the present. Additional information regarding miscellaneous dumping of oil or other hazardous materials at the site was also discussed during this interview.

Task 2. Order and Review Environmental Database Records for Site. The purpose of the database records review was to obtain and review records that helped identify recognized environmental conditions in connection with the site. M&E utilized the services of an environmental database provider, Environmental Data Resources, Inc. (EDR), to assemble environmental records for the site. The database records review consisted of information from standard sources such as the Federal NPL site list, Federal RCRA generators list and State lists of registered and/or leaking underground storage tanks (EDR report, February 23, 2006).

The database records review included a map indicating the location of the facility and the locations of any identified environmental concerns within a one-mile radius from the facility as identified through the records review. The database records review also included Sanborn Fire Insurance maps to the extent that they are available.

Task 3. Review State and Local Files for Subject Facilities. M&E reviewed additional records available from state sources including the CTDEP and State Library, both located in Hartford, CT, for the site. M&E also contacted local government officials such as the Assessor's Office, Building Department, Engineering Department, Health Department, Planning Department (which incorporates Inland Wetlands), Water Pollution Control Department, and the Fire

Marshall's Office. The objective of these records reviews, which included phone interviews and file reviews, was to attempt to obtain information indicating AOCs in connection with the site.

Task 4. Prepare ESA Report. M&E prepared an environmental site assessment report for the site summarizing the findings of the ESA. The report includes photographs, site maps and documentation to support the information provided in the ESA. The information sources used to conduct the ESA are identified in the report. The report provides a description of the site and indicates the potential presence of AOCs.

Task 5. Assist with Evaluation of CT Transfer Law Implications. M&E evaluated site-specific information with respect to the CT Property Transfer Program (PTP). M&E provided preliminary evaluation on the applicability of the PTP based on information obtained during completion of this Phase I ESA.

2.1 Assessment Objective

The purpose of this assessment is to identify AOCs and to update previous site assessments in order to refine the Phase II/III ESA currently being conducted at the site by M&E.

2.1.1 Prior Investigations

Environmental assessments and investigations of the site have been documented in the following reports:

- HRP Associates, Inc., *Site Assessment Report*, June 21, 1988.
- Advanced Environmental Interface. *Assessment of Site Environmental Conditions Report*, January 24, 1990.
- ICF Kaiser Engineers, Inc., *Underground Storage Tank Sampling Report*, December 17, 1990.
- Roy F. Weston, Inc., *Removal Program Preliminary Assessment/Site Investigation Report*, December 22, 1997.
- Roy F. Weston, Inc., International Silver co., Factory H, *Brownfields Targeted Site Assessment Final Report*, September 8, 1999.
- GZA GeoEnvironmental, Inc., *Supplemental Phase II, Environmental Site Evaluation, International Silver Company, Factory H Site, Meriden, Connecticut*, June 2000.

- Subsurface Information Surveys. *Ground Penetrating Radar Survey Results For The Investigation For The Location Of: Underground Storage Tanks & Utilities At: 77 Cooper St., Meriden, CT, July 2005.*
- Advanced Environmental Interface (AEI). *Removal Stabilization Activities Summary Report, Former International Silver Company/Insilco Factory H Site, Meriden, CT, February 2006.*

As part of the investigations listed above, soil, sediment, soil gas, and groundwater samples were collected and analyzed for site-related contaminants of concern (COCs). Metals, cyanide, volatile organic compounds (VOCs), petroleum hydrocarbons (TPH), polycyclic aromatic hydrocarbons (PAHs), and asbestos were detected on-site and are associated with several of the AOCs. Several of these constituents were detected at concentrations above Connecticut Remediation Standard Regulations criteria. Details regarding the samples and the analytical results are included in the reports listed above.

Potential and known areas of concern (AOCs) were identified in the following two reports:

- Roy F. Weston, Inc., International Silver co., Factory H, *Brownfields Targeted Site Assessment Final Report*, September 8, 1999.
- GZA GeoEnvironmental, Inc., *Supplemental Phase II, Environmental Site Evaluation, International Silver Company, Factory H Site, Meriden, Connecticut*, June 2000.

Weston (September 1999) identified 29 areas of concern (AOCs). Many of these areas have varying extents of soil and groundwater sampling associated with them. These 29 AOCs are described on Table 1 and are shown on Figure 2.

Advanced Environmental Interface, Inc. (AEI) conducted removal/stabilization activities on behalf of MidState Medical Center (MMS) and under the guidance of CTDEP. The activities were conducted in 2004-2005 to remove hazardous materials and stabilize hazardous conditions, requiring immediate action identified by CTDEP, at the former International Silver Company/Insilco Factory H site. The Removal/Stabilization Activities Summary Report (AEI, February 2006) presents these activities. The types and quantities of materials identified for removal/stabilization during this project were generally based on the following reports, which at that time were the most recent environmental investigation reports for the site:

- Roy F. Weston, Inc., September 9, 1999: International Silver Co., Factory H, Brownfields Targeted Site Assessment Final Report, Prepared for U.S. EPA Region I Office of Site Remediation and Restoration; and
- GZA GeoEnvironmental, Inc., June 2000: Supplemental Phase II Environmental Site Evaluation, International Silver Company, Factory H Site, Meriden, Connecticut.

The removal/stabilization activities conducted at the Factory H site included (as quoted from the AEI Summary Report (February, 2006)):

- (1) *demolition, removal and disposal of a dilapidated smokestack at the former boiler house (Building C);*
- (2) *removal and disposal of metal-laden dust piles beneath former cyclone dust collectors adjacent to the main building (Building A);*
- (3) *removal and disposal of metals-impacted surface soils beneath/adjacent to the dust collectors and in two areas on the east side of Harbor Brook, and installation of a 2-ft.-thick cover of two-inch process stone over the excavated areas;*
- (4) *assessment of the presence of potential/suspected underground storage tanks (UST) suggested by prior investigation, via ground penetrating radar and test pits;*
- (5) *removal and disposal of the contents of USTs identified on the site (a sump pit, two 20,000-gal. fuel oil tanks, a 10,000-gal. waste water tank, a 275-gal. gasoline tank, and a 1,000-gal. kerosene tank);*
- (6) *removal and disposal of the 10,000-gal. waste water UST;*
- (7) *removal and disposal of the 275-gal. gasoline UST;*
- (8) *removal and disposal of assorted containers of hazardous or potentially hazardous materials;*
- (9) *removal and disposal of several piles of impacted soil and debris (some including asbestos, metals and petroleum-related compounds, and fire debris);*
- (10) *removal and disposal of several piles of asphalt and debris;*
- (11) *removal and disposal of asbestos-impacted soil beneath steam lines between Buildings A and C;*

- (12) *removal and disposal of friable asbestos insulation that had fallen, or that was a risk of falling, to the floor in the former transformer/electrical house (Building B), the boiler house (Building C), and in certain locations of the main building (Building A), and to the ground surface outside the buildings;*
- (13) *removal and disposal of lead-based paint that had fallen, or that was at risk of falling, to the floor in Buildings B and C and in certain locations in Building A;*
- (14) *removal and disposal of non-friable asbestos-containing building materials found on the adjacent ground surfaces and inside Buildings A, B, and C, as well as roofing material removed from the two 20,000-gal. fuel oil USTs bunker on the east side of Building C;*
- (15) *removal and disposal of accessible metal-laden dust residue from the dust collectors adjacent to Building A;*
- (16) *removal and disposal of certain dilapidated overhead metal duct work between Building A and the dust collectors, and between Building C and the smokestack;*
- (17) *removal of certain sections of the dilapidated roof of Building C;*
- (18) *installation of plywood over open entrances (door and windows) to Building A;*
- (19) *installation of a chain-link fence around Building C;*
- (20) *repair and re-installation of certain portions of a chain-link fence around Buildings A and B;*
- (21) *securing of boiler doors and openings in Building C via spot welding;*
- (22) *encapsulation of certain remaining asbestos-containing materials on the boiler in Building C;*
- (23) *removal and disposal of metal window frames with asbestos-containing glazing from Building C;*
- (24) *installation of plywood barriers over certain open second and third floor entrances (doors/openings) to the fire-damaged areas and elevator shafts in Building A;*
- (25) *removal of brush and trees around the perimeter of Buildings A, B, and C and in work areas as required; and*

- (26) *sealing certain pipe penetrations (via versi-form) that were exposed during work activities on the east wall of Building A, on the first floor of Building C, and on the Harbor Brook retaining wall.*

These stabilization/removal areas were assigned labels of “Stabilization Area” A through W (SA-A to SA-W). Four additional AOCs (#30 to #33) were added to the list of Phase II AOCs by M&E. M&E determined that these additional AOCs would more appropriately describe environmental concerns at the site. These stabilization areas and AOCs are described on Table 1 and are shown on Figure 2. As shown on Table 1, several of the stabilization areas overlap with some of the previously-identified 29 AOCs. Some confirmatory soil sampling was conducted for the stabilization/removal areas, SA-E, SA-H, SA-G (AOC-3), SA-J (AOC-4), and SA-R (AOC-19).

Currently, M&E is conducting a Phase II/III ESA at the site to further evaluate the AOCs described above.

2.1.2 Deviations from ASTM Standard

Deviations

- The Phase I ESA focused on the accessible portions of the site only. The interior of Building A was not evaluated.
- Former owners/site staff were not available for interview. However, two owners of neighboring properties and a regulatory official, Mr. Ray Frigon of CTDEP, were interviewed.

Data Gaps

- No significant data gaps were identified that hindered the ability to identify AOCs outside of Building A. However, additional Phase II/III testing is being conducted on-site to further evaluate the AOCs identified on Table 1 of this report. In addition, the environmental quality of soil and groundwater beneath Building A will be evaluated following the future demolition of Building A.

3.0 Site Background

3.1 Location and Description of General Vicinity of Site

The site is located at 77 Cooper Street and 104 Butler Street in the City of Meriden, New Haven County, Connecticut (Figure 1). The approximate site boundary is shown on Figure 2. The site is located in an area of mixed commercial, industrial, and residential land use. Properties adjacent to the site include both commercial and residential. The site is: bordered by railroad tracks and Cherry Street residences to the east; commercial establishments, Harbor Towers and Hanover Towers to the north; Louie's Auto Garage and Cooper Street to the south/southeast; and the former Veteran's Memorial Medical Center and Cook Avenue residences to the west. A Yankee Gas natural gas facility and residential properties are located to the south of the site, across Cooper Street.

3.2 Regional Geology/Hydrogeology

According to the Bedrock Geological Map of the Meriden Quadrangle of Connecticut (USGS, 1985), bedrock beneath the site is identified as New Haven Arkose, a sandstone. The Surficial Materials Map of Connecticut identifies the overburden as mixtures of gravel and sand (CTDEP, 1992).

According to the Water Classification Map of Connecticut (CTDEP, 1993), groundwater at the site is classified as GB groundwater. Class GB groundwater is presumed to have been degraded by past urban or industrial activities and may not be suitable for human consumption without treatment. Flow direction was estimated by Weston (1999). On the eastern portion of the site, groundwater is estimated to flow in a southwesterly direction towards Harbor Brook. Conversely, on the western portion of the site, groundwater is estimated to flow in a southeasterly direction towards Harbor Brook. There are no known potable water supply wells within 500 feet of the site (EDR report, February 23, 2006).

3.3 Surface Water

The site is bisected by Harbor Brook, which connects to the Quinnipiac River. Harbor Brook has a B surface water classification (CTDEP, 1993). A B surface water classification indicates that the water may be a suitable fish and wildlife habitat.

3.4 Description of Site

Figure 2 contains a site plan and Appendix 3 contains photographs of the site taken during the M&E site visit. The site is approximately 7.2 acres in size and bisected by Harbor Brook. The area of the site west of Harbor Brook and approximately 50% of the area of the side east of Harbor Brook is located within the 100-year flood plain and is zoned for manufacturing uses. The site is currently abandoned and fenced. The current owner is listed as BL&A Associates LTD Partnership of St. James, New York.

Three buildings, constructed from approximately 1886 to 1947, are present on the site: Building A (Factory H) is a 100,000+ FT² multi-story former manufacturing structure; Building B is a 900 FT² former transformer/electrical house; and Building C is a 7,200 FT² former power plant. There are several additional structures, including a footbridge and water tower, on the site. A fourth building (Building D), formerly on the northeast portion of the site, was destroyed by fire and demolished circa 1980. Initially a gun manufacturing shop, Building D housed a machine shop, a foundry, and a pattern shop. Building A resides to the west of the brook, while Buildings B and C are east of the brook. The remainder of the eastern side of the brook is primarily a cleared space. Approximately 25 cyclone-like dust collectors are situated along the east side of Building A. The dust collectors collected metal dust from the former silverware manufacturing operations.

The site is connected to municipal water and sewer service, which are currently inactive. Underground natural gas, electric, and telephone utilities are on-site. The active underground gas lines are located in the vicinity of the brook; one buried gas line is located on each side of the brook. The buried gas line veers in a northeasterly direction away from the brook on the northern portion of the site, and in a direction approximately towards the apartment complex situated north of the site.

4.0 Site History

4.1 General Site History and Site Operations

The site and site history was described in the Brownfields Targeted Site Assessment Final Report (Weston, September 1999) and Supplemental Phase II Environmental Site Evaluation (GZA, June 2000).

The site was used for a variety of industrial and manufacturing purposes from the late 1800s until approximately mid-1970s, at which time the property was vacated. Industrial processes historically conducted on the site included silverware manufacturing (e.g. International Silver Company) and gun manufacturing (e.g. Parker Brothers). Processes included casting, plating, machining, trimming, polishing, buffing, forging, storage, and shipping. The property has remained vacant since the late 1970s, and is currently abandoned.

Factory H is known to have used alkali soaps, sulfuric acid, oils, nickel, silver, chromium, copper, zinc, acid and alkali solutions, and halogenated and non-halogenated solvents. Other constituents of concern (COCs) on the site include, but may not be limited to, asbestos, other metals (including lead), cyanide, PCBs, total petroleum hydrocarbons, and volatile and semi-volatile organic compounds. Several COCs were detected at concentrations exceeding the Connecticut Remediation Standard Regulations (RSRs).

4.2 Sanborn Maps

M&E reviewed Sanborn Fire Insurance Maps from 1884, 1891, 1896, 1901, 1950, 1953, and 1971 for the site. A brief description of site occupants/operations for each map is provided below:

1884 Sanborn Map

- The C. Rogers and Bros. Silverware Manufacturers facility is operating on the western portion of the site, west of the brook. Industrial operations include silverware manufacturing, specifically consisting of plating, machining, packing, and shipping. Coal and kerosene are utilized as fuel sources. The facility is shown in the area of the older portion of Building A.
- Parker Bros. Machine Shops and Gun Factory facility is operating on the eastern portion of the site, east of the brook. Industrial operations include gun manufacturing, specifically consisting of a foundry and machining activities. Light gasoline and coal are utilized on-site. The facility is shown in the area of Building D.
- The Bradley & Hubbard Manufacturing Company industrial complex is located on the adjacent property to the north of the Parker Bros. facility. Brass foundry is a listed industrial activity. The facility traverses Harbor Brook.

1891 Sanborn Map

- The C. Rogers and Bros. Silverware Manufacturers facility is operating on the western portion of the site, west of the brook. Similar industrial operations and fuel sources are shown. However, an old gasometer is shown on-site. The footprint of the facility appears to have increased in area since 1884.
- Parker Bros. Machine Shops and Gun Factory facility is operating on the eastern portion of the site, east of the brook. Similar industrial operations are shown. Crude oil has been added as a fuel source. The footprint of the facility appears to be similar in area since 1884. The site is serviced by city water.
- A gasometer facility is located across Cooper Street to the south of the site.

1896 Sanborn Map

- The C. Rogers and Bros. Silverware Manufacturers facility is operating on the western portion of the site, west of the brook. Similar industrial operations and fuel sources are shown. The footprint of the facility appears to have increased in area since 1891 to include several different departments. The names and descriptions of these departments are illegible.
- The facility name of the Parker Bros. Machine Shops and Gun Factory facility was changed to “Parker Bros. Gun Shops.” Similar industrial operations and fuel sources are shown, with the exception of the addition of forging. The footprint of the facility appears to be similar in area since 1891.

1901 Sanborn Map

- The C. Rogers and Bros. Silverware Manufacturers facility is operating on the western portion of the site, west of the brook. Similar industrial operations and fuel sources are shown. The footprint of the facility appears to be similar in area since 1896.
- The facility name of the Parker Bros. Gun Shops was changed to “Chas. Parker Co. Gun Department”. Similar industrial operations and fuel sources are shown. The footprint of the facility appears to be similar in area since 1896. However, a rifle range has been added to the site.

1950 Sanborn Map

- The C. Rogers and Bros. Silverware Manufacturers facility name has been changed to “The International Silver Co. Factory H”. The footprint of the facility appears to have

significantly increased in area since 1901. The most substantial increase in building size occurred in the southern portion of this portion of the property. Building B, spanning the brook, is also shown.

- The Chas. Parker Co. Gun Department facility name has been changed to “The International Silver Co. Factory H”. The footprint of the Building D facility appears to be similar in area since 1901. However, a boiler house, known as Building C, is present to the west of Building D. The oil storage tank bunker is shown adjacent to the boiler house. The site is shown to be serviced by public utilities.
- Several commercial buildings appear to be present to the north of the western portion of the site. One is labeled “steam laundry.”

1953 Sanborn Map

- The mapping has not changed significantly.

1971 Sanborn Map

- The mapping has not changed significantly.

4.3 Historical Aerial Photographs

Aerial Photographs of the area were obtained for the years of 1934, 1940, 1951, 1965, 1970, 1975, 1980, 1986, 1992, and 1995. A brief description of site features observed in each photo is provided below.

1934 Aerial Photo

The northern portion of Building A, as well as Building D, are shown on the property. In addition, there appears to be a large concrete pad on the eastern side of Harbor Brook. An industrial facility (Bradley & Hubbard manufacturing facility) is located to the north of Building D. The utility company site located to the south of Cooper Street is developed.

1940 Aerial Photo

The southern portion (sawtooth roof) portion of Building A is present. In addition, Building C is present.

1951 Aerial Photo

Buildings A, C, and D are distinguishable in the photograph and appear similar to present day configuration.

1965 Aerial Photo

Buildings A, B, C, and D are shown on the property. Parking lots are shown to the north and south of Building C. The outdoor cyclone dust collectors associated with Building A are visible. The water tower, former smokestack, and heating system conveyance structure are shown. An outdoor storage area or debris pile appears to be present north of Building D.

1970 Aerial Photo

The features shown in the 1970 aerial are similar to what was shown in the 1965 aerial. However, there appears to be a second footbridge over Harbor Brook, south of Building B. The industrial facility (Bradley & Hubbard manufacturing facility) located to the north of Building D is still present.

1975 Aerial Photo

Buildings A, B, C, and D are shown on the property in this photo. The features shown in the 1975 aerial are similar to what was shown in the 1970 aerial. Hanover and Harbor Towers are present on the adjacent property to the north of the Factory H site, where the former Bradley & Hubbard industrial facility resided.

1980 Aerial Photo

Buildings A, B, C, and D are shown on the property. The amount of vegetation appears to have increased on the eastern side of Harbor Brook.

1986 Aerial Photo

Buildings A, B, and C are shown on property. Building D has been demolished.

1992 Aerial Photo

This photo is similar to the 1986 aerial. However, additional vegetation is shown on the site.

1995 Aerial Photo

This photo is similar to the 1992 aerial.

4.4 Historical Topographic Maps

Historical topographic maps for the site were obtained from the USGS for the years 1955, 1967, 1972, 1976, 1984, and 1992. The 1955 map shows the footprint of Factory H (Building A) as well as the former Parker Bros. Gun Works (Building D). The remaining maps do not show any buildings on the property. All other topographical features appear to be the same for all years.

5.0 Regulatory Agency Database Review

5.1 Description of Databases Reviewed

Environmental Data Resources (EDR) conducted a regulatory database review for the subject property and surrounding areas. A copy of the EDR report is provided in Appendix 4. This report discusses only facilities identified by EDR which are within the radii indicated below. All search radii are from the approximate location of the center of the site. The following database searches were conducted by EDR.

- **National Priority List (NPL)** for sites within a 1 mile radius of the subject facility. The NPL identifies sites for priority clean-up under the Superfund Program.
- **Proposed National Priority List (Proposed NPL)** for sites within a 1 mile radius of the subject facility. The Proposed NPL identifies sites proposed for the National Priority List.
- **Delisted NPL Sites** for sites within 1-mile radius of the subject site. Delisted NPL sites meet the criteria contained in the National Contingency Plan which EPA uses to delete sites from the NPL.
- **National Priority List Liens (NPL Liens)** for the subject facility. The NPL Liens identifies facilities for which the USEPA has filed liens against real property to recover remediation costs or potential liability costs.
- **Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS)** for sites within a ½ mile radius of the subject facility. CERCLIS contains sites which are either proposed to be or are on the NPL, and sites which are in the screening and assessment phase for possible inclusion on the NPL.

- **CERCLIS No Further Remedial Action Plan" (NFRAP) Sites** for sites within a ½ mile radius of the subject facility. NFRAP sites, which have been removed from CERCLIS, may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration.
- **RCRA Corrective Action Activity (CORRACTS)** for sites within a 1-mile radius of the subject facility. CORRACTS identifies RCRA facilities performing corrective action activities.
- **RCRA TSD** for sites within a ½ mile radius of the subject facility.
- **RCRA Lg. Quan. Gen.** for sites within a ¼ mile radius of the subject facility.
- **RCRA Sm. Quan. Gen.** for sites within a ¼ mile radius of the subject facility.
- **Emergency Response Notification System (ERNS)** for the subject facility. ERNS contains information on reported releases of oil and hazardous substances.
- **Comprehensive Environmental Response, Compensation, and Liability Act Consent Decrees (CONSENT)** for sites within a 1 mile radius of the subject facility. Major legal settlements for clean-up of NPL sites are released periodically by the US District Courts.
- **Facility Index System (FINDS)** searches various federal and state databases for the subject facility.
- **Hazardous Materials Information Reporting System (HMIRS)** for the subject facility. The HMIRS contains hazardous material spill incidents that are reported to the U.S. Department of Transportation.
- **Engineering Controls Sites List (US ENG CONTROLS)** for sites within a ½ mile radius of the subject facility. A listing of sites with engineering controls in place.

- **Sites with Institutional Controls (US INST CONTROL)** for sites within a ½ mile radius of the subject facility. A listing of sites with institutional controls in place.
- **Department of Defense Sites (DOD)** for sites within a 1 mile radius of the subject facility. A listing of federally owned or administered lands, administered by the DOD, that have any area equal to or greater than 640 acres of the U.S., Puerto Rico, or the Virgin Islands.
- **Formerly Used Defense Sites (FUDS)** for sites within a 1 mile radius of the subject facility. A list of Formerly Used Defense Sites properties where the US Army Core of Engineers is actively working or will take necessary actions.
- **Listing of Brownfields Sites (US BROWNFIELDS)** for sites within a ½ mile radius of the subject facility. A listing of brownfields sites.
- **Records of Decision (ROD)** for sites within a 1 mile radius of the subject facility. Records of Decision mandate a permanent remedy at an NPL site containing technical and health information to aid in the cleanup.
- **Uranium Mill Tailings Sites (UMTRA)** for sites within a ½ mile radius of the subject facility.
- **Open Dump Inventory (ODI)** for sites within a ½ mile radius of the subject facility. An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D criteria.
- **Toxic Chemical Release Inventory System (TRIS)** for the subject facility. The TRIS database identifies facilities which release toxic chemicals to the air, water and land in quantities reportable under SARA Title III, Section 313.
- **Toxic Substances Control Act (TSCA)** for the subject facility. The TSCA database identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list.

- **Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA)/TSCA Tracking System (FTTS)** for the subject facility. FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA, and EPCRA.
- **Section 7 Tracking Systems (SSTS)** for the subject facility. List of all registered pesticide-producing establishments.
- **PCB Activity Database System (PADS)** for the subject facility. The PADS database identifies generators, transporters, commercial stores and/or brokers and disposers of PCBs who are required to notify the USEPA.
- **Material Licensing Tracking System (MLTS)** for the subject facility. The MLTS contains facilities subject to licensing by the Nuclear Regulatory Commission (NRC).
- **Mines Master Index File (MINES)** for sites within a ½ mile radius of the subject facility. Contains all mine identification numbers issued for mines active or opened since 1971.
- **RCRA Administrative Action Tracking System (RAATS)** for the subject facility. RAATS contains records on enforcement actions, administrative and civil actions issued under RCRA.
- **Leaking Underground Storage Tanks** for sites within a ½ mile radius of the subject property. The LUST records contain an inventory of reported leaking underground storage tank incidents.
- **Underground Storage Tank** data for sites within a ¼ mile radius of the subject property. Registered USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program.
- **State Hazardous Waste Sites** for sites within a 1 mile radius of the subject facility. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list.

- **Site Discovery and Assessment (SDA) Database** for sites within a ½ mile radius of the subject facility. All sites reported to Permitting, Enforcement, and Remediation Division where it is suspected that hazardous waste may have been disposed or sites that are eligible for listing on the State Inventory of Hazardous Waste Disposal.
- **State Landfill Sites** for sites within a ½ mile radius of the subject facility. State landfill site records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. These may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.
- **Recycling Facilities (SWRCY)** for sites within a ½ mile radius of the subject facility. A list of recycling facilities.
- **Leachate and Waste Water Discharge Sources (LWDS)** for the subject site. This inventory of locations from the Leachate and Wastewater Discharge Source maps is compiled by the State of Connecticut. These maps locate discharges that have received a wastewater discharge permit from the state, historic waste sites, or locations of accidental spills, leaks, or other discharges.
- **Marine Terminals and Tank Information (AST)** for sites within a ¼ mile radius of the subject facility. A listing of bulk petroleum facilities that receive petroleum by a vessel.
- **CT Property** for the subject facility. This list is compiled by the State of Connecticut, and identifies properties listed in the Property Transfer Files with the State of Connecticut Department of Environmental Protection.
- **CT Spills** for the subject property. This database compiled by the State of Connecticut Department of Environmental Protection Oil and Chemical Spills Section, identifies reported oil and chemical spills in the State of Connecticut.
- **Brownfields** for sites within ½-mile radius of the subject property. Brownfields Inventory.

- **Enforcement Case Listings (ENF)** for sites within ½ mile radius of the subject property. Types of Enforcement Actions.
- **INST CONTROL** for sites within a ½ mile radius of the subject facility. Environmental Land Use Restriction Sites.
- **Voluntary Remediation Sites (VCP)** for sites within a ½ mile radius of the subject facility. Sites involved in the Voluntary Remediation Program.
- **INDIAN RESERV** for sites within a 1 mile radius of the subject facility. A list of Indian Reservations.

5.2 Summary of Database Findings

Of the database searches listed above, the subject site was identified in the LWDS, Brownfields, and SDA databases. In addition, files for the site were also found in CTDEP Spills (See Section 6.3). Facilities located in government databases within the radius search area of the site are listed in Table 2. Each site listed includes the name, address, location in relation to the site, and the databases identified. The location of neighboring sites with respect to general groundwater flow trends is also included. It is assumed that groundwater at the site flows toward the Harbor Brook; on the eastern portion of the site the groundwater flows to the west, while on the western portion of the site, groundwater flows to the east. Detailed information on the sites listed is included in the EDR report (Appendix 4).

Of the database searches listed above, twenty-two “Orphan Sites” were identified in the region. Orphan Sites are sites contained in one or more of the databases, which were not located by EDR due to poor or insufficient address information. Further details may be found on page 96 of the attached EDR report.

6.0 State File Review

M&E visited the public file room of the CTDEP in Hartford to review available files containing pertinent environmental information on the Factory H property and properties abutting the site. A brief summary of each of the records reviewed is provided below.

6.1 Pollution Abatement Order (PAO)

A PAO was issued by CTDEP (Order SRD-081) in 1997 to BL&A regarding contamination at the site. An escrow account was then established by BL&A to conduct stabilization activities at the site to address environmental conditions, which required immediate attention. CTDEP provided oversight of the account and how the funds were to be spent regarding the implementation of the stabilization actions (Ray Frigon, 2006). Stabilization actions were conducted (AEI, 2006) in 2005.

6.2 Notices of Violation

The site is not identified in the CTDEP Notices of Violation (NOV) files for Meriden.

6.3 Spill Reports

Spill records were reviewed at the CTDEP. On several occasions spills were reported at, or in the vicinity of, the site. The following are spill reports were filed for the site and abutting properties:

- Prior to 1990 (December 1974 to November 1987), several Oil & Chemical Spill Reports were filed for Harbor Brook, in the vicinity of the site, regarding minor spills or observed sheens on Harbor Brook. The source(s) of the sheens were unknown.
- Yankee Gas at 56 Cooper Street (February, 1995) – An underground storage tank, containing gasoline, failed a tightness test. An investigation was to be conducted by Yankee Gas. The Yankee Gas site is located down-gradient of the Factory H site and a release would not be suspected to affect the Factory H site.
- Cooper Street Bridge/Harbor Brook (May, 1995) – An oily sheen on the surface of Harbor Brook was observed and reported. The source of the sheen was attributed to storm runoff. No corrective actions were taken and the case remained open.
- Meriden Veterans' Hospital (February, 1998) – Less than 25 gallons of #6 fuel oil was spilled onto the ground due to a hose failure. It was cleaned up with absorbant pads, and the case was closed.

6.4 USTs/LUSTs

The site is not identified in either the CTDEP UST or LUST databases. However, according to Weston (1999), an estimated twelve USTs were reportedly located on the property. Detailed information regarding the size, contents, and locations of many of the USTs was not available. However, the following USTs were identified:

- two 20,000-gal. fuel oil tanks, near the eastern side of Building C (AOC-1)
- one 1,000-gal. kerosene tank, near the southeastern corner of Building A (AOC-2)
- one 10,000-gal. waste water tank, situated on the eastern side of Harbor Brook near Building B (AOC-3)
- one 275-gal. gasoline UST, near the southern side of Building C (AOC-4)
- two USTs of unknown size, located between Building A and Harbor Brook (AOC-5)
- five potential USTs of unknown size, located between Building A and Harbor Brook (AOC-6)
- Potential UST of unknown size, located just east of the former Building D (AOC-24)

As part of the CTDEP stabilization activities conducted in 2005, the following UST removal activities were conducted:

- assessment of the presence of potential/suspected underground storage tanks (UST) suggested by prior investigation, via ground penetrating radar and test pits
- removal and disposal of the contents of USTs identified on the site as follows:
 - two 20,000-gal. fuel oil tanks, near the eastern side of Building C (AOC-1)
 - one 1,000-gal. kerosene tank, near the southeastern corner of Building A (AOC-2)
 - one 10,000-gal. waste water tank, situated on the eastern side of Harbor Brook near Building B (AOC-3)
 - one 275-gal. gasoline tank, near the southern side of Building C (AOC-4)
- removal and disposal of the 10,000-gal. waste water UST (AOC-3)
- removal and disposal of the 275-gal. gasoline UST (AOC-4)

In addition, USTs/LUSTs were reportedly located on several abutting properties. These properties are listed on Table 2. The down-gradient Yankee Gas site had a gasoline LUST. The LUST was abandoned and a soil vapor extraction system was operated on the site in the mid-1990s. Three USTs located on the nearby Hanover Towers site, located at 76 Butler Street, were excavated and the UST facility was closed. A #2 fuel oil spill was reported, followed by subsequent removal of contaminated soil (EDR report).

Six ASTs, including a 150,000 gallon water tower, were present on the site. All of the ASTs, except for the water tower, were removed, pumped out, or were determined to contain water.

6.5 RCRA/Hazardous Waste Files

The site is identified in the CTDEP hazardous waste files for Meriden, Connecticut. Order No. SRD-037, issued by the CTDEP in 1992, required Insilco Corporation, the property owner at that time, to hire a consultant to perform an investigation of solid waste and all other wastes on the property with respect to soil, groundwater, and surface water pollution. Furthermore, the Order stipulated that the owner was to conduct remedial actions to address site contamination and perform subsequent monitoring to determine the effectiveness of the remediation efforts. No information was available regarding the status of this Order.

6.6 CECRLA/Superfund Files

The site is not identified in the CTDEP superfund files for Meriden, Connecticut.

6.7 Solid Waste Files

The site is identified in the CTDEP solid waste files for Meriden, Connecticut.

6.8 Water/Wastewater Files

The site is identified in the CTDEP water/wastewater files for Meriden, Connecticut. Copies of the following previous investigations were on file at CTDEP for the site:

- Advanced Environmental Interface. *Assessment of Site Environmental Conditions Report*, January 24, 1990.
- Roy F. Weston, Inc., International Silver co., Factory H, *Brownfields Targeted Site Assessment Final Report*, September 8, 1999.
- GZA GeoEnvironmental, Inc., *Supplemental Phase II, Environmental Site Evaluation, International Silver Company, Factory H Site, Meriden, Connecticut*, June 2000.
- Subsurface Information Surveys. *Ground Penetrating Radar Survey Results For The Investigation For The Location Of: Underground Storage Tanks & Utilities At: 77 Cooper St., Meriden, CT*, July 2005.
- Advanced Environmental Interface (AEI). *Removal Stabilization Activities Summary Report, Former International Silver Company/Insilco Factory H Site, Meriden, CT*, February 2006.

6.9 PCB Files

A location along Harbor Brook at the American Legion on Hanover Road is identified in the CTDEP PCB files. An oily sheen was observed in part of the brook, located downstream of the Factory H site on November 19, 1998. The location appeared to be related to a site use in the vicinity of the sample location. A soil sample was obtained by CTDEP along the brook and analyzed for PCBs, TPH, and PAHs. While the sample yielded detections for TPH and PAHs, no PCBs were detected. Therefore, the CTDEP PCB Program closed the case and referred the file to the Oil & Chemical Spills Department and the Water Enforcement Bureau.

6.10 Natural Diversity Database

The CTDEP Natural Diversity Database mapping (CTDEP, 2005) indicates that the site does not contain habitat and/or known sitings of threatened, endangered, or other critical species.

6.11 Price & Lee's City Directory

The Price & Lee's City Directory were reviewed through EDR. The Factory H site did not appear in the Directory. Street indices for 1948 (the earliest available through EDR), 1952, 1956, 1961, and 1967 (the latest on file through EDR) were reviewed. Records for Cooper Street were reviewed for each year.

- 1948: Properties listed appear to be commercial, residential, and utility.
- 1952: Properties listed appear to be commercial, residential, and utility.
- 1956: Properties listed appear to be commercial, residential, and utility.
- 1961: Properties listed appear to be commercial, residential, and utility.
- 1967: Properties listed appear to be commercial, residential, and utility.

7.0 Local Agency Records

Local agencies were contacted via telephone and visited on February 27, 2006 by M&E personnel to identify records of environmental concerns for the subject site. The local agencies contacted and the information they provided is as follows:

- ◆ The Fire Marshal's Office for the City of Meriden was contacted by telephone and visited by M&E personnel. No records regarding USTs were on file. The Office did have some correspondence on file regarding a spill on site that occurred in May 1995. The spill was oil product observed floating in Harbor Brook and emanating from a stream bank. The incident was referred to CTDEP.

- ◆ The Building Department for the City of Meriden was contacted by telephone and visited by M&E personnel. The Building Department had three permits on file for the site including: permit for installation of 700' of chain link fence, filed by BL&A; permit for demolition of a smokestack in July 2004, filed by Earth Technology, Inc.; and an electrical permit, filed by Schultz Electric, Inc. in April 2005. These permits were filed as part of the CTDEP removal/stabilization actions conducted in 2004-2005. No records regarding violations or environmental concerns were found for the site.
- ◆ The Planning Department for the City of Meriden was contacted by telephone and visited by M&E personnel. No records regarding violations or environmental concerns were on file for the site.
- ◆ Inland Wetlands files consisted of a Meriden Inland Wetlands and Watercourse Commission Agenda and a permit application by AEI Environmental to conduct CTDEP stabilization/remediation work within the 50 foot upland review area.
- ◆ The Engineering Department for the City of Meriden was contacted by telephone and visited by M&E personnel. Correspondence and a report documenting CTDEP remediation (stabilization) efforts in June 2005 were on file for the site.
- ◆ The Health Department for the City of Meriden was contacted via telephone. No environmental concerns were on file for the site.
- ◆ The Water Pollution Control Department was contacted by telephone regarding sewer records. No records related to the Factory H site were provided by the Water Pollution Control Department.

8.0 User Provided Information

Copies of the Weston (1999) and GZA (2000) reports were provided to M&E by the City of Meriden. These reports are also available at CTDEP.

9.0 Site Reconnaissance and Interviews

M&E conducted a visual reconnaissance of the facility on March 7, 2006. During this site visit, M&E performed a site inspection and reviewed the environmental conditions of the site. Observations from the site visit are noted on Figure 2 and photographs are included in Appendix 3.

9.1 Site Utilities

The site is connected to municipal water and sewer service, which are currently inactive. Underground natural gas, electric, and telephone utilities are on-site. The active underground gas lines are located in the vicinity of the brook; one buried gas line is located on each side of the brook. The buried gas line veers in a northeasterly direction away from the brook on the northern portion of the site, and in a direction approximately towards the apartment complex situated north of the site. No records of on-site septic, except for the reported dry well (Weston, 1999), were found.

9.2 Storage Tanks

9.2.1 Above-Ground Storage Tanks

With the exception of the 150,000 gallon water tower, no above-ground storage tanks (ASTs) were observed on-site during the site reconnaissance. However, ASTs were historically present on site and contents of ASTs were removed during the 2005 CTDEP removal actions (AEI report, 2006).

9.2.2 Underground Storage Tanks

Refer to section 6.4 for a discussion of USTs.

9.3 Hazardous Substances and Petroleum Products Storage

Based on visual observation during the site visit, no containers of hazardous material appeared to be present on site.

9.4 Waste Generation

Historically, alkali soaps, oils, copper, chromium, zinc, nickel, silver, acid and alkali solutions, and halogenated and non-halogenated solvents have been generated at the site as part of industrial activities and discharged to the sanitary sewer and Harbor Brook. However, the industrial operations at the site were reportedly discontinued prior to 1980.

9.5 Asbestos-Containing Materials

M&E did not conduct any inspection, inventory, survey, or sampling for asbestos containing material (ACM) as part of this assessment. However, ACM has been identified in Buildings A, B, and C, and on the steel-framed heat-transfer conveyance structure in the central portion of the site (GZA, 2000; CTDEP, 2005). As part of the CTDEP removal/stabilization activities, ACM was removed from the 2nd and 3rd floors of Building A. ACM soils were also removed from beneath the conveyance structure and from a pile near Building C, and disposed of off-site.

9.6 Lead-Based Paint

M&E did not conduct any inspection, inventory, survey, or sampling for lead-based paint (LBP) as part of this assessment. However, LBP was identified in Building A (GZA, 2000).

9.7 PCBs

M&E did not conduct any detailed inspection, inventory, survey, or sampling for PCBs in building materials as part of this assessment. However, potential sources of PCBs, including light ballasts (Building A – AOC-29), paints, and transformers (Building B – AOC-32), were identified (GZA, 2000). No oil stains or releases were observed during a visual inspection of the interior of Building B. No indications of a release of transformer oil were observed. In addition, surficial soils (to a depth of 2.5 FT) in the vicinity of Building B were removed and disposed off-site during the 2005 stabilization activities.

9.8 Neighboring Properties

Site reconnaissance included the visual inspection of neighboring properties; however, M&E personnel conducted the inspections without entering neighboring properties. Site reconnaissance did not visually identify significant environmental concerns on properties in the vicinity of the subject site. However, Louie's Autobody garage (AOC-30), adjacent to the southeastern portion of the site may be a potential source of contamination. In addition, the Yankee Gas facility, located across Cooper Street to the south of the site, reportedly has had releases of contamination on-site. However, the Yankee Gas property is located downgradient of the Factory H site and was not considered to be an AOC.

9.9 Interviews

During the course of this ESA, the following people were interviewed:

- Mr. Ray Frigon, of the CTDEP, regarding the stabilization/removal activities conducted at the site during 2005. Mr. Frigon provided details regarding the scope and nature of these activities.
- Ms. Maryellen Mordarski, Chairman of the Meriden Conservation (Land) Commission, regarding activities at the site related to environmental conditions at the site. Ms. Mordarski has been a resident for nearly 55 years at 65 Cherry Street, which is adjacent to the site. Ms. Mordarski indicated that dumping on the site and historic dumping of wastewaters into Harbor Brook may have occurred, but had no specific information concerning these issues.
- Mr. Louis Scionti, the owner of Louie's Auto Body, located at 55 Cooper Street and adjacent to the site, regarding activities related to environmental conditions at the site. Mr. Scionti stated that he does not remember any significant environmental issues related to the Factory H site. However, he did occasionally park a tow truck on the site.

10.0 Connecticut Property Transfer Act

Sections 22a-134 through 22a-134e of the CT General Statutes form the CT Property Transfer Act. This act, administered by CTDEP, requires the disclosure of environmental conditions when certain types of property are transferred. The law requires that any property considered an "establishment" must file the appropriate Property Transfer Forms with the CTDEP. An "establishment" is defined as any real property at which any of the following occurred:

- ◆ On or after November 19, 1980, more than 100 kilograms (220 pounds) of hazardous waste were generated in any one month (except as the result of remediation activities);
- ◆ Hazardous waste generated by another person or municipality at another site was recycled, reclaimed, reused, stored, handled, treated, or disposed;
- ◆ The process of dry cleaning was conducted on or after May 1, 1967;
- ◆ Furniture stripping was conducted on or after May 1, 1967;
- ◆ A vehicle body repair shop or vehicle painting shop is or was located on or after May 1, 1967.

A review of the available information for the site did not identify any dry cleaning, furniture stripping, or vehicle body repair/painting activities occurring at the site after May 1, 1967. The facility is not a registered hazardous waste generator.

Based on the information reviewed by M&E and summarized above, the site does not appear to meet the criteria of an "establishment". However, M&E recommends that environmental legal counsel be consulted to fully evaluate the applicability of CT Property Transfer Law to this site.

11.0 Conclusions

11.1 Findings and AOCs

From the work described herein, M&E has identified a list of AOCs. The attached Table 1 summarizes findings and AOCs that have been identified. Figure 2 shows the locations of these AOCs. These AOCs can be further summarized as follows:

1. Potential discharges from USTs may have resulted in impacts to soil, groundwater, and the brook sediments. Potential COCs are ETPH, VOCs, PAHs, cyanide, and metals.
The following USTs were identified:
 - two 20,000-gal. fuel oil tanks, near the eastern side of Building C (AOC-1)
 - one 1,000-gal. kerosene tank, near the southeastern corner of Building A (AOC-2)
 - one 10,000-gal. waste water tank, situated on the eastern side of Harbor Brook near Building B (AOC-3)
 - one 275-gal. gasoline UST, near the southern side of Building C (AOC-4)
 - two USTs of unknown size, located between Building A and Harbor Brook (AOC-5)
 - five potential USTs of unknown size, located between Building A and Harbor Brook (AOC-6)
 - Potential UST of unknown size, located just east of the former Building D (AOC-24)
2. Potential discharges from above-ground storage tanks (ASTs) may have resulted in impacts at the site. Six ASTs (AOCs 7-10), including a 150,000 gallon water tower, were present on the site. However, all of the ASTs, except for the water tower, were reportedly removed, pumped out, or were determined to contain water. No information regarding the water tower was obtained.
3. In the 1990s, several 55-gallon drums, containing unidentified waste, were observed to be staged on the exterior of Building A on the southwestern portion of the site. This was identified as AOC-11. COCs are VOCs, TPH, and metals.

4. Potential discharges and/or releases from the site, other industrial/urban sources in the surrounding area, or other possible upstream sources may have resulted in impacts to sediment in the brook (AOCs-12 and 26). Sediment and surface water sampling was performed in the brook during previous field investigation work and the results of this sampling show there were no significant levels of constituents detected in the samples. However, constituents such as metals were detected. Sediment removed from the brook in the future will require further characterization. COCs include metals, PAHs, TPH, and cyanide.
5. A possible dry well (AOC-13) was reportedly located near the central portion of the eastern half of the site. Potential discharges and/or releases from the dry well may have resulted. COCs include TPH, metals, and VOCs.
6. Several debris piles (AOC-15, SA-B, SA-C, and SA-M) and stockpiles related to the CTDEP stabilization activities (SA-F and SA-I) were historically located on-site. These stockpiles have been removed. However, impacts to underlying soil and groundwater may have resulted. COCs include metals, TPH, PAHs, VOCs, and asbestos.
7. As part of the 2005 stabilization activities conducted by CTDEP at the site, several areas of metals-impacted surficial soils, including the metal dust from the cyclone dust collectors located adjacent to Building A, were excavated and disposed of off-site (AOC-14, AOC-19, SA-E, SA-H, SA-O, SA-R, and SA-S). However, confirmatory soil sampling was generally not conducted to evaluate if underlying soils were impacted.
8. A chlorinated solvent groundwater plume and associated impacted-soils (AOC-17) have been documented to be present in the northeastern corner of the site. Although soil, groundwater, and soil gas sampling has been conducted, the source of the solvents has not been adequately defined. Based on historic groundwater sampling, significant concentrations of chlorinated solvents related to this solvent plume do not appear to be widespread across the site.
9. Potential sources of PCBs, including light ballasts, paints, (Building A – AOC-29) and transformers (Building B – AOC-32), were identified at the site (GZA, 2000). Some historic testing for PCBs in soil has been conducted and indicates that a significant

release of PCBs has not occurred. However, no oil stains or releases were observed during a visual inspection of the interior of Building B. No indications of a release of transformer oil were observed. In addition, surficial soils in the vicinity of Building B were removed and disposed off-site during the 2005 stabilization activities.

10. Based on historic testing, ACM has been identified to be present in Buildings A, B, and C (AOC-27, SA-N, SA-P, SA-Q, and SA-T). Asbestos assessments have been conducted and a portion of the known asbestos hazards have been abated; however, ACM still remains in a portion of Building A and asbestos-impacted soils have been observed to be present on-site (AOC-22, SA-D). The extent of ACM in the buildings and of asbestos-impacted soil in the vicinity of the on-site buildings has not been thoroughly evaluated.
11. Based on the age of the buildings/structures and some lead-abatement work already conducted, lead-based paint is assumed to be present (AOC-10, AOC-28, SA-N, SA-Q, and SA-T). The extent of lead-impacted soil in the vicinity of the on-site buildings has not been thoroughly evaluated.
12. It is anticipated that future site remediation/redevelopment activities may potentially involve significant re-grading and management of surficial soils. Potential discharges/releases to site-wide surficial soils (AOC-31) may have occurred as a result of site operations. Site-wide surficial soils should be evaluated by utilizing existing historical soil sampling data and any new soil data that is collected as part of future investigation activities.
13. It is anticipated that future site remediation/redevelopment activities may involve an evaluation of the quality of groundwater discharging to Harbor Brook and underlying potential developable portions of the site. Potential discharges/releases to site-wide groundwater (AOC-25) may have occurred as a result of site operations. Site-wide groundwater should be evaluated by utilizing existing historical groundwater sampling data and any new groundwater data that is collected as part of future investigation activities.

14. Miscellaneous AOCs include: petroleum-stained soil adjacent to the UST bunker at Building C (AOC-18), removed during the 2005 stabilization activities; contaminated wood flooring within Building A (AOC-20); stained concrete on the exterior of the northeastern corner of Building A (AOC-21); stained soil adjacent to Building A (AOC-23) removed during the stabilization of metals-impacted soil related to AOC-19; and an autobody shop adjacent the southeastern portion of the site (AOC-30). AOC-18 and AOC-23 have been addressed as part of the 2005 removal activities. However, confirmatory soil sampling is required to evaluate potential impacts to subsurface soils. AOC-20 and AOC-21 will be addressed as part of the anticipated future building demolition. Louie's Autobody shop, just southeast of the site, represents a potential source of off-site contamination that may have impacted the southeastern corner of the site.
15. It is recommended that potentially impacted soil beneath Building A (AOC-33) be further evaluated following demolition of the building.

11.2 Data Gaps

No significant data gaps were identified that hindered the ability to identify AOCs outside of Building A. However, additional Phase II/III testing is being conducted on-site as part of a separate phase of work to further evaluate the AOCs identified on Table 1 of this report. In addition, the environmental quality of soil and groundwater beneath Building A is not known; therefore it is recommended that this soil and groundwater be evaluated following the future demolition of Building A.

11.3 Environmental Professional's Opinion

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527 of the Insilco Factory H property located on Cooper Street in Meriden, Connecticut. Any exceptions to, or deletions from, this practice are described in Section 2.0 of this report. This assessment has revealed evidence of AOCs as identified on Table 1 and presented in Section 11.1.

Based on the observations and conclusions provided in this Phase I ESA report, it is M&E's opinion that AOCs have been identified at the site which warrants additional site investigation. AOCs identified in this Phase I ESA are included on Table 1.

11.4 Environmental Professional Statement

As required by 40 CFR 312.21, M&E declares that, to the best of our professional knowledge and belief, we meet the definition of environmental professional as defined in § 312.10 of 40 CFR 312 and we have the specific qualifications based on education, training, and experience to assess a property of the nature, history and setting of the subject property. We have developed and performed all the appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Catherine Nagel, Engineering Department

Lucas A. Hellerich, Ph.D., P.E., Senior Project Engineer

John L. Albrecht, L.E.P., Project Manager

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TABLES

TABLE 1
Summary of Areas of Concern
International Silver Company, Factory H
Meriden, Connecticut
Metcalf & Eddy, Inc.

No.	Area of Concern	Location	Description	Available Data	Completed Remedial Actions	Data Gaps
1	2 - 20,000-gallon USTs	East side of Building C	Reported to be steel construction and contained diesel fuel. Unknown installation date.	Upgradient soil boring & soil gas survey (Weston, 1998) and GPR Survey (AEI, 2005)	Contents of tanks pumped out (GZA, 2000)	No comprehensive soil or groundwater sampling has been performed in vicinity of tanks.
2	1 - 1,000-gallon UST	Southeast side of Building A	Reported to be steel construction and have contained kerosene. Unknown installation date.	No soil or groundwater data is available	Contents of tank pumped out (GZA, 2000) and empty concrete vault found	No comprehensive soil or groundwater sampling has been performed in vicinity of tanks.
3	1 - 10,000-gallon UST	Along Harbor Brook north of Building B	Reported to be steel construction and have contained metal finishing rinse and wastewater. Installed in 1970.	GPR Survey (AEI, 2005) and limited soil sampling data (CTDEP, Sept. 2005)	Tank removed in 2005	Tank was not formerly closed; however, a release from the UST does not appear to have occurred.
4	1 - UST of unknown size	South side of Building C	Contained gasoline; unknown construction and installation date.	Soil sampling of sidewalls and bottom of tank excavation (CTDEP, Sept. 2005)	Tank removed in 2005	There do not appear to be any data gaps. A release from the UST does not appear to have occurred.
5	2 - USTs of unknown size	Curbed areas along southeast side of Building A	Unknown construction, use, and installation date.	GPR Survey (AEI, 2005) No soil or groundwater data is available	1-1,000 gal UST cleaned and 1 UST grave found	No comprehensive soil or groundwater sampling has been performed in vicinity of tanks.
6	5 - USTs of unknown size	Fill pipes along northeast side of Building A	Unknown construction, use, and installation date.	Field observations GPR Survey (AEI, 2005) No tanks appeared to be present. No soil or groundwater data is available	None reported	Tanks could be beneath building. No comprehensive soil or groundwater sampling has been performed in vicinity of tanks.
7	2 - 200-gallon ASTs	Ground floor of Building C	Reported to be steel construction. Unknown use and installation date.	Observations	Reported to have been pumped out / removed (email dated 1-30-06)	None
8	1 - 1,500-gallon AST	Ground floor of Building C	Reported to be concrete construction. Unknown use and installation date.	Observations	Reported to have been pumped out / removed (email dated 1-30-06)	None
9	2 - 300-gallon ASTs	North and west side of ground floor of Building A	Reported to be concrete construction. Unknown use and installation date.	Tanks are suspected to contain water (GZA, 2000).	None reported	Tanks have unknown contents, but are suspected to contain water.
10	1 - 150,000-gallon AST (Water tower)	South of Building C	Reported to be steel construction. Unknown installation date.	None	None reported	Presence of lead paint in surficial soils in vicinity of water tower is unknown

TABLE 1
Summary of Areas of Concern
International Silver Company, Factory H
Meriden, Connecticut
Metcalf & Eddy, Inc.

No.	Area of Concern	Location	Description	Available Data	Completed Remedial Actions	Data Gaps
11	11 - 55-gallon drums	Throughout southwestern portion of property	HRP observed four empty drums, and seven partially-filled drums containing unidentified wastes.	Sampling of drum contents (Weston, 1998)	Drums were removed	No soil or groundwater sampling; however, no staining or visual impacts were noted during 2006 site visit
12	Discharge pipes	East of Building A along Harbor Brook	Pipes formerly discharged wastewater from Building A to Harbor Brook.	Limited sediment and surface water sampling (Weston, 1998) is available.	None reported	The existing data indicates that the sediment can be dredged and stockpiled. Dredged sediment will need some additional characterization following dredging.
13	Dry well	Southeast of Building B	Unknown materials may have been disposed of via the dry well.	Soil and groundwater sampling conducted at MW-14 (Weston, 1998)	None reported	No comprehensive soil or groundwater sampling has been performed in vicinity of dry well; however, a significant release does not appear to have occurred
14	Dust piles	East of Building A under dust collectors	Piles of dust generated from facility's former silver polishing dust collection system.	Sampling of dust pile contents	Dust collectors cleaned and dust piles removed in 2005. Top 2 ft of soil beneath dust collectors removed in 2005. Excavations were backfilled with stone.	Contaminated soil beneath 2 ft bgs has not been fully characterized.
15	Debris piles	East of Harbor Brook and southwest corner of property	Several piles of earthen material, scrap, and debris.	None	Debris piles removed in 2005.	No soil sampling has been performed for this AOC
16	Debris pile	Southwest side of Building A	Pile of medical glass slides near the building dock of Building A.	None	None reported	No characterization data has been collected
17	Contaminated soil	Northeast corner of property in vicinity of former Building D	Approximately 5,600 ft ² of chlorinated solvent contaminated soil (to a depth of at least 15 ft below ground surface).	Soil and groundwater sampling and soil gas survey (Weston, 1998)	None reported	Source has not been adequately defined.
18	Contaminated soil	Area adjacent to Building C	15 ft ² of fuel oil stained soil (noted by Weston, 1999).	None	Oil stained soil removed in 2005	No soil sampling has been performed for this AOC

TABLE 1
Summary of Areas of Concern
International Silver Company, Factory H
Meriden, Connecticut
Metcalf & Eddy, Inc.

No.	Area of Concern	Location	Description	Available Data	Completed Remedial Actions	Data Gaps
19	Contaminated soil	Under dust piles east of Building A.	1,600 ft ² of green stained soils contaminated with metals from overlying dust piles.	Soil sampling data (Weston, 1998; GZA, 2000; and CTDEP (2005)	Top 2 ft of soil beneath and in vicinity of dust collectors removed in 2005.	Contaminated soil and groundwater beneath 2 ft bgs has not been fully characterized.
20	Contaminated wood floor	South end of Building A	30 ft ² of oil stained wooden floor.	None	None reported	Wood floor has not been characterized
21	Stained concrete	North end of Building A	40 ft ² of stained concrete floor.	None	None reported	Stained concrete has not been characterized
22	Debris pile	Adjacent to smoke stack south of Building C	10 ft ² of deteriorated insulation material, possibly asbestos-containing material.	None	Debris pile removed.	No soil sampling has been performed for this AOC; however, removal of pile was confirmed through visual observation.
23	Stained soil	East of Building A	10 ft ² of paint stains.	Soil sampling data (Weston, 1998; GZA, 2000; and CTDEP (2005)	Top 2 ft of soil beneath and in vicinity of dust collectors removed in 2005.	None
24	Possible UST	West side of former Building D	Possible UST identified by ICF Kaiser Engineers	Soil gas survey and groundwater sampling data at MW-7, a nearby well (Weston, 1998)	None reported	No comprehensive soil or groundwater sampling has been performed in vicinity of UST.
25	Contaminated groundwater	Various portions of property	Groundwater contaminated with chlorinated solvents have been documented in various portions of site.	Groundwater sampling data (Weston, 1998; Milone & MacBroom; GZA, 2000)	None reported	See AOCs 1, 2, 3, 5, 6, 13, 17, 19, 24, and 30.
26	Contaminated surface water and sediments	Harbor Brook	Process wastewater is known to have been discharged to Harbor Brook	Limited sediment and surface water sampling (Weston, 1998) is available.	None reported	The existing data indicates that the sediment can be dredged and stockpiled. Recommend additional characterization for handling/disposal of sediment as part of dredging project.
27	Asbestos containing materials	Throughout building interiors	Asbestos-containing pipe insulation, floor tiles and roof shingles have been identified in on-site buildings	N/A	N/A	N/A
28	Lead paint	Throughout building interiors	Peeling paint noted in on-site buildings.	N/A	N/A	N/A
29	Fluorescent light ballasts	Throughout building interiors	Fluorescent light ballasts may contain hazardous metals and PCBs.	N/A	N/A	N/A

TABLE 1
Summary of Areas of Concern
International Silver Company, Factory H
Meriden, Connecticut
Metcalf & Eddy, Inc.

No.	Area of Concern	Location	Description	Available Data	Completed Remedial Actions	Data Gaps
30	Louie's Auto shop (55 Cooper St.)	Down-gradient of Louie's Auto.	Louie's Auto shop may be an upgradient source of groundwater contamination.	None	None reported	The groundwater down-gradient of Louie's Auto shop has not been characterized. Suspected flow direction is southeast and is not anticipated to significantly impact the Site. However, no data has been collected to confirm flow direction.
31	Site-wide surficial soils	Throughout site.	Site-wide soil may need to be managed as part of site redevelopment activities.	Limited surficial soil data is available.	In vicinity of dust collectors	Comprehensive characterization of site-wide surficial soils has not been conducted.
32	Building B	In building interior.	Electrical transformers located in building may contain PCBs.	None	None reported	The interior of Building B has not been adequately characterized.
33	Subsurface Soils and Groundwater Beneath Building A	Building A	Releases may have occurred resulting in impacts to soil and groundwater located beneath Building A.	Limited sampling data collected by GZA (2000).	None reported	Subsurface conditions beneath Building A have not been adequately characterized.
SA-A	Stabilization Area A Smokestack Removed	No further action proposed for this AOC				
SA-B	Stabilization Area B Contaminated Soil Piles Removed (AOC-15)	Between former smokestack and 10,000 gal. UST	Location of former contaminated soil piles, which were comprised of street sweepings, pavement, concrete, stumps, etc.	No soil or groundwater data is available	Piles removed	No soil sampling has been performed for this AOC
SA-C	Stabilization Area C Asphalt Piles Removed	East of Stabilization Area B	Location of former asphalt piles	No soil or groundwater data is available	Piles removed	No soil sampling has been performed for this AOC
SA-D	Stabilization Area D Asbestos-Impacted Soil Removed	Underneath former elevated heat transfer line	Asbestos-impacted soils	Limited soil sampling data is available	Visually impacted soil removed	No confirmatory soil sampling has been performed for this AOC
SA-E	Stabilization Area E Metal-Impacted Soil Removed	Underneath former elevated heat transfer line and west of former smokestack	Metal dust-impacted soil	Limited soil sampling data is available	Visually impacted soil removed	No comprehensive or confirmatory soil sampling has been performed for this AOC
SA-F	Stabilization Area F Impacted Soil Stockpile Staging Area #1	Located along eastern site boundary	Staging area during 2005 stabilization activities. Materials were staged on plastic sheeting.	No soil or groundwater data is available	Stockpile removed in 2005.	Quality of surficial soil is not known in this area. These samples may be utilized as part of the evaluation of site-wide soils.

TABLE 1
Summary of Areas of Concern
International Silver Company, Factory H
Meriden, Connecticut
Metcalf & Eddy, Inc.

No.	Area of Concern	Location	Description	Available Data	Completed Remedial Actions	Data Gaps
SA-G	Stabilization Area G 10,000-gal. Waste Water UST Removed (AOC-3)			See AOC-3		

TABLE 1
Summary of Areas of Concern
International Silver Company, Factory H
Meriden, Connecticut
Metcalf & Eddy, Inc.

No.	Area of Concern	Location	Description	Available Data	Completed Remedial Actions	Data Gaps
SA-H	Stabilization Area H Metal-Impacted Soil Removed	Adjacent to and north of 10,000-gal. waste water UST	Metal dust-impacted soil	Limited soil data is available	Visually impacted soil removed	No comprehensive or confirmatory soil sampling has been performed for this AOC
SA-I	Stabilization Area I Impacted Soil Stockpile Staging Area #2 (Part of AOC-15)	Located along eastern site boundary	Staging area during 2005 stabilization activities. Materials were staged on plastic sheeting. However, AOC-15 was also located in this area.	No soil or groundwater data is available	Stockpile removed in 2005.	Quality of surficial soil is not known in this area. These samples may be utilized as part of the evaluation of site-wide soils.
SA-J	Stabilization Area J 275 Gal. Gasoline UST Removed			See AOC-4		
SA-K	Stabilization Area K Oil-Stained Soil Removed			See AOC-18		
SA-L	Stabilization Area L 2x20,000-gal. #6 Oil Tanks Cleaned			See AOC-1		
SA-M	Stabilization Area M Impacted-Soil and Fire Debris Pile Removed (AOC-15)	In location of former Building D	Pile of impacted soil and fire debris	No soil or groundwater data is available	Visually impacted soil and debris pile removed	No comprehensive or confirmatory soil sampling has been performed for this AOC
SA-N	Stabilization Area N Building "C" Asbestos and Lead Abatement Work	At Building C	Removal of lead- and asbestos-containing materials	No surficial soil data for soil in vicinity of building is available	Lead and asbestos abated in building	No soil sampling has been performed for this AOC
SA-O	Stabilization Area O Impacted-Soil and Debris Pile Removed	Just southeast of footbridge	Pile of impacted soil and debris	No soil or groundwater data is available	Visually impacted soil and debris pile removed	No comprehensive or confirmatory soil sampling has been performed for this AOC
SA-P	Stabilization Area P Asbestos Roof Removed from UST Bunker	At UST bunker located adjacent to Building C	Removal of asbestos-containing materials	No surficial soil data for soil in vicinity of building is available	Asbestos abated	No soil sampling has been performed for this AOC
SA-Q	Stabilization Area Q Building "B" Asbestos and Lead Abatement Work	At Building B	Removal of lead- and asbestos-containing materials	No visual impacts were observed.	Surficial soil removed on western side of building	None - eastern side of building is concrete bridge.
SA-R	Stabilization Area R Metals-Impacted Soils Removed and Stone Cover Installed			See AOCs-14 and -19		

TABLE 1
Summary of Areas of Concern
International Silver Company, Factory H
Meriden, Connecticut
Metcalf & Eddy, Inc.

No.	Area of Concern	Location	Description	Available Data	Completed Remedial Actions	Data Gaps
SA-S	Stabilization Area S Sump Cleaned of Metal-Impacted Sludge	Adjacent to Building A near Building B	Depression in soil that contained metal-impacted sludge	Soil sampling data is available.	Metal-impacted sludge removed	No groundwater data is available
SA-T	Stabilization Area T Building "A" 2nd & 3rd Floor Asbestos Abatement Work - Address other Portions of Building	At Building A	Removal of asbestos-containing materials	No surficial soil data for soil in vicinity of building is available	Asbestos abated in building	Limited sampling has been conducted for this AOC.
SA-U	Stabilization Area U 1,000-gal. Heating Oil UST Cleaned			See AOC-5		
SA-V	Stabilization Area V UST Grave Found (No UST)			See AOC-5		
SA-W	Stabilization Area W Empty Concrete Vault Found			See AOC-2		

Notes:

SA = CTDEP stabilization area
UST = underground storage tank.
AST = aboveground storage tank.
ft² = square feet.
PCBs = polychlorinated biphenyls.
N/A = not applicable.

**Table 2. Summary of Potential Environmental Hazard Sources from
Federal and State Environmental Databases
INSILCO - Factory H, Meriden, CT**

Site Name	Site Address	Map ID	Location and Elevation Relative to Site	Database Containing Site	Nature and Status of Site	Risk to Site
Target Property	77 Cooper Street Meriden, CT	A1	Onsite	LWDS	Misc. Surface Leachate, inactive	High
		A2		Brownfields	CT Brownfields	Unknown
		A3		SDADB	Spill/Dump of Chlorinated VOCs and Metals	High
Meriden Area Work Center	56 Cooper Street	B4	South, <1/8 mile, Lower elevation	UST	5 tanks, all closed in - place; 100 gal - Used Oil; 2 -3000 gal and 2 -4000 gal - Gasoline	Moderate - High
Meriden Service Center		B5		RCRA -SQG, FINDS, CT Spills, CT PROPERTY, SDADB	5 violation records recorded for site: generator - pre - transport requirements, waste tanks - tank management, haz. waste determinations, generator inspection schedule & log, and generator - other requirements; motor oil spill reported (2002); container failure, mastic spilled to pavement , speedi dri applied and removed (2001); Property transfer Form III when a discharge, spillage, uncontrolled loss, seepage or filtration of haz. waste has occurred at parcel that has not been fully remediated or the environmental conditions at parcel are unknown; Submittal of site characterization of tank failure (1995) indicated soil contamination, no free product. 3 GW monitoring wells installed, 2 tanks to be abandoned in place	Low
Hanover Towers	76 Butler Street	C6	North, <1/8 mile, Lower elevation	LUST, CT Spills	Incident date 08/08/97, no additional information reported; #2 fuel oil spill, 2 -20,000 gal USTs and soil contamination removed	Moderate - High
		C7		UST	1 -20000 gal - heating oil, tank removed from ground; 1 - 1000 gal - diesel, tank removed from ground; 1 -1000 gal - diesel, tank currently in use; 1 -20000 gal - heating oil, tank currently in use; 1 - 20000 gal - heating oil, tank removed from ground	Moderate - High
Vacant	35 Meridian Street	D8	SSW, <1/8 mile, Higher elevation	UST	1 - 1000 gal - heating oil, removed	Moderate
Personal Expressions		D9		CT PROPERTY, SDADB	Form I - no release of haz. waste has occurred at parcel being transferred	Low
Kogut Nursery	Yale Avenue	E10	NNW, <1/8 mile, Lower elevation	UST	1 -4000 gal - gasoline, currently in use; 1 - 4000 gal - gasoline, removed; 1 - 4000 gal - gasoline, removed; 1 - 4000 gal - gasoline, removed; 1 -2000 gal diesel, currently in use	Moderate - High
Meriden Medical Center	Cook Avenue	11	NW, 1/8 -1/4 mile, Lower elevation	UST	1 - 10000 gal - gasoline, currently in use	Moderate - High
Tooling Technology, Inc.	26 Cherry Street	12	ENE, 1/8 -1/4 mile, higher elevation	UST	1 -1000 gasoline, removed	Low
Kwik Mart	80 Cook Avenue	E13	NNW, 1/8 -1/4 mile, lower elevation	UST	1 -6000 gal - gasoline, currently in use; 1 - 6000 gal - gasoline, currently in use; 1 - 6000 gal - gasoline, tank removed from ground; 1 - 6000 gal - gasoline, tank removed from ground; 1 - 6000 gal - gasoline, tank removed from ground	Moderate - High

**Table 2. Summary of Potential Environmental Hazard Sources from
Federal and State Environmental Databases
INSILCO - Factory H, Meriden, CT**

Site Name	Site Address	Map ID	Location and Elevation Relative to Site	Database Containing Site	Nature and Status of Site	Risk to Site
Mid State Medical Center	1 King Place	F14	West, 1/8 -1/4 mile, higher elevation	ENF, Brownfields	2.7 acres - former hospital; NOV issued by Bureau of Air Management	Low
Veterans Memorial Medical Center, West		F15		UST	1 - 20000 gal - heating oil, closed in place; 1 -15000 gal - heating oil, currently in use; 1 - 2000 gal - gasoline, currently in use; 1 -2000 gal - heating oil, currently in use; 1 - 5000 gal - heating oil, currently in use; 1 -10000 gal - heating oil, currently in use	Low - Moderate
Meriden Gas Light Co.	Cooper Street	16	South, 1/8 -1/4 mile, lower elevation	Manufactured Gas Plants	No Info. Given	Unknown
Firestone Store 7056	72 Cook Avenue	G17	NNW, 1/8 -1/4 mile, lower elevation	RCRA -SQG, FINDS	Small quantity generator, no violations	Low
		G18		UST	1 -500 gal - used oil, removed; 1 - 2000 gal - heating oil, removed	Low
Motor Vehical Dept, (Butler St. Fire)	47 Butler Street	19	North, 1/8 -1/4 mile, lower elevation	UST	1 -1000 gal - gasoline, removed	Low
Southern New England Tele. Co.	27 Butler Street	H20	North, 1/8 -1/4 mile, higher elevation	RCRA -SQG, FINDS	Small quantity generator, no violations; AIRS Facility System, RCRA	Low
Meriden Central Office (7801)		H21		UST	1 -5000 gal - kerosene, currently in use; 1 -10000 gal - heating oil, currently in use; 1 -10000 gal - gasoline, currently in use; 1 -10000 gal - gasoline, removed; 1 -1500 gal - gasoline, removed; 1 -10000 gal - heating oil, removed; 1 -5000 gal - kerosene, currently in use; 1 -5000 gal - kerosene, currently in use	Moderate
Meriden Post Office	87 Colony Street	22	ENE, 1/8 -1/4 mile, higher elevation	UST	1 -6000 gal - heating oil, removed	Low
SNET	25 Butler Street	H23	North, 1/8 -1/4 mile, higher elevation	CT PROPERTY, SDADB	Form I - no release of haz. waste has occurred at parcel being transferred	Low
Spencer's Garage	274 Cook Avenue	24	SSW, 1/8 -1/4 mile, lower elevation	CT PROPERTY, SDADB	Form II - when a discharge, spillage, uncontrolled loss, seepage or filtration of haz. waste has occurred, but a cleanup has been completed and approved in writing by the Commissioner or has been verified by a LEP to have been performed in accordance with remediation standards. Written documentation must accompany submission of the Form II. No approval/verification reported.	Low - Moderate
Harbor Towers Lim. Part.	60 Hanover Street	25	NNE, 1/8 -1/4, lower elevation	UST	1 -15000 gal - heating oil, tank removed from ground; 1 - 10000 gal - diesel, tank removed from ground; 1 -1000 gal - diesel, tank removed from ground; 1 -1000 gal - diesel, currently in use; 1 -20000 gal - heating oil, currently in use	Low - Moderate
Modern Home Construction	292 Cook Avenue	26	SSW, 1/8 -1/4 mile, lower elevation	UST	1 -2000 gal - gasoline, closed in place; 1 -3000 gal - gasoline, currently in use	Low

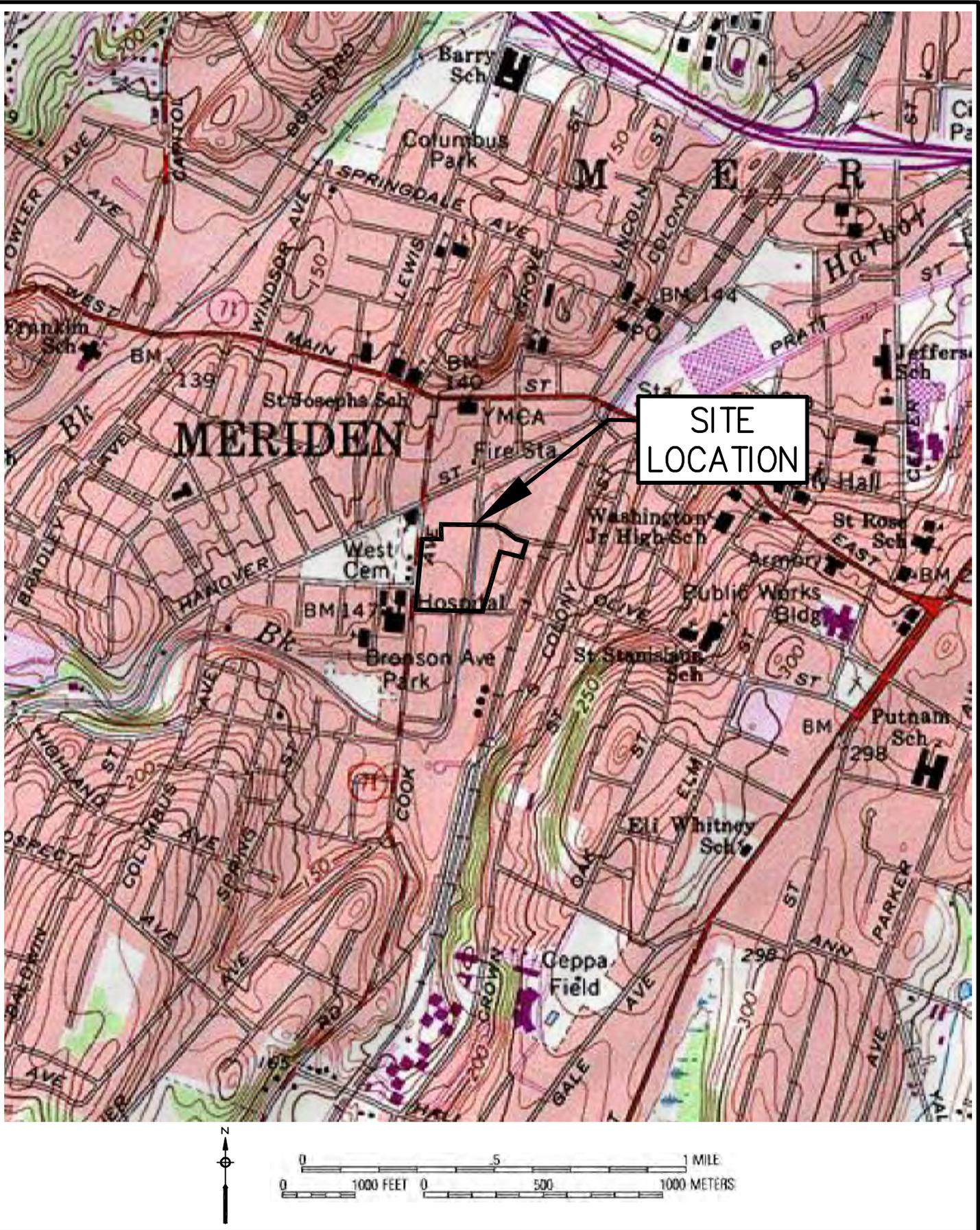
**Table 2. Summary of Potential Environmental Hazard Sources from
Federal and State Environmental Databases
INSILCO - Factory H, Meriden, CT**

Site Name	Site Address	Map ID	Location and Elevation Relative to Site	Database Containing Site	Nature and Status of Site	Risk to Site
Colonial Custom Cleaners	9 Butler Street	27	North, 1/4 -1/2 mile, higher elevation	RCRA -SQG, FINDS, CT PROPERTY, SDADB	3 violation records reported for site: haz. waste determinations, 2 generator pre -transport requirements; CT Property Transfer Form III when a discharge, spillage, uncontrolled loss, seepage or filtration of haz. waste has occurred at parcel that has not been fully remediated or the environmental conditions at parcel are unknown; oil & PCE spill/dump to ground	Moderate - High
Meriden Senior Center	22 West Main Street	28	NNE, 1/4 -1/2 mile, higher elevation	LUST	Incident date 1/13/89, no additional info. reported	Unknown
The Meriden Record Co.	11 Crown Street	29	NE, 1/4 -1/2 mile, higher elevation	SDADB	Spill/dump of chemical liquid/sludges	Moderate
CT National Bank	1 West Main Street	30	NE, 1/4 -1/2 mile, higher elevation	LUST	Incident date 1/30/90, no additional info. reported	Unknown
Zimmerman, Joseph M.D.	319 Hanover Street	31	West, 1/4 -1/2 mile, higher elevation	CT PROPERTY, SDADB	Form I - no release of haz. waste has occurred at parcel being transferred	Low
Unknown	231 West Main Street	32	NNW, 1/4 -1/2 mile, higher elevation	LUST, CT Spills	Incident date 9/28/98, #2 fuel oil, 550 gal LUST removed, no free product	Moderate
Office Complex	95 East Main Street	33	ENE, 1/4 -1/2 mile, higher elevation	LUST	Incident date 11/10/92, no additional info reported	Unknown
Duffy Property	382 Cook Avenue	34	SSW, 1/4 -1/2 mile, lower elevation	SDADB	Spill/Dump of Chlorinated VOCs and Metals in drywell	Low
Guest Company Inc.	49 Elm Street	35	East, 1/4 -1/2 mile, higher elevation	CT PROPERTY, SDADB	Form I - no release of haz. waste has occurred at parcel being transferred	Low
American Oil Change Corp.	321 -327 West Main Street	36	NW, 1/4 -1/2 mile, lower elevation	CT PROPERTY, SDADB	Form I - no release of haz. waste has occurred at parcel being transferred	Low
Meriden Water Pollution Control Facility	Evansville Road	37	ENE, 1/4 -1/2 mile, higher elevation	CT Spills, UST, SDADB	Spill/dump of POTW Bypass, Unknown amount larger than 10 gal; 1 -2000 gal - gasoline, tank removed from ground; 1 -5000 gal - gasoline, tank removed from ground; 1 -2500 gal - gasoline, tank removed from ground; 1 -1000 gal - diesel, tank removed from ground; 1 -2000 gal - diesel, tank removed from ground; 1 -2000 gal - heating oil, tank removed from ground; 1 -500 gal - heating oil, tank removed from ground; 1 -1500 gal - diesel, tank removed from ground	Moderate
J.B. Coggins	Not Given	38	ENE, 1/2 -1 mile, higher elevation	LWDS	Metal hydroxide sludge lagoon to be excavated and closed, HWMR monitoring required, inactive	Moderate - High
Penbeck Oil Co.	Not Given	39	NW, 1/2 -1 mile, higher elevation	LWDS	Gas station line leak, inactive	Low
Quinlan Russell	5 Cross Street	40	NE, 1/2 -1 mile, lower elevation	RCRA -SQG, FINDS, RCRA -TSD, RAATS, CORRACTS, CERC -NFRAP	Facility or area assigned a medium corrective action priority; 16 violation records reported at site (see EDR for complete list)	Low - Moderate

**Table 2. Summary of Potential Environmental Hazard Sources from
Federal and State Environmental Databases
INSILCO - Factory H, Meriden, CT**

Site Name	Site Address	Map ID	Location and Elevation Relative to Site	Database Containing Site	Nature and Status of Site	Risk to Site
J.B. Coggins	Not Given	41	NE, 1/2 -1 mile, lower elevation	LWDS	Treated industrial discharge, active	Low
J.B. Coggins Co.	5 Cross Street	42	NNE, 1/2 -1 mile, higher elevation	SHWS, SDADB	All waste (metals, MOH sludge) removed pursuant to CT haz. waste management regs.	Low - Moderate
Meriden	Not Given	43	East, 1/2 -1 mile, higher elevation	LWDS	Covered salt storage on asphalt/concrete, active	Low
MRM Industries	Not Given	44	North, 1/2 -1 mile, higher elevation	LWDS	Treated industrial discharge, active	Low
Meriden Water Dept. (Cuno)	Not Given	45	WNW, 1/2 -1 mile, lower elevation	LWDS	Public well contaminated with solvents, active	Moderate
Sweeds Auto Wrecking Co.	Not Given	46	SSW, 1/2 -1 mile, higher elevation	LWDS	Contamination with solvents, active	Low
As U Like It Cleaners	518 West Main Street	47	WNW, 1/2 -1 mile, lower elevation	SHWS, SDADB	PCE in dry well, chlorinated VOCs spilled/dumped in drywell	Low - Moderate
Drum Silver	Not Given	48	WNW, 1/2 -1 mile, lower elevation	LWDS	Metals, hydrocarbon contamination, inactive	Moderate
Miller Co.	Not Given	49	ENE, 1/2 -1 mile, higher elevation	LWDS	Treated industrial discharge and cooling water, active	Moderate

FIGURES



METCALF & EDDY | AECOM

CITY OF MERIDEN, CONNECTICUT
INTERNATIONAL SILVER COMPANY, FACTORY H
77 COOPER STREET
MERIDEN, CT

FIGURE 1 – SITE LOCATION MAP

AS NOTED

DATE: MAR. 2006

APPENDIX 1
STATEMENT OF LIMITATIONS

STATEMENT OF LIMITATIONS

The data presented and the opinions expressed in this report are qualified as follows:

1. The sole purpose of the investigation and of this report is to assess the physical characteristics of the Site with respect to the presence or absence in the environment of oil or hazardous materials and substances as defined in the applicable state and federal environmental laws and regulations and to gather information regarding current and past environmental conditions at the Site.
2. Metcalf & Eddy (M&E) derived the data in this report primarily from visual inspections, examination of records in the public domain, and interviews with individuals with information about the Site. The passage of time, manifestation of latent conditions or occurrence of future events may require further exploration at the Site, analysis of the data, and reevaluation of the findings, observations, and conclusions expressed in the report.
3. In preparing this report, M&E has relied upon and presumed accurate certain information (or the absence thereof) about the Site and adjacent properties provided by governmental officials and agencies, the Client, and others identified herein. Except as otherwise stated in the report, M&E has not attempted to verify the accuracy or completeness of any such information.
4. The data reported and the findings, observations, and conclusions expressed in the report are limited by the Scope of Services. The Scope of Services, was defined by the requests of the Client, the time and budgetary constraints imposed by the Client, and the availability of access to the Site.
5. Because of the limitations stated above, the findings, observations, and conclusions expressed by M&E in this report are not, and should not be considered, an opinion concerning the compliance of any past or present owner or operator of the site with any federal, state or local law or regulation. No warranty or guarantee, whether express or implied, is made with respect to the data reported or findings, observations, and conclusions expressed in this report. Further, such data, findings observations, and conclusions are based solely upon site conditions in existence at the time of investigation.
6. This report has been prepared on behalf of and for the use of the Client, and is subject to and issued in connection with the Agreement and the provisions thereof.

APPENDIX 2

QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONAL

Phase I Environmental Site Assessment Staff

Catie Nagel, BS Civil Engineering, Villanova University, 2002. Approximately 4 years of environmental consulting experience at M&E performing a variety of work, including Phase I ESA research, report preparation, site assessments, field investigations, and remediation oversight.

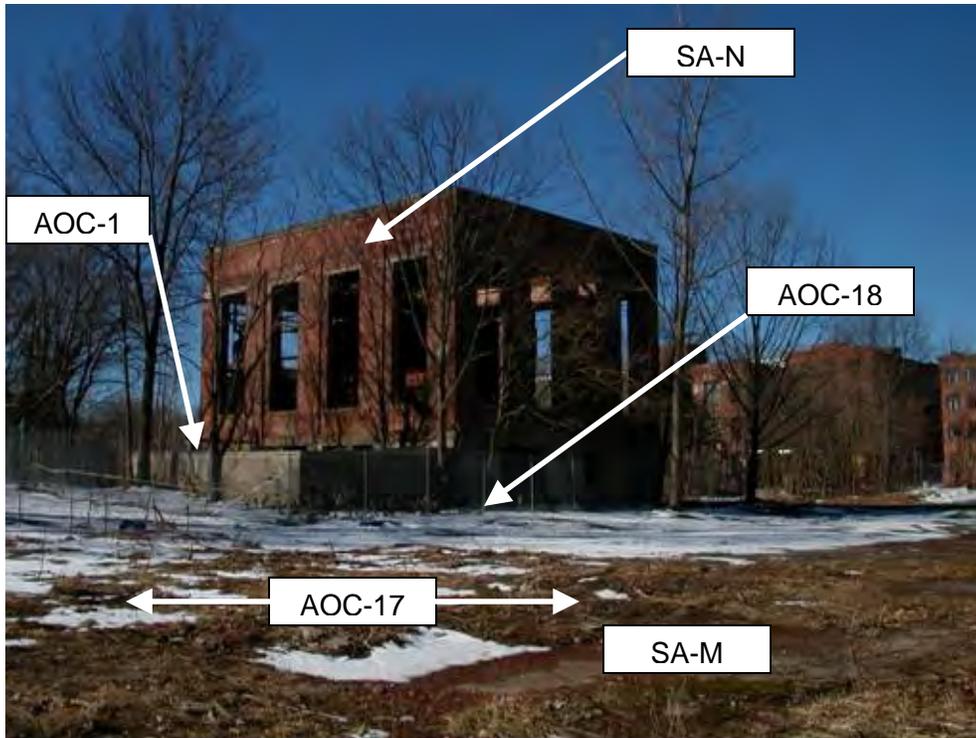
Lucas Hellerich, PE, PhD Environmental Engineering, University of Connecticut, 2004. Nearly 7 years of environmental consulting experience, including over 5 years with M&E. Experience encompasses a wide variety of environmental projects including environmental site assessments, environmental field investigations, and Phase I ESA research and report preparation.

John Albrecht, LEP, BS Natural Resource Management/Environmental Science, University of Connecticut, 1992. Nearly 14 years of environmental consulting experience, including over 10 years with M&E. Experience encompasses a wide variety of environmental projects and includes conducting more than 50 Phase I ESAs.

APPENDIX 3

SITE PHOTOGRAPHS

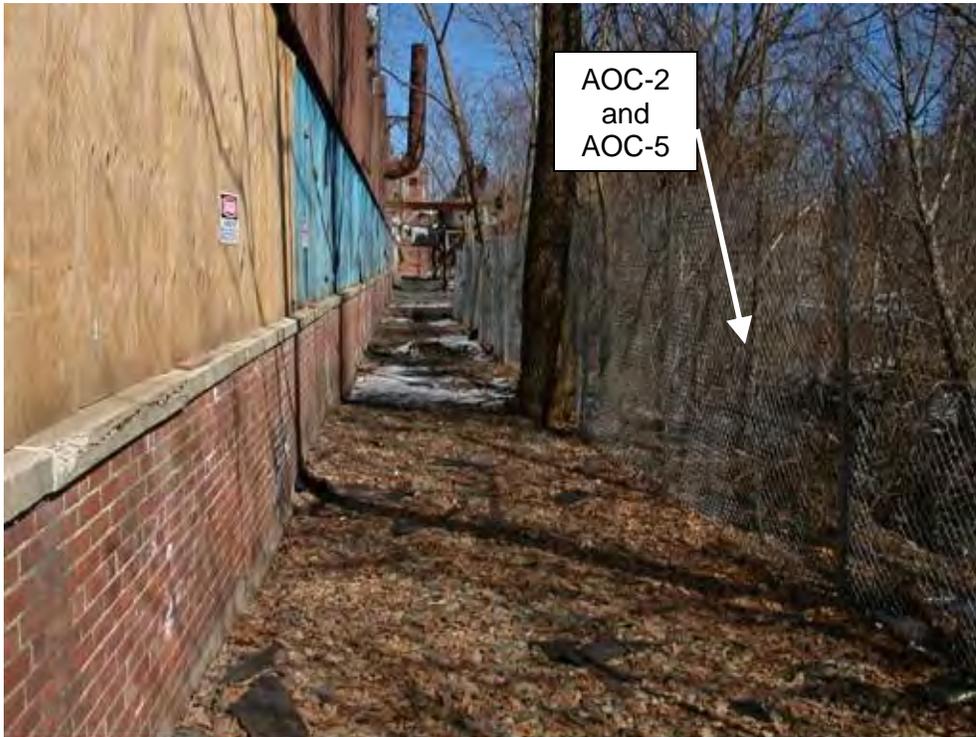
(Refer to Table 1 for Descriptions of AOCs and SAs)



Photograph 1. View of Building C (former boiler house), AOC-1 (20,000 gallon UST bunker), and AOC-18 (oil-stained soil removal), facing west. Building A is in the background, while AOC-17 (chlorinated solvent-impacted soil) and SA-M (impacted soil and fire debris removal) are in the foreground. SA-N represents the removal of lead and asbestos-containing materials from Building C.



Photograph 2. View of deteriorated roof for AOC-1 (UST bunker). This roof represents SA-P and is a suspected source of asbestos-containing material.



Photograph 3. View of AOCs 2 and 5 (USTs), facing to the north. AOCs 2 and 5 are located to the right of the fence between the brook and the southeastern side of Building A



Photograph 4. View of AOC-3 (10,000 gal. UST) and SA-H (removal of metal-impacted soil), following stabilization, facing north.



Photograph 5. View of AOC-4 (UST), following stabilization, facing the southern side of Building C.



Photograph 6. View of aboveground storage tank concrete cradle (removed by others), adjacent to AOC-5.



Photograph 7. View of area of AOC-6 (possible UST fill pipes) along-side of Building A, facing south. Pipes were removed during CTDEP stabilization activities.



Photograph 8. View of AOC-10, 150,000 gallon water tower, facing west. The elevated heat transfer line connecting the water tower to Building A is shown.



Photograph 9. View of AOC-11 (drum storage) and a portion of AOC-27/SA-T (asbestos-containing building materials).



Photograph 10. View of Harbor Brook, which bisects the site, facing south. The brook represents AOCs-12 and 26.



Photograph 11. View of AOC-13, dry well area, facing northwest.



Photograph 12. View of AOCs 14 and 19, located on the eastern side of Building A. Stabilization area SA-R is shown. Cyclone dust collectors are shown on the left of the photograph.



Photograph 13. View of the western edge of AOC-15 (multiple stockpiles of debris), along Harbor Brook.



Photograph 14. View of an individual stockpile of AOC-15, located at the southeastern corner of Building A.



Photograph 15. View of former stockpile areas for AOC-15, located along the eastern property boundary. This location also encompasses SA-F and SA-I.



Photograph 16. View of AOC-15 (SA-B and SA-C), located south of the water tower.



Photograph 17. View of AOC 17, located on the northeastern portion of the site, facing northeast.



Photograph 18. View of AOC-17, located on the northeastern portion of site, facing northwest.



Photograph 19. View of AOC-18, located on north side of UST bunker (AOC-1) at Building C, facing west. AOC-18 is just to the right of the fence.



Photograph 20. View of cyclone dust collectors, which were used to collect dust from the former silverware manufacturing operations, facing west.



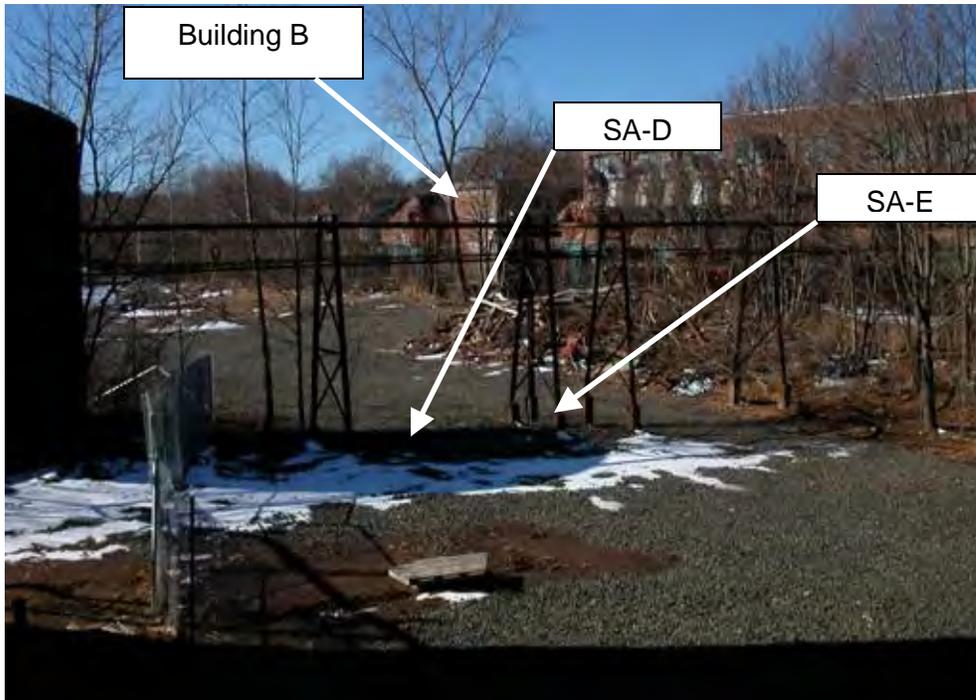
Photograph 21. View of AOC-24, possible location of UST, facing west.



Photograph 22. View of AOC-30, Louie's Auto Body Shop, located adjacent to the southern portion of site, facing northwest.



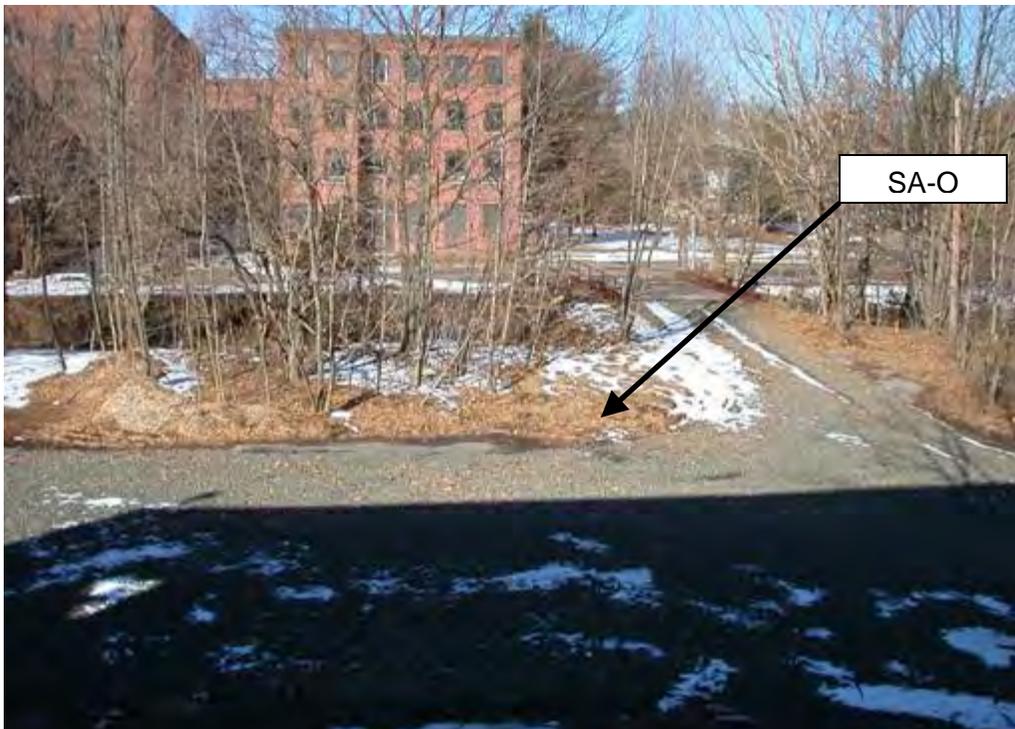
Photograph 23. View of Building B (AOC-32), facing west.



Photograph 24. View of water tower, elevated heat transfer line, SA-D (removal of asbestos-impacted soil), SA-E (removal of metals-impacted soil), and Buildings A and B, from the second floor of Building C, facing south.



Photograph 25. View of Building A, from the second floor of Building C, facing west.



Photograph 26. View of SA-O, following the removal of metal-impacted surface soils.

APPENDIX 4

EDR REPORT

The EDR Aerial Photo Decade Package

**Insilco (Factory H)
Cooper Street
Meriden, CT 06450**

Inquiry Number: 1619740.6

February 23, 2006



**EDR® Environmental
Data Resources Inc**

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

THE EDR AERIAL PHOTO DECADE PACKAGE

Environmental Data Resources, Inc.'s (EDR) Aerial Photography Print Service is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs at one photo per decade.

References

EPAs Standards and Practices for All Appropriate Inquiries (AAI), section 312.24, identifies the historical sources of information necessary to achieve the objectives and performance factors of section 312.20. According to AAI, *"historical documents and records may include, but are not limited to, aerial photographs, fire insurance maps, building department records, chain of title documents, and land use records."*

To meet the prior use requirements of ASTM E 1527-05, Section 8.3.2, the following standard *historical sources* may be used: aerial photographs, fire insurance maps, property tax files, land title records (although these cannot be the sole historical source consulted), topographic maps, city directories, building department records, or zoning/land use records. ASTM E 1527-05, Section 8.3 on Historical Use Information, identifies the prior use requirements for a Phase I environmental site assessment. ASTM E 1527-05 requires *"All obvious uses of the property shall be identified from the present, back to the property's first developed use, or back to 1940, whichever is earlier. This task requires reviewing only as many of the standard historical sources as are necessary and both reasonably ascertainable and likely to be useful."* (ASTM E 1527-05, Section 8.3.2) *Reasonably ascertainable means information that is publicly available, obtainable from a source within reasonable time and cost constraints, and practically reviewable.*

Data Gaps

In order to address *data gaps*, additional sources of information may be consulted. According to the AAI, Section 312.20 (g), *"to the extent there are data gaps (as defined in section 312.10) in the information developed...that affect the ability of persons (including the environmental professional) conducting the all appropriate inquiries to identify conditions indicative of releases or threatened releases...such persons should identify such data gaps, identify the sources of information consulted to address such data gaps, and comment upon the significance of such data gaps."* According to ASTM E 1527-05, Section 8.3.2.3, *"historical research is complete when either: (1) the objectives in 8.3.1 through 8.3.2.2 are achieved; or (2) data failure is encountered. Data failure occurs when all of the standard historical sources that are reasonably ascertainable and likely to be useful have been reviewed and yet the objectives have not been met....If data failure is encountered, the report shall document the failure and, if any of the standard historical sources were excluded, give the reasons for their exclusion."*

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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Date EDR Searched Historical Sources:

Aerial Photography February 23, 2006

Target Property:

Cooper Street

Meriden, CT 06450

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1940	Aerial Photograph. Scale: 1"=750'	Panel #: 2441072-E7/Flight Date: May 10, 1940	EDR
1975	Aerial Photograph. Scale: 1"=750'	Panel #: 2441072-E7/Flight Date: July 30, 1975	EDR
1980	Aerial Photograph. Scale: 1"=750'	Panel #: 2441072-E7/Flight Date: September 19, 1980	EDR
1992	Aerial Photograph. Scale: 1"=833'	Panel #: 2441072-E7/Flight Date: March 16, 1992	EDR



INQUIRY #: 1619740.6

YEAR: 1940

| = 750'





INQUIRY #: 1619740.6

YEAR: 1975

| = 750'





INQUIRY #: 1619740.6

YEAR: 1980

| = 750'





INQUIRY #: 1619740.6

YEAR: 1992

| = 833'





EDR® Environmental
Data Resources Inc

The EDR Radius Map with GeoCheck®

**Insilco (Factory H)
Cooper Street
Meriden, CT 06451**

Inquiry Number: 1619740.2s

February 23, 2006

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

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Thank you for your business.
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with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

COOPER STREET
MERIDEN, CT 06451

COORDINATES

Latitude (North): 41.534200 - 41° 32' 3.1"
Longitude (West): 72.806500 - 72° 48' 23.4"
Universal Transverse Mercator: Zone 18
UTM X (Meters): 682989.7
UTM Y (Meters): 4600171.5
Elevation: 144 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: 41072-E7 MERIDEN, CT
Source: USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following government records. For more information on this property see page 6 of the attached EDR Radius Map report:

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
INTERNATIONAL SILVER MISCELLANEOUS -SURF , CT	LWDS	N/A
FORMER FACTORY H-INTERNATIONAL SI 77 COOPER STREET MERIDEN, CT	BROWNFIELDS	N/A
INSILCO FACTORY COOPER STREET / CHERRY STREET MERIDEN, CT	SDADB	N/A

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

FEDERAL RECORDS

NPL	National Priority List
Proposed NPL	Proposed National Priority List Sites
Delisted NPL	National Priority List Deletions
NPL Liens	Federal Superfund Liens
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP	CERCLIS No Further Remedial Action Planned
RCRA-TSDF	Resource Conservation and Recovery Act Information
RCRA-LQG	Resource Conservation and Recovery Act Information
ERNS	Emergency Response Notification System
HMIRS	Hazardous Materials Information Reporting System
US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROL	Sites with Institutional Controls
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
US BROWNFIELDS	A Listing of Brownfields Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
ODI	Open Dump Inventory
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
SSTS	Section 7 Tracking Systems
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
FINDS	Facility Index System/Facility Registry System
RAATS	RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

SWF/LF	List of Landfills/Transfer Stations
SWRCY	Recycling Facilities
AST	Marine Terminals and Tank Information
CT Spills	Oil & Chemical Spill Database
INST CONTROL	ELUR Sites
VCP	Voluntary Remediation Sites
ENF	Enforcement Case Listing
CT PROPERTY	Property Transfer Filings

TRIBAL RECORDS

INDIAN RESERV	Indian Reservations
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EDR PROPRIETARY RECORDS

EDR Historical Auto Stations	EDR Proprietary Historic Gas Stations
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EXECUTIVE SUMMARY

EDR Historical Cleaners..... EDR Proprietary Historic Dry Cleaners

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

FEDERAL RECORDS

CORRACTS:CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 12/29/2005 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>QUINLAN RUSSELL</i>	<i>5 CROSS STREET</i>	<i>1/2 - 1 NE</i>	<i>40</i>	<i>85</i>

RCRAInfo:RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-SQG list, as provided by EDR, and dated 12/15/2005 has revealed that there are 3 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>SOUTHERN NEW ENGLAND TELE CO</i>	<i>27 BUTLER ST</i>	<i>1/8 - 1/4 N</i>	<i>H20</i>	<i>39</i>
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>MERIDEN SERVICE CENTER</i>	<i>56 COOPER ST</i>	<i>0 - 1/8 S</i>	<i>B5</i>	<i>11</i>
<i>FIRESTONE STORE 7056</i>	<i>72 COOK AVE</i>	<i>1/8 - 1/4 NNW</i>	<i>G17</i>	<i>37</i>

EXECUTIVE SUMMARY

STATE AND LOCAL RECORDS

SHWS:The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Protection's Inventory of Hazardous Disposal Sites.

A review of the SHWS list, as provided by EDR, and dated 11/21/2005 has revealed that there are 2 SHWS sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
J. B. COGGINS CO.	5 CROSS STREET	1/2 - 1 NNE	42	88
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
AS U LIKE IT CLEANERS	518 WEST MAIN STREET	1/2 - 1 WNW	47	92

SDADB:Site Discovery and Assessment Database.

A review of the SDADB list, as provided by EDR, and dated 11/21/2005 has revealed that there are 11 SDADB sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
PERSONAL EXPRESSIONS	35 MERIDIAN STREET	0 - 1/8 SSW	D9	25
SNET	25 BUTLER STREET	1/8 - 1/4N	H23	44
COLONIAL CUSTOM CLEANERS	9 BUTLER ST	1/4 - 1/2 N	27	51
THE MERIDEN RECORD CO.	11 CROWN STREET	1/4 - 1/2 NE	29	59
ZIMERMAN, JOSEPH M.D.	319 HANOVER STREET	1/4 - 1/2 W	31	63
GUEST COMPANY INC.	49 ELM STREET	1/4 - 1/2 E	35	73
MERIDEN WATER POLLUTION CONTRO	EVANSVILLE RD.	1/4 - 1/2 ENE	37	77
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
MERIDEN SERVICE CENTER	56 COOPER ST	0 - 1/8 S	B5	11
SPENCER'S GARAGE	274 COOK AVENUE	1/8 - 1/4 SSW	24	46
DUFFY PROPERTY	382 COOK AVENUE	1/4 - 1/2 SSW	34	72
AMERICAN OIL CHANGE CORP.	321-327 WEST MAIN STREE	1/4 - 1/2 NW	36	75

LUST:The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Protection's Leaking Underground Storage Tank List.

A review of the LUST list, as provided by EDR, and dated 11/23/2005 has revealed that there are 5 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
MERIDEN SENIOR CENTER	22 WEST MAIN ST.	1/4 - 1/2 NNE	28	56
CT. NATIONAL BANK	1 WEST MAIN ST.	1/4 - 1/2 NE	30	60
UNKNOWN	231 WEST MAIN STREET	1/4 - 1/2 NNW	32	65
OFFICE COMPLEX	95 EAST MAIN ST.	1/4 - 1/2 ENE	33	69
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
HANOVER TOWERS	76 BUTLER STREET	0 - 1/8 N	C6	18

EXECUTIVE SUMMARY

CT LWDS:The Leachate and Waste Water Discharge Inventory Data Layer (LWDS) includes point locations digitized from Leachate and Wastewater Discharge Source maps compiled by the Connecticut DEP.

A review of the LWDS list, as provided by EDR, and dated 09/22/1999 has revealed that there are 9 LWDS sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
J.B. COGGINS	INDUSTRIAL PIT	1/2 - 1 ENE	38	84
PENBECK OIL CO.	OIL/CHEMICAL SPILLS	1/2 - 1 NW	39	84
MERIDEN	SALT STORAGE -COVERD	1/2 - 1 E	43	91
SWEEDS AUTO WRECKING CO.	AUTO JUNKYARD	1/2 - 1 SSW	46	92
MILLER CO.	COOLING/IND DISCHRG	1/2 - 1 ENE	49	95
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
J.B. COGGINS	INDUSTRIAL WASTEWTR	1/2 - 1 NE	41	88
MRM INDUSTRIES	INDUSTRIAL WASTEWTR	1/2 - 1 N	44	91
MERIDEN WATER DEPT. (CUNO)	CONTAMINATED WELL	1/2 - 1 WNW	45	91
DRUM SILVER	OIL/CHEMICAL SPILLS	1/2 - 1 WNW	48	95

UST:The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Protection's "Town Inventory" UST Listing.

A review of the UST list, as provided by EDR, and dated 12/22/2005 has revealed that there are 14 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
VACANT	35 MERIDIAN STREET	0 - 1/8 SSW	D8	24
TOOLING TECHNOLOGY, INC.	26 CHERRY STREET	1/8 - 1/4 ENE	12	30
VETERANS MEMORIAL MEDICAL CENT	1 KINGS PL.	1/8 - 1/4 W	F15	33
MERIDEN CENTRAL OFFICE (7801)	27 BUTLER STREET	1/8 - 1/4 N	H21	39
MERIDEN POST OFFICE	87 COLONY ST.	1/8 - 1/4 ENE	22	43
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
MERIDEN AREA WORK CENTER	56 COOPER ST.	0 - 1/8 S	B4	8
HANOVER TOWERS REALTY	76 BUTLER ST.	0 - 1/8 N	C7	22
KOGUT NURSERY	YALE AVE.	0 - 1/8 NNW	E10	27
MERIDEN MEDICAL CENTER	COOK AVE	1/8 - 1/4 NW	11	29
KWIK MART	80 COOK AVENUE	1/8 - 1/4 NNW	E13	31
FIRESTONE STORE #7056	72 COOK AVE.	1/8 - 1/4 NNW	G18	37
MOTOR VEHICLE DEPT. (BUTLER ST	47 BUTLER STREET	1/8 - 1/4 N	19	38
HARBOR TOWERS LIM.PART.	60 HANOVER ST.	1/8 - 1/4 NNE	25	48
MODERN HOME CONSTRUCTION	292 COOK AVE.	1/8 - 1/4 SSW	26	50

BROWNFIELDS:Brownfields Inventory From Connecticut Brownfields Redevelopment Authority.

A review of the BROWNFIELDS list, as provided by EDR, and dated 01/16/2006 has revealed that there is 1 BROWNFIELDS site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
MID STATE MEDICAL CENTER	1 KING PL	1/8 - 1/4 W	F14	33

EXECUTIVE SUMMARY

EDR PROPRIETARY RECORDS

EDR Manufactured Gas Plants:The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the Manufactured Gas Plants list, as provided by EDR, has revealed that there is 1 Manufactured Gas Plants site within approximately 1 mile of the target property.

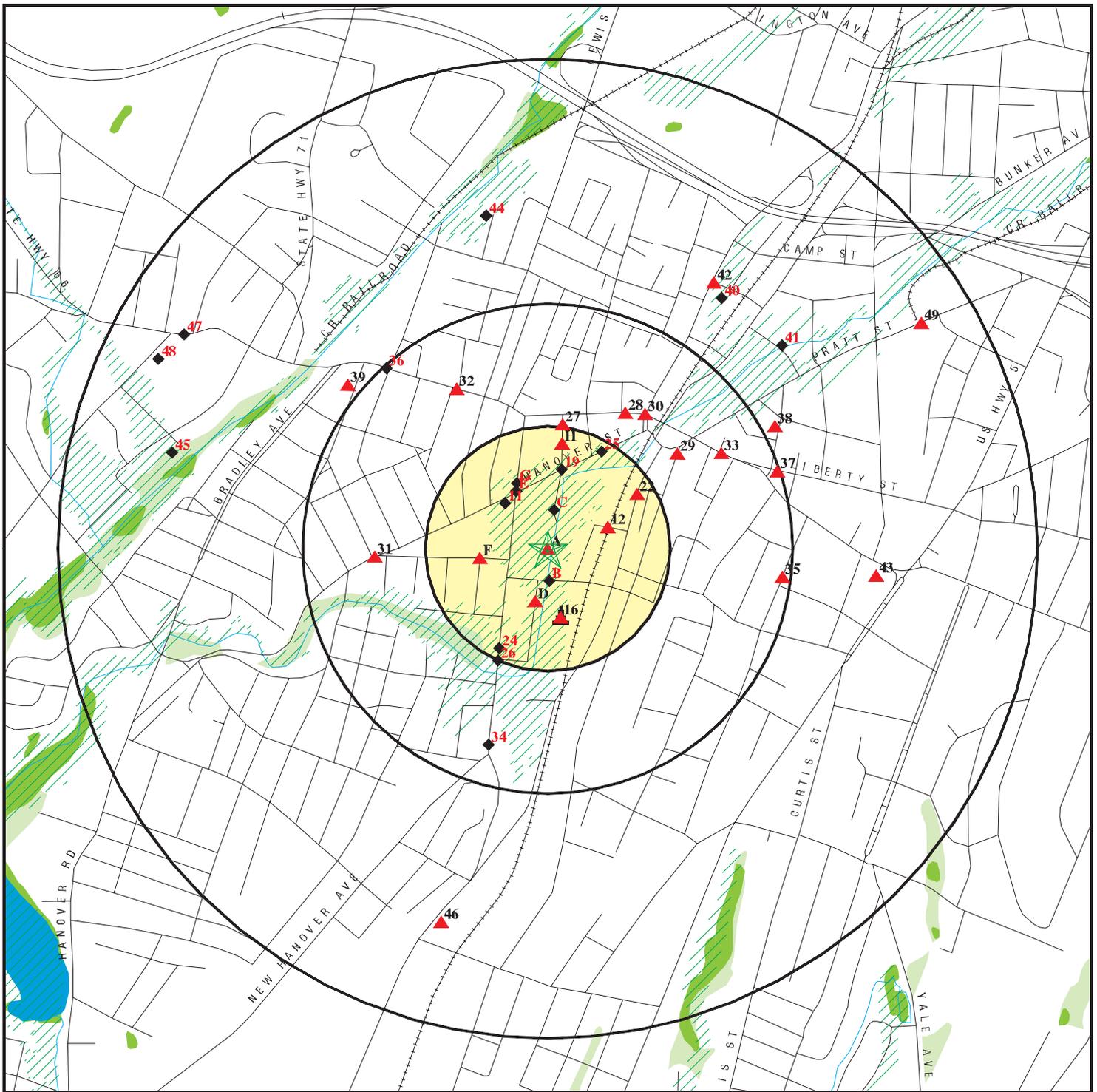
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
MERIDAN GAS LIGHT CO	COOPER STREET	1/8 - 1/4 S	16	36

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

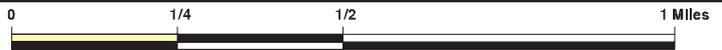
<u>Site Name</u>	<u>Database(s)</u>
PHILLIPS PROPERTY WESTVACO	SHWS, SDADB SHWS, UST, CT PROPERTY, SDADB
DRY CLEANERS & GAS STATIONS	LUST
EYELET SPECIALTIES	LUST
CABIN RESTAURANT / ANTHONY PAGUNI	LUST
INTERSECTION OF W. MAIN & CENTENNIAL	LUST
VETERNS MEMORIAL MEDICAL CENTER	LUST
GETTY SERVICE STATION #590	LUST, CT Spills
WAYNE GRANT	LUST, CT Spills
CITY OF MERIDEN, BOB MERCALDI	LUST
ROADWAY EXPRESS INC	UST
MERIDEN MAINT. GARAGE (BLDG 81-126)	UST
JOSEPH PERUTI	UST
MERIDEN FOUNDRY CO THE	RCRA-SQG, FINDS
MERIDEN HUB	US BROWNFIELDS
DUMP #9	SDADB
INSILCO DUMP SITE	SDADB
DUMP #11	SDADB
HANOVER POND	SDADB
DUMP #1	SDADB
INSILCO	SDADB
1940'S INSILCO DUMP SITE	SDADB
DUMP #2	SDADB

OVERVIEW MAP - 1619740.2s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites

- Indian Reservations BIA
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Federal Wetlands
- State Wetlands

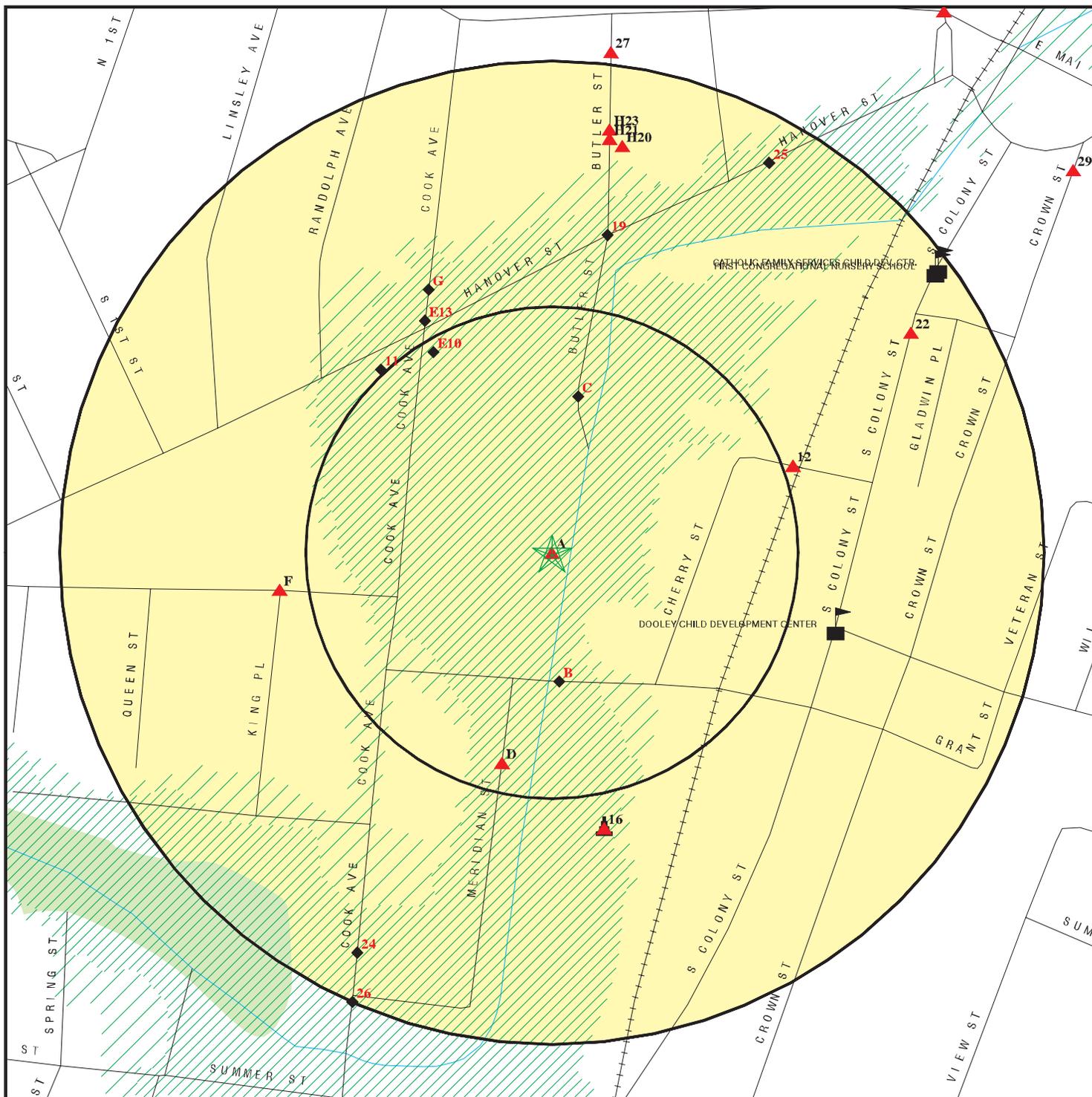


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Insilco (Factory H)
 ADDRESS: Cooper Street
 Meriden CT 06451
 LAT/LONG: 41.5342 / 72.8065

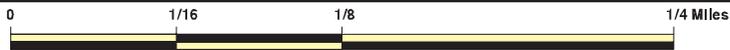
CLIENT: Metcalf & Eddy, Inc.
 CONTACT: Lucas Hellerich
 INQUIRY #: 1619740.2s
 DATE: February 23, 2006

DETAIL MAP - 1619740.2s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites

- Indian Reservations BIA
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Federal Wetlands
- State Wetlands



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Insilco (Factory H)
 ADDRESS: Cooper Street
 Meriden CT 06451
 LAT/LONG: 41.5342 / 72.8065

CLIENT: Metcalf & Eddy, Inc.
 CONTACT: Lucas Hellerich
 INQUIRY #: 1619740.2s
 DATE: February 23, 2006

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>FEDERAL RECORDS</u>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	0	0	NR	NR	0
CORRACTS		1.000	0	0	0	1	NR	1
RCRA TSD		0.500	0	0	0	NR	NR	0
RCRA Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRA Sm. Quan. Gen.		0.250	1	2	NR	NR	NR	3
ERNS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
<u>STATE AND LOCAL RECORDS</u>								
State Haz. Waste		1.000	0	0	0	2	NR	2
SDADB	X	0.500	2	2	7	NR	NR	11
State Landfill		0.500	0	0	0	NR	NR	0
SWRCY		0.500	0	0	0	NR	NR	0
LUST		0.500	1	0	4	NR	NR	5
LWDS	X	1.000	0	0	0	9	NR	9
UST		0.250	4	10	NR	NR	NR	14
AST		0.250	0	0	NR	NR	NR	0
CT Spills		TP	NR	NR	NR	NR	NR	0
INST CONTROL		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
BROWNFIELDS	X	0.500	0	1	0	NR	NR	1
ENF		TP	NR	NR	NR	NR	NR	0
CT Property		TP	NR	NR	NR	NR	NR	0
<u>TRIBAL RECORDS</u>								
INDIAN RESERV		1.000	0	0	0	0	NR	0

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Target Property</u>	<u>Search Distance (Miles)</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
<u>EDR PROPRIETARY RECORDS</u>								
		1.000	0	1	0	0	NR	1
		0.250	0	0	NR	NR	NR	0
		0.250	0	0	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

A1 **INTERNATIONAL SILVER**
Target **MISCELLANEOUS -SURF**
Property **, CT**

LWDS **W991101630**
 N/A

Site 1 of 3 in cluster A

Actual:
144 ft.

LWDS:
 ArcView Legend Symbology: MISC -SURF
 Leachate and Wastewater Name: MISCELLANEOUS -SURF
 Leachate and Wastewater Number: 5206012
 Status of the Discharge Activity: INACTIVE
 Leachate and Waste Flow: SURFACE
 Feature Number on Hazardous Waste List: 0
 Subregional Basin Feature Number: 5206
 Name: International Silver
 Alias: Not reported
 Description: Former site
 Lat/Long: 41.53532 / -72.80891
 State Plane x/y: 983871 / 755783

A2 **FORMER FACTORY H-INTERNATIONAL SILVER**
Target **77 COOPER STREET**
Property **MERIDEN, CT**

BROWNFIELDS **S106474890**
 N/A

Site 2 of 3 in cluster A

Actual:
144 ft.

CT BROWNFIELD:
 Acres: 7
 Spill ID: 88
 Past Use : Manufacturing/Silver
 Recorded : True
 Road Access : Rte 15 /I- 691

A3 **INSILCO FACTORY**
Target **COOPER STREET / CHERRY STREET**
Property **MERIDEN, CT**

SDADB **S104254244**
 N/A

Site 3 of 3 in cluster A

Actual:
144 ft.

Site Discovery and Assessment:
 Facility ID: 1344
 WPC Number : Not reported
 Rem ID : Not reported
 Lat/Long : Not reported
 Lat/Long Determined By : Not reported
 Waste Type 1 : Chlorinated Volatile Organic Compounds
 Waste Type 2 : Metals
 Waste Type 3 : Not reported
 Disposal 1 : SPILL/DUMP
 Disposal 2 : Not reported
 Disposal 3 : Not reported
 Sample Data Available : Yes
 Ground Water Quality Classification : GB
 Surface Water Quality Classification : B
 PTP Id: Not reported
 Postal District: Not reported
 Lat/Lon: Not reported
 Updated By: HAMEL, M.
 Update Program: PTP
 Updated: 7/27/1992

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

INSILCO FACTORY (Continued)

S104254244

Duplicate: No
Comments : AKA: INTERNATIONAL SLIVER FACTORY H SRD-037 ISSUED 07/24/92 FOR INVESTIGATION AND REMEDIATION. PRIORITIZED DUE TO BANKRUPTCY COURT DATES. REVOKED 2/95.

Federal

EPA CERCLIS Id : Not reported
Number EPA RCRIS Id : Not reported
Site on EPA's CERCLIS : Not reported
Site Archived from CERCLIS : Not reported
Date of archive : Not reported
EPA's Removal at Site : Not reported
Deferred to another EPA Program : Not reported
EPA Env Priority Initiative Site : Not reported
Federal Facility : Not reported
Site on EPA's National Priority List : Not reported
Part of an NPL site : Not reported
RCRA Generator Status : Not reported
RCRA Permit Status : Not reported

Referral

Referral Id: 1270
Source of referral: PTP
Date received: 7/1/1992
Staff assigned: HAMEL, M.
Remediation program: PTP
Date assigned: 7/1/1992
Date completed: 7/1/1992
Outcome: PTP

Remedial

Remedial Id : 685
PTP Id : 0
Remediation Program : SRP
Remediation Program Entered : 7/24/1992
Staff Assigned : HAMEL, M.
Remediation Program : PTP
Date assigned : 7/1/1992
Project Phase : Not reported
Order issued : No
Order Number : Not reported
Date order issued : Not reported
Remedial Investigation Start : Not reported
Remedial Investigation Completed : Not reported
Remedial Design Start : Not reported
Remedial Design complet : Not reported
Remedial Action Start : Not reported
Remedial Action Completed : Not reported
Date Oper/ maintenance Started : Not reported
GW monitoring : No
Remediation complete Approved DEP/Verified by LEP :Not reported

Orders

Order Id : 68
Order number : SRD-0037
Date Order Issued : 7/24/1992
Staff assigned : HAMEL, M.
Type of Order : AO
Order Respondent : INSILCO CORP.
Admin Appeal Date : 8/25/1992
Admin Appeal Ruling : Not reported
Date of Admin Appeal Ruling : Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

INSILCO FACTORY (Continued)

S104254244

Date of Final Order : Not reported
Date of Court Appeal : Not reported
Court ruling : Not reported
Date of Court Ruling : Not reported
Date Order Modified : Not reported
Date Order Revoked : Not reported
Date Referred to AG : Not reported
Judgement : Not reported
Date of AGR judgement : Not reported
Penalty assessed : 0
Order Complete : Not reported
In compliance : No
Comments : VETERAN'S MEMORIAL HOSPITAL, MORTGAGE HOLDER, WILL UNDERTAKE REMEDIATION.(11/94)

Orders

Order Id : 137
Order number : SRD-0081
Date Order Issued : 5/15/1997
Staff assigned : HAMEL, M.
Type of Order : O
Order Respondent : BL& A ASSOCIATES, L.P.
Admin Appeal Date : Not reported
Admin Appeal Ruling : Not reported
Date of Admin Appeal Ruling : Not reported
Date of Final Order : Not reported
Date of Court Appeal : Not reported
Court ruling : Not reported
Date of Court Ruling : Not reported
Date Order Modified : Not reported
Date Order Revoked : Not reported
Date Referred to AG : Not reported
Judgement : Not reported
Date of AGR judgement : Not reported
Penalty assessed : Not reported
Order Complete : Not reported
In compliance : No
Comments : VETERAN'S MEMORIAL HOSPITAL, MORTGAGE HOLDER, WILL UNDERTAKE REMEDIATION.(11/94)

B4
South
< 1/8
347 ft.

MERIDEN AREA WORK CENTER
56 COOPER ST.
MERIDEN, CT 06450

UST U002176779
N/A

Relative:
Lower

Site 1 of 2 in cluster B

Actual:
141 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

MERIDEN AREA WORK CENTER (Continued)

U002176779

UST:

Facility Id: 9955
Tank ID: 1
Alt. Facility ID: 80-9955
Alt. Tank ID: A1
Tank Status: Permanently Out of Use
Capacity: 100
Substance: Used Oil
Closure Status: Closed in Place
Date Installed: 1/1/1969
Date Last Used: 1/1/1977
Tank Material: Asphalt Coated or Bare Steel
2ndary Material: None
Pipe Material: Bare Steel
2ndary Material: None
Spill Installed: No
Overfill Installed: No
Owner: YANKEE GAS SERVICES COMPANY
599 Research Parkway
Meriden, CT 06450
Lat/Long: 41° 31' 57" / 72° 48' 23"

Facility Id: 9955
Tank ID: 5
Alt. Facility ID: 80-9955
Alt. Tank ID: C5
Tank Status: Temporarily Out of Use
Capacity: 4000
Substance: Gasoline
Closure Status: Tank closed in place
Date Installed: 1/1/1973
Date Last Used: 2/1/1995
Tank Material: Cathodically Protected Steel
2ndary Material: None
Pipe Material: Galvanized Steel
2ndary Material: None
Spill Installed: No
Overfill Installed: No
Owner: YANKEE GAS SERVICES COMPANY
599 Research Parkway
Meriden, CT 06450
Lat/Long: 41° 31' 57" / 72° 48' 23"

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EPA ID Number
EDR ID Number

MERIDEN AREA WORK CENTER (Continued)

U002176779

Facility Id: 9955
Tank ID: 4
Alt. Facility ID: 80-9955
Alt. Tank ID: C4
Tank Status: Temporarily Out of Use
Capacity: 4000
Substance: Gasoline
Closure Status: Tank closed in place
Date Installed: 1/1/1973
Date Last Used: 2/1/1995
Tank Material: Cathodically Protected Steel
2ndary Material: None
Pipe Material: Galvanized Steel
2ndary Material: None
Spill Installed: No
Overfill Installed: No
Owner: YANKEE GAS SERVICES COMPANY
599 Research Parkway
Meriden, CT 06450
Lat/Long: 41° 31' 57" / 72° 48' 23"

Facility Id: 9955
Tank ID: 3
Alt. Facility ID: 80-9955
Alt. Tank ID: B3
Tank Status: Temporarily Out of Use
Capacity: 3000
Substance: Gasoline
Closure Status: Tank closed in place
Date Installed: 1/1/1973
Date Last Used: 2/1/1995
Tank Material: Cathodically Protected Steel
2ndary Material: None
Pipe Material: Galvanized Steel
2ndary Material: None
Spill Installed: No
Overfill Installed: No
Owner: YANKEE GAS SERVICES COMPANY
599 Research Parkway
Meriden, CT 06450
Lat/Long: 41° 31' 57" / 72° 48' 23"

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

MERIDEN AREA WORK CENTER (Continued)

U002176779

Facility Id: 9955
Tank ID: 2
Alt. Facility ID: 80-9955
Alt. Tank ID: B2
Tank Status: Temporarily Out of Use
Capacity: 3000
Substance: Gasoline
Closure Status: Tank closed in place
Date Installed: 1/1/1973
Date Last Used: 2/1/1995
Tank Material: Cathodically Protected Steel
2ndary Material: None
Pipe Material: Galvanized Steel
2ndary Material: None
Spill Installed: No
Overfill Installed: No
Owner: YANKEE GAS SERVICES COMPANY
599 Research Parkway
Meriden, CT 06450
Lat/Long: 41° 31' 57" / 72° 48' 23"

B5
South
< 1/8
347 ft.

MERIDEN SERVICE CENTER
56 COOPER ST
MERIDEN, CT 06450

RCRA-SQG 1000247986
FINDS CTD981205180
CT Spills
CT PROPERTY
SDADB

Site 2 of 2 in cluster B

Relative:
Lower

RCRAInfo:
Owner: YANKEE GAS SERVICE CO
(203) 555-1212
EPA ID: CTD981205180
Contact: RUTHANNE CALABRESE
(203) 634-2403

Actual:
141 ft.

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: 22a-449(c)-102(a)
Area of Violation: GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined: 11/03/1999
Actual Date Achieved Compliance: 11/30/1999

Enforcement Action: FIELD NOTICE OF VIOLATION
Enforcement Action Date: 11/03/1999
Penalty Type: Not reported

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 02/01/2000
Penalty Type: Not reported

Regulation Violated: 262.34(a)(1) 265.111 265.114
Area of Violation: WASTE TANKS - TANK MANAGEMENT
Date Violation Determined: 11/03/1999
Actual Date Achieved Compliance: Not reported

Enforcement Action: FIELD NOTICE OF VIOLATION
Enforcement Action Date: 11/03/1999
Penalty Type: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

MERIDEN SERVICE CENTER (Continued)

1000247986

Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	02/01/2000
Penalty Type:	Not reported
Regulation Violated:	261.5(g)(1) 262.11
Area of Violation:	HAZARDOUS WASTE DETERMINATIONS
Date Violation Determined:	11/03/1999
Actual Date Achieved Compliance:	Not reported
Enforcement Action:	FIELD NOTICE OF VIOLATION
Enforcement Action Date:	11/03/1999
Penalty Type:	Not reported
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	02/01/2000
Penalty Type:	Not reported
Regulation Violated:	265.15(b)(4)
Area of Violation:	GENERATOR INSPECTION SCHEDULE & LOG
Date Violation Determined:	11/03/1999
Actual Date Achieved Compliance:	Not reported
Enforcement Action:	FIELD NOTICE OF VIOLATION
Enforcement Action Date:	11/03/1999
Penalty Type:	Not reported
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	02/01/2000
Penalty Type:	Not reported
Regulation Violated:	22a-449(c)-101(c)(3)
Area of Violation:	GENERATOR-OTHER REQUIREMENTS
Date Violation Determined:	11/03/1999
Actual Date Achieved Compliance:	Not reported
Enforcement Action:	FIELD NOTICE OF VIOLATION
Enforcement Action Date:	11/03/1999
Penalty Type:	Not reported
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	02/01/2000
Penalty Type:	Not reported

There are 5 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-PRE-TRANSPORT REQUIREMENTS WASTE TANKS - TANK MANAGEMENT HAZARDOUS WASTE DETERMINATIONS GENERATOR INSPECTION SCHEDULE & LOG GENERATOR-OTHER REQUIREMENTS	19991130

FINDS:

Other Pertinent Environmental Activity Identified at Site:
 RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

SPILL:

Case Number:	200002898	Who Took Spill:	924
Year of Database:	5/2/2000	Reported By:	lynn binkowski
Report Date:	5/2/2000		
Phone 1 :	203-6394085		
Phone 2 :	-		

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

MERIDEN SERVICE CENTER (Continued)

1000247986

Area Code 3:	Not reported		
Representing:	yankee gas		
Qty (Gallon):	2	Qty (Yard):	0
Qty (Pound):	0	Qty (Drum):	0
Concentration:	0		
Continuous Spill:	No		
Release Status:	Terminated		
Water Body:	none reported		
Total (Water):	0	Recovd (Total)::	2
Who Assigned Spill:	Not reported		
Facility Status:	Closed		
Emergency Measure:			
Assigned To:	0		
Discharger:	saa		
Telephone:	Not reported		
Responsible Party:	YES		
Released Substance:	MOTOR OIL		
RP Address:	MERIDEN, CT 06450		
Date Release :	5/2/2000	Time Release :	Not reported
Waterbody :	No	Date Responded :	Not reported
Time Responded :	Not reported		
Historic :	No	Qty Rec Water :	Not reported
Waterway :	Not reported	OPA :	Not reported
EPA :	Not reported	EPA Contact :	Not reported
EPA Date :	Not reported	EPA Time :	Not reported
USCG :	Not reported	USCG Contact :	Not reported
USCG Date :	Not reported	USCG Time :	Not reported
Spill Fund :	Not reported	Authorized By :	Not reported
Date Authorized :	Not reported	Time Authorized :	Not reported
Discharger Addr :	Not reported		
Accepted By :	Not reported		
Date Accepted :	Not reported	Time Authorized :	Not reported
OCSR Rep :	Not reported		
Property Owner1 :	Not reported	Owner 1 Area :	Not reported
Owner 1 Phone :	Not reported		
Owner 1 Address :	Not reported		
	Not reported		
Owner 2 Area :	Not reported	Owner 2 Phone :	Not reported
Owner 2 Address :	Not reported		
	Not reported		
Transportation :	Not reported	Make :	Not reported
Registration :	Not reported	Tractor No :	Not reported
Trailer Registrtn :	Not reported	Vehicle Operator :	Not reported
License No :	Not reported	Vehicle Owner :	Not reported
Owner Area :	Not reported	Owner Phone :	Not reported
Special Contact :	Not reported	Contractor Retained:	Not reported
Date Requested :	Not reported	Time Requested :	Not reported
Date Arrived :	Not reported	Time Arrived :	Not reported
User Stamp :	Not reported		
Time Stamp :	5/3/2000 8:55:42 AM	Sr Inspector Name :	Gothberg Erik
At Inspctr Name :	**NO RESPONSE		
Sign 1 :	Not reported		
Sign 2 :	Not reported		
Sign 3 :	Not reported		
Sign 4 :	Not reported		
Sign 5 :	Not reported		
Sign 6 :	Not reported		

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

MERIDEN SERVICE CENTER (Continued)

1000247986

Sign 7 : Not reported

Corrective Action:

Action ID : 2

Other Action : Not reported

Action ID : 8

Other Action : Not reported

Agency Notified:

Agency ID : 9

Other Agency : Not reported

DEP Bureau : BUREAU OF WASTE MANAGEMENT

DEP Agency : OIL AND CHEMICAL SPILL RESPONSE

Cause of Incident:

Cause ID : 11

Other Cause : Not reported

Media:

Media ID : 4

Other Media : Not reported

Release Class:

Class ID : 8

Other Class : Not reported

Class ID : 9

Other Class : Not reported

Release Type:

Release ID : 1

Other Release : Not reported

Waterbody:

Waterbody ID : Not reported

Other Wtrbody : Not reported

Case Number: 200104166

Year of Database: 6/12/2001

Report Date: 6/12/2001

Phone 1 : 203-6384085

Phone 2 : -

Area Code 3: Not reported

Representing: YANKEE GAS

Qty (Gallon): 0.5

Qty (Pound): 0

Concentration: 0

Continuous Spill: No

Release Status: Terminated

Water Body: Not reported

Total (Water): 0

Who Assigned Spill:

Facility Status:

Emergency Measure:

Not reported

Closed

CONTAINER FAILURE, MASTIC SPILLED TO PAVEMENT, SPEEDI DRI APPLIED AND REMOVED

Assigned To: 0

Discharger: YANKEE GAS

Telephone: Not reported

Responsible Party: YES

Released Substance: MASTIC

RP Address: CT

Date Release : 6/12/2001

Waterbody : No

Time Responded : Not reported

Historic : No

Who Took Spill: 916

Reported By: LYN BINKOWSKI

Qty (Yard): 0

Qty (Drum): 0

Recovd (Total):: 0.5

Time Release : Not reported

Date Responded : Not reported

Qty Rec Water : Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

MERIDEN SERVICE CENTER (Continued)

1000247986

Waterway : Not reported
EPA : Not reported
EPA Date : Not reported
USCG : Not reported
USCG Date : Not reported
Spill Fund : Not reported
Date Authorized : Not reported
Discharger Addr : Not reported
Accepted By : Not reported
Date Accepted : Not reported
OCSR Rep : Not reported
Property Owner1 : Not reported
Owner 1 Phone : Not reported
Owner 1 Address : Not reported
Owner 2 Area : Not reported
Owner 2 Address : Not reported
Transportation : Not reported
Registration : Not reported
Trailer Registrtn : Not reported
License No : Not reported
Owner Area : Not reported
Special Contact : Not reported
Date Requested : Not reported
Date Arrived : Not reported
User Stamp : Not reported
Time Stamp : 6/13/2001 7:57:37 AM
At Inspctr Name : **NO RESPONSE
Sign 1 : Not reported
Sign 2 : Not reported
Sign 3 : Not reported
Sign 4 : Not reported
Sign 5 : Not reported
Sign 6 : Not reported
Sign 7 : Not reported
Corrective Action:
Action ID : 2
Other Action : Not reported
Action ID : 3
Other Action : Not reported
Agency Notified:
Agency ID : Not reported
Other Agency : Not reported
DEP Bureau : Not reported
DEP Agency : Not reported
Cause of Incident:
Cause ID : 10
Other Cause : Not reported
Media:
Media ID : 4
Other Media : Not reported
Release Class:
Class ID : 9
Other Class : Not reported
Release Type:
Release ID : 1

OPA : Not reported
EPA Contact : Not reported
EPA Time : Not reported
USCG Contact : Not reported
USCG Time : Not reported
Authorized By : Not reported
Time Authorized : Not reported
Time Authorized : Not reported
Owner 1 Area : Not reported
Owner 2 Phone : Not reported
Make : Not reported
Tractor No : Not reported
Vehicle Operator : Not reported
Vehicle Owner : Not reported
Owner Phone : Not reported
Contractor Retained : Not reported
Time Requested : Not reported
Time Arrived : Not reported
Sr Inspector Name : Stavola Rosanne

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

MERIDEN SERVICE CENTER (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000247986

Other Release : Not reported
Waterbody:
Waterbody ID : Not reported
Other Wtrbody : Not reported
CT Property:
Date Recieved: 6/14/1989
Property Transfer Forms: Form III (DEP-PERD-PTP-203) when a discharge, spillage, uncontrolled loss, seepage or filtration of hazardous waste has occurred at the parcel that has not been fully remediated or the environmental conditions at the parcel are unknown. The person signing the Form III certification agrees to investigate and remediate the site in accordance with the remediation standards. The statute does not require completion of remediation before the parcel is transferred. Any person submitting a Form III shall simultaneously submit a completed Environmental Condition Assessment Form (ECAAF)(DEP-PERD-PTP-200).
Seller Name : CL&P
Buyer Name : Yankee Gas Services Co.
Certifying Party : Yankee Gas Services
Certifying Attention Person : Not reported
Title Of Certifying Person : Not reported
Certifying Person Address : Not reported
Ackn Date : 12/19/1989
Determination Date : Not reported
LEP Verified/DEP Approval Date :Not reported

Site Discovery and Assessment:
Facility ID: 2536
WPC Number : Not reported
Rem ID : Not reported
Lat/Long : Not reported
Lat/Long Determined By : Not reported
Waste Type 1 : Hydrocarbons and/ or Fuel Oil
Waste Type 2 : Not reported
Waste Type 3 : Not reported
Disposal 1 : Underground Storage Tank
Disposal 2 : Not reported
Disposal 3 : Not reported
Sample Data Available : No
Ground Water Quality Classification : Not reported
Surface Water Quality Classification : Not reported
PTP Id: Not reported
Postal District: Not reported
Lat/Lon: Not reported
Updated By: DAVIDSON, N.
Update Program: PWP
Updated: 7/28/1995
Duplicate: No
Comments : SUBMITAL OF SITE CHARACTERIZATION OF TANK FAILURE AT SITE REC'D 5/25/95. SOIL CONTAMINATION FOUND - NO FREE PRODUCT. 3 GW MONITORING WELLS INSTALLED. 2 TANKS TO BE ABANDONED IN PLACE DUE TO PRESENCE OF GAS LINE. ABANDONMENT SCHEDULED TO START 7/1 /95.
Federal
EPA CERCLIS Id : Not reported
Number EPA RCRIS Id : Not reported
Site on EPA's CERCLIS : Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

MERIDEN SERVICE CENTER (Continued)

1000247986

Site Archived from CERCLIS :	Not reported
Date of archive :	Not reported
EPA's Removal at Site :	Not reported
Deferred to another EPA Program :	Not reported
EPA Env Priority Initiative Site :	Not reported
Federal Facility :	Not reported
Site on EPA's National Priority List :	Not reported
Part of an NPL site :	Not reported
RCRA Generator Status :	Not reported
RCRA Permit Status :	Not reported
Referral	
Referral Id:	2351
Source of referral:	COMPLAINT
Date received:	5/25/1995
Staff assigned:	Not reported
Remediation program:	Not reported
Date assigned:	Not reported
Date completed:	Not reported
Outcome:	Not reported
Remedial	
Remedial Id :	Not reported
PTP Id :	Not reported
Remediation Program :	Not reported
Remediation Program Entered :	Not reported
Staff Assigned :	Not reported
Remediation Program :	Not reported
Date assigned :	Not reported
Project Phase :	Not reported
Order issued :	Not reported
Order Number :	Not reported
Date order issued :	Not reported
Remedial Investigation Start :	Not reported
Remedial Investigation Completed :	Not reported
Remedial Design Start :	Not reported
Remedial Design complet :	Not reported
Remedial Action Start :	Not reported
Remedial Action Completed :	Not reported
Date Oper/ maintenance Started :	Not reported
GW monitoring :	Not reported
Remediation complete Approved DEP/Verified by LEP :	Not reported
Orders	
Order Id :	Not reported
Order number :	Not reported
Date Order Issued :	Not reported
Staff assigned :	Not reported
Type of Order :	Not reported
Order Respondent :	Not reported
Admin Appeal Date :	Not reported
Admin Appeal Ruling :	Not reported
Date of Admin Appeal Ruling :	Not reported
Date of Final Order :	Not reported
Date of Court Appeal :	Not reported
Court ruling :	Not reported
Date of Court Ruling :	Not reported
Date Order Modified :	Not reported
Date Order Revoked :	Not reported
Date Referred to AG :	Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

HANOVER TOWERS (Continued)

S103161449

Gasoline : False
Other Release : Not reported
Leak : False
Tank : False
Piping : False
Overfill : False
Removal : False
Cost Recvry Prgm Candidate : False
OCSRD Complete : True
Responsible Party : False
Follow Up Flag : False
Alternate Water Supply : False
Relocation : False
Resp Party Name 1 : Not reported
Resp Party Address 1 : Not reported
Resp Party Phone : Not reported
Resp Party Fax : Not reported
Resp Party Name 2 : Not reported
Resp Party Address 2 : Not reported
Resp Party Phone 2 : Not reported
Resp Party Town Number : 0
LUST Owner Id : Not reported
Investigator Id : 35
Follow Update : Not reported
Lust Status : Completed
Processing Status : Not reported
Area Lextent : Not reported
Annual Precipitation : Not reported
Effectted Population : Not reported
Population Setting : Not reported
Ground Water Direction : Not reported
Ground Water Gradient : Not reported
Hydro Basin : Not reported
Drastic : Not reported
Geo Setting : Not reported
Ground Water Classification : Not reported
Receptor : Not reported
Ground Water Flow Direction : Not reported
Ground Water Depth : Not reported
Areas Of Concern : Not reported
Free Product Inches : Not reported
Fund Date : Not reported
Fund Planned : 0
Fund Obligated : 0
Fund Outlayed : 0
Fund Judgment : 0
Fund Recovered : 0
Cellar Borings : False
Install Micro Wells : False
Ground Water Sample : False
Soil Sample : False
Soil Gas : False
Site Inspect : False
Soil Excavate : False
Geo Probe : False
Survey : False

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

HANOVER TOWERS (Continued)

EDR ID Number
 EPA ID Number

Database(s)

S103161449

Potable Well Sample : False
 Ground Water Gauging : False
 Soil Venting : False
 No Release: False
 No LUST Site: False
 Facility City Num : 80
 Sample MWS : F
 Active : F
 NOV Action : None
 NOV Issued : Not reported
 NOV Due : Not reported
 NOV Received : Not reported
 NOV Closed : Not reported
 NOV Disc Date : Not reported
 NOV Issued Date : Not reported
 NOV Compliance Sched : Not reported
 NOV Admin Order : Not reported
 NOV Referred To Ag : Not reported
 Stop All NOV Actions : F
 Release Invest Rpt : F
 DEP App Letter 1 : F
 Correct Action Plan : F
 DEP App Letter 2 : F
 Rem Sys Install : F
 Rem Sys Install Date : Not reported
 Closure Date : Not reported
 Rem Sys Monitoring Rpt : F
 Qrtly Gwater Mon Rpts : F
 Closure Req Rpt : F
 DEP Closure Letter : F
 Referred To : Not reported
 No Wells : Not reported
 Lph Wells : Not reported
 User Stamp : Not reported
 Date Stamp : Not reported
 Correspondence : Not reported
 Environmental Impact : Not reported
 Follow Up : Not reported
 GW Comments : Not reported
 Location Desc: Not reported
 NOV Comments : Not reported
 Release Desc : Not reported
 Running Comments : Not reported
 Work Performed : Not reported

SPILL:

Case Number: 9704369
 Year of Database: 8/8/1997
 Report Date: 8/8/1997
 Phone 1 : 860-8757655
 Phone 2 : -
 Area Code 3: Not reported
 Representing: gza
 Qty (Gallon): 0
 Qty (Pound): 0
 Concentration: 0
 Continuous Spill: No
 Release Status: Terminated

Who Took Spill: 916
 Reported By: stanley dynia
 Qty (Yard): 0
 Qty (Drum): 0

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

HANOVER TOWERS (Continued)

S103161449

Water Body: Not reported
 Total (Water): 0 Recovd (Total):: 0
 Who Assigned Spill: Not reported
 Facility Status: closed
 Emergency Measure: Removing two 20,000 gallon USTs, soil contamination, tanks will be removed Monday/Tuesday. Clean Harbors contracted.
 Assigned To: 0
 Discharger: hanover towers limited partnership
 Telephone: Not reported
 Responsible Party: YES
 Released Substance: #2 FUEL OIL
 RP Address: CT
 Date Release : 8/8/1997 Time Release : 3:27:00 PM
 Waterbody : No Date Responded : Not reported
 Time Responded :3:27:00 PM
 Historic : No Qty Rec Water : Not reported
 Waterway : Not reported OPA : Not reported
 EPA : Not reported EPA Contact : Not reported
 EPA Date : Not reported EPA Time : Not reported
 USCG : Not reported USCG Contact : Not reported
 USCG Date : Not reported USCG Time : Not reported
 Spill Fund : Not reported Authorized By : Not reported
 Date Authorized : Not reported Time Authorized : Not reported
 Discharger Addr : Not reported
 Accepted By : Not reported
 Date Accepted : Not reported Time Authorized : Not reported
 OCSR Rep : Not reported
 Property Owner1 :Not reported Owner 1 Area : Not reported
 Owner 1 Phone : Not reported
 Owner 1 Address :Not reported
 Not reported
 Owner 2 Area : Not reported Owner 2 Phone : Not reported
 Owner 2 Address :Not reported
 Not reported
 Transportation : Not reported Make : Not reported
 Registration : Not reported Tractor No : Not reported
 Trailer Registrtn : Not reported Vehicle Operator : Not reported
 License No : Not reported Vehicle Owner : Not reported
 Owner Area : Not reported Owner Phone : Not reported
 Special Contact : Not reported Contractor Retained:Not reported
 Date Requested : Not reported Time Requested : Not reported
 Date Arrived : Not reported Time Arrived : Not reported
 User Stamp : Not reported
 Time Stamp : 8/11/1997 9:21:38 AM Sr Inspector Name :Stavola Rosanne
 At Inspctr Name : **NO RESPONSE
 Sign 1 : Not reported
 Sign 2 : Not reported
 Sign 3 : Not reported
 Sign 4 : Not reported
 Sign 5 : Not reported
 Sign 6 : Not reported
 Sign 7 : Not reported
 Corrective Action:
 Action ID : 17
 Other Action : Not reported
 Action ID : 18
 Other Action : Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

HANOVER TOWERS (Continued)

S103161449

Agency Notified:
Agency ID : 3
Other Agency : Not reported
DEP Bureau : Not reported
DEP Agency : Not reported
Agency ID : 9
Other Agency : Not reported
DEP Bureau : BUREAU OF WASTE MANAGEMENT
DEP Agency : OIL AND CHEMICAL SPILL RESPONSE
Cause of Incident:
Cause ID : 9
Other Cause : Not reported
Media:
Media ID : 4
Other Media : Not reported
Release Class:
Class ID : Not reported
Other Class : Not reported
Release Type:
Release ID : 1
Other Release : Not reported
Waterbody:
Waterbody ID : Not reported
Other Wtrbody : Not reported

C7
North
< 1/8
425 ft.

HANOVER TOWERS REALTY
76 BUTLER ST.
MERIDEN, CT 06450

UST U002027907
N/A

Relative:
Lower

Site 2 of 2 in cluster C

UST:
Facility Id: 3879
Tank ID: 1
Alt. Facility ID: 80-3879
Alt. Tank ID: A1
Tank Status: Permanently Out of Use
Capacity: 20000
Substance: Heating Oil
Closure Status: Tank removed from ground
Date Installed: 6/1/1980
Date Last Used: 8/1/1997
Tank Material: Asphalt Coated or Bare Steel
2ndary Material: None
Pipe Material: Unknown
2ndary Material: None
Spill Installed: No
Overfill Installed: No
Owner: CARABETTA MANAGEMENT COMPANY
200 PRATT STREET
Meriden, CT 06450
Lat/Long: 41° 32' 11" / 72° 48' 22"

Actual:
142 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

HANOVER TOWERS REALTY (Continued)

U002027907

Facility Id: 3879
Tank ID: 3
Alt. Facility ID: 80-3879
Alt. Tank ID: B1
Tank Status: Permanently Out of Use
Capacity: 1000
Substance: Diesel
Closure Status: Tank removed from ground
Date Installed: 1/1/1980
Date Last Used: 8/1/1997
Tank Material: Asphalt Coated or Bare Steel
2ndary Material: None
Pipe Material: Bare Steel
2ndary Material: None
Spill Installed: No
Overfill Installed: No
Owner: CARABETTA MANAGEMENT COMPANY
200 PRATT STREET
Meriden, CT 06450
Lat/Long: 41° 32' 11" / 72° 48' 22"

Facility Id: 3879
Tank ID: 5
Alt. Facility ID: 80-3879
Alt. Tank ID: B1R1
Tank Status: Currently In Use
Capacity: 1000
Substance: Diesel
Closure Status: Not reported
Date Installed: 8/1/1997
Date Last Used: Not reported
Tank Material: Composite (Steel w/ FRP)
2ndary Material: Double-Walled
Pipe Material: Flexible Plastic
2ndary Material: Secondary Containment
Spill Installed: Yes
Overfill Installed: Yes
Owner: CARABETTA MANAGEMENT COMPANY
200 PRATT STREET
Meriden, CT 06450
Lat/Long: 41° 32' 11" / 72° 48' 22"

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

HANOVER TOWERS REALTY (Continued)

U002027907

Facility Id: 3879
Tank ID: 4
Alt. Facility ID: 80-3879
Alt. Tank ID: A1R1
Tank Status: Currently In Use
Capacity: 20000
Substance: Heating Oil
Closure Status: Not reported
Date Installed: 8/1/1997
Date Last Used: Not reported
Tank Material: Composite (Steel w/ FRP)
2ndary Material: Double-Walled
Pipe Material: Flexible Plastic
2ndary Material: Secondary Containment
Spill Installed: Yes
Overfill Installed: Yes
Owner: CARABETTA MANAGEMENT COMPANY
200 PRATT STREET
Meriden, CT 06450
Lat/Long: 41° 32' 11" / 72° 48' 22"

Facility Id: 3879
Tank ID: 2
Alt. Facility ID: 80-3879
Alt. Tank ID: A2
Tank Status: Permanently Out of Use
Capacity: 20000
Substance: Heating Oil
Closure Status: Tank removed from ground
Date Installed: 6/1/1980
Date Last Used: 8/1/1997
Tank Material: Asphalt Coated or Bare Steel
2ndary Material: None
Pipe Material: Unknown
2ndary Material: None
Spill Installed: No
Overfill Installed: No
Owner: CARABETTA MANAGEMENT COMPANY
200 PRATT STREET
Meriden, CT 06450
Lat/Long: 41° 32' 11" / 72° 48' 22"

D8 VACANT
SSW 35 MERIDIAN STREET
< 1/8 MERIDEN, CT 06450
580 ft. Site 1 of 2 in cluster D
Relative: Higher
Actual: 152 ft.

UST U000846972
N/A

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

VACANT (Continued)

U000846972

UST:

Facility Id: 10709
 Tank ID: 1
 Alt. Facility ID: 80-10709
 Alt. Tank ID: A1
 Tank Status: Permanently Out of Use
 Capacity: 1000
 Substance: Heating Oil
 Closure Status: Removed
 Date Installed: 1/1/1950
 Date Last Used: 1/1/1992
 Tank Material: Asphalt Coated or Bare Steel
 2ndary Material: None
 Pipe Material: Unknown
 2ndary Material: None
 Spill Installed: No
 Overfill Installed: No
 Owner: SOUTHLINGTON SAVINGS BANK
 121 MAIN ST.
 Southington, CT 06489
 Lat/Long: 41° 31' 58" / 72° 48' 28"

**D9
 SSW
 < 1/8
 580 ft.**

**PERSONAL EXPRESSIONS
 35 MERIDIAN STREET
 MERIDEN, CT**

**CT PROPERTY S104188022
 SDADB N/A**

Site 2 of 2 in cluster D

**Relative:
 Higher**

CT Property:
 Date Received: 3/24/1992
 Property Transfer Forms: Form I (DEP-PERD-PTP-201) when no release of hazardous waste has occurred at the parcel being transferred.
 Seller Name : Southington Savings Bank
 Buyer Name : Roger Ahlquist
 Certifying Party : Not reported
 Certifying Attention Person : Not reported
 Title Of Certifying Person : Not reported
 Certifying Person Address : Not reported
 Ackn Date : 5/5/1992
 Determination Date : Not reported
 LEP Verified/DEP Approval Date : Not reported

**Actual:
 152 ft.**

Site Discovery and Assessment:

Facility ID: 4461
 WPC Number : Not reported
 Rem ID : Not reported
 Lat/Long : Not reported
 Lat/Long Determined By : Not reported
 Waste Type 1 : Not reported
 Waste Type 2 : Not reported
 Waste Type 3 : Not reported
 Disposal 1 : Not reported
 Disposal 2 : Not reported
 Disposal 3 : Not reported
 Sample Data Available : No
 Ground Water Quality Classification : Not reported
 Surface Water Quality Classification : Not reported
 PTP Id: 960

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

PERSONAL EXPRESSIONS (Continued)

S104188022

Postal District:	Not reported
Lat/Lon:	Not reported
Updated By:	Not reported
Update Program:	Not reported
Updated:	Not reported
Duplicate:	No
Federal	
EPA CERCLIS Id :	Not reported
Number EPA RCRIS Id :	Not reported
Site on EPA's CERCLIS :	Not reported
Site Archived from CERCLIS :	Not reported
Date of archive :	Not reported
EPA's Removal at Site :	Not reported
Deferred to another EPA Program :	Not reported
EPA Env Priority Initiative Site :	Not reported
Federal Facility :	Not reported
Site on EPA's National Priority List :	Not reported
Part of an NPL site :	Not reported
RCRA Generator Status :	Not reported
RCRA Permit Status :	Not reported
Referral	
Referral Id:	4620
Source of referral:	PTP
Date received:	3/24/1992
Staff assigned:	Not reported
Remediation program:	PTP
Date assigned:	Not reported
Date completed:	3/24/1992
Outcome:	PTP
Remedial	
Remedial Id :	Not reported
PTP Id :	Not reported
Remediation Program :	Not reported
Remediation Program Entered :	Not reported
Staff Assigned :	Not reported
Remediation Program :	Not reported
Date assigned :	Not reported
Project Phase :	Not reported
Order issued :	Not reported
Order Number :	Not reported
Date order issued :	Not reported
Remedial Investigation Start :	Not reported
Remedial Investigation Completed :	Not reported
Remedial Design Start :	Not reported
Remedial Design complet :	Not reported
Remedial Action Start :	Not reported
Remedial Action Completed :	Not reported
Date Oper/ maintenance Started :	Not reported
GW monitoring :	Not reported
Remediation complete Approved DEP/Verified by LEP :	Not reported
Orders	
Order Id :	Not reported
Order number :	Not reported
Date Order Issued :	Not reported
Staff assigned :	Not reported
Type of Order :	Not reported
Order Respondent :	Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

PERSONAL EXPRESSIONS (Continued)

S104188022

Admin Appeal Date :	Not reported
Admin Appeal Ruling :	Not reported
Date of Admin Appeal Ruling :	Not reported
Date of Final Order :	Not reported
Date of Court Appeal :	Not reported
Court ruling :	Not reported
Date of Court Ruling :	Not reported
Date Order Modified :	Not reported
Date Order Revoked :	Not reported
Date Referred to AG :	Not reported
Judgement :	Not reported
Date of AGR judgement :	Not reported
Penalty assessed :	Not reported
Order Complete :	Not reported
In compliance :	Not reported
Comments :	Not reported

**E10
 NNW
 < 1/8
 625 ft.**

**KOGUT NURSERY
 YALE AVE.
 MERIDEN, CT 06450**

**UST U002029672
 N/A**

Site 1 of 2 in cluster E

**Relative:
 Lower**

UST:
 Facility Id: 7214
 Tank ID: 2
 Alt. Facility ID: 80-7214
 Alt. Tank ID: B1
 Tank Status: Currently In Use
 Capacity: 4000
 Substance: Gasoline
 Closure Status: Not reported
 Date Installed: 7/1/1987
 Date Last Used: Not reported
 Tank Material: Fiberglass Reinforced Plastic
 2ndary Material: None
 Pipe Material: Fiberglass Reinforced Plastic
 2ndary Material: None
 Spill Installed: No
 Overfill Installed: No
 Owner: KOGUT FLORIST & NURSERYMAN, INC
 YALE AVE.
 Meriden, CT 06450
 Lat/Long: 41° 31' 26" / 72° 47' 36"

**Actual:
 128 ft.**

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

KOGUT NURSERY (Continued)

U002029672

Facility Id: 7214
Tank ID: 3
Alt. Facility ID: 80-7214
Alt. Tank ID: F1
Tank Status: Permanently Out of Use
Capacity: 4000
Substance: Gasoline
Closure Status: Removed
Date Installed: 6/1/1978
Date Last Used: 8/1/1987
Tank Material: Asphalt Coated or Bare Steel
2ndary Material: None
Pipe Material: Galvanized Steel
2ndary Material: None
Spill Installed: No
Overfill Installed: No
Owner: KOGUT FLORIST & NURSERYMAN, INC
 YALE AVE.
 Meriden, CT 06450
Lat/Long: 41° 31' 26" / 72° 47' 36"

Facility Id: 7214
Tank ID: 5
Alt. Facility ID: 80-7214
Alt. Tank ID: GU1
Tank Status: Permanently Out of Use
Capacity: 4000
Substance: Gasoline
Closure Status: Removed
Date Installed: 9/1/1982
Date Last Used: 8/1/1987
Tank Material: Asphalt Coated or Bare Steel
2ndary Material: None
Pipe Material: Galvanized Steel
2ndary Material: None
Spill Installed: No
Overfill Installed: No
Owner: KOGUT FLORIST & NURSERYMAN, INC
 YALE AVE.
 Meriden, CT 06450
Lat/Long: 41° 31' 26" / 72° 47' 36"

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

KOGUT NURSERY (Continued)

EDR ID Number
EPA ID Number

Database(s)

U002029672

Facility Id: 7214
Tank ID: 4
Alt. Facility ID: 80-7214
Alt. Tank ID: GR1
Tank Status: Permanently Out of Use
Capacity: 4000
Substance: Gasoline
Closure Status: Removed
Date Installed: 9/1/1979
Date Last Used: 8/1/1987
Tank Material: Asphalt Coated or Bare Steel
2ndary Material: None
Pipe Material: Galvanized Steel
2ndary Material: None
Spill Installed: No
Overfill Installed: No
Owner: KOGUT FLORIST & NURSERYMAN, INC
YALE AVE.
Meriden, CT 06450
Lat/Long: 41° 31' 26" / 72° 47' 36"

Facility Id: 7214
Tank ID: 1
Alt. Facility ID: 80-7214
Alt. Tank ID: A1
Tank Status: Currently In Use
Capacity: 2000
Substance: Diesel
Closure Status: Not reported
Date Installed: 7/1/1987
Date Last Used: Not reported
Tank Material: Fiberglass Reinforced Plastic
2ndary Material: None
Pipe Material: Fiberglass Reinforced Plastic
2ndary Material: None
Spill Installed: No
Overfill Installed: No
Owner: KOGUT FLORIST & NURSERYMAN, INC
YALE AVE.
Meriden, CT 06450
Lat/Long: 41° 31' 26" / 72° 47' 36"

11
NW
1/8-1/4
671 ft.

**MERIDEN MEDICAL CENTER
COOK AVE
MERIDEN, CT 06450**

**UST U002029620
N/A**

**Relative:
Lower**

**Actual:
130 ft.**

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

MERIDEN MEDICAL CENTER (Continued)

U002029620

UST:

Facility Id: 7125
Tank ID: 1
Alt. Facility ID: 80-7125
Alt. Tank ID: A1
Tank Status: Currently In Use
Capacity: 10000
Substance: Gasoline
Closure Status: Not reported
Date Installed: 8/1/1977
Date Last Used: Not reported
Tank Material: Asphalt Coated or Bare Steel
2ndary Material: None
Pipe Material: Not Listed
2ndary Material: None
Spill Installed: No
Overfill Installed: No
Owner: MERIDEN MEDICAL CENTER ASSOC. LIM.
PO BOX 724
Meriden, CT 06450
Lat/Long: 4° 13' 25" / 72° 48' 28"

12
ENE
1/8-1/4
688 ft.

TOOLING TECHNOLOGY, INC.
26 CHERRY STREET
MERIDEN, CT 06450

UST U002172057
N/A

Relative:
Higher

UST:

Actual:
152 ft.

Facility Id: 11055
Tank ID: 1
Alt. Facility ID: 80-11055
Alt. Tank ID: A1
Tank Status: Permanently Out of Use
Capacity: 1000
Substance: Gasoline
Closure Status: Removed
Date Installed: 5/1/1950
Date Last Used: 10/1/1993
Tank Material: Asphalt Coated or Bare Steel
2ndary Material: None
Pipe Material: Unknown
2ndary Material: None
Spill Installed: No
Overfill Installed: No
Owner: GREGORY GASSMAN
26 CHERRY ST.
Meriden, CT 06450
Lat/Long: 0° 40' 11" / 7° 14' 51"

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

E13 **KWIK MART**
NNW **80 COOK AVENUE**
1/8-1/4 **MERIDEN, CT 06450**
709 ft.

UST **U002175283**
N/A

Site 2 of 2 in cluster E

Relative:
Lower

UST:

Actual:
128 ft.

Facility Id: 7103
 Tank ID: 4
 Alt. Facility ID: 80-7103
 Alt. Tank ID: T1
 Tank Status: Currently In Use
 Capacity: 6000
 Substance: Gasoline
 Closure Status: Not reported
 Date Installed: 11/1/1998
 Date Last Used: Not reported
 Tank Material: Fiberglass Reinforced Plastic
 2ndary Material: Double-Walled
 Pipe Material: Fiberglass Reinforced Plastic
 2ndary Material: Double-Walled
 Spill Installed: Yes
 Overfill Installed: Yes
 Owner: MIC 1 ENT. LLC
 80 COOK AVENUE
 Meriden, CT 06450
 Lat/Long: 4° 13' 29" / 72° 48' 29"

Facility Id: 7103
 Tank ID: 5
 Alt. Facility ID: 80-7103
 Alt. Tank ID: T2
 Tank Status: Currently In Use
 Capacity: 6000
 Substance: Gasoline
 Closure Status: Not reported
 Date Installed: 11/1/1998
 Date Last Used: Not reported
 Tank Material: Fiberglass Reinforced Plastic
 2ndary Material: Double-Walled
 Pipe Material: Fiberglass Reinforced Plastic
 2ndary Material: Double-Walled
 Spill Installed: Yes
 Overfill Installed: Yes
 Owner: MIC 1 ENT. LLC
 80 COOK AVENUE
 Meriden, CT 06450
 Lat/Long: 4° 13' 29" / 72° 48' 29"

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

KWIK MART (Continued)

U002175283

Facility Id: 7103
Tank ID: 2
Alt. Facility ID: 80-7103
Alt. Tank ID: B2
Tank Status: Permanently Out of Use
Capacity: 6000
Substance: Gasoline
Closure Status: Tank removed from ground
Date Installed: 5/1/1986
Date Last Used: 8/1/1998
Tank Material: Fiberglass Reinforced Plastic
2ndary Material: None
Pipe Material: Fiberglass Reinforced Plastic
2ndary Material: None
Spill Installed: Yes
Overfill Installed: Yes
Owner: MIC 1 ENT. LLC
80 COOK AVENUE
Meriden, CT 06450
Lat/Long: 4° 13' 29" / 72° 48' 29"

Facility Id: 7103
Tank ID: 3
Alt. Facility ID: 80-7103
Alt. Tank ID: C3
Tank Status: Permanently Out of Use
Capacity: 6000
Substance: Gasoline
Closure Status: Tank removed from ground
Date Installed: 5/1/1986
Date Last Used: 8/1/1998
Tank Material: Asphalt Coated or Bare Steel
2ndary Material: None
Pipe Material: Fiberglass Reinforced Plastic
2ndary Material: None
Spill Installed: No
Overfill Installed: No
Owner: MIC 1 ENT. LLC
80 COOK AVENUE
Meriden, CT 06450
Lat/Long: 4° 13' 29" / 72° 48' 29"

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

KWIK MART (Continued)

U002175283

Facility Id: 7103
 Tank ID: 1
 Alt. Facility ID: 80-7103
 Alt. Tank ID: A1
 Tank Status: Permanently Out of Use
 Capacity: 6000
 Substance: Gasoline
 Closure Status: Tank removed from ground
 Date Installed: 5/1/1986
 Date Last Used: 8/1/1998
 Tank Material: Fiberglass Reinforced Plastic
 2ndary Material: None
 Pipe Material: Fiberglass Reinforced Plastic
 2ndary Material: None
 Spill Installed: Yes
 Overfill Installed: Yes
 Owner: MIC 1 ENT. LLC
 80 COOK AVENUE
 Meriden, CT 06450
 Lat/Long: 4° 13' 29" / 72° 48' 29"

F14
West
1/8-1/4
735 ft.

MID STATE MEDICAL CENTER
1 KING PL
MERIDEN, CT

ENF S106427565
BROWNFIELDS N/A

Site 1 of 2 in cluster F

Relative:
Higher

CT BROWNFIELD:
 Acres: 2.7000000000000002
 Spill ID: 91
 Past Use : Former Hospital
 Recorded : True
 Road Access : Rte 15/ I-691

Actual:
152 ft.

CT Enforcement:
 Enforcement Action Id : NVAR1478001115
 Enforcement Type Code : NOV
 Program Id : NSR
 Enforcement Action Date : 11/28/2001 12:00AM
 Penalty Amount : Not reported
 Sep Amt : Not reported
 Bureau Name : BUREAU OF AIR MANAGEMENT

F15
West
1/8-1/4
736 ft.

VETERANS MEMORIAL MEDICAL CENTER, WEST
1 KINGS PL.
MERIDEN, CT 06450

UST U002175273
N/A

Site 2 of 2 in cluster F

Relative:
Higher

Actual:
152 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

VETERANS MEMORIAL MEDICAL CENTER, WEST (Continued)

U002175273

UST:

Facility Id: 7086
Tank ID: 1
Alt. Facility ID: 80-7086
Alt. Tank ID: A1
Tank Status: Permanently Out of Use
Capacity: 20000
Substance: Heating Oil
Closure Status: Closed in Place
Date Installed: 1/1/1954
Date Last Used: 3/1/1984
Tank Material: Asphalt Coated or Bare Steel
2ndary Material: None
Pipe Material: Galvanized Steel
2ndary Material: None
Spill Installed: No
Overfill Installed: No
Owner: VETERANS MEMORIAL MEDICAL CENTER, WEST
1 KINGS PL.
Meriden, CT 06450
Lat/Long: 4° 13' 21" / 72° 48' 32"

Facility Id: 7086
Tank ID: 2
Alt. Facility ID: 80-7086
Alt. Tank ID: A1R1
Tank Status: Currently In Use
Capacity: 15000
Substance: Heating Oil
Closure Status: Not reported
Date Installed: 10/1/1990
Date Last Used: Not reported
Tank Material: Asphalt Coated or Bare Steel
2ndary Material: None
Pipe Material: Galvanized Steel
2ndary Material: None
Spill Installed: No
Overfill Installed: No
Owner: VETERANS MEMORIAL MEDICAL CENTER, WEST
1 KINGS PL.
Meriden, CT 06450
Lat/Long: 4° 13' 21" / 72° 48' 32"

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

VETERANS MEMORIAL MEDICAL CENTER, WEST (Continued)

U002175273

Facility Id: 7086
Tank ID: 3
Alt. Facility ID: 80-7086
Alt. Tank ID: A2
Tank Status: Currently In Use
Capacity: 2000
Substance: Gasoline
Closure Status: Not reported
Date Installed: 2/1/1982
Date Last Used: Not reported
Tank Material: Cathodically Protected Steel
2ndary Material: None
Pipe Material: Galvanized Steel
2ndary Material: None
Spill Installed: No
Overfill Installed: No
Owner: VETERANS MEMORIAL MEDICAL CENTER, WEST
1 KINGS PL.
Meriden, CT 06450
Lat/Long: 4° 13' 21" / 72° 48' 32"

Facility Id: 7086
Tank ID: 4
Alt. Facility ID: 80-7086
Alt. Tank ID: A2R1
Tank Status: Currently In Use
Capacity: 2000
Substance: Heating Oil
Closure Status: Not reported
Date Installed: 2/1/1982
Date Last Used: Not reported
Tank Material: Cathodically Protected Steel
2ndary Material: None
Pipe Material: Galvanized Steel
2ndary Material: None
Spill Installed: No
Overfill Installed: No
Owner: VETERANS MEMORIAL MEDICAL CENTER, WEST
1 KINGS PL.
Meriden, CT 06450
Lat/Long: 4° 13' 21" / 72° 48' 32"

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

VETERANS MEMORIAL MEDICAL CENTER, WEST (Continued)

U002175273

Facility Id: 7086
Tank ID: 5
Alt. Facility ID: 80-7086
Alt. Tank ID: A3
Tank Status: Currently In Use
Capacity: 5000
Substance: Heating Oil
Closure Status: Not reported
Date Installed: 2/1/1982
Date Last Used: Not reported
Tank Material: Cathodically Protected Steel
2ndary Material: None
Pipe Material: Galvanized Steel
2ndary Material: None
Spill Installed: No
Overfill Installed: No
Owner: VETERANS MEMORIAL MEDICAL CENTER, WEST
1 KINGS PL.
Meriden, CT 06450
Lat/Long: 4° 13' 21" / 72° 48' 32"

Facility Id: 7086
Tank ID: 6
Alt. Facility ID: 80-7086
Alt. Tank ID: B2
Tank Status: Currently In Use
Capacity: 10000
Substance: Heating Oil
Closure Status: Not reported
Date Installed: 3/1/1984
Date Last Used: Not reported
Tank Material: Fiberglass Reinforced Plastic
2ndary Material: None
Pipe Material: Bare Steel
2ndary Material: None
Spill Installed: No
Overfill Installed: Yes
Owner: VETERANS MEMORIAL MEDICAL CENTER, WEST
1 KINGS PL.
Meriden, CT 06450
Lat/Long: 4° 13' 21" / 72° 48' 32"

16
South
1/8-1/4
753 ft.

MERIDAN GAS LIGHT CO
COOPER STREET
MERIDAN, CT 06450

Manufactured Gas Plants 1008408845
N/A

Relative:
Equal

Actual:
144 ft.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

G17 **FIRESTONE STORE 7056**
NNW **72 COOK AVE**
1/8-1/4 **MERIDEN, CT 06450**
766 ft.

RCRA-SQG **1000495317**
FINDS **CTD983894809**

Site 1 of 2 in cluster G

Relative:
Lower

RCRAInfo:
 Owner: BRIDGESTONE/FIRESTONE INC
 (216) 379-7000

Actual:
133 ft.

EPA ID: CTD983894809
 Contact: BILL PANCIERA
 (203) 235-7921

Classification: Small Quantity Generator
 TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
 RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

G18 **FIRESTONE STORE #7056**
NNW **72 COOK AVE.**
1/8-1/4 **MERIDEN, CT 06450**
779 ft.

UST **U002027765**
 N/A

Site 2 of 2 in cluster G

Relative:
Lower

UST:
 Facility Id: 3656
 Tank ID: 2
 Alt. Facility ID: 80-3656
 Alt. Tank ID: B1
 Tank Status: Permanently Out of Use
 Capacity: 500
 Substance: Used Oil
 Closure Status: Removed
 Date Installed: 1/1/1972
 Date Last Used: 9/1/1988
 Tank Material: Asphalt Coated or Bare Steel
 2ndary Material: None
 Pipe Material: Bare Steel
 2ndary Material: None
 Spill Installed: No
 Overfill Installed: No
 Owner: MODERN HOME CONSTRUCTION
 6 SO. GROVE ST.
 Meriden, CT 06450

Actual:
135 ft.

Lat/Long: 41° 32' 10" / 72° 48' 28"

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

FIRESTONE STORE #7056 (Continued)

U002027765

Facility Id: 3656
Tank ID: 1
Alt. Facility ID: 80-3656
Alt. Tank ID: A1
Tank Status: Permanently Out of Use
Capacity: 2000
Substance: Heating Oil
Closure Status: Removed
Date Installed: 1/1/1972
Date Last Used: 9/1/1988
Tank Material: Asphalt Coated or Bare Steel
2ndary Material: None
Pipe Material: Bare Steel
2ndary Material: None
Spill Installed: No
Overfill Installed: No
Owner: MODERN HOME CONSTRUCTION
6 SO. GROVE ST.
Meriden, CT 06450
Lat/Long: 41° 32' 10" / 72° 48' 28"

**19
North
1/8-1/4
865 ft.**

**MOTOR VEHICLE DEPT. (BUTLER ST. FIRE)
47 BUTLER STREET
MERIDEN, CT 06450**

**UST U004009595
N/A**

**Relative:
Lower**

UST:

**Actual:
143 ft.**

Facility Id: 7050
Tank ID: 1
Alt. Facility ID: 80-7050
Alt. Tank ID: A1
Tank Status: Permanently Out of Use
Capacity: 1000
Substance: Gasoline
Closure Status: Removed
Date Installed: 12/1/1953
Date Last Used: 11/1/1991
Tank Material: Asphalt Coated or Bare Steel
2ndary Material: None
Pipe Material: Bare Steel
2ndary Material: None
Spill Installed: No
Overfill Installed: No
Owner: CITY OF MERIDEN
142 EAST MAIN ST.
Meriden, CT 06450
Lat/Long: 41° 32' 12" / 72° 48' 24"

MAP FINDINGS

Map ID			
Direction			
Distance			
Distance (ft.)			
Elevation	Site	Database(s)	EDR ID Number EPA ID Number

H20	SOUTHERN NEW ENGLAND TELE CO	RCRA-SQG	1000407836
North	27 BUTLER ST	FINDS	CTD980514905
1/8-1/4	MERIDEN, CT 06450		
1108 ft.			

Site 1 of 3 in cluster H

Relative:	RCRAInfo:		
Higher	Owner:	SOUTHERN NEW ENGLAND TELEPHONE CO	
		(203) 555-1212	
Actual:	EPA ID:	CTD980514905	
146 ft.	Contact:	JAMES HART	
		(203) 771-3017	
	Classification:	Small Quantity Generator	
	TSDF Activities:	Not reported	
	Violation Status:	No violations found	

FINDS:

Other Pertinent Environmental Activity Identified at Site:
 AEROMETRIC INFORMATION RETRIEVAL SYSTEM/AIRS FACILITY SYSTEM
 RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

H21	MERIDEN CENTRAL OFFICE (7801)	UST	U002173432
North	27 BUTLER STREET		N/A
1/8-1/4	MERIDEN, CT 06450		
1122 ft.			

Site 2 of 3 in cluster H

Relative:	UST:		
Higher	Facility Id:	3637	
	Tank ID:	7	
Actual:	Alt. Facility ID:	80-3637	
147 ft.	Alt. Tank ID:	E5	
	Tank Status:	Currently In Use	
	Capacity:	5000	
	Substance:	Kerosene	
	Closure Status:	Not reported	
	Date Installed:	10/1/1996	
	Date Last Used:	Not reported	
	Tank Material:	Cathodically Protected Steel	
	2ndary Material:	Double-Walled	
	Pipe Material:	Copper	
	2ndary Material:	Secondary Containment	
	Spill Installed:	No	
	Overfill Installed:	Yes	
	Owner:	SNET	
		310 ORANGE STREET	
		New Haven, CT 06510	
	Lat/Long:	41° 32' 15" / 72° 48' 12"	

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

MERIDEN CENTRAL OFFICE (7801) (Continued)

U002173432

Facility Id: 3637
Tank ID: 2
Alt. Facility ID: 80-3637
Alt. Tank ID: A1R1
Tank Status: Currently In Use
Capacity: 10000
Substance: Heating Oil
Closure Status: Not reported
Date Installed: 6/1/1988
Date Last Used: Not reported
Tank Material: Fiberglass Reinforced Plastic
2ndary Material: Excavation Liner
Pipe Material: Other
2ndary Material: Secondary Containment
Spill Installed: No
Overfill Installed: Yes
Owner: SNET
310 ORANGE STREET
New Haven, CT 06510
Lat/Long: 41° 32' 15" / 72° 48' 12"

Facility Id: 3637
Tank ID: 4
Alt. Facility ID: 80-3637
Alt. Tank ID: B2R1
Tank Status: Currently In Use
Capacity: 10000
Substance: Gasoline
Closure Status: Not reported
Date Installed: 6/1/1988
Date Last Used: Not reported
Tank Material: Fiberglass Reinforced Plastic
2ndary Material: Excavation Liner
Pipe Material: Other
2ndary Material: Secondary Containment
Spill Installed: No
Overfill Installed: Yes
Owner: SNET
310 ORANGE STREET
New Haven, CT 06510
Lat/Long: 41° 32' 15" / 72° 48' 12"

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

MERIDEN CENTRAL OFFICE (7801) (Continued)

U002173432

Facility Id: 3637
Tank ID: 3
Alt. Facility ID: 80-3637
Alt. Tank ID: B2
Tank Status: Permanently Out of Use
Capacity: 10000
Substance: Gasoline
Closure Status: Removed
Date Installed: 6/1/1962
Date Last Used: 5/1/1988
Tank Material: Asphalt Coated or Bare Steel
2ndary Material: None
Pipe Material: Bare Steel
2ndary Material: None
Spill Installed: No
Overfill Installed: No
Owner: SNET
 310 ORANGE STREET
 New Haven, CT 06510
Lat/Long: 41° 32' 15" / 72° 48' 12"

Facility Id: 3637
Tank ID: 5
Alt. Facility ID: 80-3637
Alt. Tank ID: C3
Tank Status: Permanently Out of Use
Capacity: 1500
Substance: Gasoline
Closure Status: Removed
Date Installed: 6/1/1962
Date Last Used: 5/1/1988
Tank Material: Asphalt Coated or Bare Steel
2ndary Material: None
Pipe Material: Bare Steel
2ndary Material: None
Spill Installed: No
Overfill Installed: No
Owner: SNET
 310 ORANGE STREET
 New Haven, CT 06510
Lat/Long: 41° 32' 15" / 72° 48' 12"

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EPA ID Number
EDR ID Number

MERIDEN CENTRAL OFFICE (7801) (Continued)

U002173432

Facility Id: 3637
Tank ID: 1
Alt. Facility ID: 80-3637
Alt. Tank ID: A1
Tank Status: Permanently Out of Use
Capacity: 10000
Substance: Heating Oil
Closure Status: Removed
Date Installed: 6/1/1962
Date Last Used: 5/1/1988
Tank Material: Asphalt Coated or Bare Steel
2ndary Material: None
Pipe Material: Bare Steel
2ndary Material: None
Spill Installed: No
Overfill Installed: No
Owner: SNET
310 ORANGE STREET
New Haven, CT 06510
Lat/Long: 41° 32' 15" / 72° 48' 12"

Facility Id: 3637
Tank ID: 6
Alt. Facility ID: 80-3637
Alt. Tank ID: D4
Tank Status: Currently In Use
Capacity: 5000
Substance: Kerosene
Closure Status: Not reported
Date Installed: 10/1/1996
Date Last Used: Not reported
Tank Material: Cathodically Protected Steel
2ndary Material: Double-Walled
Pipe Material: Copper
2ndary Material: Secondary Containment
Spill Installed: No
Overfill Installed: Yes
Owner: SNET
310 ORANGE STREET
New Haven, CT 06510
Lat/Long: 41° 32' 15" / 72° 48' 12"

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

MERIDEN CENTRAL OFFICE (7801) (Continued)

U002173432

Facility Id: 3637
Tank ID: 8
Alt. Facility ID: 80-3637
Alt. Tank ID: F6
Tank Status: Currently In Use
Capacity: 5000
Substance: Kerosene
Closure Status: Not reported
Date Installed: 10/1/1996
Date Last Used: Not reported
Tank Material: Cathodically Protected Steel
2ndary Material: Double-Walled
Pipe Material: Copper
2ndary Material: Secondary Containment
Spill Installed: No
Overfill Installed: Yes
Owner: SNET
310 ORANGE STREET
New Haven, CT 06510
Lat/Long: 41° 32' 15" / 72° 48' 12"

22
ENE
1/8-1/4
1130 ft.

MERIDEN POST OFFICE
87 COLONY ST.
MERIDEN, CT 06450

UST U004009585
N/A

Relative:
Higher

UST:

Actual:
160 ft.

Facility Id: 6940
Tank ID: 1
Alt. Facility ID: 80-6940
Alt. Tank ID: A1
Tank Status: Permanently Out of Use
Capacity: 6000
Substance: Heating Oil
Closure Status: Removed
Date Installed: 1/1/1953
Date Last Used: 12/1/1989
Tank Material: Asphalt Coated or Bare Steel
2ndary Material: None
Pipe Material: Bare Steel
2ndary Material: None
Spill Installed: No
Overfill Installed: No
Owner: U.S. POSTAL SERVICE
87 COLONY ST.
Meriden, CT 06450
Lat/Long: 41° 32' 25" / 7° 24' 0"

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

H23
North
1/8-1/4
1147 ft.

SNET
25 BUTLER STREET
MERIDEN, CT

CT PROPERTY **S103541249**
SDADB **N/A**

Site 3 of 3 in cluster H

Relative:
Higher

CT Property:

Actual:
148 ft.

Date Received: 11/4/1998
 Property Transfer Forms: Form I (DEP-PERD-PTP-201) when no release of hazardous waste has occurred at the parcel being transferred.
 Seller Name : SNET
 Buyer Name : SBC Communications Inc.
 Certifying Party : SNET/Donald Shassian
 Certifying Attention Person : Not reported
 Title Of Certifying Person : Not reported
 Certifying Person Address : Not reported
 Ackn Date : 6/18/1999
 Determination Date : Not reported
 LEP Verified/DEP Approval Date : Not reported

Site Discovery and Assessment:

Facility ID: 4464
 WPC Number : Not reported
 Rem ID : Not reported
 Lat/Long : Not reported
 Lat/Long Determined By : Not reported
 Waste Type 1 : Not reported
 Waste Type 2 : Not reported
 Waste Type 3 : Not reported
 Disposal 1 : Not reported
 Disposal 2 : Not reported
 Disposal 3 : Not reported
 Sample Data Available : No
 Ground Water Quality Classification : Not reported
 Surface Water Quality Classification : Not reported
 PTP Id: 3001
 Postal District: Not reported
 Lat/Lon: Not reported
 Updated By: Not reported
 Update Program: Not reported
 Updated: Not reported
 Duplicate: No
 Federal
 EPA CERCLIS Id : Not reported
 Number EPA RCRIS Id : Not reported
 Site on EPA's CERCLIS : Not reported
 Site Archived from CERCLIS : Not reported
 Date of archive : Not reported
 EPA's Removal at Site : Not reported
 Deferred to another EPA Program : Not reported
 EPA Env Priority Initiative Site : Not reported
 Federal Facility : Not reported
 Site on EPA's National Priority List : Not reported
 Part of an NPL site : Not reported
 RCRA Generator Status : Not reported
 RCRA Permit Status : Not reported

Referral

Referral Id: 4623
 Source of referral: PTP

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

SNET (Continued)

S103541249

Date received: 11/4/1998
Staff assigned: Not reported
Remediation program: PTP
Date assigned: Not reported
Date completed: 11/4/1998
Outcome: PTP
Remedial
Remedial Id : Not reported
PTP Id : Not reported
Remediation Program : Not reported
Remediation Program Entered : Not reported
Staff Assigned : Not reported
Remediation Program : Not reported
Date assigned : Not reported
Project Phase : Not reported
Order issued : Not reported
Order Number : Not reported
Date order issued : Not reported
Remedial Investigation Start : Not reported
Remedial Investigation Completed : Not reported
Remedial Design Start : Not reported
Remedial Design complet : Not reported
Remedial Action Start : Not reported
Remedial Action Completed : Not reported
Date Oper/ maintenance Started : Not reported
GW monitoring : Not reported
Remediation complete Approved DEP/Verified by LEP :Not reported
Orders
Order Id : Not reported
Order number : Not reported
Date Order Issued : Not reported
Staff assigned : Not reported
Type of Order : Not reported
Order Respondent : Not reported
Admin Appeal Date : Not reported
Admin Appeal Ruling : Not reported
Date of Admin Appeal Ruling : Not reported
Date of Final Order : Not reported
Date of Court Appeal : Not reported
Court ruling : Not reported
Date of Court Ruling : Not reported
Date Order Modified : Not reported
Date Order Revoked : Not reported
Date Referred to AG : Not reported
Judgement : Not reported
Date of AGR judgement : Not reported
Penalty assessed : Not reported
Order Complete : Not reported
In compliance : Not reported
Comments : Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

24
SSW
1/8-1/4
1193 ft.

SPENCER'S GARAGE
274 COOK AVENUE
MERIDEN, CT

CT PROPERTY **S104188011**
SDADB **N/A**

Relative:
Lower

CT Property:

Date Received: 8/22/1988
 Property Transfer Forms: Form II (DEP-PERD-PTP-202) when a discharge, spillage, uncontrolled loss, seepage or filtration of hazardous waste has occurred, but a cleanup has been completed and approved in writing by the Commissioner or has been verified pursuant to section 22a-133x, 22a-133y or 22a-134a of the CGS by a licensed environmental professional (LEP) to have been performed in accordance with the remediation standards. Written documentation of the Commissioner's approval or written LEP verification must accompany the submission of the Form II.

Actual:
126 ft.

Seller Name : Elsie Spencer
 Buyer Name : Jacques and Yves Roy
 Certifying Party : Not reported
 Certifying Attention Person : Not reported
 Title Of Certifying Person : Not reported
 Certifying Person Address : Not reported
 Ackn Date : Not reported
 Determination Date : Not reported
 LEP Verified/DEP Approval Date : Not reported

Site Discovery and Assessment:

Facility ID: 4465
 WPC Number : Not reported
 Rem ID : Not reported
 Lat/Long : Not reported
 Lat/Long Determined By : Not reported
 Waste Type 1 : Not reported
 Waste Type 2 : Not reported
 Waste Type 3 : Not reported
 Disposal 1 : Not reported
 Disposal 2 : Not reported
 Disposal 3 : Not reported
 Sample Data Available : No
 Ground Water Quality Classification : Not reported
 Surface Water Quality Classification : Not reported
 PTP Id: 2366
 Postal District: Not reported
 Lat/Lon: Not reported
 Updated By: Not reported
 Update Program: Not reported
 Updated: Not reported
 Duplicate: No
 Federal
 EPA CERCLIS Id : Not reported
 Number EPA RCRIS Id : Not reported
 Site on EPA's CERCLIS : Not reported
 Site Archived from CERCLIS : Not reported
 Date of archive : Not reported
 EPA's Removal at Site : Not reported
 Deferred to another EPA Program : Not reported
 EPA Env Priority Initiative Site : Not reported
 Federal Facility : Not reported
 Site on EPA's National Priority List : Not reported
 Part of an NPL site : Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

SPENCER'S GARAGE (Continued)

S104188011

RCRA Generator Status : Not reported
RCRA Permit Status : Not reported
Referral
Referral Id: 4624
Source of referral: PTP
Date received: 8/22/1988
Staff assigned: Not reported
Remediation program: PTP
Date assigned: Not reported
Date completed: 8/22/1988
Outcome: PTP
Remedial
Remedial Id : Not reported
PTP Id : Not reported
Remediation Program : Not reported
Remediation Program Entered : Not reported
Staff Assigned : Not reported
Remediation Program : Not reported
Date assigned : Not reported
Project Phase : Not reported
Order issued : Not reported
Order Number : Not reported
Date order issued : Not reported
Remedial Investigation Start : Not reported
Remedial Investigation Completed : Not reported
Remedial Design Start : Not reported
Remedial Design complet : Not reported
Remedial Action Start : Not reported
Remedial Action Completed : Not reported
Date Oper/ maintenance Started : Not reported
GW monitoring : Not reported
Remediation complete Approved DEP/Verified by LEP :Not reported
Orders
Order Id : Not reported
Order number : Not reported
Date Order Issued : Not reported
Staff assigned : Not reported
Type of Order : Not reported
Order Respondent : Not reported
Admin Appeal Date : Not reported
Admin Appeal Ruling : Not reported
Date of Admin Appeal Ruling : Not reported
Date of Final Order : Not reported
Date of Court Appeal : Not reported
Court ruling : Not reported
Date of Court Ruling : Not reported
Date Order Modified : Not reported
Date Order Revoked : Not reported
Date Referred to AG : Not reported
Judgement : Not reported
Date of AGR judgement : Not reported
Penalty assessed : Not reported
Order Complete : Not reported
In compliance : Not reported
Comments : Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

25 **HARBOR TOWERS LIM.PART.**
NNE **60 HANOVER ST.**
1/8-1/4 **MERIDEN, CT 06450**
1198 ft.

UST **U002173565**
N/A

Relative:
Lower

UST:
 Facility Id: 3883
 Tank ID: 1
 Alt. Facility ID: 80-3883
 Alt. Tank ID: A1
 Tank Status: Permanently Out of Use
 Capacity: 15000
 Substance: Heating Oil
 Closure Status: Tank removed from ground
 Date Installed: 5/1/1983
 Date Last Used: 8/1/1997
 Tank Material: Asphalt Coated or Bare Steel
 2ndary Material: None
 Pipe Material: Unknown
 2ndary Material: None
 Spill Installed: No
 Overfill Installed: No
 Owner: CARABETTA MANAGEMENT COMPANY
 200 PRATT STREET
 Meriden, CT 06450
 Lat/Long: 41° 32' 14" / 72° 48' 20"

Actual:
139 ft.

Facility Id: 3883
 Tank ID: 2
 Alt. Facility ID: 80-3883
 Alt. Tank ID: A2
 Tank Status: Permanently Out of Use
 Capacity: 10000
 Substance: Diesel
 Closure Status: Tank removed from ground
 Date Installed: 12/1/1983
 Date Last Used: 8/1/1997
 Tank Material: Asphalt Coated or Bare Steel
 2ndary Material: None
 Pipe Material: Unknown
 2ndary Material: None
 Spill Installed: No
 Overfill Installed: No
 Owner: CARABETTA MANAGEMENT COMPANY
 200 PRATT STREET
 Meriden, CT 06450
 Lat/Long: 41° 32' 14" / 72° 48' 20"

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EPA ID Number
EDR ID Number

HARBOR TOWERS LIM.PART. (Continued)

U002173565

Facility Id: 3883
Tank ID: 3
Alt. Facility ID: 80-3883
Alt. Tank ID: B1
Tank Status: Permanently Out of Use
Capacity: 1000
Substance: Diesel
Closure Status: Tank removed from ground
Date Installed: Not reported
Date Last Used: 8/1/1997
Tank Material: Not Listed
2ndary Material: None
Pipe Material: Not Listed
2ndary Material: None
Spill Installed: No
Overfill Installed: No
Owner: CARABETTA MANAGEMENT COMPANY
200 PRATT STREET
Meriden, CT 06450
Lat/Long: 41° 32' 14" / 72° 48' 20"

Facility Id: 3883
Tank ID: 5
Alt. Facility ID: 80-3883
Alt. Tank ID: B1R1
Tank Status: Currently In Use
Capacity: 1000
Substance: Diesel
Closure Status: Not reported
Date Installed: 8/1/1997
Date Last Used: Not reported
Tank Material: Composite (Steel w/ FRP)
2ndary Material: Double-Walled
Pipe Material: Flexible Plastic
2ndary Material: Secondary Containment
Spill Installed: Yes
Overfill Installed: Yes
Owner: CARABETTA MANAGEMENT COMPANY
200 PRATT STREET
Meriden, CT 06450
Lat/Long: 41° 32' 14" / 72° 48' 20"

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

HARBOR TOWERS LIM.PART. (Continued)

U002173565

Facility Id: 3883
Tank ID: 4
Alt. Facility ID: 80-3883
Alt. Tank ID: A1R1
Tank Status: Currently In Use
Capacity: 20000
Substance: Heating Oil
Closure Status: Not reported
Date Installed: 8/1/1997
Date Last Used: Not reported
Tank Material: Composite (Steel w/ FRP)
2ndary Material: Double-Walled
Pipe Material: Flexible Plastic
2ndary Material: Secondary Containment
Spill Installed: Yes
Overfill Installed: Yes
Owner: CARABETTA MANAGEMENT COMPANY
200 PRATT STREET
Meriden, CT 06450
Lat/Long: 41° 32' 14" / 72° 48' 20"

26
SSW
1/8-1/4
1319 ft.

MODERN HOME CONSTRUCTION
292 COOK AVE.
MERIDEN, CT 06450

UST U004009192
N/A

Relative:
Lower

UST:

Actual:
123 ft.

Facility Id: 3300
Tank ID: 1
Alt. Facility ID: 80-3300
Alt. Tank ID: A1
Tank Status: Permanently Out of Use
Capacity: 2000
Substance: Gasoline
Closure Status: Closed in Place
Date Installed: 1/1/1950
Date Last Used: 1/1/1966
Tank Material: Asphalt Coated or Bare Steel
2ndary Material: None
Pipe Material: Bare Steel
2ndary Material: None
Spill Installed: No
Overfill Installed: No
Owner: MODERN HOME CONSTRUCTION
6 SO. GROVE ST.
Meriden, CT 06450
Lat/Long: 41° 31' 48" / 72° 48' 36"

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

MODERN HOME CONSTRUCTION (Continued)

U004009192

Facility Id: 3300
Tank ID: 2
Alt. Facility ID: 80-3300
Alt. Tank ID: A2
Tank Status: Currently In Use
Capacity: 3000
Substance: Gasoline
Closure Status: Not reported
Date Installed: 1/1/1950
Date Last Used: Not reported
Tank Material: Asphalt Coated or Bare Steel
2ndary Material: None
Pipe Material: Bare Steel
2ndary Material: None
Spill Installed: No
Overfill Installed: No
Owner: MODERN HOME CONSTRUCTION
6 SO. GROVE ST.
Meriden, CT 06450
Lat/Long: 41° 31' 48" / 72° 48' 36"

27
North
1/4-1/2
1353 ft.

COLONIAL CUSTOM CLEANERS
9 BUTLER ST
MERIDEN, CT 06450

RCRA-SQG **1000842782**
FINDS **CTR000002410**
CT PROPERTY
SDADB

Relative:
Higher

RCRAInfo:
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported

Actual:
153 ft.

Violation Status: Violations exist

Regulation Violated: 22a-449(c)-102(a)
Area of Violation: HAZARDOUS WASTE DETERMINATIONS
Date Violation Determined: 05/14/1990
Actual Date Achieved Compliance: 07/07/1995
Enforcement Action: UNILATERAL ORDER, NO PENALTIES
Enforcement Action Date: 11/13/1990
Penalty Type: Final Monetary Penalty
Enforcement Action: CIVIL ACTION FOR COMPLIANCE
Enforcement Action Date: 09/29/1992
Penalty Type: Final Monetary Penalty
Enforcement Action: STIPULATED JUDICIAL ORDER, WITH PENALTY
Enforcement Action Date: 10/07/1994
Penalty Type: Final Monetary Penalty
Regulation Violated: 22a-449(c)-102(a)
Area of Violation: GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined: 05/14/1990
Actual Date Achieved Compliance: 07/07/1995
Enforcement Action: UNILATERAL ORDER, NO PENALTIES
Enforcement Action Date: 11/13/1990
Penalty Type: Final Monetary Penalty
Enforcement Action: CIVIL ACTION FOR COMPLIANCE
Enforcement Action Date: 09/29/1992

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

COLONIAL CUSTOM CLEANERS (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000842782

Penalty Type: Final Monetary Penalty
 Enforcement Action: STIPULATED JUDICIAL ORDER, WITH PENALTY
 Enforcement Action Date: 10/07/1994
 Penalty Type: Final Monetary Penalty
 Regulation Violated: 22a-449(c)-102(a)
 Area of Violation: GENERATOR-PRE-TRANSPORT REQUIREMENTS
 Date Violation Determined: 05/14/1990
 Actual Date Achieved Compliance: 07/07/1995
 Enforcement Action: UNILATERAL ORDER, NO PENALTIES
 Enforcement Action Date: 11/13/1990
 Penalty Type: Final Monetary Penalty
 Enforcement Action: CIVIL ACTION FOR COMPLIANCE
 Enforcement Action Date: 09/29/1992
 Penalty Type: Final Monetary Penalty
 Enforcement Action: STIPULATED JUDICIAL ORDER, WITH PENALTY
 Enforcement Action Date: 10/07/1994
 Penalty Type: Final Monetary Penalty

Penalty Summary:	Penalty Date	Penalty Amount	Lead Agency
Penalty Description	Penalty Date	Penalty Amount	Lead Agency
Final Monetary Penalty	10/7/1994	35684	STATE

There are 3 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Compliance Evaluation Inspection	HAZARDOUS WASTE DETERMINATIONS	19950707
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19950707
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19950707

FINDS:

Other Pertinent Environmental Activity Identified at Site:
 RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

CT Property:

Date Received: 1/11/1994
 Property Transfer Forms: Form III (DEP-PERD-PTP-203) when a discharge, spillage, uncontrolled loss, seepage or filtration of hazardous waste has occurred at the parcel that has not been fully remediated or the environmental conditions at the parcel are unknown. The person signing the Form III certification agrees to investigate and remediate the site in accordance with the remediation standards. The statute does not require completion of remediation before the parcel is transferred. Any person submitting a Form III shall simultaneously submit a completed Environmental Condition Assessment Form (ECAF)(DEP-PERD-PTP-200).

Seller Name : Helen Rosen rep. of estat
 Buyer Name : City of Meriden
 Certifying Party : Not reported
 Certifying Attention Person : Not reported
 Title Of Certifying Person : Not reported
 Certifying Person Address : Not reported
 Ackn Date : Not reported
 Determination Date : Not reported
 LEP Verified/DEP Approval Date :Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

COLONIAL CUSTOM CLEANERS (Continued)

1000842782

Site Discovery and Assessment:

Facility ID:	937
WPC Number :	Not reported
Rem ID :	Not reported
Lat/Long :	Not reported
Lat/Long Determined By :	Not reported
Waste Type 1 :	OIL
Waste Type 2 :	PCE
Waste Type 3 :	Not reported
Disposal 1 :	SPILL/DUMP
Disposal 2 :	TO GROUND
Disposal 3 :	Not reported
Sample Data Available :	No
Ground Water Quality Classification :	Not reported
Surface Water Quality Classification :	Not reported
PTP Id:	Not reported
Postal District:	Not reported
Lat/Lon:	Not reported
Updated By:	Not reported
Update Program:	Not reported
Updated:	Not reported
Duplicate:	No
Comments :	SAME AS STATE ID 944 - COLONIAL CLEANERS. 944 DELETED 3/94 SAME AS STATE ID 937 COLONIAL CLEANERS DELETED 3/94.

Federal

EPA CERCLIS Id :	Not reported
Number EPA RCRIS Id :	Not reported
Site on EPA's CERCLIS :	Not reported
Site Archived from CERCLIS :	Not reported
Date of archive :	Not reported
EPA's Removal at Site :	Not reported
Deferred to another EPA Program :	Not reported
EPA Env Priority Initiative Site :	Not reported
Federal Facility :	Not reported
Site on EPA's National Priority List :	Not reported
Part of an NPL site :	Not reported
RCRA Generator Status :	Not reported
RCRA Permit Status :	Not reported

Referral

Referral Id:	886
Source of referral:	SUPERFUND
Date received:	7/1/1990
Staff assigned:	Not reported
Remediation program:	Not reported
Date assigned:	Not reported
Date completed:	Not reported
Outcome:	Not reported

Referral

Referral Id:	3593
Source of referral:	RCRA
Date received:	8/31/1990
Staff assigned:	BOTTI, T.
Remediation program:	D&A
Date assigned:	8/31/1990
Date completed:	Not reported
Outcome:	Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

COLONIAL CUSTOM CLEANERS (Continued)

1000842782

Remedial
 Remedial Id : 322
 PTP Id : 942
 Remediation Program : III
 Remediation Program Entered : Not reported
 Staff Assigned : HAMEL, M.
 Remediation Program : PTP
 Date assigned : Not reported
 Project Phase : A
 Order issued : No
 Order Number : Not reported
 Date order issued : Not reported
 Remedial Investigation Start : Not reported
 Remedial Investigation Completed : Not reported
 Remedial Design Start : Not reported
 Remedial Design complet : Not reported
 Remedial Action Start : Not reported
 Remedial Action Completed : Not reported
 Date Oper/ maintenance Started : Not reported
 GW monitoring : No
 Remediation complete Approved DEP/Verified by LEP :Not reported

Orders

Order Id : Not reported
 Order number : Not reported
 Date Order Issued : Not reported
 Staff assigned : Not reported
 Type of Order : Not reported
 Order Respondent : Not reported
 Admin Appeal Date : Not reported
 Admin Appeal Ruling : Not reported
 Date of Admin Appeal Ruling : Not reported
 Date of Final Order : Not reported
 Date of Court Appeal : Not reported
 Court ruling : Not reported
 Date of Court Ruling : Not reported
 Date Order Modified : Not reported
 Date Order Revoked : Not reported
 Date Referred to AG : Not reported
 Judgement : Not reported
 Date of AGR judgement : Not reported
 Penalty assessed : Not reported
 Order Complete : Not reported
 In compliance : Not reported
 Comments : Not reported

Facility ID: 944
 WPC Number : Not reported
 Rem ID : Not reported
 Lat/Long : Not reported
 Lat/Long Determined By : Not reported
 Waste Type 1 : PCE
 Waste Type 2 : Not reported
 Waste Type 3 : Not reported
 Disposal 1 : SPILL/DUMP
 Disposal 2 : TO GROUND
 Disposal 3 : Not reported
 Sample Data Available : No

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

COLONIAL CUSTOM CLEANERS (Continued)

1000842782

Ground Water Quality Classification : Not reported
 Surface Water Quality Classification : Not reported
 PTP Id: Not reported
 Postal District: Not reported
 Lat/Lon: Not reported
 Updated By: Not reported
 Update Program: Not reported
 Updated: Not reported
 Duplicate: Yes
 Comments : SAME AS STATE ID 944 - COLONIAL CLEANERS. 944 DELETED 3/94
 SAME AS STATE ID 937 COLONIAL CLEANERS DELETED 3/94.

Federal

EPA CERCLIS Id : Not reported
 Number EPA RCRIS Id : Not reported
 Site on EPA's CERCLIS : Not reported
 Site Archived from CERCLIS : Not reported
 Date of archive : Not reported
 EPA's Removal at Site : Not reported
 Deferred to another EPA Program : Not reported
 EPA Env Priority Initiative Site : Not reported
 Federal Facility : Not reported
 Site on EPA's National Priority List : Not reported
 Part of an NPL site : Not reported
 RCRA Generator Status : Not reported
 RCRA Permit Status : Not reported

Referral

Referral Id: Not reported
 Source of referral: Not reported
 Date received: Not reported
 Staff assigned: Not reported
 Remediation program: Not reported
 Date assigned: Not reported
 Date completed: Not reported
 Outcome: Not reported

Remedial

Remedial Id : Not reported
 PTP Id : Not reported
 Remediation Program : Not reported
 Remediation Program Entered : Not reported
 Staff Assigned : Not reported
 Remediation Program : Not reported
 Date assigned : Not reported
 Project Phase : Not reported
 Order issued : Not reported
 Order Number : Not reported
 Date order issued : Not reported
 Remedial Investigation Start : Not reported
 Remedial Investigation Completed : Not reported
 Remedial Design Start : Not reported
 Remedial Design complet : Not reported
 Remedial Action Start : Not reported
 Remedial Action Completed : Not reported
 Date Oper/ maintenance Started : Not reported
 GW monitoring : Not reported
 Remediation complete Approved DEP/Verified by LEP :Not reported

Orders

Order Id : Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

COLONIAL CUSTOM CLEANERS (Continued)

1000842782

Order number : Not reported
 Date Order Issued : Not reported
 Staff assigned : Not reported
 Type of Order : Not reported
 Order Respondent : Not reported
 Admin Appeal Date : Not reported
 Admin Appeal Ruling : Not reported
 Date of Admin Appeal Ruling : Not reported
 Date of Final Order : Not reported
 Date of Court Appeal : Not reported
 Court ruling : Not reported
 Date of Court Ruling : Not reported
 Date Order Modified : Not reported
 Date Order Revoked : Not reported
 Date Referred to AG : Not reported
 Judgement : Not reported
 Date of AGR judgement : Not reported
 Penalty assessed : Not reported
 Order Complete : Not reported
 In compliance : Not reported
 Comments : Not reported

**28
 NNE
 1/4-1/2
 1690 ft.**

**MERIDEN SENIOR CENTER
 22 WEST MAIN ST.
 MERIDEN, CT 06450**

**LUST S105456147
 N/A**

**Relative:
 Higher**

LUST:

**Actual:
 162 ft.**

Computer Generated # : 402
 Enforcement Data Together : 401
 LUST ID : 402
 Facility Add 2 : Not reported
 LUST Case Id : 28428
 Cost Recovery Spill Case # : Not reported
 Site Case Id : Not reported
 Old SITS Number : Not reported
 UST Site Id : Not reported
 Case Log Id : Not reported
 Monthly Report Id : 0
 UST Facility Id : 7058
 UST Owner Id : 1130
 UST Event Id : 401
 Contact Info : Not reported
 Incident Date : 01/13/89
 Entry Date : Not reported
 Site Contact 1 : Not reported
 Contact 1 Address 1 :
 0
 Contact 1 Add 2 : Not reported
 Contact 1 City 2 : Not reported
 Contact 1 Phone : Not reported
 Contact 1 Fax : Not reported
 Contact 1 Type : Not reported
 Site Contact 2 : Not reported
 Contact 1 Address 1 :
 0
 Contact 2 Address 2 : Not reported
 Contact 2 City 2 : Not reported
 Contact 2 Phone Number : Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

MERIDEN SENIOR CENTER (Continued)

S105456147

Contact 2 Fax Number : Not reported
Contact 2 Type : Not reported
Department Contact 1 : Not reported
Department Contact 2 : Not reported
Referral Source : Not reported
Date Referred : Not reported
Private Heating Fuel : False
Commercial Heating Fuel : False
Commercial HF < 2100 Gal. : False
Commercial HF > 2100 Gal. : False
Commercial HF - Size Unk : False
Motor Fuel : False
Diesel : False
Gasoline : False
Other Release : Not reported
Leak : False
Tank : False
Piping : False
Overfill : False
Removal : False
Cost Recvry Prgm Candidate : False
OCSR Complete : False
Responsible Party : False
Follow Up Flag : False
Alternate Water Supply : False
Relocation : False
Resp Party Name 1 : Not reported
Resp Party Address 1 : Not reported
Resp Party Phone : Not reported
Resp Party Fax : Not reported
Resp Party Name 2 : Not reported
Resp Party Address 2 : Not reported
Resp Party Phone 2 : Not reported
Resp Party Town Number : 0
LUST Owner Id : Not reported
Investigator Id : 14
Follow Update : Not reported
Lust Status : Investigation
Processing Status : Not reported
Area Lextent : Not reported
Annual Precipitation : Not reported
Effectd Population : Not reported
Population Setting : Not reported
Ground Water Direction : Not reported
Ground Water Gradient : Not reported
Hydro Basin : Not reported
Drastic : Not reported
Geo Setting : Not reported
Ground Water Classification : Not reported
Receptor : Not reported
Ground Water Flow Direction : Not reported
Ground Water Depth : Not reported
Areas Of Concern : Not reported
Free Product Inches : Not reported
Fund Date : Not reported
Fund Planned : 0

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

MERIDEN SENIOR CENTER (Continued)

S105456147

Fund Obligated :	0
Fund Outlaid :	0
Fund Judgment :	0
Fund Recovered :	0
Cellar Borings :	False
Install Micro Wells :	False
Ground Water Sample :	False
Soil Sample :	False
Soil Gas :	False
Site Inspect :	False
Soil Excavate :	False
Geo Probe :	False
Survey :	False
Potable Well Sample :	False
Ground Water Gauging :	False
Soil Venting :	False
No Release:	False
No LUST Site:	False
Facility City Num :	80
Sample MWS :	F
Active :	F
NOV Action :	None
NOV Issued :	Not reported
NOV Due :	Not reported
NOV Received :	Not reported
NOV Closed :	Not reported
NOV Disc Date :	Not reported
NOV Issued Date :	Not reported
NOV Compliance Sched :	Not reported
NOV Admin Order :	Not reported
NOV Referred To Ag :	Not reported
Stop All NOV Actions :	F
Release Invest Rpt :	F
DEP App Letter 1 :	F
Correct Action Plan :	F
DEP App Letter 2 :	F
Rem Sys Install :	F
Rem Sys Install Date :	Not reported
Closure Date :	Not reported
Rem Sys Monitoring Rpt :	F
Qrtly Gwater Mon Rpts :	F
Closure Req Rpt :	F
DEP Closure Letter :	F
Referred To :	Not reported
No Wells :	Not reported
Lph Wells :	Not reported
User Stamp :	Not reported
Date Stamp :	Not reported
Correspondence :	Not reported
Environmental Impact :	Not reported
Follow Up :	Not reported
GW Comments :	Not reported
Location Desc:	Not reported
NOV Comments :	Not reported
Release Desc :	Not reported
Running Comments :	Not reported
Work Performed :	Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

29
NE
1/4-1/2
1735 ft.

THE MERIDEN RECORD CO.
11 CROWN STREET
MERIDEN, CT

SDADB **S104254260**
N/A

Relative:
Higher

Site Discovery and Assessment:

Actual:
162 ft.

Facility ID:	877
WPC Number :	Not reported
Rem ID :	Not reported
Lat/Long :	Not reported
Lat/Long Determined By :	Not reported
Waste Type 1 :	CHEMICAL LIQUID
Waste Type 2 :	SLUDGES
Waste Type 3 :	Not reported
Disposal 1 :	Not reported
Disposal 2 :	Not reported
Disposal 3 :	Not reported
Sample Data Available :	No
Ground Water Quality Classification :	Not reported
Surface Water Quality Classification :	Not reported
PTP Id:	Not reported
Postal District:	Not reported
Lat/Lon:	Not reported
Updated By:	Not reported
Update Program:	Not reported
Updated:	Not reported
Duplicate:	No
Comments :	OTHER ADRESSES FOR SAME CO. 98 MAIN ST. SOUTHTON 214 CENTER ST. WALLINGFORD
Federal	
EPA CERCLIS Id :	Not reported
Number EPA RCRIS Id :	Not reported
Site on EPA's CERCLIS :	Not reported
Site Archived from CERCLIS :	Not reported
Date of archive :	Not reported
EPA's Removal at Site :	Not reported
Deferred to another EPA Program :	Not reported
EPA Env Priority Initiative Site :	Not reported
Federal Facility :	Not reported
Site on EPA's National Priority List :	Not reported
Part of an NPL site :	Not reported
RCRA Generator Status :	Not reported
RCRA Permit Status :	Not reported
Referral	
Referral Id:	829
Source of referral:	ISWS
Date received:	5/18/1990
Staff assigned:	Not reported
Remediation program:	Not reported
Date assigned:	Not reported
Date completed:	Not reported
Outcome:	Not reported
Remedial	
Remedial Id :	Not reported
PTP Id :	Not reported
Remediation Program :	Not reported
Remediation Program Entered :	Not reported
Staff Assigned :	Not reported
Remediation Program :	Not reported
Date assigned :	Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

THE MERIDEN RECORD CO. (Continued)

S104254260

Project Phase :	Not reported
Order issued :	Not reported
Order Number :	Not reported
Date order issued :	Not reported
Remedial Investigation Start :	Not reported
Remedial Investigation Completed :	Not reported
Remedial Design Start :	Not reported
Remedial Design complet :	Not reported
Remedial Action Start :	Not reported
Remedial Action Completed :	Not reported
Date Oper/ maintenance Started :	Not reported
GW monitoring :	Not reported
Remediation complete Approved DEP/Verified by LEP :	Not reported
Orders	
Order Id :	Not reported
Order number :	Not reported
Date Order Issued :	Not reported
Staff assigned :	Not reported
Type of Order :	Not reported
Order Respondent :	Not reported
Admin Appeal Date :	Not reported
Admin Appeal Ruling :	Not reported
Date of Admin Appeal Ruling :	Not reported
Date of Final Order :	Not reported
Date of Court Appeal :	Not reported
Court ruling :	Not reported
Date of Court Ruling :	Not reported
Date Order Modified :	Not reported
Date Order Revoked :	Not reported
Date Referred to AG :	Not reported
Judgement :	Not reported
Date of AGR judgement :	Not reported
Penalty assessed :	Not reported
Order Complete :	Not reported
In compliance :	Not reported
Comments :	Not reported

**30
 NE
 1/4-1/2
 1794 ft.**

**CT. NATIONAL BANK
 1 WEST MAIN ST.
 MERIDEN, CT 06450**

**LUST S105456150
 N/A**

**Relative:
 Higher**

LUST:

**Actual:
 155 ft.**

Computer Generated # :	407
Enforcement Data Together :	406
LUST ID :	407
Facility Add 2 :	Not reported
LUST Case Id :	28433
Cost Recovery Spill Case # :	Not reported
Site Case Id :	Not reported
Old SITS Number :	Not reported
UST Site Id :	Not reported
Case Log Id :	Not reported
Monthly Report Id :	0
UST Facility Id :	4008
UST Owner Id :	848
UST Event Id :	406
Contact Info :	Not reported
Incident Date :	01/31/90

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CT. NATIONAL BANK (Continued)

S105456150

Entry Date : Not reported
Site Contact 1 : Not reported
Contact 1 Address 1 :
0
Contact 1 Add 2 : Not reported
Contact 1 City 2 : Not reported
Contact 1 Phone : Not reported
Contact 1 Fax : Not reported
Contact 1 Type : Not reported
Site Contact 2 : Not reported
Contact 1 Address 1 :
0
Contact 2 Address 2 : Not reported
Contact 2 City 2 : Not reported
Contact 2 Phone Number : Not reported
Contact 2 Fax Number : Not reported
Contact 2 Type : Not reported
Department Contact 1 : Not reported
Department Contact 2 : Not reported
Referral Source : Not reported
Date Referred : Not reported
Private Heating Fuel : False
Commercial Heating Fuel : False
Commercial HF < 2100 Gal. : False
Commercial HF > 2100 Gal. : False
Commercial HF - Size Unk : False
Motor Fuel : False
Diesel : False
Gasoline : False
Other Release : Not reported
Leak : False
Tank : False
Piping : False
Overfill : False
Removal : False
Cost Recvry Prgm Candidate : False
OCSR Complete : False
Responsible Party : False
Follow Up Flag : False
Alternate Water Supply : False
Relocation : False
Resp Party Name 1 : Not reported
Resp Party Address 1 : Not reported
Resp Party Phone : Not reported
Resp Party Fax : Not reported
Resp Party Name 2 : Not reported
Resp Party Address 2 : Not reported
Resp Party Phone 2 : Not reported
Not reported
Resp Party Town Number : 0
LUST Owner Id : Not reported
Investigator Id : 31
Follow Update : Not reported
Lust Status : Completed
Processing Status : Not reported
Area Lextent : Not reported
Annual Precipitation : Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CT. NATIONAL BANK (Continued)

S105456150

Effectuated Population : Not reported
Population Setting : Not reported
Ground Water Direction : Not reported
Ground Water Gradient : Not reported
Hydro Basin : Not reported
Drastic : Not reported
Geo Setting : Not reported
Ground Water Classification : Not reported
Receptor : Not reported
Ground Water Flow Direction : Not reported
Ground Water Depth : Not reported
Areas Of Concern : Not reported
Free Product Inches : Not reported
Fund Date : Not reported
Fund Planned : 0
Fund Obligated : 0
Fund Outlaid : 0
Fund Judgment : 0
Fund Recovered : 0
Cellar Borings : False
Install Micro Wells : False
Ground Water Sample : False
Soil Sample : False
Soil Gas : False
Site Inspect : False
Soil Excavate : False
Geo Probe : False
Survey : False
Potable Well Sample : False
Ground Water Gauging : False
Soil Venting : False
No Release: False
No LUST Site: False
Facility City Num : 80
Sample MWS : F
Active : F
NOV Action : None
NOV Issued : Not reported
NOV Due : Not reported
NOV Received : Not reported
NOV Closed : Not reported
NOV Disc Date : Not reported
NOV Issued Date : Not reported
NOV Compliance Sched : Not reported
NOV Admin Order : Not reported
NOV Referred To Ag : Not reported
Stop All NOV Actions : F
Release Invest Rpt : F
DEP App Letter 1 : F
Correct Action Plan : F
DEP App Letter 2 : F
Rem Sys Install : F
Rem Sys Install Date : Not reported
Closure Date : Not reported
Rem Sys Monitoring Rpt : F
Qrtly Gwater Mon Rpts : F
Closure Req Rpt : F

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

ZIMERMAN, JOSEPH M.D. (Continued)

S104563192

Federal

EPA CERCLIS Id : Not reported
 Number EPA RCRIS Id : Not reported
 Site on EPA's CERCLIS : Not reported
 Site Archived from CERCLIS : Not reported
 Date of archive : Not reported
 EPA's Removal at Site : Not reported
 Deferred to another EPA Program : Not reported
 EPA Env Priority Initiative Site : Not reported
 Federal Facility : Not reported
 Site on EPA's National Priority List : Not reported
 Part of an NPL site : Not reported
 RCRA Generator Status : Not reported
 RCRA Permit Status : Not reported

Referral

Referral Id: 4626
 Source of referral: PTP
 Date received: 1/5/1987
 Staff assigned: PEASE, R.
 Remediation program: PTP
 Date assigned: Not reported
 Date completed: 1/5/1987
 Outcome: PTP

Remedial

Remedial Id : Not reported
 PTP Id : Not reported
 Remediation Program : Not reported
 Remediation Program Entered : Not reported
 Staff Assigned : Not reported
 Remediation Program : Not reported
 Date assigned : Not reported
 Project Phase : Not reported
 Order issued : Not reported
 Order Number : Not reported
 Date order issued : Not reported
 Remedial Investigation Start : Not reported
 Remedial Investigation Completed : Not reported
 Remedial Design Start : Not reported
 Remedial Design complet : Not reported
 Remedial Action Start : Not reported
 Remedial Action Completed : Not reported
 Date Oper/ maintenance Started : Not reported
 GW monitoring : Not reported
 Remediation complete Approved DEP/Verified by LEP :Not reported

Orders

Order Id : Not reported
 Order number : Not reported
 Date Order Issued : Not reported
 Staff assigned : Not reported
 Type of Order : Not reported
 Order Respondent : Not reported
 Admin Appeal Date : Not reported
 Admin Appeal Ruling : Not reported
 Date of Admin Appeal Ruling : Not reported
 Date of Final Order : Not reported
 Date of Court Appeal : Not reported
 Court ruling : Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

ZIMERMAN, JOSEPH M.D. (Continued)

S104563192

Date of Court Ruling : Not reported
 Date Order Modified : Not reported
 Date Order Revoked : Not reported
 Date Referred to AG : Not reported
 Judgement : Not reported
 Date of AGR judgement : Not reported
 Penalty assessed : Not reported
 Order Complete : Not reported
 In compliance : Not reported
 Comments : Not reported

**32
 NNW
 1/4-1/2
 1984 ft.**

**UNKNOWN
 231 WEST MAIN STREET
 MERIDEN, CT 06450**

**LUST S105441820
 CT Spills N/A**

**Relative:
 Higher
 Actual:
 150 ft.**

LUST:
 Computer Generated # : 6720
 Enforcement Data Together : 6835
 LUST ID : 6720
 Facility Add 2 : Not reported
 LUST Case Id : 34795
 Cost Recovery Spill Case # : Not reported
 Site Case Id : 9806620
 Old SITS Number : Not reported
 UST Site Id : Not reported
 Case Log Id : Not reported
 Monthly Report Id : 0
 UST Facility Id : Not reported
 UST Owner Id : Not reported
 UST Event Id : 6835
 Contact Info : Not reported
 Incident Date : 09/28/98
 Entry Date : Not reported
 Site Contact 1 : Not reported
 Contact 1 Address 1 :
 0
 Contact 1 Add 2 : Not reported
 Contact 1 City 2 : Not reported
 Contact 1 Phone : Not reported
 Contact 1 Fax : Not reported
 Contact 1 Type : Not reported
 Site Contact 2 : Not reported
 Contact 1 Address 1 :
 0
 Contact 2 Address 2 : Not reported
 Contact 2 City 2 : Not reported
 Contact 2 Phone Number : Not reported
 Contact 2 Fax Number : Not reported
 Contact 2 Type : Not reported
 Department Contact 1 : Not reported
 Department Contact 2 : Not reported
 Referral Source : Not reported
 Date Referred : Not reported
 Private Heating Fuel : True
 Commercial Heating Fuel : False
 Commercial HF < 2100 Gal. : False
 Commercial HF > 2100 Gal. : False
 Commercial HF - Size Unk : False

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

UNKNOWN (Continued)

S105441820

Motor Fuel : False
Diesel : False
Gasoline : False
Other Release : Not reported
Leak : False
Tank : False
Piping : False
Overfill : False
Removal : False
Cost Recvry Prgm Candidate : False
OCSR Complete : True
Responsible Party : False
Follow Up Flag : False
Alternate Water Supply : False
Relocation : False
Resp Party Name 1 : Not reported
Resp Party Address 1 : Not reported
Resp Party Phone : Not reported
Resp Party Fax : Not reported
Resp Party Name 2 : Not reported
Resp Party Address 2 : Not reported
Resp Party Phone 2 : Not reported
Resp Party Town Number : 0
LUST Owner Id : Not reported
Investigator Id : 35
Follow Update : Not reported
Lust Status : Completed
Processing Status : Not reported
Area Lextent : Not reported
Annual Precipitation : Not reported
Effected Population : Not reported
Population Setting : Not reported
Ground Water Direction : Not reported
Ground Water Gradient : Not reported
Hydro Basin : Not reported
Drastic : Not reported
Geo Setting : Not reported
Ground Water Classification : Not reported
Receptor : Not reported
Ground Water Flow Direction : Not reported
Ground Water Depth : Not reported
Areas Of Concern : Not reported
Free Product Inches : Not reported
Fund Date : Not reported
Fund Planned : 0
Fund Obligated : 0
Fund Outlaid : 0
Fund Judgment : 0
Fund Recovered : 0
Cellar Borings : False
Install Micro Wells : False
Ground Water Sample : False
Soil Sample : False
Soil Gas : False
Site Inspect : False
Soil Excavate : False

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

UNKNOWN (Continued)

EDR ID Number
 EPA ID Number

Database(s)

S105441820

Geo Probe :	False
Survey :	False
Potable Well Sample :	False
Ground Water Gauging :	False
Soil Venting :	False
No Release:	False
No LUST Site:	False
Facility City Num :	80
Sample MWS :	F
Active :	F
NOV Action :	None
NOV Issued :	Not reported
NOV Due :	Not reported
NOV Received :	Not reported
NOV Closed :	Not reported
NOV Disc Date :	Not reported
NOV Issued Date :	Not reported
NOV Compliance Sched :	Not reported
NOV Admin Order :	Not reported
NOV Referred To Ag :	Not reported
Stop All NOV Actions :	F
Release Invest Rpt :	F
DEP App Letter 1 :	F
Correct Action Plan :	F
DEP App Letter 2 :	F
Rem Sys Install :	F
Rem Sys Install Date :	Not reported
Closure Date :	Not reported
Rem Sys Monitoring Rpt :	F
Qrtly Gwater Mon Rpts :	F
Closure Req Rpt :	F
DEP Closure Letter :	F
Referred To :	Not reported
No Wells :	Not reported
Lph Wells :	Not reported
User Stamp :	Not reported
Date Stamp :	Not reported
Correspondence :	Not reported
Environmental Impact :	Not reported
Follow Up :	Not reported
GW Comments :	Not reported
Location Desc:	Not reported
NOV Comments :	Not reported
Release Desc :	Not reported
Running Comments :	#2 FUEL OIL, , 550 LUST REMOVED BY ART PARDEN
Work Performed :	Not reported

SPILL:

Case Number:	9806620	Who Took Spill:	932
Year of Database:	9/28/1998	Reported By:	STEVE TRELLA FM FOR ART PARDEN
Report Date:	9/28/1998		
Phone 1 :	203-2353960		
Phone 2 :	-		
Area Code 3:	Not reported		
Representing:	Self		
Qty (Gallon):	0	Qty (Yard):	0
Qty (Pound):	0	Qty (Drum):	0
Concentration:	0		

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

UNKNOWN (Continued)

S105441820

Other Action : NO FREE PRODUCT
 Agency Notified:
 Agency ID : 14
 Other Agency : Not reported
 DEP Bureau : Not reported
 DEP Agency : Not reported
 Cause of Incident:
 Cause ID : 3
 Other Cause : Not reported
 Media:
 Media ID : 4
 Other Media : Not reported
 Release Class:
 Class ID : Not reported
 Other Class : Not reported
 Release Type:
 Release ID : 1
 Other Release : Not reported
 Waterbody:
 Waterbody ID : Not reported
 Other Wtrbody : Not reported

**33
 ENE
 1/4-1/2
 2139 ft.**

**OFFICE COMPLEX
 95 EAST MAIN ST.
 MERIDEN, CT 06450**

**LUST S105457036
 N/A**

**Relative:
 Higher**

LUST:

**Actual:
 170 ft.**

Computer Generated # : 2070
 Enforcement Data Together : 2069
 LUST ID : 2070
 Facility Add 2 : Not reported
 LUST Case Id : 30179
 Cost Recovery Spill Case # : Not reported
 Site Case Id : Not reported
 Old SITS Number : Not reported
 UST Site Id : Not reported
 Case Log Id : Not reported
 Monthly Report Id : 0
 UST Facility Id : Not reported
 UST Owner Id : Not reported
 UST Event Id : 2069
 Contact Info : Not reported
 Incident Date : 11/10/92
 Entry Date : Not reported
 Site Contact 1 : Not reported
 Contact 1 Address 1 :
 0
 Contact 1 Add 2 : Not reported
 Contact 1 City 2 : Not reported
 Contact 1 Phone : Not reported
 Contact 1 Fax : Not reported
 Contact 1 Type : Not reported
 Site Contact 2 : Not reported
 Contact 1 Address 1 :
 0
 Contact 2 Address 2 : Not reported
 Contact 2 City 2 : Not reported
 Contact 2 Phone Number : Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

OFFICE COMPLEX (Continued)

S105457036

Contact 2 Fax Number : Not reported
 Contact 2 Type : Not reported
 Department Contact 1 : Not reported
 Department Contact 2 : Not reported
 Referral Source : Not reported
 Date Referred : Not reported
 Private Heating Fuel : False
 Commercial Heating Fuel : True
 Commercial HF < 2100 Gal. : False
 Commercial HF > 2100 Gal. : True
 Commercial HF - Size Unk : False
 Motor Fuel : False
 Diesel : False
 Gasoline : False
 Other Release : Not reported
 Leak : False
 Tank : False
 Piping : False
 Overfill : False
 Removal : False
 Cost Recvry Prgm Candidate : False
 OCSR Complete : False
 Responsible Party : False
 Follow Up Flag : False
 Alternate Water Supply : False
 Relocation : False
 Resp Party Name 1 : Not reported
 Resp Party Address 1 : Not reported
 Resp Party Phone : Not reported
 Resp Party Fax : Not reported
 Resp Party Name 2 : Not reported
 Resp Party Address 2 : Not reported
 Resp Party Phone 2 : Not reported
 Resp Party Town Number : 0
 LUST Owner Id : Not reported
 Investigator Id : 24
 Follow Update : Not reported
 Lust Status : Completed
 Processing Status : Not reported
 Area Lextent : Not reported
 Annual Precipitation : Not reported
 Effected Population : Not reported
 Population Setting : Not reported
 Ground Water Direction : Not reported
 Ground Water Gradient : Not reported
 Hydro Basin : Not reported
 Drastic : Not reported
 Geo Setting : Not reported
 Ground Water Classification : Not reported
 Receptor : Not reported
 Ground Water Flow Direction : Not reported
 Ground Water Depth : Not reported
 Areas Of Concern : Not reported
 Free Product Inches : Not reported
 Fund Date : Not reported
 Fund Planned : 0

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

OFFICE COMPLEX (Continued)

S105457036

Fund Obligated :	0
Fund Outlaid :	0
Fund Judgment :	0
Fund Recovered :	0
Cellar Borings :	False
Install Micro Wells :	False
Ground Water Sample :	False
Soil Sample :	False
Soil Gas :	False
Site Inspect :	False
Soil Excavate :	False
Geo Probe :	False
Survey :	False
Potable Well Sample :	False
Ground Water Gauging :	False
Soil Venting :	False
No Release:	False
No LUST Site:	False
Facility City Num :	80
Sample MWS :	F
Active :	F
NOV Action :	None
NOV Issued :	Not reported
NOV Due :	Not reported
NOV Received :	Not reported
NOV Closed :	Not reported
NOV Disc Date :	Not reported
NOV Issued Date :	Not reported
NOV Compliance Sched :	Not reported
NOV Admin Order :	Not reported
NOV Referred To Ag :	Not reported
Stop All NOV Actions :	F
Release Invest Rpt :	F
DEP App Letter 1 :	F
Correct Action Plan :	F
DEP App Letter 2 :	F
Rem Sys Install :	F
Rem Sys Install Date :	Not reported
Closure Date :	Not reported
Rem Sys Monitoring Rpt :	F
Qrtly Gwater Mon Rpts :	F
Closure Req Rpt :	F
DEP Closure Letter :	F
Referred To :	Not reported
No Wells :	Not reported
Lph Wells :	Not reported
User Stamp :	Not reported
Date Stamp :	Not reported
Correspondence :	Not reported
Environmental Impact :	Not reported
Follow Up :	Not reported
GW Comments :	Not reported
Location Desc:	Not reported
NOV Comments :	Not reported
Release Desc :	Not reported
Running Comments :	Should be Registered Facility
Work Performed :	Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

34
SSW
1/4-1/2
2206 ft.

DUFFY PROPERTY
382 COOK AVENUE
MERIDEN, CT

SDADB **S104254227**
N/A

Relative:
Lower

Site Discovery and Assessment:

Actual:
135 ft.

Facility ID:	2991
WPC Number :	Not reported
Rem ID :	Not reported
Lat/Long :	41.5256 / -72.8086
Lat/Long Determined By :	UNK
Waste Type 1 :	Chlorinated Volatile Organic Compounds
Waste Type 2 :	Metals
Waste Type 3 :	Not reported
Disposal 1 :	DRYWELL
Disposal 2 :	Not reported
Disposal 3 :	Not reported
Sample Data Available :	No
Ground Water Quality Classification :	Not reported
Surface Water Quality Classification :	Not reported
PTP Id:	Not reported
Postal District:	Not reported
Lat/Lon:	41° 31' 32" / 72° 48' 31"
Updated By:	BOBOWICZ, H. A.
Update Program:	D&A
Updated:	6/28/1997
Duplicate:	No
Federal	
EPA CERCLIS Id :	Not reported
Number EPA RCRIS Id :	Not reported
Site on EPA's CERCLIS :	Not reported
Site Archived from CERCLIS :	Not reported
Date of archive :	Not reported
EPA's Removal at Site :	Not reported
Deferred to another EPA Program :	Not reported
EPA Env Priority Initiative Site :	Not reported
Federal Facility :	Not reported
Site on EPA's National Priority List :	Not reported
Part of an NPL site :	Not reported
RCRA Generator Status :	Not reported
RCRA Permit Status :	Not reported
Referral	
Referral Id:	2804
Source of referral:	RCRA
Date received:	6/16/1997
Staff assigned:	BOBOWICZ, H. A.
Remediation program:	D&A
Date assigned:	6/28/1997
Date completed:	Not reported
Outcome:	Not reported
Remedial	
Remedial Id :	Not reported
PTP Id :	Not reported
Remediation Program :	Not reported
Remediation Program Entered :	Not reported
Staff Assigned :	Not reported
Remediation Program :	Not reported
Date assigned :	Not reported
Project Phase :	Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

DUFFY PROPERTY (Continued)

S104254227

Order issued : Not reported
 Order Number : Not reported
 Date order issued : Not reported
 Remedial Investigation Start : Not reported
 Remedial Investigation Completed : Not reported
 Remedial Design Start : Not reported
 Remedial Design complet : Not reported
 Remedial Action Start : Not reported
 Remedial Action Completed : Not reported
 Date Oper/ maintenance Started : Not reported
 GW monitoring : Not reported
 Remediation complete Approved DEP/Verified by LEP :Not reported

Orders

Order Id : Not reported
 Order number : Not reported
 Date Order Issued : Not reported
 Staff assigned : Not reported
 Type of Order : Not reported
 Order Respondent : Not reported
 Admin Appeal Date : Not reported
 Admin Appeal Ruling : Not reported
 Date of Admin Appeal Ruling : Not reported
 Date of Final Order : Not reported
 Date of Court Appeal : Not reported
 Court ruling : Not reported
 Date of Court Ruling : Not reported
 Date Order Modified : Not reported
 Date Order Revoked : Not reported
 Date Referred to AG : Not reported
 Judgement : Not reported
 Date of AGR judgement : Not reported
 Penalty assessed : Not reported
 Order Complete : Not reported
 In compliance : Not reported
 Comments : Not reported

**35
 East
 1/4-1/2
 2550 ft.**

**GUEST COMPANY INC.
 49 ELM STREET
 MERIDEN, CT**

**CT PROPERTY S104188032
 SDADB N/A**

**Relative:
 Higher**

CT Property:
 Date Recieved: 6/7/1994
 Property Transfer Forms: Form I (DEP-PERD-PTP-201) when no release of hazardous waste has occurred at the parcel being transferred.

**Actual:
 286 ft.**

Seller Name : The Guest Company Inc.
 Buyer Name : Atlantic Guest Inc.
 Certifying Party : Not reported
 Certifying Attention Person : Not reported
 Title Of Certifying Person : Not reported
 Certifying Person Address : Not reported
 Ackn Date : 7/15/1994
 Determination Date : Not reported
 LEP Verified/DEP Approval Date :Not reported

Site Discovery and Assessment:
 Facility ID: 4458
 WPC Number : Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

GUEST COMPANY INC. (Continued)

S104188032

Rem ID :	Not reported
Lat/Long :	Not reported
Lat/Long Determined By :	Not reported
Waste Type 1 :	Not reported
Waste Type 2 :	Not reported
Waste Type 3 :	Not reported
Disposal 1 :	Not reported
Disposal 2 :	Not reported
Disposal 3 :	Not reported
Sample Data Available :	No
Ground Water Quality Classification :	Not reported
Surface Water Quality Classification :	Not reported
PTP Id:	949
Postal District:	Not reported
Lat/Lon:	Not reported
Updated By:	Not reported
Update Program:	Not reported
Updated:	Not reported
Duplicate:	No
Federal	
EPA CERCLIS Id :	Not reported
Number EPA RCRIS Id :	Not reported
Site on EPA's CERCLIS :	Not reported
Site Archived from CERCLIS :	Not reported
Date of archive :	Not reported
EPA's Removal at Site :	Not reported
Deferred to another EPA Program :	Not reported
EPA Env Priority Initiative Site :	Not reported
Federal Facility :	Not reported
Site on EPA's National Priority List :	Not reported
Part of an NPL site :	Not reported
RCRA Generator Status :	Not reported
RCRA Permit Status :	Not reported
Referral	
Referral Id:	4616
Source of referral:	PTP
Date received:	6/7/1994
Staff assigned:	Not reported
Remediation program:	PTP
Date assigned:	Not reported
Date completed:	6/7/1994
Outcome:	PTP
Remedial	
Remedial Id :	Not reported
PTP Id :	Not reported
Remediation Program :	Not reported
Remediation Program Entered :	Not reported
Staff Assigned :	Not reported
Remediation Program :	Not reported
Date assigned :	Not reported
Project Phase :	Not reported
Order issued :	Not reported
Order Number :	Not reported
Date order issued :	Not reported
Remedial Investigation Start :	Not reported
Remedial Investigation Completed :	Not reported
Remedial Design Start :	Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

GUEST COMPANY INC. (Continued)

S104188032

Remedial Design complet : Not reported
 Remedial Action Start : Not reported
 Remedial Action Completed : Not reported
 Date Oper/ maintenance Started : Not reported
 GW monitoring : Not reported
 Remediation complete Approved DEP/Verified by LEP :Not reported
 Orders
 Order Id : Not reported
 Order number : Not reported
 Date Order Issued : Not reported
 Staff assigned : Not reported
 Type of Order : Not reported
 Order Respondent : Not reported
 Admin Appeal Date : Not reported
 Admin Appeal Ruling : Not reported
 Date of Admin Appeal Ruling : Not reported
 Date of Final Order : Not reported
 Date of Court Appeal : Not reported
 Court ruling : Not reported
 Date of Court Ruling : Not reported
 Date Order Modified : Not reported
 Date Order Revoked : Not reported
 Date Referred to AG : Not reported
 Judgement : Not reported
 Date of AGR judgement : Not reported
 Penalty assessed : Not reported
 Order Complete : Not reported
 In compliance : Not reported
 Comments : Not reported

**36
 NW
 1/4-1/2
 2611 ft.**

**AMERICAN OIL CHANGE CORP.
 321-327 WEST MAIN STREET
 MERIDEN, CT**

**CT PROPERTY S104563185
 SDADB N/A**

**Relative:
 Lower**

CT Property:
 Date Recieved: 8/7/1991
 Property Transfer Forms: Form I (DEP-PERD-PTP-201) when no release of hazardous waste has occurred at the parcel being transferred.

**Actual:
 143 ft.**

Seller Name : American Oil Change
 Buyer Name : Jiffy Lube Int. Inc.
 Certifying Party : Not reported
 Certifying Attention Person : Not reported
 Title Of Certifying Person : Not reported
 Certifying Person Address : Not reported
 Ackn Date : 10/4/1991
 Determination Date : Not reported
 LEP Verified/DEP Approval Date :Not reported

Site Discovery and Assessment:
 Facility ID: 4446
 WPC Number : Not reported
 Rem ID : Not reported
 Lat/Long : Not reported
 Lat/Long Determined By : Not reported
 Waste Type 1 : Not reported
 Waste Type 2 : Not reported
 Waste Type 3 : Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

AMERICAN OIL CHANGE CORP. (Continued)

S104563185

Disposal 1 :	Not reported
Disposal 2 :	Not reported
Disposal 3 :	Not reported
Sample Data Available :	No
Ground Water Quality Classification :	Not reported
Surface Water Quality Classification :	Not reported
PTP Id:	936
Postal District:	Not reported
Lat/Lon:	Not reported
Updated By:	Not reported
Update Program:	Not reported
Updated:	Not reported
Duplicate:	No
Federal	
EPA CERCLIS Id :	Not reported
Number EPA RCRIS Id :	Not reported
Site on EPA's CERCLIS :	Not reported
Site Archived from CERCLIS :	Not reported
Date of archive :	Not reported
EPA's Removal at Site :	Not reported
Deferred to another EPA Program :	Not reported
EPA Env Priority Initiative Site :	Not reported
Federal Facility :	Not reported
Site on EPA's National Priority List :	Not reported
Part of an NPL site :	Not reported
RCRA Generator Status :	Not reported
RCRA Permit Status :	Not reported
Referral	
Referral Id:	4604
Source of referral:	PTP
Date received:	8/7/1991
Staff assigned:	Not reported
Remediation program:	PTP
Date assigned:	Not reported
Date completed:	8/7/1991
Outcome:	PTP
Remedial	
Remedial Id :	Not reported
PTP Id :	Not reported
Remediation Program :	Not reported
Remediation Program Entered :	Not reported
Staff Assigned :	Not reported
Remediation Program :	Not reported
Date assigned :	Not reported
Project Phase :	Not reported
Order issued :	Not reported
Order Number :	Not reported
Date order issued :	Not reported
Remedial Investigation Start :	Not reported
Remedial Investigation Completed :	Not reported
Remedial Design Start :	Not reported
Remedial Design complet :	Not reported
Remedial Action Start :	Not reported
Remedial Action Completed :	Not reported
Date Oper/ maintenance Started :	Not reported
GW monitoring :	Not reported
Remediation complete Approved DEP/Verified by LEP :	Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

AMERICAN OIL CHANGE CORP. (Continued)

S104563185

Orders
 Order Id : Not reported
 Order number : Not reported
 Date Order Issued : Not reported
 Staff assigned : Not reported
 Type of Order : Not reported
 Order Respondent : Not reported
 Admin Appeal Date : Not reported
 Admin Appeal Ruling : Not reported
 Date of Admin Appeal Ruling : Not reported
 Date of Final Order : Not reported
 Date of Court Appeal : Not reported
 Court ruling : Not reported
 Date of Court Ruling : Not reported
 Date Order Modified : Not reported
 Date Order Revoked : Not reported
 Date Referred to AG : Not reported
 Judgement : Not reported
 Date of AGR judgement : Not reported
 Penalty assessed : Not reported
 Order Complete : Not reported
 In compliance : Not reported
 Comments : Not reported

37
ENE
1/4-1/2
2615 ft.

MERIDEN WATER POLLUTION CONTROL FACILITY
EVANSVILLE RD.
MERIDEN, CT 06450

CT Spills **U002173471**
UST **N/A**
SDADB

Relative:
Higher

SPILL:

Actual:
190 ft.

Case Number: 9900590 Who Took Spill: 203
 Year of Database: 1/24/1999
 Report Date: 1/24/1999 Reported By: STEVE CONTI
 Phone 1 : 203-2354544
 Phone 2 : -
 Area Code 3: Not reported
 Representing: MERIDEN WATER POLLUTION CONTROL
 Qty (Gallon): 0 Qty (Yard): 0
 Qty (Pound): 0 Qty (Drum): 0
 Concentration: 0
 Continuous Spill: No
 Release Status: Not reported
 Water Body: QUINNIPIAC RIVER
 Total (Water): 0 Recovd (Total):: 0
 Who Assigned Spill: Not reported
 Facility Status: closed
 Emergency Measure: UNKNOWN AMOUNT LARGER THEN 10 GALLONS/REFERRED TO 921
 Assigned To: 0
 Discharger: Not reported
 Telephone: Not reported
 Responsible Party: Not reported
 Released Substance: POTW BY PASS
 RP Address: CT
 Date Release : Not reported Time Release : 4:14:00 PM
 Waterbody : No Date Responded : Not reported
 Time Responded : 4:14:00 PM
 Historic : No Qty Rec Water : Not reported
 Waterway : Not reported OPA : Not reported
 EPA : Not reported EPA Contact : Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

MERIDEN WATER POLLUTION CONTROL FACILITY (Continued)

U002173471

EPA Date : Not reported
USCG : Not reported
USCG Date : Not reported
Spill Fund : Not reported
Date Authorized : Not reported
Discharger Addr : Not reported
Accepted By : Not reported
Date Accepted : Not reported
OCSR Rep : Not reported
Property Owner1 : Not reported
Owner 1 Phone : Not reported
Owner 1 Address : Not reported
Owner 2 Area : Not reported
Owner 2 Address : Not reported
Transportation : Not reported
Registration : Not reported
Trailer Registrtn : Not reported
License No : Not reported
Owner Area : Not reported
Special Contact : Not reported
Date Requested : Not reported
Date Arrived : Not reported
User Stamp : Not reported
Time Stamp : 1/29/1999 3:54:24 PM
At Inspctr Name : **NO RESPONSE
Sign 1 : Not reported
Sign 2 : Not reported
Sign 3 : Not reported
Sign 4 : Not reported
Sign 5 : Not reported
Sign 6 : Not reported
Sign 7 : Not reported
Corrective Action:
Action ID : 20
Other Action : BY PASS
Agency Notified:
Agency ID : 9
Other Agency : Not reported
DEP Bureau : BUREAU OF AIR MANAGEMENT
DEP Agency : OFFICE OF THE BUREAU CHIEF
Cause of Incident:
Cause ID : 26
Other Cause : BY PASS
Media:
Media ID : 2
Other Media : Not reported
Release Class:
Class ID : 8
Other Class : Not reported
Release Type:
Release ID : 5
Other Release : Not reported
Waterbody:
Waterbody ID : 2
Other Wtrbody : Not reported

EPA Time : Not reported
USCG Contact : Not reported
USCG Time : Not reported
Authorized By : Not reported
Time Authorized : Not reported
Time Authorized : Not reported
Owner 1 Area : Not reported
Owner 2 Phone : Not reported
Make : Not reported
Tractor No : Not reported
Vehicle Operator : Not reported
Vehicle Owner : Not reported
Owner Phone : Not reported
Contractor Retained : Not reported
Time Requested : Not reported
Time Arrived : Not reported
Sr Inspector Name : Stevenson Ray

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

MERIDEN WATER POLLUTION CONTROL FACILITY (Continued)

U002173471

Site Discovery and Assessment:
Facility ID: 1433
WPC Number : Not reported
Rem ID : Not reported
Lat/Long : Not reported
Lat/Long Determined By : Not reported
Waste Type 1 : Not reported
Waste Type 2 : Not reported
Waste Type 3 : Not reported
Disposal 1 : Not reported
Disposal 2 : Not reported
Disposal 3 : Not reported
Sample Data Available : No
Ground Water Quality Classification : Not reported
Surface Water Quality Classification : Not reported
PTP Id: Not reported
Postal District: Not reported
Lat/Lon: Not reported
Updated By: DORAN, E.
Update Program: CORE
Updated: 2/5/1993
Duplicate: No
Federal
EPA CERCLIS Id : Not reported
Number EPA RCRIS Id : Not reported
Site on EPA's CERCLIS : Not reported
Site Archived from CERCLIS : Not reported
Date of archive : Not reported
EPA's Removal at Site : Not reported
Deferred to another EPA Program : Not reported
EPA Env Priority Initiative Site : Not reported
Federal Facility : Not reported
Site on EPA's National Priority List : Not reported
Part of an NPL site : Not reported
RCRA Generator Status : Not reported
RCRA Permit Status : Not reported
Referral
Referral Id: 1340
Source of referral: SPILLS
Date received: 1/8/1993
Staff assigned: DORAN, E.
Remediation program: CORE
Date assigned: Not reported
Date completed: 2/9/1993
Outcome: WATER
Remedial
Remedial Id : Not reported
PTP Id : Not reported
Remediation Program : Not reported
Remediation Program Entered : Not reported
Staff Assigned : Not reported
Remediation Program : Not reported
Date assigned : Not reported
Project Phase : Not reported
Order issued : Not reported
Order Number : Not reported
Date order issued : Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

MERIDEN WATER POLLUTION CONTROL FACILITY (Continued)

U002173471

Remedial Investigation Start : Not reported
Remedial Investigation Completed : Not reported
Remedial Design Start : Not reported
Remedial Design complet : Not reported
Remedial Action Start : Not reported
Remedial Action Completed : Not reported
Date Oper/ maintenance Started : Not reported
GW monitoring : Not reported
Remediation complete Approved DEP/Verified by LEP :Not reported

Orders

Order Id : Not reported
Order number : Not reported
Date Order Issued : Not reported
Staff assigned : Not reported
Type of Order : Not reported
Order Respondent : Not reported
Admin Appeal Date : Not reported
Admin Appeal Ruling : Not reported
Date of Admin Appeal Ruling : Not reported
Date of Final Order : Not reported
Date of Court Appeal : Not reported
Court ruling : Not reported
Date of Court Ruling : Not reported
Date Order Modified : Not reported
Date Order Revoked : Not reported
Date Referred to AG : Not reported
Judgement : Not reported
Date of AGR judgement : Not reported
Penalty assessed : Not reported
Order Complete : Not reported
In compliance : Not reported
Comments : Not reported

UST:

Facility Id: 3709
Tank ID: 1
Alt. Facility ID: 80-3709
Alt. Tank ID: AB1
Tank Status: Permanently Out of Use
Capacity: 2000
Substance: Gasoline
Closure Status: Tank removed from ground
Date Installed: 5/1/1983
Date Last Used: 11/1/1997
Tank Material: Asphalt Coated or Bare Steel
2ndary Material: Excavation Liner
Pipe Material: Bare Steel
2ndary Material: None
Spill Installed: No
Overfill Installed: No
Owner: CITY OF MERIDEN
142 EAST MAIN ST.
Meriden, CT 06450
Lat/Long: 41° 30' 46" / 72° 49' 41"

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

MERIDEN WATER POLLUTION CONTROL FACILITY (Continued)

U002173471

Facility Id: 3709
Tank ID: 2
Alt. Facility ID: 80-3709
Alt. Tank ID: BB1
Tank Status: Permanently Out of Use
Capacity: 5000
Substance: Gasoline
Closure Status: Tank removed from ground
Date Installed: 5/1/1982
Date Last Used: 12/1/1999
Tank Material: Asphalt Coated or Bare Steel
2ndary Material: None
Pipe Material: Bare Steel
2ndary Material: None
Spill Installed: No
Overfill Installed: No
Owner: CITY OF MERIDEN
142 EAST MAIN ST.
Meriden, CT 06450
Lat/Long: 41° 30' 46" / 72° 49' 41"

Facility Id: 3709
Tank ID: 3
Alt. Facility ID: 80-3709
Alt. Tank ID: SB1
Tank Status: Permanently Out of Use
Capacity: 2500
Substance: Gasoline
Closure Status: Tank removed from ground
Date Installed: 5/1/1983
Date Last Used: 2/1/2000
Tank Material: Asphalt Coated or Bare Steel
2ndary Material: None
Pipe Material: Bare Steel
2ndary Material: None
Spill Installed: No
Overfill Installed: No
Owner: CITY OF MERIDEN
142 EAST MAIN ST.
Meriden, CT 06450
Lat/Long: 41° 30' 46" / 72° 49' 41"

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

MERIDEN WATER POLLUTION CONTROL FACILITY (Continued)

U002173471

Facility Id: 3709
Tank ID: 6
Alt. Facility ID: 80-3709
Alt. Tank ID: CB2
Tank Status: Permanently Out of Use
Capacity: 1000
Substance: Diesel
Closure Status: Tank removed from ground
Date Installed: 5/1/1983
Date Last Used: Not reported
Tank Material: Asphalt Coated or Bare Steel
2ndary Material: None
Pipe Material: Bare Steel
2ndary Material: None
Spill Installed: No
Overfill Installed: No
Owner: CITY OF MERIDEN
142 EAST MAIN ST.
Meriden, CT 06450
Lat/Long: 41° 30' 46" / 72° 49' 41"

Facility Id: 3709
Tank ID: 7
Alt. Facility ID: 80-3709
Alt. Tank ID: HB1
Tank Status: Permanently Out of Use
Capacity: 2000
Substance: Diesel
Closure Status: Tank removed from ground
Date Installed: 1/1/1971
Date Last Used: Not reported
Tank Material: Asphalt Coated or Bare Steel
2ndary Material: None
Pipe Material: Bare Steel
2ndary Material: None
Spill Installed: No
Overfill Installed: No
Owner: CITY OF MERIDEN
142 EAST MAIN ST.
Meriden, CT 06450
Lat/Long: 41° 30' 46" / 72° 49' 41"

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

MERIDEN WATER POLLUTION CONTROL FACILITY (Continued)

U002173471

Facility Id: 3709
Tank ID: 8
Alt. Facility ID: 80-3709
Alt. Tank ID: A1
Tank Status: Permanently Out of Use
Capacity: 2000
Substance: Heating Oil
Closure Status: Tank removed from ground
Date Installed: 1/1/1989
Date Last Used: 6/1/2000
Tank Material: Fiberglass Reinforced Plastic
2ndary Material: None
Pipe Material: Bare Steel
2ndary Material: None
Spill Installed: No
Overfill Installed: No
Owner: CITY OF MERIDEN
142 EAST MAIN ST.
Meriden, CT 06450
Lat/Long: 41° 30' 46" / 72° 49' 41"

Facility Id: 3709
Tank ID: 5
Alt. Facility ID: 80-3709
Alt. Tank ID: CB1
Tank Status: Permanently Out of Use
Capacity: 500
Substance: Heating Oil
Closure Status: Tank removed from ground
Date Installed: 5/1/1983
Date Last Used: Not reported
Tank Material: Asphalt Coated or Bare Steel
2ndary Material: None
Pipe Material: Bare Steel
2ndary Material: None
Spill Installed: No
Overfill Installed: No
Owner: CITY OF MERIDEN
142 EAST MAIN ST.
Meriden, CT 06450
Lat/Long: 41° 30' 46" / 72° 49' 41"

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

MERIDEN WATER POLLUTION CONTROL FACILITY (Continued)

U002173471

Facility Id: 3709
 Tank ID: 4
 Alt. Facility ID: 80-3709
 Alt. Tank ID: IB1
 Tank Status: Permanently Out of Use
 Capacity: 1500
 Substance: Diesel
 Closure Status: Tank removed from ground
 Date Installed: 5/1/1982
 Date Last Used: Not reported
 Tank Material: Asphalt Coated or Bare Steel
 2ndary Material: None
 Pipe Material: Bare Steel
 2ndary Material: None
 Spill Installed: No
 Overfill Installed: No
 Owner: CITY OF MERIDEN
 142 EAST MAIN ST.
 Meriden, CT 06450
 Lat/Long: 41° 30' 46" / 72° 49' 41"

38
ENE
1/2-1
2785 ft.

J.B. COGGINS
INDUSTRIAL PIT
, CT

LWDS W991101628
N/A

Relative:
Higher

LWDS:

ArcView Legend Symbology: INDUST PIT
 Leachate and Wastewater Name: INDUSTRIAL PIT
 Leachate and Wastewater Number: 5206010
 Status of the Discharge Activity: INACTIVE
 Leachate and Waste Flow: GROUND
 Feature Number on Hazardous Waste List: 0
 Subregional Basin Feature Number: 5206

Actual:
159 ft.

Name: J.B. Coggins
 Alias: Not reported
 Description: metal hydroxide sludge lagoon to be excavated and closed, HWMR monitoring required
 Lat/Long: 41.53783 / -72.79756
 State Plane x/y: 986980 / 756697

39
NW
1/2-1
2787 ft.

PENBECK OIL CO.
OIL/CHEMICAL SPILLS
, CT

LWDS W991101617
N/A

Relative:
Higher

Actual:
153 ft.

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

PENBECK OIL CO. (Continued)

W991101617

LWDS:

ArcView Legend Symbology: SPILL
 Leachate and Wastewater Name: OIL/CHEMICAL SPILLS
 Leachate and Wastewater Number: 5205004
 Status of the Discharge Activity: INACTIVE
 Leachate and Waste Flow: GROUND
 Feature Number on Hazardous Waste List: 0
 Subregional Basin Feature Number: 5205
 Name: Penbeck Oil Co.
 Alias: Not reported
 Description: gas station line leak (1982)
 Lat/Long: 41.53904 / -72.81437
 State Plane x/y: 982376 / 757142

**40
 NE
 1/2-1
 3291 ft.**

**QUINLAN RUSSELL
 5 CROSS STREET
 MERIDEN, CT 06450**

**RCRA-SQG 1000235508
 FINDS CTD000842906
 RCRA-TSDF
 RAATS
 CORRACTS
 CERC-NFRAP**

**Relative:
 Lower**

**Actual:
 143 ft.**

CERCLIS-NFRAP Classification Data:

Federal Facility: Not a Federal Facility
 Non NPL Code: DR
 NPL Status: Not on the NPL

CERCLIS-NFRAP Assessment History:

Assessment: DISCOVERY	Completed: 01/17/1990
Assessment: PRELIMINARY ASSESSMENT	Completed: 06/21/1990
Assessment: ARCHIVE SITE	Completed: 01/25/1996

CERCLIS-NFRAP Alias Name(s):

COGGINS, J.C.
 COGGINS, J.C.

CORRACTS Data:

EPA Id: CTD000842906
 Region: 01
 Area Name: ENTIRE FACILITY
 Actual Date: 09/10/1993
 Corrective Action: CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority
 2002 NAICS Title: Not reported

RCRAInfo Corrective Action Summary:

Event: CA Prioritization, Facility or area was assigned a medium corrective action priority.
 Event Date: 09/10/1993

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

QUINLAN RUSSELL (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000235508

RCRAInfo:

Owner: J B COGGINS MANUFACTURING COMPANY
 (203) 235-7927
 EPA ID: CTD000842906
 Contact: STUART GRANDY
 (203) 235-7927

Classification: TSDF
 TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: 22a-449(c)-105(h)
 Area of Violation: TSD-OTHER REQUIREMENTS
 Date Violation Determined: 01/24/2005
 Actual Date Achieved Compliance: Not reported

Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 01/27/2005
 Penalty Type: Not reported

Regulation Violated: Not reported
 Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
 Date Violation Determined: 11/20/1990
 Actual Date Achieved Compliance: 03/30/1994

Regulation Violated: Not reported
 Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
 Date Violation Determined: 11/20/1990
 Actual Date Achieved Compliance: 03/30/1994

Regulation Violated: Not reported
 Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
 Date Violation Determined: 12/02/1986
 Actual Date Achieved Compliance: 03/30/1994

Regulation Violated: Not reported
 Area of Violation: FORMAL ENFORCEMENT AGREEMENT
 Date Violation Determined: 11/05/1985
 Actual Date Achieved Compliance: 03/30/1994

Regulation Violated: Not reported
 Area of Violation: TSD-GOUNDWATER MONITORING REQUIREMENTS
 Date Violation Determined: 11/05/1985
 Actual Date Achieved Compliance: 02/05/1986

Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 01/27/1986
 Penalty Type: Not reported

Regulation Violated: Not reported
 Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
 Date Violation Determined: 11/05/1985
 Actual Date Achieved Compliance: 03/30/1994

Regulation Violated: Not reported
 Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
 Date Violation Determined: 07/11/1985
 Actual Date Achieved Compliance: 03/30/1994

Regulation Violated: Not reported
 Area of Violation: TSD-GOUNDWATER MONITORING REQUIREMENTS
 Date Violation Determined: 04/26/1985

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

QUINLAN RUSSELL (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000235508

Actual Date Achieved Compliance:	03/30/1994
Regulation Violated:	Not reported
Area of Violation:	TSD-GOUNDWATER MONITORING REQUIREMENTS
Date Violation Determined:	11/19/1984
Actual Date Achieved Compliance:	02/05/1986
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	01/27/1986
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	11/19/1984
Actual Date Achieved Compliance:	07/15/1987
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	01/22/1985
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-GOUNDWATER MONITORING REQUIREMENTS
Date Violation Determined:	11/19/1984
Actual Date Achieved Compliance:	03/30/1994
Regulation Violated:	Not reported
Area of Violation:	TSD-GOUNDWATER MONITORING REQUIREMENTS
Date Violation Determined:	07/13/1984
Actual Date Achieved Compliance:	04/26/1985
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	07/23/1984
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-CLOSURE/POST-CLOSURE REQUIREMENTS
Date Violation Determined:	01/26/1984
Actual Date Achieved Compliance:	03/30/1994
Regulation Violated:	Not reported
Area of Violation:	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS
Date Violation Determined:	01/26/1984
Actual Date Achieved Compliance:	03/30/1994
Regulation Violated:	Not reported
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	01/26/1984
Actual Date Achieved Compliance:	03/30/1994

There are 16 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Non-Financial Record Review	TSD-OTHER REQUIREMENTS	
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19940330
	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19940330
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19940330
Compliance Schedule Evaluation	FORMAL ENFORCEMENT AGREEMENT	19940330
Compliance Evaluation Inspection	TSD-GOUNDWATER MONITORING REQUIREMENTS	19860205
	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19940330
Non-Financial Record Review	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19940330
Compliance GW Monitoring Evaluation	TSD-GOUNDWATER MONITORING REQUIREMENTS	19940330
Compliance Evaluation Inspection	TSD-GOUNDWATER MONITORING REQUIREMENTS	19860205

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

QUINLAN RUSSELL (Continued)

EDR ID Number
 EPA ID Number

Site	Database(s)	EDR ID Number EPA ID Number
QUINLAN RUSSELL (Continued)		1000235508
	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19870715
	TSD-GOUNDWATER MONITORING REQUIREMENTS	19940330
Non-Financial Record Review	TSD-GOUNDWATER MONITORING REQUIREMENTS	19850426
Compliance Evaluation Inspection	TSD-CLOSURE/POST-CLOSURE REQUIREMENTS	19940330
	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS	19940330
	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19940330

NY MANIFEST

[Click this hyperlink](#) while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:

Other Pertinent Environmental Activity Identified at Site:
 RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

41
NE
 1/2-1
 3344 ft.

J.B. COGGINS
INDUSTRIAL WASTEWTR
 , CT

LWDS **W991101627**
N/A

Relative:
Lower

LWDS:
 ArcView Legend Symbology: INDUST WTR
 Leachate and Wastewater Name: INDUSTRIAL WASTEWTR
 Leachate and Wastewater Number: 5206009
 Status of the Discharge Activity: ACTIVE
 Leachate and Waste Flow: SURFACE
 Feature Number on Hazardous Waste List: 0
 Subregional Basin Feature Number: 5206
 Name: J.B. Coggins
 Alias: Not reported
 Description: treated industrial discharge
 Lat/Long: 41.54022 / -72.79727
 State Plane x/y: 987058 / 757566

42
NNE
 1/2-1
 3385 ft.

J. B. COGGINS CO.
5 CROSS STREET
MERIDEN, CT

SHWS **S104254245**
SDADB **N/A**

Relative:
Higher

Actual:
151 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

J. B. COGGINS CO. (Continued)

EDR ID Number
EPA ID Number

Database(s)

S104254245

SHWS:

State ID: 228
Groundwater Class: Not reported
Comments : ALL WASTE REMOVED PURSUANT TO CT HAZARDOUS WASTE MANAGEMENT REGULATIONS IN 6/12/85. ADDRESS ON TRANSFER FORM 531 CROSS STREET. 5-31 CROSS STREET
EPA ID: CTD000842906
Waste Category: METALS, MOH SLUDGE
PTP Id Number : Not reported
Location Method : UNK
Sample : No
Updated By : Not reported
Update Program : Not reported
Date Updated : Not reported
Duplicate : No
Program : SUPERFUND
Inventory Date : 7/6/1987
On Inventory : Yes
Assessed : Yes
87 Group : RC
87 Origin : INVENTORY
On 87 : Yes
WPC Number : Not reported
Lat/Long : 41.55 / -72.7917
Lat/Long Deg: 41-32-60 / 72-47-30
PO Office : Not reported

Site Discovery and Assessment:

Facility ID: 228
WPC Number : Not reported
Rem ID : Not reported
Lat/Long : 41.55 / -72.7917
Lat/Long Determined By : UNK
Waste Type 1 : Metals
Waste Type 2 : MOH SLUDGE
Waste Type 3 : Not reported
Disposal 1 : LAGOON
Disposal 2 : IMPOUNDMENT
Disposal 3 : Not reported
Sample Data Available : No
Ground Water Quality Classification : Not reported
Surface Water Quality Classification : Not reported
PTP Id: Not reported
Postal District: Not reported
Lat/Lon: 41° 32' 60" / 72° 47' 30"
Updated By: Not reported
Update Program: Not reported
Updated: Not reported
Duplicate: No
Comments : ALL WASTE REMOVED PURSUANT TO CT HAZARDOUS WASTE MANAGEMENT REGULATIONS IN 6/12/85. ADDRESS ON TRANSFER FORM 531 CROSS STREET. 5-31 CROSS STREET

Federal

EPA CERCLIS Id : Not reported
Number EPA RCRIS Id : Not reported
Site on EPA's CERCLIS : Yes
Site Archived from CERCLIS : No
Date of archive : Not reported
EPA's Removal at Site : N

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

J. B. COGGINS CO. (Continued)

S104254245

Deferred to another EPA Program :	Yes
EPA Env Priority Initiative Site :	No
Federal Facility :	No
Site on EPA's National Priority List :	No
Part of an NPL site :	No
RCRA Generator Status :	GEN
RCRA Permit Status :	Not reported
Referral	
Referral Id:	223
Source of referral:	SUPERFUND
Date received:	7/6/1987
Staff assigned:	DEP
Remediation program:	SUPERFUND
Date assigned:	7/6/1987
Date completed:	7/6/1987
Outcome:	INVENTORY
Remedial	
Remedial Id :	Not reported
PTP Id :	Not reported
Remediation Program :	Not reported
Remediation Program Entered :	Not reported
Staff Assigned :	Not reported
Remediation Program :	Not reported
Date assigned :	Not reported
Project Phase :	Not reported
Order issued :	Not reported
Order Number :	Not reported
Date order issued :	Not reported
Remedial Investigation Start :	Not reported
Remedial Investigation Completed :	Not reported
Remedial Design Start :	Not reported
Remedial Design complet :	Not reported
Remedial Action Start :	Not reported
Remedial Action Completed :	Not reported
Date Oper/ maintenance Started :	Not reported
GW monitoring :	Not reported
Remediation complete Approved DEP/Verified by LEP :	Not reported
Orders	
Order Id :	Not reported
Order number :	Not reported
Date Order Issued :	Not reported
Staff assigned :	Not reported
Type of Order :	Not reported
Order Respondent :	Not reported
Admin Appeal Date :	Not reported
Admin Appeal Ruling :	Not reported
Date of Admin Appeal Ruling :	Not reported
Date of Final Order :	Not reported
Date of Court Appeal :	Not reported
Court ruling :	Not reported
Date of Court Ruling :	Not reported
Date Order Modified :	Not reported
Date Order Revoked :	Not reported
Date Referred to AG :	Not reported
Judgement :	Not reported
Date of AGR judgement :	Not reported
Penalty assessed :	Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

J. B. COGGINS CO. (Continued)

EDR ID Number
 EPA ID Number

Database(s)

Order Complete : Not reported
 In compliance : Not reported
 Comments : Not reported

S104254245

43
East
1/2-1
3552 ft.

MERIDEN
SALT STORAGE -COVERD
, CT

LWDS W991101629
N/A

Relative:
Higher

LWDS:
 ArcView Legend Symbology: SALT-COVER
 Leachate and Wastewater Name: SALT STORAGE -COVERD
 Leachate and Wastewater Number: 5206011
 Status of the Discharge Activity: ACTIVE
 Leachate and Waste Flow: GROUND
 Feature Number on Hazardous Waste List: 0
 Subregional Basin Feature Number: 5206
 Name: Meriden
 Alias: Not reported
 Description: covered salt storage on asphalt/concrete
 Lat/Long: 41.53341 / -72.79358
 State Plane x/y: 988068 / 755084

Actual:
279 ft.

44
North
1/2-1
3652 ft.

MRM INDUSTRIES
INDUSTRIAL WASTEWTR
, CT

LWDS W991101616
N/A

Relative:
Lower

LWDS:
 ArcView Legend Symbology: INDUST WTR
 Leachate and Wastewater Name: INDUSTRIAL WASTEWTR
 Leachate and Wastewater Number: 5205003
 Status of the Discharge Activity: ACTIVE
 Leachate and Waste Flow: SURFACE
 Feature Number on Hazardous Waste List: 0
 Subregional Basin Feature Number: 5205
 Name: MRM Industries
 Alias: Not reported
 Description: treated industrial discharge
 Lat/Long: 41.54405 / -72.80893
 State Plane x/y: 983868 / 758966

Actual:
131 ft.

45
WNW
1/2-1
4179 ft.

MERIDEN WATER DEPT. (CUNO)
CONTAMINATED WELL
, CT

LWDS W991101618
N/A

Relative:
Lower

Actual:
111 ft.

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

MERIDEN WATER DEPT. (CUNO) (Continued)

W991101618

LWDS:
 ArcView Legend Symbology: CONTM WELL
 Leachate and Wastewater Name: CONTAMINATED WELL
 Leachate and Wastewater Number: 5205005
 Status of the Discharge Activity: ACTIVE
 Leachate and Waste Flow: GROUND
 Feature Number on Hazardous Waste List: 0
 Subregional Basin Feature Number: 5205
 Name: Meriden Water Dept. (CUNO)
 Alias: Not reported
 Description: Public well (NIS) contaminated with solvents
 Lat/Long: 41.53705 / -72.82128
 State Plane x/y: 980484 / 756415

46
SSW
1/2-1
4185 ft.

SWEEDS AUTO WRECKING CO.
AUTO JUNKYARD
, CT

LWDS W991101633
N/A

Relative:
Higher

LWDS:
 ArcView Legend Symbology: AUTO JNKYD
 Leachate and Wastewater Name: AUTO JUNKYARD
 Leachate and Wastewater Number: 5206015
 Status of the Discharge Activity: ACTIVE
 Leachate and Waste Flow: GROUND
 Feature Number on Hazardous Waste List: 0
 Subregional Basin Feature Number: 5206
 Name: Sweeds Auto Wrecking Co.
 Alias: Not reported
 Description: contamination with solvents
 Lat/Long: 41.52316 / -72.81071
 State Plane x/y: 983375 / 751352

Actual:
189 ft.

47
WNW
1/2-1
4547 ft.

AS U LIKE IT CLEANERS
518 WEST MAIN STREET
MERIDEN, CT 06450

SHWS S100997070
SDADB N/A

Relative:
Lower

Actual:
134 ft.

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

AS U LIKE IT CLEANERS (Continued)

S100997070

SHWS:

State ID: 1540
 Groundwater Class: GB/GA
 Comments : WATER NOTIFIED OF PCE IN DRY WELL 9/30/94
 EPA ID: CTD018707752
 Waste Category: CHLR VOC
 PTP Id Number : Not reported
 Location Method : Not reported
 Sample : No
 Updated By : WINDISCH, S.
 Update Program : D&A
 Date Updated : 5/2/2000
 Duplicate : No
 Program : D&A
 Inventory Date : 6/3/1994
 On Inventory : Yes
 Assessed : No
 87 Group : Not reported
 87 Origin : Not reported
 On 87 : No
 WPC Number : Not reported
 Lat/Long : Not reported
 Lat/Long Deg: Not reported
 PO Office : Not reported

Site Discovery and Assessment:

Facility ID: 1540
 WPC Number : Not reported
 Rem ID : Not reported
 Lat/Long : Not reported
 Lat/Long Determined By : Not reported
 Waste Type 1 : Chlorinated Volatile Organic Compounds
 Waste Type 2 : Not reported
 Waste Type 3 : Not reported
 Disposal 1 : DRYWELL
 Disposal 2 : SPILL/DUMP
 Disposal 3 : Not reported
 Sample Data Available : No
 Ground Water Quality Classification : GB/GA
 Surface Water Quality Classification : B/A
 PTP Id: Not reported
 Postal District: Not reported
 Lat/Lon: Not reported
 Updated By: WINDISCH, S.
 Update Program: D&A
 Updated: 5/2/2000
 Duplicate: No
 Comments : WATER NOTIFIED OF PCE IN DRY WELL 9/30/94
 Federal
 EPA CERCLIS Id : Not reported
 Number EPA RCRIS Id : Not reported
 Site on EPA's CERCLIS : Not reported
 Site Archived from CERCLIS : Not reported
 Date of archive : Not reported
 EPA's Removal at Site : Not reported
 Deferred to another EPA Program : Not reported
 EPA Env Priority Initiative Site : Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

AS U LIKE IT CLEANERS (Continued)

S100997070

Federal Facility :	Not reported
Site on EPA's National Priority List :	Not reported
Part of an NPL site :	Not reported
RCRA Generator Status :	Not reported
RCRA Permit Status :	Not reported
Referral	
Referral Id:	1420
Source of referral:	SUPERFUND
Date received:	9/14/1993
Staff assigned:	MCDANIEL, M.
Remediation program:	D&A
Date assigned:	9/14/1993
Date completed:	6/3/1994
Outcome:	INVENTORY
Remedial	
Remedial Id :	Not reported
PTP Id :	Not reported
Remediation Program :	Not reported
Remediation Program Entered :	Not reported
Staff Assigned :	Not reported
Remediation Program :	Not reported
Date assigned :	Not reported
Project Phase :	Not reported
Order issued :	Not reported
Order Number :	Not reported
Date order issued :	Not reported
Remedial Investigation Start :	Not reported
Remedial Investigation Completed :	Not reported
Remedial Design Start :	Not reported
Remedial Design complet :	Not reported
Remedial Action Start :	Not reported
Remedial Action Completed :	Not reported
Date Oper/ maintenance Started :	Not reported
GW monitoring :	Not reported
Remediation complete Approved DEP/Verified by LEP :	Not reported
Orders	
Order Id :	Not reported
Order number :	Not reported
Date Order Issued :	Not reported
Staff assigned :	Not reported
Type of Order :	Not reported
Order Respondent :	Not reported
Admin Appeal Date :	Not reported
Admin Appeal Ruling :	Not reported
Date of Admin Appeal Ruling :	Not reported
Date of Final Order :	Not reported
Date of Court Appeal :	Not reported
Court ruling :	Not reported
Date of Court Ruling :	Not reported
Date Order Modified :	Not reported
Date Order Revoked :	Not reported
Date Referred to AG :	Not reported
Judgement :	Not reported
Date of AGR judgement :	Not reported
Penalty assessed :	Not reported
Order Complete :	Not reported
In compliance :	Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

AS U LIKE IT CLEANERS (Continued)

S100997070

Comments : Not reported

48
WNW
 1/2-1
 4667 ft.

DRUM SILVER
OIL/CHEMICAL SPILLS
 , CT

LWDS W991101619
N/A

Relative:
Lower

LWDS:

ArcView Legend Symbology: SPILL
 Leachate and Wastewater Name: OIL/CHEMICAL SPILLS
 Leachate and Wastewater Number: 5205006
 Status of the Discharge Activity: INACTIVE
 Leachate and Waste Flow: GROUND
 Feature Number on Hazardous Waste List: 0
 Subregional Basin Feature Number: 5205
 Name: Drum Silver
 Alias: Not reported
 Description: Metals, hydrocarbon contamination
 Lat/Long: 41.53982 / -72.82182
 State Plane x/y: 980337 / 757424

Actual:
122 ft.

49
ENE
 1/2-1
 4706 ft.

MILLER CO.
COOLING/IND DISCHRG
 , CT

LWDS W991101626
N/A

Relative:
Higher

LWDS:

ArcView Legend Symbology: COOL&INDUS
 Leachate and Wastewater Name: COOLING/IND DISCHRG
 Leachate and Wastewater Number: 5206008
 Status of the Discharge Activity: ACTIVE
 Leachate and Waste Flow: SURFACE
 Feature Number on Hazardous Waste List: 0
 Subregional Basin Feature Number: 5206
 Name: Miller Co.
 Alias: Not reported
 Description: treated industrial discharge and cooling water
 Lat/Long: 41.54089 / -72.7918
 State Plane x/y: 988557 / 757809

Actual:
147 ft.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
FRANKLIN	U002175338	ROADWAY EXPRESS INC	LEBANON ROAD RT 87	06450	UST
MERIDEN	U003518489	MERIDEN MAINT. GARAGE (BLDG 81-126)	ROUTE 15 W. C. PARKWAY	06450	UST
MERIDEN	S104254237	DUMP #9	ROUTE 66		SDADB
MERIDEN	1008409107	MERIDEN HUB	1 & 77 STATE STREET/30 & 50 EAST MAIN STREET	06450	US BROWNFIELDS
MERIDEN	S106508123	DRY CLEANERS & GAS STATIONS	885-889, 893, 903 / 927 EAST MAIN S	06450	LUST
MERIDEN	S100005691	EYELET SPECIALTIES	NORTH BROWN ST.	06450	LUST
MERIDEN	S104254243	INSILCO DUMP SITE	CENTENNIAL SHOP PLAZA		SDADB
MERIDEN	1000247984	MERIDEN FOUNDRY CO THE	CHAMBERLAIN HWY	06450	RCRA-SQG, FINDS
MERIDEN	S104254230	DUMP #11	NORTH COLONY STREET		SDADB
MERIDEN	S105457873	CABIN RESTAURANT / ANTHONY PAGUNI	COLONY STREET, BROOKS STREET	06450	LUST
MERIDEN	S106593584	PHILLIPS PROPERTY	SW CORNER NORTH COLONY ROAD / HI		SHWS, SDADB
MERIDEN	U002173549	WESTVACO	EMPIRE AVE	06450	SHWS, UST, CT PROPERTY, SDADB
MERIDEN	S104254240	HANOVER POND	HANOVER POND		SDADB
MERIDEN	S104254228	DUMP #1	HANOVER STREET		SDADB
MERIDEN	S104254241	INSILCO	HICKS ST		SDADB
MERIDEN	S106508107	INTERSECTION OF W. MAIN & CENTENNIAL	INTERSECTION OF W. MAIN / CENTENNIA	06450	LUST
MERIDEN	S104254222	1940'S INSILCO DUMP SITE	LEONARD STREET		SDADB
MERIDEN	S106704249	VETERNS MEMORIAL MEDICAL CENTER	LEWIS AVE ACROSS FROM MERIDAN SQUAR	06450	LUST
MERIDEN	S106054412	GETTY SERVICE STATION #590	934 EAST MAIN STREET		LUST, CT Spills
MERIDEN	S104236791	WAYNE GRANT	100 MYREN ST	06450	LUST, CT Spills
MERIDEN	U004009267	JOSEPH PERUTI	790 OLD COLONY RD. REAR	06451	UST
MERIDEN	S104254231	DUMP #2	WEST SIDE HANOVER POND		SDADB
MERIDEN	S106508082	CITY OF MERIDEN, BOB MERCALDI	SILVER LAKE PUMP STATION, SILVER LA	06450	LUST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

FEDERAL RECORDS

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/14/05	Source: EPA
Date Data Arrived at EDR: 11/02/05	Telephone: N/A
Date Made Active in Reports: 12/07/05	Last EDR Contact: 01/31/06
Number of Days to Update: 35	Next Scheduled EDR Contact: 05/01/06
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 8
Telephone: 303-312-6774

EPA Region 4
Telephone 404-562-8033

Proposed NPL: Proposed National Priority List Sites

Date of Government Version: 10/14/05	Source: EPA
Date Data Arrived at EDR: 11/02/05	Telephone: N/A
Date Made Active in Reports: 12/07/05	Last EDR Contact: 01/31/06
Number of Days to Update: 35	Next Scheduled EDR Contact: 05/01/06
	Data Release Frequency: Quarterly

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/14/05	Source: EPA
Date Data Arrived at EDR: 11/02/05	Telephone: N/A
Date Made Active in Reports: 12/07/05	Last EDR Contact: 01/31/06
Number of Days to Update: 35	Next Scheduled EDR Contact: 05/01/06
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/91
Date Data Arrived at EDR: 02/02/94
Date Made Active in Reports: 03/30/94
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 02/20/06
Next Scheduled EDR Contact: 05/22/06
Data Release Frequency: No Update Planned

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/24/05
Date Data Arrived at EDR: 12/21/05
Date Made Active in Reports: 01/30/06
Number of Days to Update: 40

Source: EPA
Telephone: 703-413-0223
Last EDR Contact: 12/21/05
Next Scheduled EDR Contact: 03/20/06
Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

Date of Government Version: 10/24/05
Date Data Arrived at EDR: 12/21/05
Date Made Active in Reports: 01/30/06
Number of Days to Update: 40

Source: EPA
Telephone: 703-413-0223
Last EDR Contact: 12/21/05
Next Scheduled EDR Contact: 03/20/06
Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/29/05
Date Data Arrived at EDR: 01/11/06
Date Made Active in Reports: 02/21/06
Number of Days to Update: 41

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/06/05
Next Scheduled EDR Contact: 03/06/06
Data Release Frequency: Quarterly

RCRA: Resource Conservation and Recovery Act Information

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/15/05	Source: EPA
Date Data Arrived at EDR: 12/28/05	Telephone: 800-424-9346
Date Made Active in Reports: 01/30/06	Last EDR Contact: 12/28/05
Number of Days to Update: 33	Next Scheduled EDR Contact: 02/27/06
	Data Release Frequency: Quarterly

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/05	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/12/06	Telephone: 202-260-2342
Date Made Active in Reports: 02/21/06	Last EDR Contact: 01/12/06
Number of Days to Update: 40	Next Scheduled EDR Contact: 04/24/06
	Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/05	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 01/16/06	Telephone: 202-366-4555
Date Made Active in Reports: 02/21/06	Last EDR Contact: 01/16/06
Number of Days to Update: 36	Next Scheduled EDR Contact: 04/17/06
	Data Release Frequency: Annually

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/02/05	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/12/05	Telephone: 703-603-8867
Date Made Active in Reports: 10/06/05	Last EDR Contact: 02/10/06
Number of Days to Update: 55	Next Scheduled EDR Contact: 04/03/06
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 01/10/05	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/11/05	Telephone: 703-603-8867
Date Made Active in Reports: 04/06/05	Last EDR Contact: 02/10/06
Number of Days to Update: 54	Next Scheduled EDR Contact: 04/03/06
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/04	Source: USGS
Date Data Arrived at EDR: 02/08/05	Telephone: 703-692-8801
Date Made Active in Reports: 08/04/05	Last EDR Contact: 02/06/06
Number of Days to Update: 177	Next Scheduled EDR Contact: 05/08/06
	Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/05/05	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 01/19/06	Telephone: 202-528-4285
Date Made Active in Reports: 02/21/06	Last EDR Contact: 01/19/06
Number of Days to Update: 33	Next Scheduled EDR Contact: 04/03/06
	Data Release Frequency: Varies

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients--States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 11/29/05	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/05/05	Telephone: 202-566-2777
Date Made Active in Reports: 01/30/06	Last EDR Contact: 11/30/05
Number of Days to Update: 56	Next Scheduled EDR Contact: 03/13/06
	Data Release Frequency: Semi-Annually

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/14/04	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 02/15/05	Telephone: Varies
Date Made Active in Reports: 04/25/05	Last EDR Contact: 01/26/06
Number of Days to Update: 69	Next Scheduled EDR Contact: 04/24/06
	Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 12/07/05	Source: EPA
Date Data Arrived at EDR: 01/06/06	Telephone: 703-416-0223
Date Made Active in Reports: 02/21/06	Last EDR Contact: 01/04/06
Number of Days to Update: 46	Next Scheduled EDR Contact: 04/03/06
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 11/04/05	Source: Department of Energy
Date Data Arrived at EDR: 11/28/05	Telephone: 505-845-0011
Date Made Active in Reports: 01/30/06	Last EDR Contact: 10/28/05
Number of Days to Update: 63	Next Scheduled EDR Contact: 12/19/05
	Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/85	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/04	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/04	Last EDR Contact: 06/09/04
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/03	Source: EPA
Date Data Arrived at EDR: 07/13/05	Telephone: 202-566-0250
Date Made Active in Reports: 08/17/05	Last EDR Contact: 12/21/05
Number of Days to Update: 35	Next Scheduled EDR Contact: 03/20/06
	Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/02	Source: EPA
Date Data Arrived at EDR: 04/27/04	Telephone: 202-260-5521
Date Made Active in Reports: 05/21/04	Last EDR Contact: 01/30/06
Number of Days to Update: 24	Next Scheduled EDR Contact: 04/17/06
	Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/12/05	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 10/31/05	Telephone: 202-566-1667
Date Made Active in Reports: 12/20/05	Last EDR Contact: 12/20/05
Number of Days to Update: 50	Next Scheduled EDR Contact: 03/20/06
	Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Date of Government Version: 10/12/05	Source: EPA
Date Data Arrived at EDR: 10/31/05	Telephone: 202-566-1667
Date Made Active in Reports: 12/20/05	Last EDR Contact: 12/20/05
Number of Days to Update: 50	Next Scheduled EDR Contact: 03/20/06
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/03	Source: EPA
Date Data Arrived at EDR: 01/03/05	Telephone: 202-564-4203
Date Made Active in Reports: 01/25/05	Last EDR Contact: 01/16/06
Number of Days to Update: 22	Next Scheduled EDR Contact: 04/17/06
	Data Release Frequency: Annually

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 08/30/05	Source: EPA
Date Data Arrived at EDR: 09/13/05	Telephone: 202-564-3887
Date Made Active in Reports: 10/27/05	Last EDR Contact: 02/08/06
Number of Days to Update: 44	Next Scheduled EDR Contact: 05/08/06
	Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/18/05	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 10/31/05	Telephone: 301-415-7169
Date Made Active in Reports: 12/20/05	Last EDR Contact: 02/08/06
Number of Days to Update: 50	Next Scheduled EDR Contact: 04/03/06
	Data Release Frequency: Quarterly

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 11/08/05	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 12/27/05	Telephone: 303-231-5959
Date Made Active in Reports: 01/30/06	Last EDR Contact: 12/27/05
Number of Days to Update: 34	Next Scheduled EDR Contact: 03/27/06
	Data Release Frequency: Semi-Annually

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 01/09/06	Source: EPA
Date Data Arrived at EDR: 01/16/06	Telephone: N/A
Date Made Active in Reports: 02/21/06	Last EDR Contact: 01/03/06
Number of Days to Update: 36	Next Scheduled EDR Contact: 04/03/06
	Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/17/95
Date Data Arrived at EDR: 07/03/95
Date Made Active in Reports: 08/07/95
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 12/05/05
Next Scheduled EDR Contact: 03/06/06
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/03
Date Data Arrived at EDR: 06/17/05
Date Made Active in Reports: 08/04/05
Number of Days to Update: 48

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/12/05
Next Scheduled EDR Contact: 12/12/05
Data Release Frequency: Biennially

STATE AND LOCAL RECORDS

SHWS: Inventory of Hazardous Disposal Sites

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 11/21/05
Date Data Arrived at EDR: 11/22/05
Date Made Active in Reports: 12/29/05
Number of Days to Update: 37

Source: Department of Environmental Protection
Telephone: 860-424-3721
Last EDR Contact: 02/16/06
Next Scheduled EDR Contact: 05/01/06
Data Release Frequency: Varies

SDADB: Site Discovery and Assessment Database

All sites reported to Permitting, Enforcement, and Remediation Division where it is suspected that hazardous waste may have been disposed or sites that are eligible for listing on the State Inventory of Hazardous Waste Disposal Sites.

Date of Government Version: 11/21/05
Date Data Arrived at EDR: 11/22/05
Date Made Active in Reports: 12/29/05
Number of Days to Update: 37

Source: Department of Environmental Protection
Telephone: 860-424-3721
Last EDR Contact: 02/16/06
Next Scheduled EDR Contact: 05/01/06
Data Release Frequency: Semi-Annually

SWF/LF: List of Landfills/Transfer Stations

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 09/23/05
Date Data Arrived at EDR: 12/05/05
Date Made Active in Reports: 12/29/05
Number of Days to Update: 24

Source: Department of Environmental Protection
Telephone: 860-424-3366
Last EDR Contact: 02/20/06
Next Scheduled EDR Contact: 05/22/06
Data Release Frequency: Annually

SWRCY: Recycling Facilities

A listing of recycling facilities.

Date of Government Version: 09/23/05
Date Data Arrived at EDR: 12/01/05
Date Made Active in Reports: 12/29/05
Number of Days to Update: 28

Source: Department of Environmental Protection
Telephone: 860-424-3223
Last EDR Contact: 02/20/06
Next Scheduled EDR Contact: 05/22/06
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST: Leaking Underground Storage Tank List

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 11/23/05
Date Data Arrived at EDR: 11/28/05
Date Made Active in Reports: 12/29/05
Number of Days to Update: 31

Source: Department of Environmental Protection
Telephone: 860-424-3376
Last EDR Contact: 01/30/06
Next Scheduled EDR Contact: 05/01/06
Data Release Frequency: Semi-Annually

LWDS: Connecticut Leachate and Wastewater Discharge Sites

The Leachate and Waste Water Discharge Inventory Data Layer (LWDS) includes point locations digitized from Leachate and Wastewater Discharge Source maps compiled by the Connecticut DEP. These maps locate surface and groundwater discharges that (1) have received a waste water discharge permit from the state or (2) are historic and now defunct waste sites or (3) are locations of accidental spills, leaks, or discharges of a variety of liquid or solid wastes.

Date of Government Version: 09/22/99
Date Data Arrived at EDR: 11/15/99
Date Made Active in Reports: 12/09/99
Number of Days to Update: 24

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 02/08/06
Next Scheduled EDR Contact: 05/08/06
Data Release Frequency: Varies

UST: Underground Storage Tank Data

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 12/22/05
Date Data Arrived at EDR: 01/16/06
Date Made Active in Reports: 01/31/06
Number of Days to Update: 15

Source: Department of Environmental Protection
Telephone: 860-424-3376
Last EDR Contact: 01/09/06
Next Scheduled EDR Contact: 03/27/06
Data Release Frequency: Semi-Annually

AST: Marine Terminals and Tank Information

A listing of bulk petroleum facilities that receive petroleum by a vessel.

Date of Government Version: 10/28/04
Date Data Arrived at EDR: 10/28/04
Date Made Active in Reports: 12/09/04
Number of Days to Update: 42

Source: Department of Environmental Protection
Telephone: 860-424-3233
Last EDR Contact: 01/26/06
Next Scheduled EDR Contact: 03/20/06
Data Release Frequency: Varies

SPILLS: Oil & Chemical Spill Database

Oil and Chemical Spill Data.

Date of Government Version: 11/02/05
Date Data Arrived at EDR: 12/06/05
Date Made Active in Reports: 01/23/06
Number of Days to Update: 48

Source: Department of Environmental Protection
Telephone: 860-424-3254
Last EDR Contact: 01/30/06
Next Scheduled EDR Contact: 05/01/06
Data Release Frequency: Semi-Annually

INST CONTROL: ELUR Sites

Environmental Land Use Restriction sites.

Date of Government Version: 12/05/05
Date Data Arrived at EDR: 12/05/05
Date Made Active in Reports: 01/23/06
Number of Days to Update: 49

Source: Department of Environmental Protection
Telephone: 860-424-3912
Last EDR Contact: 12/05/05
Next Scheduled EDR Contact: 03/06/06
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

VCP: Voluntary Remediation Sites

Sites involved in the Voluntary Remediation Program.

Date of Government Version: 11/21/05
Date Data Arrived at EDR: 11/22/05
Date Made Active in Reports: 12/29/05
Number of Days to Update: 37

Source: Department of Environmental Protection
Telephone: 860-424-3705
Last EDR Contact: 02/16/06
Next Scheduled EDR Contact: 05/01/06
Data Release Frequency: Varies

Brownfields: Brownfields Inventory

Date of Government Version: 01/16/06
Date Data Arrived at EDR: 01/16/06
Date Made Active in Reports: 02/21/06
Number of Days to Update: 36

Source: Connecticut Brownfields Redevelopment Authority
Telephone: 860-258-7833
Last EDR Contact: 01/16/06
Next Scheduled EDR Contact: 04/17/06
Data Release Frequency: Varies

ENFORCEMENT: Enforcement Case Listing

The types of enforcement actions included are administrative consent orders, final unilateral orders and final dispositions of civil cases through the Attorney General's Office.

Date of Government Version: 09/30/05
Date Data Arrived at EDR: 11/16/05
Date Made Active in Reports: 12/29/05
Number of Days to Update: 43

Source: Department of Environmental Protection
Telephone: 860-424-3265
Last EDR Contact: 02/13/06
Next Scheduled EDR Contact: 05/15/06
Data Release Frequency: Varies

CT PROPERTY: Property Transfer Filings

A listing of sites that meet the definition of a hazardous waste establishment. They can be generators, dry cleaners, furniture strippers, etc. These sites have been sold to another owner.

Date of Government Version: 11/21/05
Date Data Arrived at EDR: 11/22/05
Date Made Active in Reports: 12/29/05
Number of Days to Update: 37

Source: Department of Environmental Protection
Telephone: 860-424-3789
Last EDR Contact: 02/16/06
Next Scheduled EDR Contact: 05/01/06
Data Release Frequency: Semi-Annually

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/04
Date Data Arrived at EDR: 02/08/05
Date Made Active in Reports: 08/04/05
Number of Days to Update: 177

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 02/06/06
Next Scheduled EDR Contact: 05/08/06
Data Release Frequency: Semi-Annually

EDR PROPRIETARY RECORDS

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Historical Auto Stations: EDR Proprietary Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Historical Cleaners: EDR Proprietary Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: PennWell Corporation
Telephone: (800) 823-6277

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Child Care Facilities

Source: Department of Public Health

Telephone: 860-509-8045

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Soils

Source: Department of Environmental Protection

Telephone: 860-871-4047

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

INSILCO (FACTORY H)
COOPER STREET
MERIDEN, CT 06451

TARGET PROPERTY COORDINATES

Latitude (North):	41.53420 - 41° 32' 3.1"
Longitude (West):	72.8065 - 72° 48' 23.4"
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	682989.7
UTM Y (Meters):	4600171.5
Elevation:	144 ft. above sea level

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

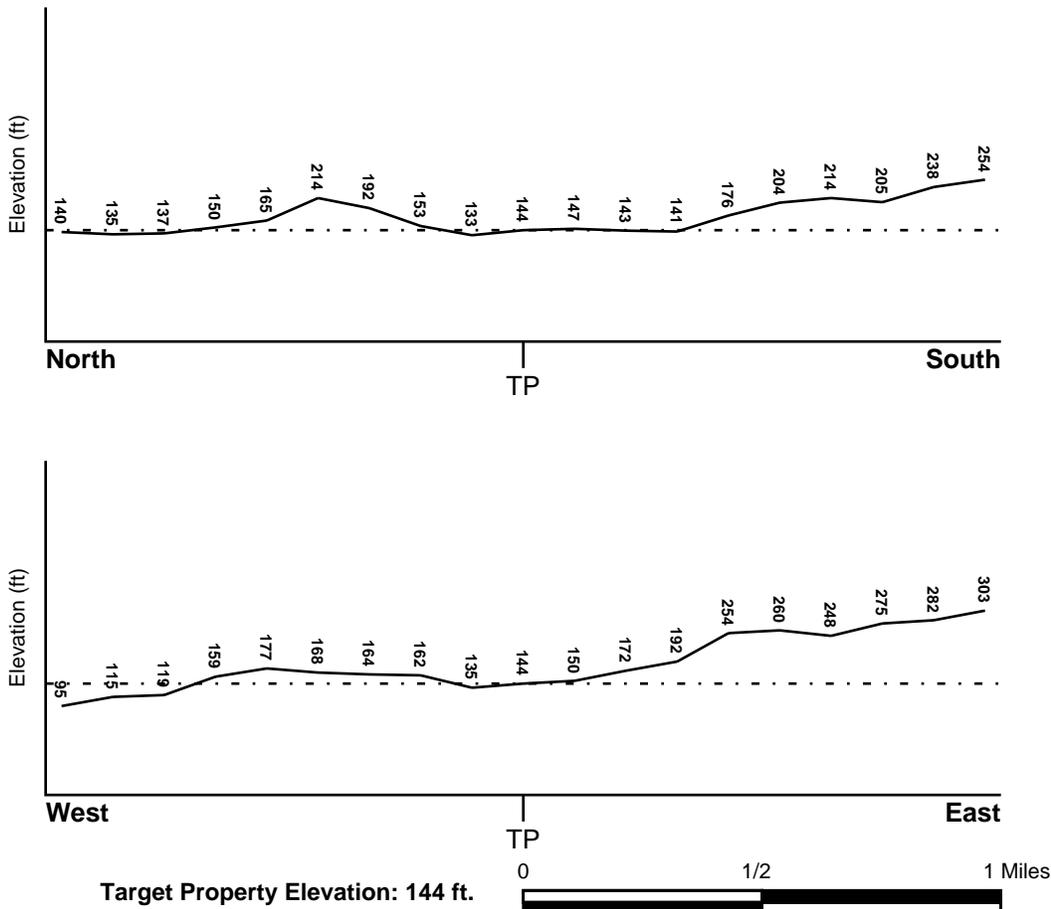
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

USGS Topographic Map: 41072-E7 MERIDEN, CT
General Topographic Gradient: General SSW
Source: USGS 7.5 min quad index

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Target Property County</u>	FEMA Flood <u>Electronic Data</u>
NEW HAVEN, CT	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 0900810003B

Additional Panels in search area: 0900810004B
0900810006B
0900810005B

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	NWI Electronic <u>Data Coverage</u>
MERIDEN	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION</u> <u>FROM TP</u>	<u>GENERAL DIRECTION</u> <u>GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era: Mesozoic
System: Triassic
Series: Triassic
Code: Tr (decoded above as Era, System & Series)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinator soil types may appear within the general area of target property.

Soil Surface Textures: fine sandy loam
loamy sand
sandy loam
very stony - fine sandy loam
loam

Surficial Soil Types: fine sandy loam
loamy sand
sandy loam
very stony - fine sandy loam
loam

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: sand
fine sandy loam
stratified
gravelly - fine sandy loam
gravelly - loam

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
2	USGS2099281	1/2 - 1 Mile NE
B6	USGS2099100	1/2 - 1 Mile North
B7	USGS2099101	1/2 - 1 Mile North
10	USGS2099273	1/2 - 1 Mile WNW
12	USGS2099287	1/2 - 1 Mile NE
C13	USGS2099243	1/2 - 1 Mile West

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

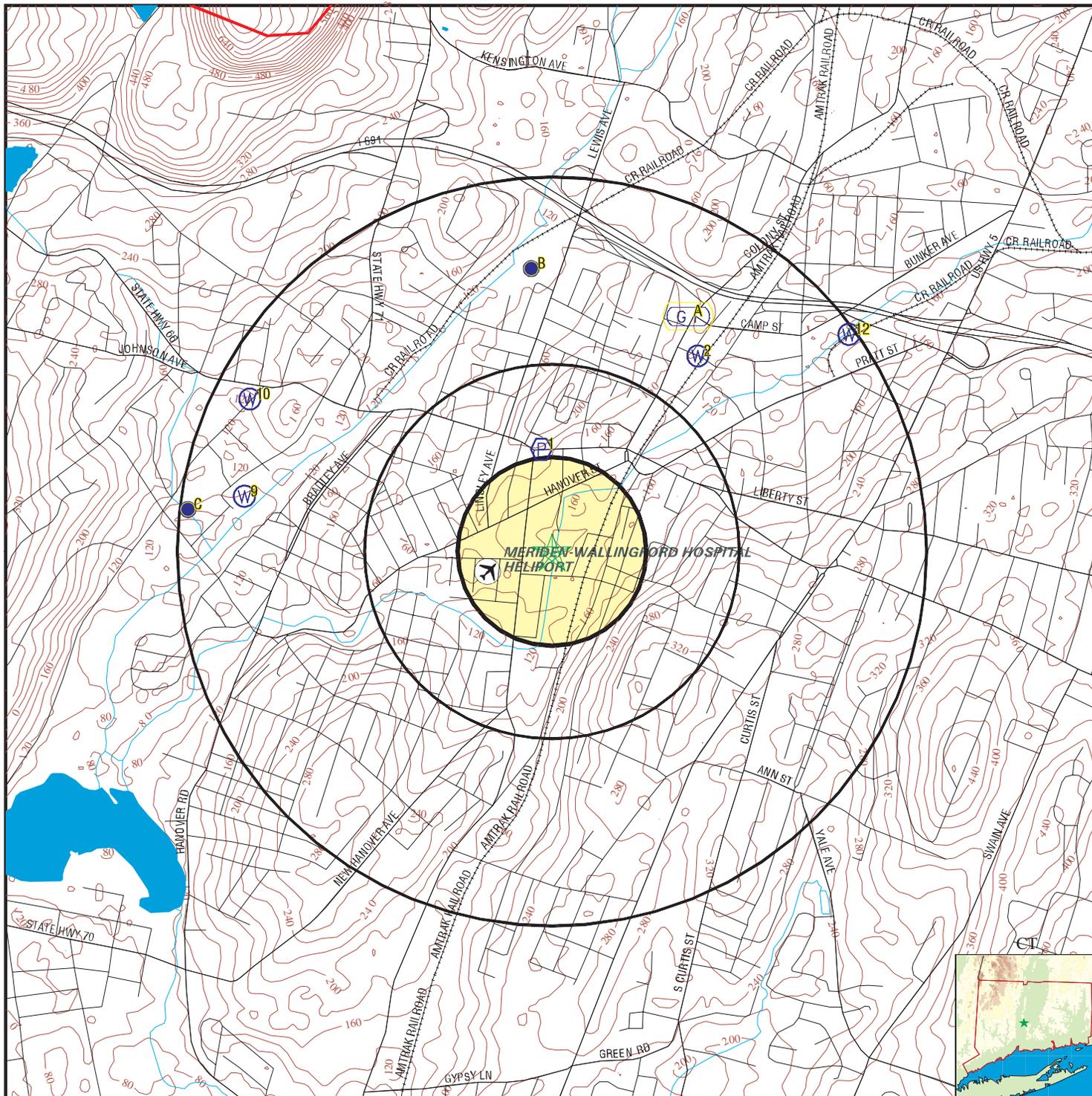
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	CT0800022	1/4 - 1/2 Mile North

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
B8	CTC000000001275	1/2 - 1 Mile North
9	CTC000000000398	1/2 - 1 Mile West
C11	CTC000000001277	1/2 - 1 Mile West

PHYSICAL SETTING SOURCE MAP - 1619740.2s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- EPA Designated Sole Src. Aq.

SITE NAME: Insilco (Factory H)
 ADDRESS: Cooper Street
 Meriden CT 06451
 LAT/LONG: 41.5342 / 72.8065

CLIENT: Metcalf & Eddy, Inc.
 CONTACT: Lucas Hellerich
 INQUIRY #: 1619740.2s
 DATE: February 23, 2006

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

1
North
1/4 - 1/2 Mile
Higher

FRDS PWS CT0800022

PWS ID: CT0800022 PWS Status: Active
 Date Initiated: 7706 Date Deactivated: Not Reported
 PWS Name: HUBBARD PARK
 MERIDEN, CT 06450

Addressee / Facility: Not Reported

Facility Latitude: 41 32 17 Facility Longitude: 072 48 27
 City Served: Not Reported
 Treatment Class: Untreated Population: 00000030

PWS currently has or had major violation(s) or enforcement: No

2
NE
1/2 - 1 Mile
Lower

FED USGS USGS2099281

Agency cd:	USGS	Site no:	413230072475801
Site name:	CT-ME 209		
Latitude:	413230		
Longitude:	0724758	Dec lat:	41.5417647
Dec lon:	-72.7989875	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	09
State:	09	County:	009
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	135.00	Altitude method:	M
Altitude accuracy:	5.	Altitude datum:	NGVD29
Hydrologic:	Quinnipiac, Connecticut. Area = 516 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	1963
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	440	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1963-09-01	Ground water data end date:	1963-09-01
Ground water data count:	1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1963-09-01	30.00	

A3 NNE 1/2 - 1 Mile Higher	Site ID:	Not Reported	AQUIFLOW	22004
	Groundwater Flow:	Not Reported		
	Shallow Water Depth:	4.6		
	Deep Water Depth:	7.8		
	Average Water Depth:	Not Reported		
	Date:	3/26/1992		

A4 NNE 1/2 - 1 Mile Higher	Site ID:	Not Reported	AQUIFLOW	22003
	Groundwater Flow:	Not Reported		
	Shallow Water Depth:	4.6		
	Deep Water Depth:	7.8		
	Average Water Depth:	Not Reported		
	Date:	3/26/1992		

A5 NNE 1/2 - 1 Mile Higher	Site ID:	Not Reported	AQUIFLOW	22002
	Groundwater Flow:	Not Reported		
	Shallow Water Depth:	4.6		
	Deep Water Depth:	7.8		
	Average Water Depth:	Not Reported		
	Date:	3/26/1992		

B6 North 1/2 - 1 Mile Lower			FED USGS	USGS2099100
--	--	--	-----------------	--------------------

Agency cd:	USGS	Site no:	413241072482701
Site name:	CT-ME 216		
Latitude:	413241	Dec lat:	41.54482028
Longitude:	0724827	Coor meth:	M
Dec lon:	-72.8070433	Latlong datum:	NAD27
Coor accr:	U	District:	09
Dec latlong datum:	NAD83	County:	009
State:	09	Land net:	Not Reported
Country:	US	Map scale:	Not Reported
Location map:	Not Reported	Altitude method:	Not Reported
Altitude:	Not Reported	Altitude datum:	Not Reported
Altitude accuracy:	Not Reported		
Hydrologic:	Lower Connecticut. Connecticut, Massachusetts. Area = 1090 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	440900700
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: Not Reported
 Water quality data end date: Not Reported
 Ground water data begin date: Not Reported
 Ground water data count: Not Reported

Water quality data begin date: Not Reported
 Water quality data count: Not Reported
 Ground water data end date: Not Reported

Ground-water levels, Number of Measurements: 0

B7
North
1/2 - 1 Mile
Lower

FED USGS USGS2099101

Agency cd:	USGS	Site no:	413242072483001
Site name:	CT-ME 196		
Latitude:	413242		
Longitude:	0724830	Dec lat:	41.54509806
Dec lon:	-72.8078767	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	09
State:	09	County:	009
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	125.00	Altitude method:	M
Altitude accuracy:	5.	Altitude datum:	NGVD29
Hydrologic:	Quinnipiac, Connecticut. Area = 516 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	1965
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	DRIFT,STRATIFIED		
Well depth:	72.0	Hole depth:	Not Reported
Source of depth data:	other	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1970-04-28
Water quality data end date:	1970-04-28	Water quality data count:	1
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

B8
North
1/2 - 1 Mile
Lower

CT WELLS CTC000000001275

CT Community Well			
Well ID:	1356	Well Name:	Columbus Park Well
Supply System ID:	80001	Supply System Name:	MERIDEN WATER DEPT
Source Status:	Active	Type:	Gravel Pack
Groundwater Aquifer Type:	Stratified Drift	GIS Date/Method:	1984 Tablet Digitize
Depth:	72 Feet	Depth to Bedrock:	0 Feet
Well Diameter:	24	Casing Diameter:	18
Pump Capacity:	300	Safe Yield:	.31999

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

9
West
1/2 - 1 Mile
Lower

CT WELLS CTC00000000398

CT Community Well

Well ID:	424	Well Name:	Cuno Well
Supply System ID:	80001	Supply System Name:	MERIDEN WATER DEPT
Source Status:	Inactive	Type:	Drilled
Groundwater Aquifer Type:	Bedrock	GIS Date/Method:	1984 Tablet Digitize
Depth:	52 Feet	Depth to Bedrock:	0 Feet
Well Diameter:	0	Casing Diameter:	0
Pump Capacity:	350	Safe Yield:	.37999

10
WNW
1/2 - 1 Mile
Lower

FED USGS USGS2099273

Agency cd:	USGS	Site no:	413224072492101
Site name:	CT-ME 208		
Latitude:	413224		
Longitude:	0724921	Dec lat:	41.54009778
Dec lon:	-72.82204389	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	09
State:	09	County:	009
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	128.00	Altitude method:	M
Altitude accuracy:	5.	Altitude datum:	NGVD29
Hydrologic:	Quinnipiac. Connecticut. Area = 516 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	1966
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	235	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1966-07-27	Ground water data end date:	1966-07-27
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

	Feet below	Feet to
Date	Surface	Sealevel

1966-07-27

Note: The site was flowing, but the head could not be measured without additional equipment.

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

C11
West
1/2 - 1 Mile
Lower

CT WELLS CTC000000001277

CT Community Well

Well ID:	1358	Well Name:	Lincoln Well
Supply System ID:	80001	Supply System Name:	MERIDEN WATER DEPT
Source Status:	Active	Type:	Gravel Pack
Groundwater Aquifer Type:	Stratified Drift	GIS Date/Method:	1984 Tablet Digitize
Depth:	77 Feet	Depth to Bedrock:	0 Feet
Well Diameter:	24	Casing Diameter:	18
Pump Capacity:	560	Safe Yield:	.605

12
NE
1/2 - 1 Mile
Higher

FED USGS USGS2099287

Agency cd:	USGS	Site no:	413233072473001
Site name:	CT-ME 186		
Latitude:	413233		
Longitude:	0724730	Dec lat:	41.54259806
Dec lon:	-72.7912094	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	09
State:	09	County:	009
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	138.00	Altitude method:	M
Altitude accuracy:	5.	Altitude datum:	NGVD29
Hydrologic:	Quinnipiac. Connecticut. Area = 516 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	1955
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	555	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1955-09-01	Ground water data end date:	1955-09-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

	Feet below	Feet to
Date	Surface	Sealevel

1955-09-01 9.00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

C13
West
1/2 - 1 Mile
Lower

FED USGS USGS2099243

Agency cd:	USGS	Site no:	413208072493301
Site name:	CT-ME 214		
Latitude:	413208		
Longitude:	0724933	Dec lat:	41.5356533
Dec lon:	-72.8253775	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	09
State:	09	County:	009
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	105.00	Altitude method:	M
Altitude accuracy:	5.	Altitude datum:	NGVD29
Hydrologic:	Quinnipiac. Connecticut. Area = 516 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	1966
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	DRIFT,STRATIFIED		
Well depth:	77.0	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1966-08-01	Ground water data end date:	1966-08-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1966-08-01	17.00	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CT Radon

Radon Test Results

City	Total Sites	< 4 Pci/L	4 < 10 Pci/L	10 < 20 Pci/L	20 < 50 Pci/L	50 < 100 Pci/L	> 100 Pci/L
Ansonia	110	62 (56.4)	29 (26.4)	8 (7.3)	10 (1)	1 (9)	0 (0)
Beacon Falls	4	3 (75)	1 (25)	0 (0)	0 (0)	0 (0)	0 (0)
Bethany	3	2 (66.7)	1 (33.3)	0 (0)	0 (0)	0 (0)	0 (0)
Branford	196	126 (64.3)	40 (20.4)	13 (6.6)	14 (7.1)	13 (1.5)	0 (0)
Cheshire	16	10 (62.5)	4 (25)	2 (12.5)	0 (0)	0 (0)	0 (0)
Derby	11	4 (36.4)	6 (54.6)	1 (9)	0 (0)	0 (0)	0 (0)
East Haven	27	22 (81.5)	4 (14.8)	1 (3.7)	0 (0)	0 (0)	0 (0)
Guilford	138	95 (68.8)	22 (15.9)	13 (9.4)	7 (5.1)	0 (0)	1 (.7)
Hamden	39	29 (74.4)	10 (25.6)	0 (0)	0 (0)	0 (0)	0 (0)
Madison	133	84 (63.2)	32 (24)	9 (6.8)	6 (4.5)	2 (1.5)	0 (0)
Meriden	97	76 (78.4)	19 (19.6)	1 (1)	0 (0)	0 (0)	1 (1)
Middlebury	5	5 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Milford	20	15 (.75)	4 (20)	1 (5)	0 (0)	0 (0)	0 (0)
Naugatuck	9	8 (88.9)	1 (11.1)	0 (0)	0 (0)	0 (0)	0 (0)
New Haven	21	16 (76.2)	5 (23.8)	0 (0)	0 (0)	0 (0)	0 (0)
North Branford	13	11 (84.6)	2 (15.4)	0 (0)	0 (0)	0 (0)	0 (0)
North Haven	5	3 (0)	2 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Northford	7	5 (71.4)	0 (0)	1 (14.2)	0 (0)	0 (0)	1 (14.2)
Orange	16	14 (87.5)	2 (12.5)	0 (0)	0 (0)	0 (0)	0 (0)
Oxford	3	2 (0)	1 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Prospect	3	3 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Seymour	9	5 (55.6)	3 (33.3)	1 (11.1)	0 (0)	0 (0)	0 (0)
Southbury	21	10 (47.6)	8 (38.1)	3 (14.3)	0 (0)	0 (0)	0 (0)
Wallingford	100	90 (90)	10 (10)	0 (0)	0 (0)	0 (0)	0 (0)
Waterbury	20	19 (95)	1 (5)	0 (0)	0 (0)	0 (0)	0 (0)
West Haven	14	14 (93.3)	1 (6.7)	0 (0)	0 (0)	0 (0)	0 (0)
Wolcott	7	3 (42.9)	4 (57.1)	0 (0)	0 (0)	0 (0)	0 (0)
Woodbridge	126	79 (62.7)	32 (25.4)	9 (7.1)	4 (3.2)	1 (.8)	0 (0)
Yalesville	3	3 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)

Federal EPA Radon Zone for NEW HAVEN County: 1

- Note: Zone 1 indoor average level > 4 pCi/L.
- : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
- : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for NEW HAVEN COUNTY, CT

Number of sites tested: 1286

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	1.070 pCi/L	89%	10%	1%
Basement	1.900 pCi/L	78%	20%	2%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Soils

Source: Department of Environmental Protection

Telephone: 860-871-4047

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Connecticut Leachate and Wastewater Discharge Sites

Source: Department of Environmental Protection

The Leachate and Waste Water Discharge Inventory Data Layer (LWDS) includes point locations digitized from Leachate and Wastewater Discharge Source maps compiled by the Connecticut DEP. These maps locate surface and groundwater discharges that (1) have received a waste water discharge permit from the state or (2) are historic and now defunct waste sites or (3) are locations of accidental spills, leaks, or discharges of a variety of liquid or solid wastes.

EPA-Approved Sole Source Aquifers in Connecticut

Source: EPA

Sole source aquifers are defined as an aquifer designated as the sole or principal source of drinking water for a given aquifer service area; that is, an aquifer which is needed to supply 50% or more of the drinking water for the area and for which there are no reasonable alternative sources should the aquifer become contaminated.

Community and Non-Community Water System Wells

Source: Department of Public Health, Water Supplies Section

Telephone: 860-509-7333

Active, emergency and inactive wells used for potable purposes that are owned and operated by active community and non-community water systems in Connecticut.

OTHER STATE DATABASE INFORMATION

RADON

State Database: CT Radon

Source: Department of Public Health

Telephone: 860-509-7367

Radon Statistical Summary

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration



EDR® Environmental
Data Resources Inc

The EDR-City Directory
Abstract

Insilco (Factory H)
77 Cooper Street
Meriden, CT 06450

Inquiry Number: 1619740.5

Monday, February 27, 2006

**The Standard in
Environmental Risk
Management Information**

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

City Directory Abstract

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. The city directory is a sophisticated tool for locating individuals and businesses. With each address, the directory lists the name of the corresponding occupant.

References

To meet the prior use requirements of ASTM E 1527-05, Section 8.3.2, the following *standard historical sources* may be used: aerial photographs, fire insurance maps, property tax files, land title records (although these cannot be the sole historical source consulted), topographic maps, city directories, building department records, or zoning/land use records. ASTM E 1527-05, Section 8.3 on Historical Use Information, identifies the prior use requirements for a Phase I environmental site assessment. ASTM E 1527-05 requires *"All obvious uses of the property shall be identified from the present, back to the property's first developed use, or back to 1940, whichever is earlier. This task requires reviewing only as many of the standard historical sources as are necessary and both reasonably ascertainable and likely to be useful."* (ASTM E 1527-05, Section 8.3.2) *Reasonably ascertainable means information that is publicly available, obtainable from a source within reasonable time and cost constraints, and practically reviewable.*

EPA's Standards and Practices for All Appropriate Inquiries (AAI), Section § 312.24, identifies the historical sources of information necessary to achieve the objectives and performance factors of § 312.20. According to AAI, *"historical documents and records may include, but are not limited to, aerial photographs, fire insurance maps, building department records, chain of title documents, and land use records."*

Data Gaps

In order to address data gaps, additional sources of information may be consulted. According to the AAI, Section § 312.20 (g), *"to the extent there are data gaps (as defined in § 312.10) in the information developed...that affect the ability of persons (including the environmental professional) conducting the all appropriate inquiries to identify conditions indicative of releases or threatened releases...such persons should identify such data gaps, identify the sources of information consulted to address such data gaps, and comment upon the significance of such data gaps."* According to ASTM E 1527-05, Section 8.3.2.3, *"historical research is complete when either: (1) the objectives in 8.3.1 through 8.3.2.2 are achieved; or (2) data failure is encountered. Data failure occurs when all of the standard historical sources that are reasonably ascertainable and likely to be useful have been reviewed and yet the objectives have not been met...If data failure is encountered, the report shall document the failure and, if any of the standard historical sources were excluded, give the reasons for their exclusion."*

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

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SUMMARY

- ***City Directories:***

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1948 through 1967. (These years are not necessarily inclusive.) A summary of the information obtained is provided in the text of this report.

Date EDR Searched Historical Sources: 2/27/2006

Target Property:

77 Cooper Street
Meriden, CT 06450

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Address Not Listed in Research Source	Price & Lee's City Directory
1952	Address Not Listed in Research Source	Price & Lee's City Directory
1956	Address Not Listed in Research Source	Price & Lee's City Directory
1961	Address Not Listed in Research Source	Price & Lee's City Directory
1967	Address Not Listed in Research Source	Price & Lee's City Directory

Adjoining Properties

SURROUNDING

Multiple Addresses
Meriden, CT 06450

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	<u>**COOPER ST**</u>	Price & Lee's City Directory
	Liddell's Market (31)	Price & Lee's City Directory
	Ed Kroeber Auto Repairs (55)	Price & Lee's City Directory
	Connecticut Light & Power Co (Gas Works) (56)	Price & Lee's City Directory
	Address not listed in research source (83)	Price & Lee's City Directory
	Residence (84)	Price & Lee's City Directory
	Address not listed in research source (85)	Price & Lee's City Directory
1952	<u>**COOPER ST**</u>	Price & Lee's City Directory
	Meriden Service Co (heating contrs) (31)	Price & Lee's City Directory
	Ed Kroeber Auto Repairs (55)	Price & Lee's City Directory
	Puffe's Garage (55)	Price & Lee's City Directory

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1952	Connecticut Light & Power Co (Storehouse) (56)	Price & Lee's City Directory
	Address not listed in research source (83)	Price & Lee's City Directory
	Residence (84)	Price & Lee's City Directory
	Address not listed in research source (85)	Price & Lee's City Directory
1956	<u>**COOPER ST**</u>	Price & Lee's City Directory
	Meriden Service Co (heating contrs) (31)	Price & Lee's City Directory
	Puffe & Deary Garage (55)	Price & Lee's City Directory
	Connecticut Light & Power Co (Storehouse) (56)	Price & Lee's City Directory
	Residence (83)	Price & Lee's City Directory
	Residence (84)	Price & Lee's City Directory
	Residence (85)	Price & Lee's City Directory
1961	<u>**COOPER ST**</u>	Price & Lee's City Directory
	Fiora Electrical Construction Inc (31)	Price & Lee's City Directory
	Puffe & Deary Garage (55)	Price & Lee's City Directory
	Connecticut Light & Power Co (Storehouse) (56)	Price & Lee's City Directory
	Residence (83)	Price & Lee's City Directory
	Residence (84)	Price & Lee's City Directory
	Residence (85)	Price & Lee's City Directory
1967	<u>**COOPER ST**</u>	Price & Lee's City Directory
	Fiora Electrical Construction Inc (31)	Price & Lee's City Directory
	Willie's Welding (55)	Price & Lee's City Directory
	Silver City Compressed Gases & Equip (55)	Price & Lee's City Directory

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1967	Connecticut Light & Power Co (56)	Price & Lee's City Directory
	Residence (83)	Price & Lee's City Directory
	Residence (84)	Price & Lee's City Directory
	Residence (85)	Price & Lee's City Directory

APPENDIX 5
SANBORN MAPS



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Sanborn® Map Report

Ship To: Lucas Hellerich
Metcalf & Eddy, Inc.
860 North Main Street
Wallingford, CT 06492

Order Date: 2/24/2006 **Completion Date:** 2/24/2006

Inquiry #: 1621011.1s

P.O. #: 03601262.2819.0206

Site Name: Adj - Insilco (Factory H)

Address: Cooper Street

City/State: Meriden, CT 06450

Cross Streets:

Customer Project: Factory H
1101585PVC 203-269-7310

Based on client-supplied information, fire insurance maps for the following years were identified

1884 - 2 Maps
1891 - 2 Maps
1896 - 1 Map
1901 - 1 Map
1950 - 1 Map
1953 - 1 Map
1971 - 1 Map

Limited Permission to Photocopy

Total Maps: 9

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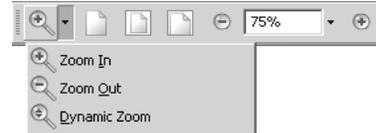
- Sanborn Maps document historical property use by displaying property information through words, abbreviations, and map symbols. The Sanborn Map Key provides information to help interpret the symbols and abbreviations used on Sanborn Maps. The Key is available from EDR's Web Site at: <http://www.edrnet.com/reports/samples/key.pdf>

Organization of Electronic Sanborn Image File

- Sanborn Map Report, listing years of coverage
- User's Guide
- Oldest Sanborn Map Image
- Most recent Sanborn Map Image

Navigating the Electronic Sanborn Image File

1. Open file on screen.
2. Identify TP (Target Property) on the most recent map.
3. Find TP on older printed images.
4. Using Acrobat® Reader®, zoom to 250% in order to view more clearly. (200-250% is the approximate equivalent scale of hardcopy Sanborn Maps.)
 - A. On the menu bar, click "View" and then "Zoom to..."
 - B. Or, use the magnifying tool and drag a box around the TP



Printing a Sanborn Map From the Electronic File

- EDR recommends printing images at 300 dpi (300 dpi prints faster than 600 dpi)
- To print only the TP area, cut and paste from Acrobat to your word processor application.

Acrobat Versions 6 and 7

1. Go to the menu bar
2. Click the "Select Tool"
3. Draw a box around the area selected
4. "Right click" on your mouse
5. Select "Copy Image to Clipboard"
6. Go to Word Processor such as Microsoft Word, paste and print.



Acrobat Version 5

1. Go to the menu bar
2. Click the "Graphics Select Tool"
3. Draw a box around the area selected
4. Go to "Menu"
5. Highlight "Edit"
6. Highlight "Copy"
7. Go to Word Processor such as Microsoft Word, paste and print.

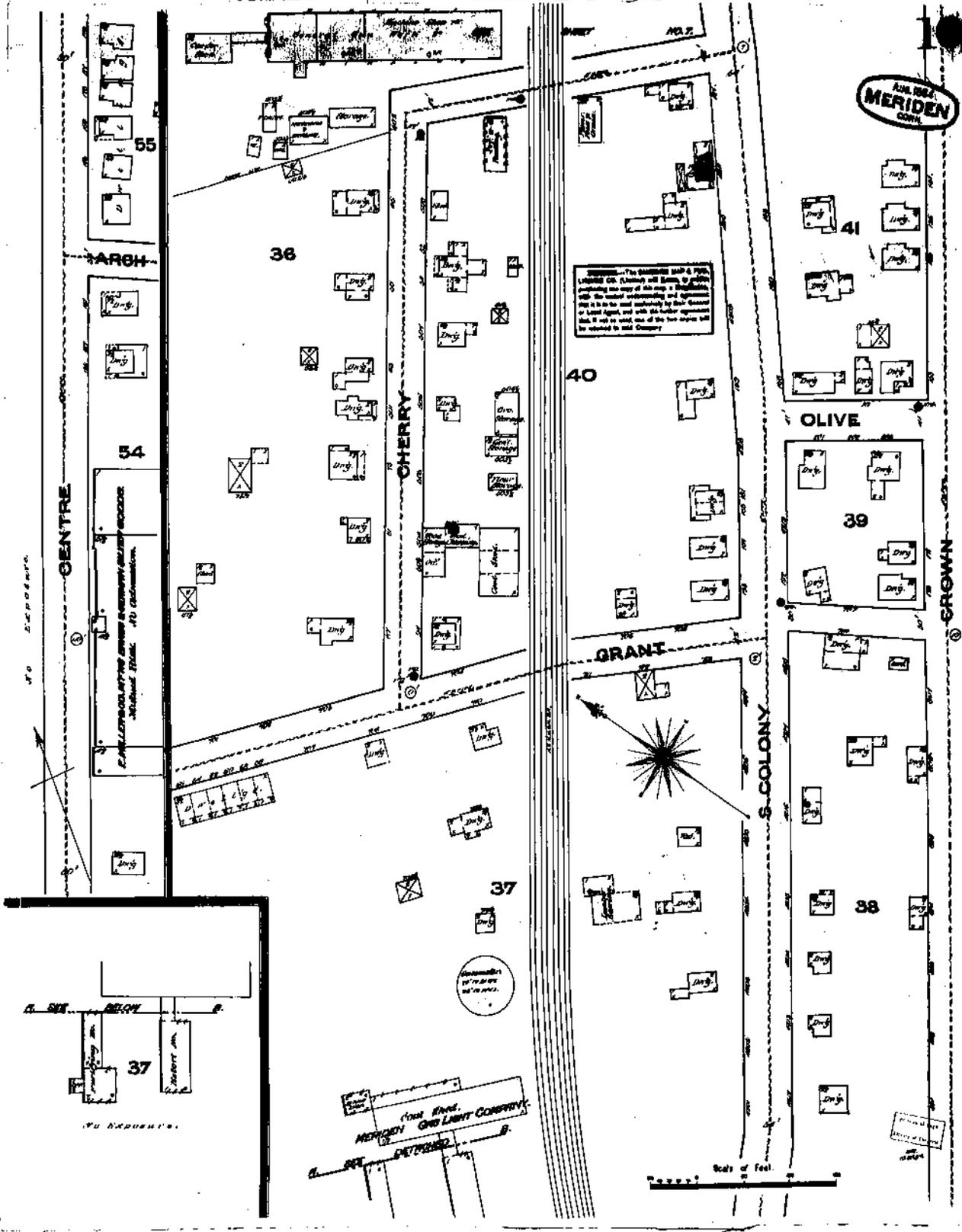


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- Images are grouped into one file, up to 2MB.
- In cases where in excess of 6-7 map years are available, the file size typically exceeds 2MB. In these cases, you will receive multiple files, labeled as "1 of 3", "2 of 3", etc. including all available map years.
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AM. 1884
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Scale of Feet



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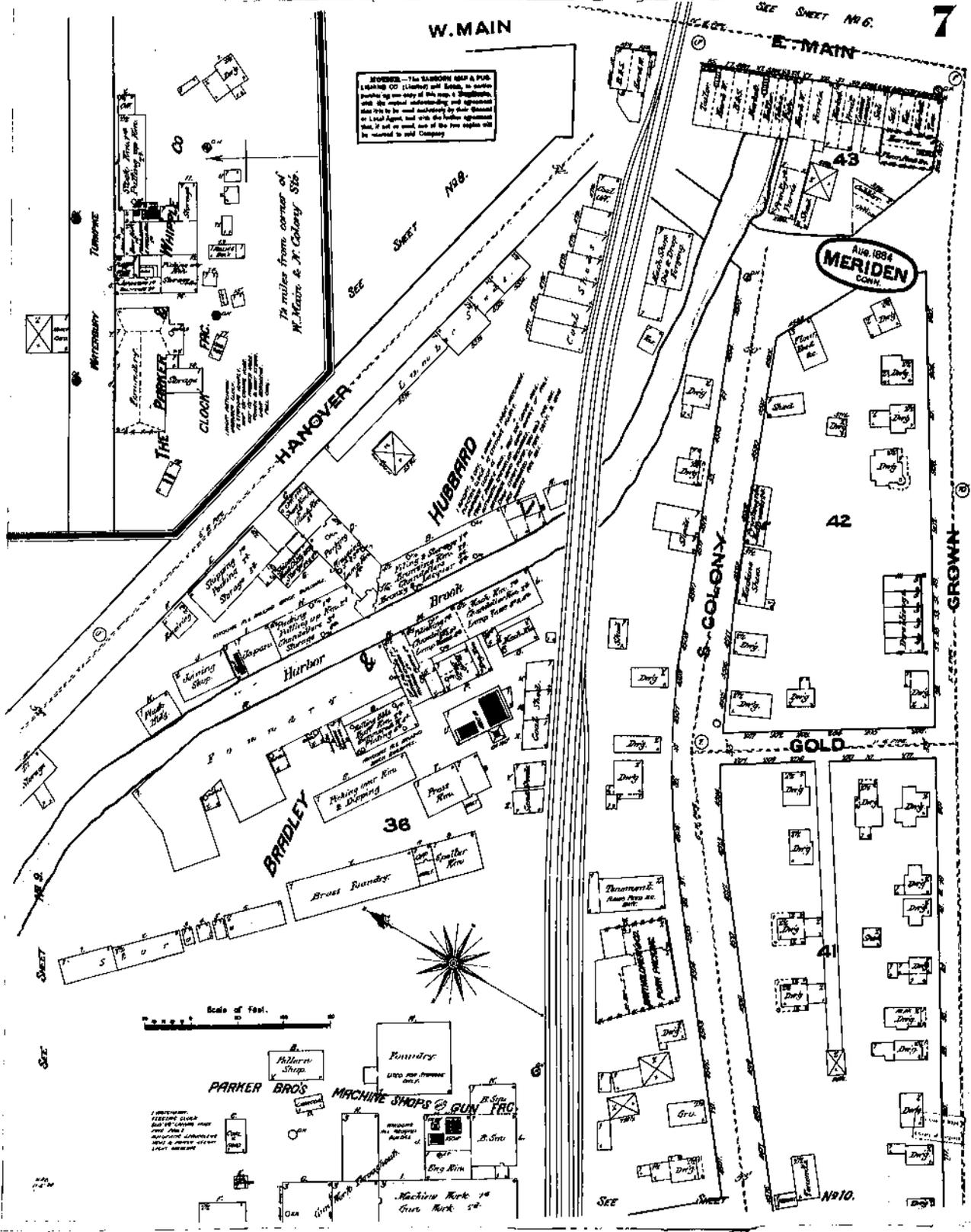
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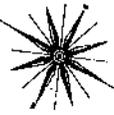
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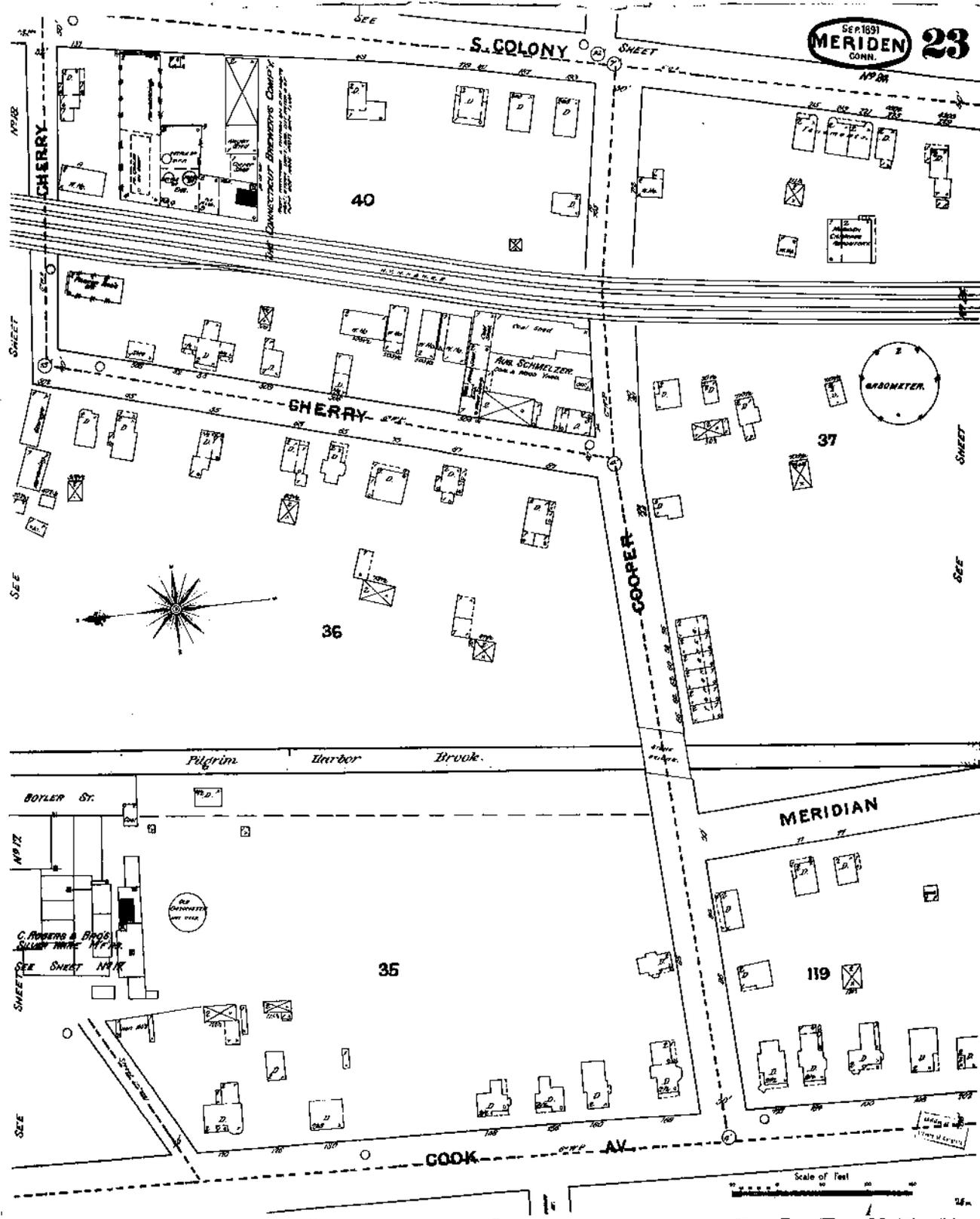
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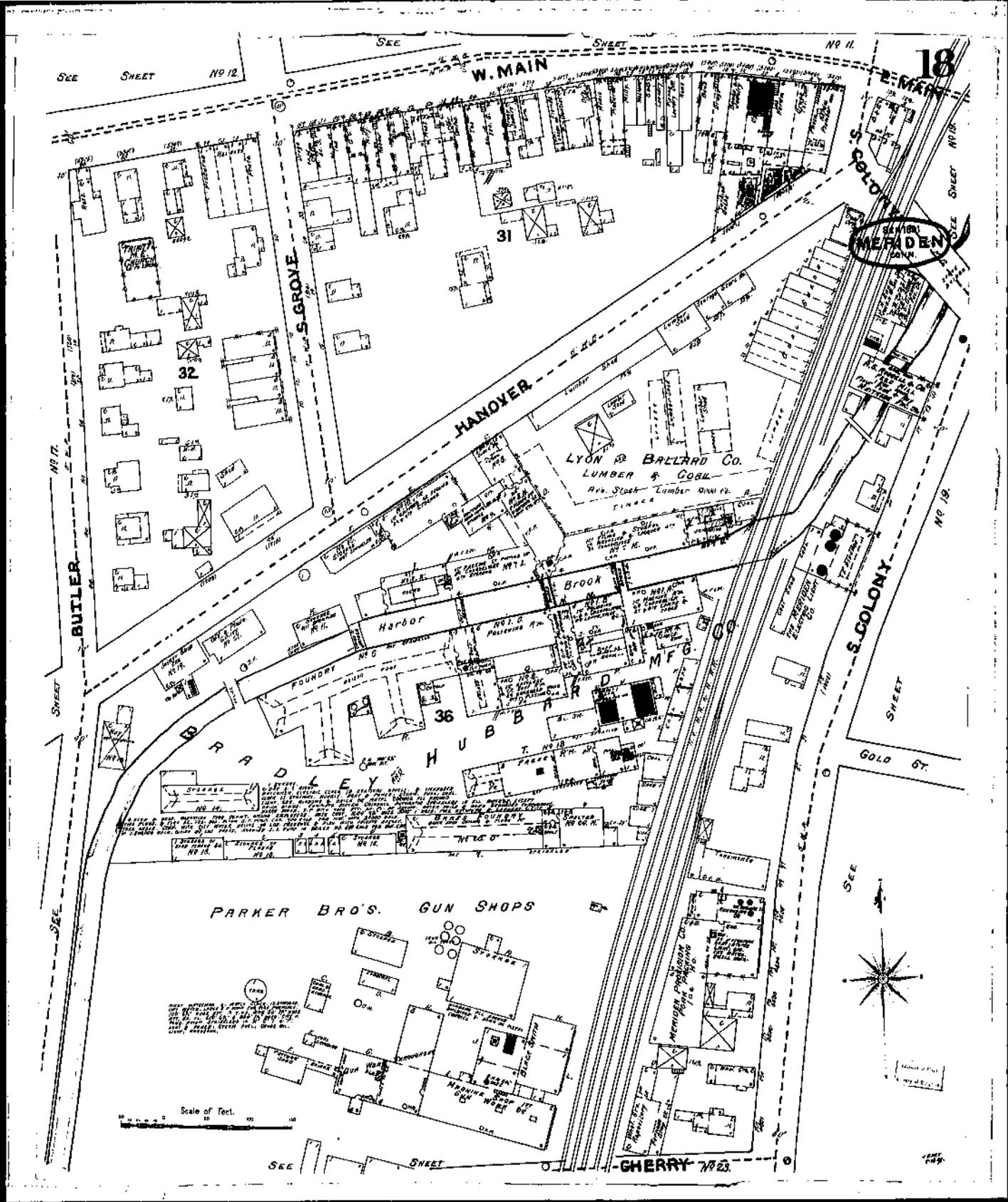
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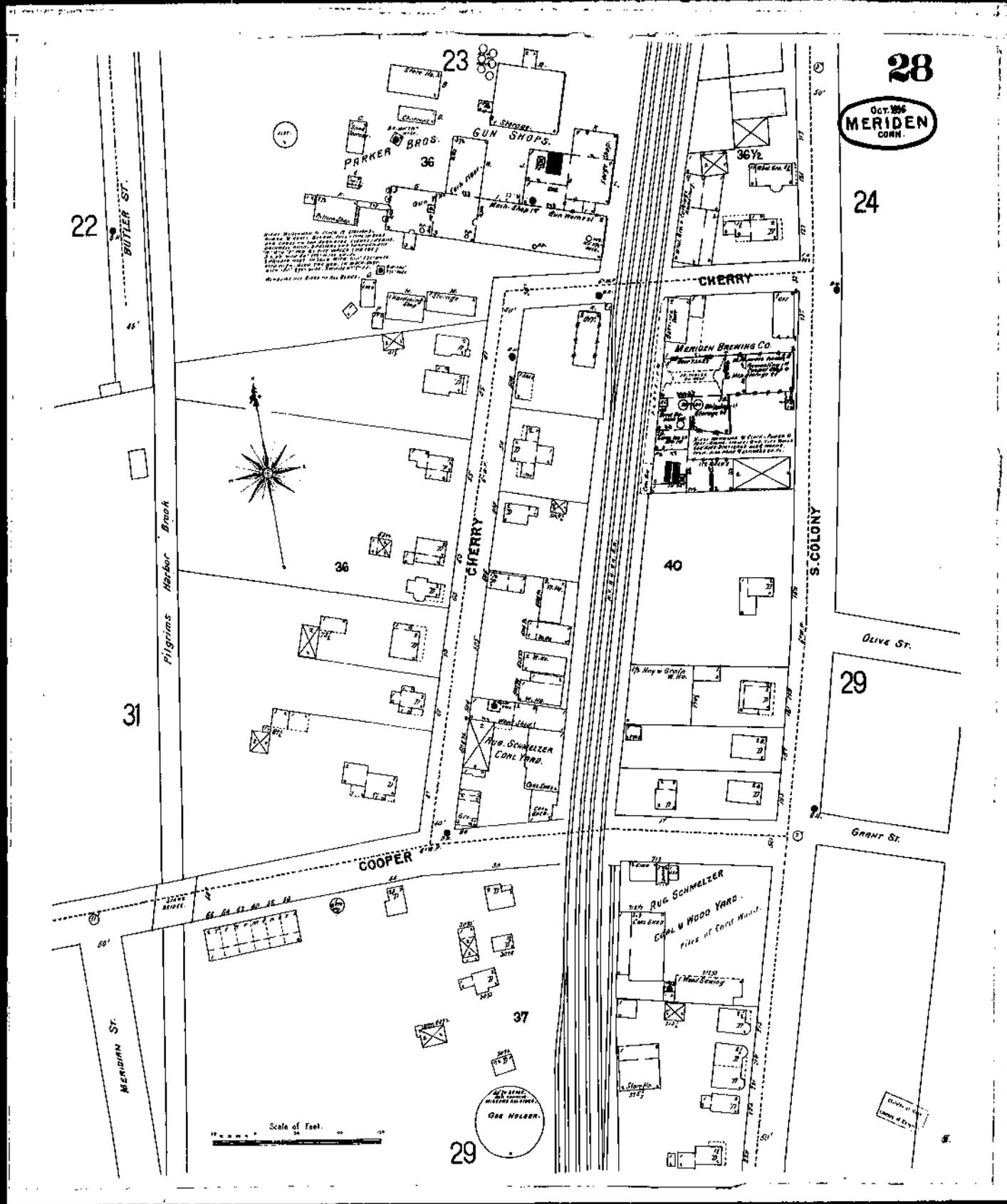


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Scale of Feet
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VOLUME I
PHASE III/III ENVIRONMENTAL
SITE ASSESSMENT REPORT

INTERNATIONAL SILVER COMPANY, FACTORY H

MERIDEN, CONNECTICUT

Prepared for:

City of Meriden

Economic Development

142 East Main Street

Meriden, Connecticut 06450

Prepared by:

Metcalf & Eddy, Inc.

860 North Main Street Extension

Wallingford, Connecticut 06492



MARCH 28, 2007

**PHASE II/III ENVIRONMENTAL SITE ASSESSMENT REPORT
INTERNATIONAL SILVER COMPANY, FACTORY H
MERIDEN, CONNECTICUT**

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PHASE II/III ENVIRONMENTAL SITE INVESTIGATION REPORT
INTERNATIONAL SILVER COMPANY, FACTORY H
MERIDEN, CONNECTICUT

EXECUTIVE SUMMARY

Metcalf & Eddy, Inc. conducted a Phase II/III Environmental Site Investigation (Phase II/III ESA) for the approximate 7.2 acre International Silver Company (Insilco) Factory H property in Meriden, Connecticut. The Insilco Factory H property consists of two parcels separated by Harbor Brook. The western parcel, 77 Cooper Street, is occupied by the dilapidated factory building, which covers approximately 90 percent of the parcel. The eastern parcel, 104 Butler Street, consists of an open area with one building, a water tower, and was formerly occupied by a foundry, machine shop and gun manufacturer. The work was conducted under an EPA Brownfields Assessment Grant awarded to the City.

The Phase II/III involved a variety of pre-field and field activities. Pre-field work included a review of available environmental reports conducted by other consultants, preparation of United States Environmental Protection Agency (US EPA) approved work plans/quality assurance project plans, development of a site-specific health & safety plan, coordination for property access, and procurement and coordination with subcontractors, sample location stakeout and utility clearance. Field activities included the completion of 28 soil borings, six of which were finished as groundwater monitoring wells, the collection of 52 soil boring samples, 29 surficial soil samples, (including QA/QC samples and two river bank (RB) samples collected from the upper 2-4 feet on the western bank of Harbor Brook), and six groundwater samples (including one QA/QC sample), and land surveying for base map preparation.

An additional eight soil borings were completed as monitoring wells near the eastern property boundary on the 104 Butler Street parcel to evaluate a VOC groundwater plume, adjacent to residential structures along Cherry Street. An additional eight

groundwater samples and two soil boring samples were collected. A total of 21 areas of concern (AOCs) were investigated during the Phase II/III ESA.

In addition to the work described above, an engineer's opinion of cost for asbestos removal and demolition of the factory building, dust collectors, transformer building and water tower was prepared.

Data from previous investigations was incorporated into the Phase II/III, and AOCs and areas of contamination mitigated by the Connecticut Department of Environmental Protection (CTDEP), referred to as "Stabilization Areas" (SAs), were combined where appropriate. Combining AOCs and SAs, a total of 56 AOCs/SAs have been identified for the site. Soil and groundwater results were compared to criteria provided in the Connecticut Remediation Standard Regulations (RSRs) so that remediation requirements could be evaluated. The following constituents of concern (COCs) were identified in exceedance of the applicable RSR criteria; metals, polycyclic aromatic hydrocarbons (PAHs), extractable total petroleum hydrocarbons (ETPH), and volatile organic compounds (VOCs). Based on the data collected during the Phase II/III ESA, supplemental investigations and/or remediation are recommended in a number of AOCs/SAs to comply with the RSRs.

Depending upon site redevelopment plans, alternative measures including engineered controls and/or an Environmental Land Use Restrictions (ELURs) may be incorporated into the remediation/redevelopment actions to help reduce remediation costs. Each AOC investigated in this Phase II/III ESA, including those AOCs previously investigated by others, are discussed in subsequent sections of this report and are also summarized in a Conceptual Site Model (CSM).

PHASE II/III ENVIRONMENTAL SITE ASSESSMENT REPORT
INTERNATIONAL SILVER COMPANY, FACTORY H
MERIDEN, CONNECTICUT

1.0 INTRODUCTION

Metcalfe & Eddy, Inc. (M&E) has completed a Phase II/III Environmental Site Assessment (Phase II/III ESA) for the two abutting parcels located at 77 Cooper Street and 104 Butler Street, and commonly referred to as the Former International Silver Company (Insilco), Factory H property, located at 77 Cooper Street in Meriden, Connecticut (herein referred to as “the site”). The site was investigated on behalf of the City of Meriden, Office of Economic Development (the “City”), to further assess areas of environmental concern (AOCs) identified during previous investigations, better delineate a VOC plume near the eastern property boundary, develop a comprehensive conceptual site model (CSM) and to evaluate remediation requirements based on the data collected. This report is subject to the Statement of Limitations provided as Appendix A.

The Phase II/III was conducted in accordance with the following documents:

- Scope of Work (SOW) for the Completion of Phase I/II/III Environmental Site Assessments for the Insilco, Factory H site, dated January 31, 2006; and its amendment dated September 13, 2006.
- Quality Assurance Program Plan (QAPP) and QAPP Addendum prepared for the Insilco, Factory H site (March 27, 2006 and November 6, 2006).

In addition to the information and data collected by M&E, information from previous environmental investigations, including M&E’s April 2006 Phase I ESA and CTDEP site stabilization activities have been incorporated into this report. See Section 2.5 of the report for a more detailed discussion regarding previous environmental studies.

1.1 SCOPE OF WORK AND OBJECTIVES

Based on the Phase I ESA findings and the Phase II/III scope of work, the Phase II/III investigation was performed to:

- Investigate the property for the presence of soil and groundwater contamination.
- Supplement existing data and further evaluate select AOCs to better assess the degree and extent of constituents of concern (COCs) in those locations.
- Better delineate a VOC groundwater plume at the eastern property boundary on the 104 Butler Street parcel.
- Collect soil and/or groundwater samples in Stabilization Areas where data is either absent or limited, in order to assess the likelihood that a release has occurred.
- Develop a CSM and assess remedial options that are consistent with future redevelopment requirements at the site.
- Provide recommendations for additional investigations and/or remediation (as needed) that are consistent with the RSRs and related site characterization guidelines.

The Phase II/III investigation did not include any sample collection or analysis of soil or groundwater beneath Building A, located on the 77 Cooper Street property.

An engineers opinion of cost for asbestos removal and building demolition of the factory (Building A), dust collectors, the transformer building (building B) and the water tower was prepared and was provided to the City of Meriden in a separate transmittal.

The specific tasks performed as part of the Phase II/III to meet the stated objectives are presented below:

Pre-Field Tasks

- Preparation of a QAPP, QAPP Addendum and a site specific Health and Safety Plan (HASP) to provide guidelines for the Phase II/III work.

- Coordination with the United States Environmental Protection Agency (USEPA), CTDEP, City of Meriden and subcontractors; and
- Sample location stakeout and utility clearance.

Field Work

- Conduct site surveying and mapping;
- Complete Geoprobe® soil borings and monitoring well installations to provide for soil and groundwater sample collection;
- Collect groundwater and surface water (Harbor Brook) measurements;
- Collect surficial and soil boring soil samples to provide chemical data; and
- Collect groundwater samples utilizing the low flow sampling method to also provide chemical data and evaluate potential migration pathways.

Reporting Tasks

- Summarize and evaluate soil and groundwater sampling;
- Compare and evaluate analytical results with the RSR criteria;
- Develop a conceptual site model (CSM) that presents a tabulated summary of the AOC data; and
- Provide conclusions and recommendations.

2.0 SITE SETTING AND BACKGROUND

The following subsections describe the site setting and background based on files reviewed at Meriden City Hall and the CT DEP office in Hartford, Connecticut.

2.1 Site Location and Description

The site consists of two parcels, and is located at 77 Cooper Street and 104 Butler Street in the City of Meriden, New Haven County, Connecticut (see Figure 1 in Appendix B - Figures). The approximate site boundary and AOCs are shown on Figure 2. Appendix C contains photographs of the site taken during M&E field activities. The site is approximately 7.2 acres in size and bisected by Harbor Brook. The site is zoned for manufacturing uses. Portions of the site are located within the

100-year flood plain. The site is currently unused and fenced. The current owner is listed as BL&A Associates LTD Partnership, St. James, New York.

Three buildings, constructed from approximately 1886 to 1947, are present on the site: Building A (Factory H) is a 100,000[±] ft² multi-story former manufacturing structure; Building B is a 900[±] ft² former transformer/electrical house; and Building C is a 7,200[±] ft² former power plant. There are several additional structures, including a footbridge and water tower on the site. A fourth building (Building D), formerly on the northeast portion of the site, was destroyed by fire and demolished circa 1980. Initially a gun manufacturing shop, Building D housed a machine shop, a foundry, and a pattern shop. Building A resides to the west of the brook on the 77 Copper Street parcel; Building B is constructed immediately above Harbor brook while Buildings C and Former Building D are located east of the brook, on the 104 Butler Street parcel.

Approximately 25 cyclone-like dust collectors are situated along the east side of Building A on the 77 Cooper Street parcel. The dust collectors collected metal dust from the former silverware manufacturing operations. During 2004-2005, Advanced Environmental Interface, Inc. (AEI) and the CTDEP supervised amongst other activities, the removal and disposal of metal-laden dust piles and soil beneath and adjacent to the dust collectors as well as metal laden dust residue from the collectors themselves.

2.2 Surrounding Areas

The site is located in an area of mixed commercial, industrial, and residential land use. Land uses adjacent to the site include commercial, light industrial and residential. The site is bordered by railroad tracks and Cherry Street residences to the east; commercial properties, Harbor Towers and Hanover Towers to the north; Louie's Auto Garage and Cooper Street to the south/southeast; and the former Veteran's Memorial Medical Center and Cook Avenue residences to the west. A

Northeast Utilities natural gas facility and residential properties are located to the south of the site, across Cooper Street.

2.3 Site History and Use

The site and site history was described in M&E's Phase I ESA, the Brownfields Targeted Site Assessment Final Report (Weston, September 1999) and Supplemental Phase II Environmental Site Evaluation (GZA, June 2000).

The site was used for a variety of industrial and manufacturing purposes from the late 1800s until approximately 1974, at which time the property was vacated. Industrial processes historically conducted on the site included silverware manufacturing (e.g. International Silver Company) and gun manufacturing (e.g. Parker Brothers). Processes included casting, plating, machining, trimming, polishing, buffing, forging, storage, and shipping. The property has remained unused since the late 1970s, and is currently abandoned.

Factory H is known to have used alkali soaps, sulfuric acid, oils, nickel, silver, chromium, copper, zinc, acid and alkali solutions, and halogenated and non-halogenated solvents. Other constituents of concern on the site include asbestos, other metals (including lead), cyanide, PCBs, total petroleum hydrocarbons, and volatile and semi-volatile organic compounds.

2.4 Site Utilities

Municipal water and sewer service connections exist at the site, but are currently inactive. Other site utilities include underground natural gas, electric and telephone. No records of on-site septic, except for a reported dry well on the eastern portion of the site (Weston, 1999), were found.

The underground natural gas line(s) are considered "active" and are located in the vicinity of the brook.

2.5 Previous Environmental Studies

A number of studies have been completed on the site. Information from these reports has been included in the Phase II/III report. A list of the known studies is provided below.

- HRP Associates, Inc., *Site Assessment Report*, June 21, 1988.
- Advanced Environmental Interface (AEI). *Assessment of Site Environmental Conditions Report*, January 24, 1990.
- ICF Kaiser Engineers, Inc., *Underground Storage Tank Sampling Report*, December 17, 1990.
- Roy F. Weston, Inc., *Removal Program Preliminary Assessment/Site Investigation Report*, December 22, 1997.
- Roy F. Weston, Inc., International Silver Company, Factory H, *Brownfields Targeted Site Assessment Final Report*, September 8, 1999.
- GZA GeoEnvironmental, Inc., *Supplemental Phase II, Environmental Site Evaluation, International Silver Company, Factory H Site, Meriden, Connecticut*, June 2000.
- Subsurface Information Surveys. *Ground Penetrating Radar Survey Results For The Investigation For The Location Of: Underground Storage Tanks & Utilities At: 77 Cooper St., Meriden, CT*, July 2005.
- Advanced Environmental Interface (AEI). *Removal Stabilization Activities Summary Report, Former International Silver Company/Insilco Factory H Site, Meriden, CT*, February 2006.
- Metcalf & Eddy, Inc., (M&E). *Phase I Environmental Site Assessment Report, Insilco Factory H Site, Cooper Street, Meriden, Connecticut*, April 2006.

During completion of the investigations listed above, soil, sediment, soil gas, and groundwater samples were collected and analyzed for site-related COCs. Metals, cyanide, volatile organic compounds (VOCs), petroleum hydrocarbons (TPH), polycyclic aromatic hydrocarbons (PAHs), and asbestos were detected on-site and are associated with a number of AOCs identified for the site.

Potential and known areas of concern (AOCs) were identified in the following two reports:

- Roy F. Weston, Inc., International Silver co., Factory H, *Brownfields Targeted Site Assessment Final Report*, September 8, 1999.
- GZA GeoEnvironmental, Inc., *Supplemental Phase II, Environmental Site Evaluation, International Silver Company, Factory H Site, Meriden, Connecticut*, June 2000.

Weston identified a total of 29 (AOCs). Four additional AOCs were identified by M&E, for a total of 33 AOCs. All 33 AOCs, designated AOC-1 to AOC-33, are listed in Table 1 in Appendix D. Each area is varied with respect to the number of soil and groundwater samples collected and the laboratory analyses performed. With the exception of AOC-25 (Contaminated Groundwater) and AOC- 31 (Site-Wide Surficial Soils), all AOCs are shown on Figure 2.

Under the guidance of the CTDEP in 2004-2005, and on behalf of MidState Medical Center (MMC), removal/stabilization activities were performed by Advanced Environmental Interface, Inc. (AEI) to remove certain hazardous materials and stabilize certain hazardous conditions at the former International Silver Company/Insilco Factory H site. Data from this and other investigations is provided in Appendix E.

The Removal/Stabilization Activities Summary Report (AEI, February 2006) describes these activities. A total of 23 removal/stabilization areas were identified as SA-A to SA-W and are also listed in Table 1 (Appendix D). The types and quantities of materials removed/stabilized are discussed in the Roy F. Weston Inc. and GZA GeoEnvironmental, Inc. reports listed above.

These removal/stabilization areas have been assigned labels of “Stabilization Area” A through W (SA-A to SA-W). As shown on Table 1, a number of the stabilization

areas overlap with specific AOCs. It appears that confirmatory soil sampling was generally not conducted during the stabilization/removal process.

Combining AOCs and SAs (where appropriate), a total of 56 AOCs/SAs have been identified for the site (see Figure 2).

2.6 Geology and Hydrogeology

According to the Bedrock Geological Map of the Meriden Quadrangle of Connecticut (USGS, 1985), the bedrock underlying the site is mapped as the New Haven Arkose. Arkose is generally defined as sandstone, consisting of the minerals feldspar and quartz.

The Surficial Materials Map of Connecticut identifies the unconsolidated material overlying bedrock as a mixture of gravel and sand (CTDEP, 1992).

According to the Water Classification Map of Connecticut (CTDEP, 1993), groundwater at the site is classified as GB groundwater. Class GB groundwater is presumed to have been degraded by past urban or industrial activities and may not be suitable for human consumption without treatment (CTDEP, April 12, 1996). Flow direction was estimated by Weston (1999). On the eastern portion of the site, groundwater is estimated to flow in a southwesterly direction towards Harbor Brook. Conversely, on the western portion of the site, groundwater is estimated to flow in a southeasterly direction towards Harbor Brook. There are no known potable water supply wells within 500 feet of the site.

The site is bisected by Harbor Brook, which discharges to the Quinnipiac River. Harbor Brook has a B surface water classification (CTDEP, 1993). A B surface water classification indicates that the water may be a suitable fish and wildlife habitat (CTDEP, December 17, 2002). CTDEP's goal is to maintain a B water quality classification.

3.0 RSR CRITERIA

The Regulations of Connecticut State Agencies (RCSA) Sections 22a-133k-1 through 22a-133k-3, inclusive, comprise the RSRs. These regulations are applicable to various sites in Connecticut including those undergoing investigation and remediation under an administrative order from CTDEP or under the voluntary remediation program. The subject sites are proposed to be remediated under one of Connecticut's voluntary remediation programs as described in RSCA Sections 22a-133x and 133y.

Four existing and former buildings, identified as Buildings A through D are located on-site. Portions of the site are located within the 100 year flood plain, which is zoned for manufacturing uses, has remained vacant since the 1970s, and is currently abandoned. The criteria are discussed in the following subsections.

3.1 Soil Remediation Criteria

The RSRs contain numerical, default criteria for contaminated soil associated with a release area that are based on both the potential for direct human health impacts from exposure to contaminants (direct exposure criteria) and on the potential for the soils to have an adverse impact on groundwater (pollutant mobility criteria). Two sets of direct exposure criteria are specified: one derived for residential land use, and the other derived for industrial and commercial land use. Similarly, two sets of pollutant mobility criteria are specified: one for areas with a groundwater classification of GA/GAA, and one for a groundwater classification of GB. Class GA/GAA groundwater is groundwater that is an existing or potential source of potable water and is presumed to be suitable for human consumption without the need for treatment. Class GB groundwater is presumed to have been degraded by past urban or industrial activities and may not be suitable for human consumption without treatment. Additional information on these criteria is presented in the following sections.

3.1.1 Direct Exposure Criteria

The RSR definition of “residential activity” includes activities related to a residence or dwelling, as well as activities related to schools, hospitals, daycare centers, playgrounds, or outdoor recreation areas. The residential direct exposure criteria (“RDEC”) apply in areas with residential activities, but are also the default criteria used to evaluate potential human exposure in all areas. Industrial/commercial direct exposure criteria (“I/C DEC”) may be applied to areas that do not fit the definition of residential activity, but an Environmental Land Use Restriction (“ELUR”) must be recorded to prevent residential uses of the property. These criteria are for comparison to soils data analyzed on a mass of contaminant to mass of soil basis (typically milligram per kilogram, or mg/kg).

3.1.2 Pollutant Mobility Criteria

The RSRs include a set of numerical pollutant mobility criteria for soils contaminated with organic contaminants in GA and GB areas on a mass/mass basis. Alternatively, the results of TCLP (toxicity characteristic leachate procedure) or SPLP (synthetic precipitation leachate procedure) analyses for some organic contaminants can be compared to the groundwater protection criteria (GWPC) times 10. This allows for the comparison of the detected mass of contaminant per liter of leachate (mg/L). The RSR criteria for inorganic contaminants are based on TCLP or SPLP analysis of the soil, but the PMC x 20 screening method may be used to evaluate the potential for PMC exceedances. The PMC X 20 screening method allows for a rough comparison, is not a RSR criterion, and is used as a tool to evaluate potential PMC issues.

The CTDEP may also approve alternative pollutant mobility criteria, however, a site-specific demonstration may be required that shows that after dilution of soil water with on-site groundwater, the groundwater protection criteria will not be exceeded.

3.2 Groundwater Remediation Criteria

The RSRs also contain numerical, default criteria for contaminated groundwater associated with a release area. Criteria are established to protect groundwater and surface water resources, and to protect human health from contaminants that may volatilize from contaminated groundwater. Additional information on these criteria is presented in the following sections.

3.2.1 Groundwater Protection Criteria

The RSRs specify only one set of drinking water-based groundwater protection criteria for both GA and GB areas. However, the remediation goals differ by groundwater classification. For GA areas, the goal is to maintain background concentrations or, at a minimum, the default groundwater protection criteria (GWPC). In GB areas, the goal is to maintain the quality of the groundwater to support existing uses. Site groundwater is classified GB and therefore, the GWPC does not apply.

3.2.2 Surface Water Protection Criteria

The surface water protection criteria (SWPC) is used to evaluate potential impacts to surface waters that receive discharge of contaminated groundwater. If the discharge of such groundwater interferes with the attainment of surface water quality standards, then groundwater remediation may be required. In addition, if the groundwater discharges to a wetland or to an intermittent stream, aquatic life criteria (ALC) and human health criteria (HHC) established in Appendix D of the Water Quality Standards (CTDEP, December 17, 2002) are used to evaluate the need for remediation. According to the RSRs, alternative surface water protection criteria (ASWPC) may be calculated and submitted to CTDEP for approval.

3.2.3 Volatilization Criteria

The RSRs include volatilization criteria (VC) for contaminated groundwater within 30 feet of the ground surface or a building (proposed March 2003). The intent of these criteria is to prevent human exposure to volatile organic vapors emanating

from impacted groundwater. As with the soil criteria, volatilization criteria for both residential (R VC) and industrial/commercial (I/C VC) uses are specified, and alternative criteria may be developed with the approval of the CTDEP. Groundwater on the site is typically found within 10 feet of the ground surface.

3.3 Additional RSR Information

In addition to the criteria discussed above, the RSRs include additional information on statistical evaluation of sample data, such as the use of 95% upper confidence level data to compare to the RSR criteria; rendering soil that exceeds DEC inaccessible, which requires the institution of environmental land use restrictions; reuse of polluted soil; engineered controls of contaminated media; remediation requirements for non-aqueous phase liquids (NAPL); development of criteria for substances that are not specified in the RSRs; development of alternative criteria; technical impracticability; and other issues. In addition, there are soil vapor criteria and indoor air target concentrations that may be used to evaluate volatilization issues if the VC are exceeded.

3.4 RSR Criteria Applicable To The Site

Based on the GB groundwater designation in the area and the potential land uses of the site following redevelopment, the RSR criteria that apply to soil data obtained from this investigation are the GB PMC and RDEC. Since the RDEC are the RSR default criteria, and the RSRs permit Environmental Land Use Restrictions (ELUR) that constrict future use of a site to non-residential uses, comparison to the I/C DEC is also applicable. Groundwater data are compared to the SWPC, R VC, and I/C VC.

In addition to the default RSR criteria utilized to evaluate contaminant concentrations in soil, the GWPC X10 was used to compare SPLP results of organic compounds.

Total metal concentrations were screened for potential GB PMC exceedances using the mass based PMC X 20 screening method. Typically, total metal concentrations

which exceed the PMC X 20 screening method are capable of yielding leachable amounts which exceed the PMC – TCLP/SPLP methods. The CTDEP allows this screening method to evaluate potential PMC exceedances without having to perform leachable testing.

3.5 Disposal Characterization Criteria

In addition to the RSR criteria discussed above, samples of soil from contaminated areas on site were analyzed for disposal characterization parameters to evaluate potential off-site waste disposal options. The results of these samples were compared to Resource Conservation and Recovery Act (RCRA) hazardous waste characterization criteria.

4.0 PHASE II/III INVESTIGATION ACTIVITIES

4.1 Pre-Field Work

4.1.1 QAPP Preparation and Coordination with EPA

The Phase II/III ESA work performed at the site was completed in accordance with M&E's March 15, 2006 QAPP and M&E's November 6, 2006 QAPP Addendum, which were reviewed and approved by EPA Region I. The QAPP's included a sample design, which utilized the Conceptual Site Modeling (CSM) process described in the text entitled "Conceptual Site Modeling: A Process for Effective Site Characterization, Environmental Professionals' Organization of Connecticut, June 8 & 12, 2001, Gray Conference Center, University of Hartford".

4.1.2 Health and Safety Plan

Prior to initiating intrusive field activities at the site, a site-specific Health and Safety Plan (HASP) was developed. The HASP was designed to meet the requirements of 29 CFR 1910.120. The HASP assumed that modified Level D personal protection was sufficient for all field work. The air in the breathing zone was monitored for organic vapors during intrusive activities using appropriate instrumentation.

4.1.3 Property Access Coordination

M&E coordinated with the City to obtain access to the site.

4.1.4 Subcontractor Procurement and Coordination

Prior to the commencement of field activities, M&E contracted with the following companies.

- Nafis & Young Engineering, of Northford, CT – surveying
- Contest Analytical Laboratory of East Longmeadow, MA – analytical services
- Glacier Drilling, LLC, of Bolton, CT and Aquifer Drilling & Testing, Inc. of Bloomfield, CT – drilling services

4.2 Field Work

Field work included: land surveying for base map preparation, sample location stakeout and utility clearance, advancing geoprobe soil borings, collection of geoprobe soil samples, surficial soil samples, installing groundwater monitoring wells and the collection of groundwater samples via low flow sampling procedures. All soil and groundwater samples were collected in accordance with the QAPP's and sample design.

4.2.1 Site Survey, Map and Figure Preparation

M&E contracted Nafis & Young Engineers to survey pertinent site features such as building footprints, utility features, soil borings, groundwater monitoring wells and sample locations. Utilizing an aerial photograph of the site and the survey data, a base map was constructed. Utilizing the base map, M&E generated the following figures. (All figures are presented in Appendix B)

- Figure 2 – AOCs and CTDEP Removal/Stabilization Areas
- Figure 3 – Sample Location Plan
- Figure 4 – Soil Samples (0-2' bg) Exceeding RSR Criteria
- Figure 5 – Soil Samples (2-4' bg) Exceeding RSR Criteria
- Figure 6 – Soil Samples (>4' bg) Exceeding RSR Criteria
- Figure 7 – Groundwater Exceedances and Contour Map

4.2.2 Sample Location Marking/Utility Clearance

M&E performed a pre-mobilization stakeout of sampling locations based upon known or suspected locations of AOC features and buried utilities. Utility clearance for public utilities was accomplished by contacting the Call-Before-You-Dig public underground utility mark-out service. On-site private utilities were avoided by consulting historical maps and engineering drawings, and locating visible gas and water metering areas and associated aboveground appurtenances on the properties.

4.2.3 Geoprobe Soil Borings and Monitoring Well Installation

Glacier Drilling, LLC, provided a truck-mounted Geoprobe® drilling rig to advance a total of 28 soil borings from March 29 – 31, 2006. Of those 28 soil borings, six were completed as monitoring wells. Soil samples were collected from each boring using the geoprobe sampling method. On November 22, 2006, Aquifer Drilling & Testing, Inc. (ADT) provided two Geoprobe drilling rigs to install eight monitoring wells to better delineate the VOC plume near the eastern property boundary on the 104 Butler Street parcel.

The geoprobe equipment utilizes direct-push hydraulics to advance drilling tools for collection of soil and/or groundwater samples from selected intervals. Borings were advanced by pushing steel drilling rods with a 4-foot long Macrocore® sampler equipped with a disposable acetate liner for sample extrusion. Each 4-foot drilling interval was drilled and sampled in this manner until the targeted depth was reached. Once each acetate core liner was extruded from the Macrocore® sampler, M&E personnel examined and classified the recovered soil. Samples from selected intervals were collected, preserved, and stored for later analysis at an off-site laboratory.

Groundwater monitoring wells were completed at selected boring locations by inserting 1-inch diameter PVC well screen and solid riser into the open borehole, and installing filter sand to the ground surface. The wells were completed with flush-mounted curb boxes set in concrete and equipped with locking caps. Each well was developed using pumping/surging techniques until the well development purge water was visually clear of sediments. Refer to the soil boring and monitoring well construction logs included in Appendix F.

4.2.4 Soil Sampling

Soil samples were collected from each soil boring (SB) for visual observation of potential staining/discoloration, screening for VOCs using a calibrated photoionization detector (PID), and where required, preservation and shipment

to the analytical laboratory. In addition to soil samples collected using the geoprobe, a number of surficial soil samples were collected using hand tools, including a stainless steel spade/shovel and dedicated sampling spatulas. With the exception of one surficial soil sample collected on May 10, 2006, and two soil boring samples collected on November 22, 2006 during the VOC Groundwater Plume Study, all soil samples were collected on March 19-21, 2006. A total of 83 soil samples were collected for laboratory analysis; 29 are considered surficial soil (SS) samples, two of which were collected along the river bank (RB) on the west side of Harbor Brook. Of the 83 soil samples, seven were submitted for QA/QC (MS/MSD/DUP) analysis. Sample nomenclature, preservation, chain-of-custody, and other QA/QC procedures followed during collection of samples for laboratory analysis and in accordance with QAPP requirements are described in Section 4.3 of this report. Table 2 presents a soil and groundwater analytical summary.

Soil samples were collected in AOCs/SAs as presented in Figure 3.

Soil samples were collected from each boring and screened with a PID while completing the VOC Plume Study. Based on field screening, two soil samples were submitted to the laboratory for VOC analysis.

4.2.5 Groundwater Measurements and Sampling

On April 14th and 17th, 2006, approximately fourteen days following installation of the M&E 2006 monitoring wells, M&E collected groundwater samples from 13 site wells. Refer to Figure 3 (Sample Location Plan) for sample locations and Table 3 for groundwater measurements and elevations.

Groundwater samples were also collected from the eight additional VOC Plume Study wells (identified as MW-100 through MW-107) on November 29, 2006, seven days after installation and development.

Groundwater samples from a total of 21 site wells were collected in accordance with USEPA low flow sampling methods as described in *Low Stress (low flow) Purging and Sampling Procedures for the Collection of Groundwater Samples from Monitoring Wells* (USEPA, July 30 1996). Prior to sampling, depth to water measurements were taken using an electronic water level measuring tape. Water level measurements were utilized to evaluate groundwater flow direction and gradient. Wells were purged and representative samples collected at a low flow rate using a variable speed peristaltic pump. Care was taken to minimize turbulence in the water during low flow sampling. Groundwater quality instrumentation was calibrated according to the manufacturer's guidelines prior to use. The following groundwater quality parameters were measured by M&E in the field: pH, specific conductance (mS/cm), temperature (°C), oxidation-reduction potential (mV), turbidity (NTU), and dissolved oxygen (mg/L). Wells were purged at a low flow rate until these parameters stabilized, according to the USEPA method. In addition, an oil/water interface probe was used to determine if free-product [non-aqueous phase liquid (NAPL)] was present on the groundwater surface and its thickness, if present. Field parameters and observations were recorded on groundwater sampling forms, included in Appendix F. A number of QA/QC samples, including trip blank (TB) matrix spike, matrix spike duplicate (MS/MSD) and field duplicate (DUP) samples were for analysis.

Approximately 0.2 feet of light non-aqueous phase liquids (LNAPL) was noted in upgradient well MW-1, located near the northeastern corner of the site. No other observations or indications of NAPL were noted in the remaining wells sampled.

In addition to measuring groundwater elevations, two locations were utilized to measure the surface water elevation of Harbor Brook.

4.2.6 Soil Sample Analysis

The analytical parameters for the samples collected during the Phase II/III investigation were selected based upon evaluation of previous environmental investigations at the sites, former site operations, and the presence of identified constituents of concern (COCs). Soil samples were analyzed for one or more of the following:

- VOCs – EPA Method 8260-5035
- PAHs – EPA Method 8270
- Extractable Total Petroleum Hydrocarbons (ETPH) – Connecticut Method
- Asbestos
- Total CT DEP 15 Metals – EPA Method 6000/7000
- Total Cyanide – EPA Method 9010
- Synthetic Precipitation Leaching Procedure (SPLP) – EPA Method 1312, VOCs, PAHs, and metals

4.2.7 Groundwater Sample Analysis

Groundwater samples collected from each of the wells during the Phase II/III investigation were analyzed for one or more of the following:

- VOCs – EPA Method 8260
- Extractable Total Petroleum Hydrocarbons (ETPH) – Connecticut Method
- Total 8 RCRA Metals, plus antimony, beryllium, copper, nickel, thallium, vanadium and zinc – EPA Method 6010
- PAHs – EPA Method 8270
- Total Cyanide – EPA Method 9010

The eight VOC Plume Study wells were analyzed for VOCs (EPA Method 8260) only.

A sample of the LNAPL collected from MW-1 was analyzed to identify product type (TPH by Gas Chromatography Fingerprinting [EPA Method 8100

Modified]). The oil was extremely weathered and the analysis could not distinguish the product type.

Refer to Table 2 for additional information regarding laboratory analyses performed on soil and groundwater samples.

4.2.8 Waste Management

Monitoring well development and low flow purge water and decontamination liquids were containerized in a 55-gallon drum for subsequent characterization and potential off-site disposal. Soil cuttings were placed back into the soil borings as backfill.

4.3 QAPP REQUIREMENTS

4.3.1 Sample Handling and Custody Requirements

Sample collection, labeling, handling, and chain-of-custody (COC) requirements were specified in the QAPP. Typical requirements for analytical parameters to be utilized on the project with respect to the type of container, preservation method, and maximum holding time between collection and analysis were specified by the analytical method and the analytical laboratory, and were described in the QAPP and Sample Design.

4.3.2 QA/QC Samples

QA/QC samples were collected as part of the investigation to allow for the evaluation of the precision, accuracy, and usability of data collected during the field effort. Field QA/QC samples consisted of trip blanks and field duplicates. Internal laboratory QA/QC samples included method blanks, surrogate spikes, laboratory duplicates, and laboratory control spikes, and matrix spike/matrix spike duplicates.

4.3.3 Data Validation and Usability/Analytical Precision and Accuracy

A data validation review was completed in accordance with the *USEPA Region 1 Laboratory Data Validation Functional Guidelines for Evaluating Inorganic*

Analyses (ed. June 1988) and the *EPA Region 1 Laboratory Data Validation Functional Guidelines for Evaluating Organic Analyses (ed. December 1996)*. The review surpasses a Tier I data validation and includes the review of all QA/QC parameters encompassed by a Tier II validation effort except for an instrument calibration review. Data was evaluated for the following parameters:

- Sample holding times
- Field, trip, and laboratory blanks
- Field and laboratory duplicate results
- Matrix spike/matrix spike duplicate results
- Laboratory control spike recoveries (metals only)
- Surrogate spike recoveries (organics only)

5.0 SUBSURFACE MATERIALS

The majority of the material noted in the borings consists of sand, silt and gravel. In a number of locations, fill material (with urban characteristics) as well as petroleum contamination were noted. This section focuses on those locations where fill material and/or petroleum contamination were noted. Soil boring logs are presented in Appendix F.

On the east side of Building C in AOC-1, the material noted appears to be consistent with urban fill, including brick and ash to 7.5 feet below grade (fbg). A black oily sandy material was noted in AOC-1-SB-2 at an approximate depth range of 8-10 fbg. Groundwater was observed between at 7-10.5 fbg.

On the west bank of Harbor Brook in AOC-2 (SA-U), a former UST area, black silt with a strong petroleum odor was noted at approximately 5-7 fbg in AOC-2-SB-1.

On the west bank of Harbor Brook in AOC-5 (SA-W), urban fill consisting of slag and coal, was noted in AOC-5-SB-1 at approximately 3-4 fbg. Groundwater was noted at 9 fbg. In AOC-5-SB-2 (SA-V), also on the west bank of Harbor Brook, urban fill consisting

of brick, was noted to approximately 4 fbg. Two river bank samples (RB-01 and RB-02) collected in AOC-5 did not identify urban fill or indications of petroleum related contamination.

No urban fill or indications of petroleum related contamination were noted in the borings completed in AOC-11 and AOC-13.

No urban fill or indications of petroleum related contamination were noted in the borings completed in AOC-15. Asphalt was noted at approximately 2-4 fbg in AOC-15 MW-3 and AOC-15-SB-2.

Both soil borings AOC-17-SB-1 and AOC-17-SB-2, completed in AOC-17, detected petroleum related odors and oily sheens in the saturated zone. However, no petroleum related contamination was identified in the material above the water table in the unsaturated zone. Groundwater was noted at 8 fbg.

In the vicinity of the dust collectors, located east of Building A in AOC-19, urban fill, consisting of slag and asphalt was noted at approximately 4-6 fbg in AOC-19-SB-2. Groundwater was noted at 5.5 fbg.

Brick was noted at approximately 1-2 fbg in the boring (AOC-24 MW-1) completed in AOC-24.

Fill material consisting of brick, concrete and glass was noted at 0-4 fbg in the boring (AOC-SA-C-SB-1) completed in SA-C.

No urban fill or indications of petroleum related contamination were noted in the boring (AOC-SA-E-SB-1) completed in SA-E.

No urban fill or indications of petroleum related contamination were noted in the borings completed in SA-H or SA-O.

Field observations collected during the Phase II/III investigation suggest the presence of urban fill along portions of the west bank of Harbor Brook, located on the 77 Cooper Street property, and in several locations on the east side of the brook in several stabilization areas in the vicinity of the water tower and Building C. The extent of the urban fill in these areas has not been determined based on the information collected to date. In the vicinity of former Building D, urban fill and oily staining/odors were noted in the soil.

6.0 HYDROGEOLOGY

On May 10, 2006, and November 30, 2006, M&E collected depth to groundwater readings from 14 site wide monitoring wells and the eight VOC Plume Study wells. Utilizing a survey of site wells completed by Nafis and Young, the depth to water readings, the direction of groundwater flow was mapped and is presented on Figure 7. The direction of groundwater flow is generally to the southwest, towards Harbor Brook. Groundwater measurements and elevations are presented in Table 3.

7.0 ANALYTICAL RESULTS AND AOC STATUS SUMMARY

7.1 SOIL ANALYTICAL DATA

A soil sampling plan was developed to collect analytical data across the site and evaluate the environmental quality of the soil. The intent of the soil sampling plan was two fold: one, to investigate known stabilization area and assess if residual contamination remained after the stabilization efforts were completed in 2004-2005; and two, to further evaluate AOCs where either data gaps existed or where RSR exceedances were previously detected.

The soil data collected from the AOCs which were investigated during M&E's Phase II/III are summarized below. Soil samples were collected at the surface (0-0.5' below grade), as well as from geoprobe soil borings at deeper depths. A tabulated summary of soil data collected during M&E's Phase II/III investigation is presented in Table 4. A summary of RSR exceedances in soil is presented in Table 5, which includes data from previous investigations. The analytical laboratory data reports from this investigation are included in Appendix G.

AOC-1 – 2-20,000 gallon USTs (on the east side of Building C)

M&E collected a total of seven soil samples from three soil borings in this AOC.

- The VOCs tetrachloroethylene (PCE) and trichloroethylene (TCE) were detected in one sample at six feet below grade (fbg), but below the RDEC and the GB PMC (utilizing GWPC X 10).
- PAHs were detected in exceedance of the RDEC and I/C DEC in three samples, collected from three borings at 0-2, 2-4 and 4-6 fbg, but below the GB PMC (utilizing GWPC X 10).
- ETPH was detected in exceedance of the RDEC in one sample collected from one boring at 0-2 fbg, and above the I/C DEC in another sample collected from 8-10 fbg.
- Total lead was detected in exceedance of the GB PMC X 20 (screening method) in one sample, collected from one boring at 0-2 fbg. Since the

potential source of contamination was a UST, the only metal the soil was analyzed for was total lead.

No other exceedances, (total or SPLP) were detected in any of the samples collected in AOC-1. GZA reportedly pumped out the contents of the USTs (GZA, June 2000).

AOC-2 – 1-1,000 gallon UST (southeast side of Building A)

M&E collected three soil samples; one surficial soil sample and two samples from one boring in this AOC.

- The VOCs n-butylbenzene and p-isopropyltoluene were detected one sample (6-8 fbg), but below the RDEC and the GB PMC (utilizing GWPC X 10).
- PAHs were detected in exceedance of the RDEC and I/C DEC in two samples collected from 0-0.5 and 5.5-6 fbg. PAHs were detected above the GB PMC in one sample collected 5.5-6 fbg.
- ETPH was detected in exceedance of the RDEC in one sample collected at 0.0-5 fbg, and in exceedance of the RDEC, I/C DEC and GB PMC in another sample, collected 6-8 fbg.
- Total lead was detected in exceedance of the RDEC and GB PMC X 20 (screening method) in one sample collected 0-0.5 fbg. Since the potential source of contamination was a UST, other than total lead, no analyses were performed for other metals (total or SPLP).

No other exceedances, (total or SPLP) were detected in any of the samples collected in AOC-2. GZA reportedly pumped out the contents of the UST.

AOC-3 – 1-1,000 gallon UST (along Harbor Brook, north of Building B)

M&E collected two soil samples from one soil boring in this AOC.

- Total chromium, lead and vanadium were detected in exceedance of the GB PMC X 20 (screening method) in both samples, collected 2-4 and 6-8 fbg. No other exceedances were detected in either sample.
- No other contaminants were detected above the applicable RSR criteria.

The UST was reportedly removed in 2005.

AOC-5 – 2 USTs of unknown size (areas along southeast side of Building A)

M&E collected seven soil samples in this AOC; four samples from two soil borings, one surficial sample and two river bank samples.

- PAHs were detected in exceedance of the GB PMC, RDEC and I/C DEC in one 2-4 fbg soil boring sample and the surficial sample. SPLP-PAHs performed on one 2-4 fbg sample did not detect PAHs in exceedance of the GB PMC (utilizing GWPC X 10).
- ETPH was detected in exceedance of the RDEC in the surficial sample, and the 2-4 fbg and 9-11 fbg samples collected from the same boring. No other exceedances were noted from any of the samples, including the river bank samples.
- A number of total metals were detected in exceedance of the GB PMC X 20 (screening method). However, a SPLP-Metals analysis performed on one sample did not identify any GB PMC exceedances.

No comprehensive soil or groundwater sampling was reported to have been performed in this AOC prior to M&E's Phase II/III ESA.

AOC-10 – 1-150,000 gallon (water tower) AST (south of Building C)

M&E collected two surficial soil samples in this AOC. One of the surface samples was collected as a QA/QC (MS/MSD) sample.

- One PAH, benzo(b)fluoranthene, was detected in exceedance of the RDEC and GB PMC in one of the two surficial samples, collected 0-0.5 fbg.

- A number of total metals were detected in exceedance of the GB PMC X 20 (screening method) in both samples. A SPLP-Metals analysis performed on one sample did not detect any GB PMC exceedances.

AOC-11 – 11-55-gallon drums (stored in this area - southwestern portion of property)

M&E collected seven soil samples (two surficial samples and three soil boring samples) in this AOC. Of the seven samples, one was collected as a duplicate and a matrix spike/matrix spike duplicate sample. Two soil boring samples were collected from one boring, which was completed as a monitoring well.

- ETPH was detected in exceedance of the RDEC in both surficial samples.
- Total lead was detected in exceedance of the RDEC in one soil boring sample, collected 2-4 fbg.
- A number of total metals were detected in exceedance of the GB PMC X 20 (screening method) in all samples. However, SPLP-Metals performed on four samples did not detect any GB PMC exceedances.
- No other exceedances were identified.

Weston sampled the drums in 1998 and that the drums were removed (Weston, 1997). No drums were observed in this area by M&E.

AOC-13 – Drywell (southeast of Building B)

M&E collected one surficial sample and two soil boring samples from one soil boring in this AOC.

- A number of total metals were detected in exceedance of the GB PMC X 20 (screening method) in all samples. SPLP-Metals performed on two samples did not detect any GB PMC exceedances. VOCs were not detected above the laboratory detection limits in any of the samples.
- No other exceedances were identified.

In 1998, Weston conducted a soil gas survey in the area surrounding and downgradient of the drywell. Only low concentrations (< RSR criteria) of aromatic (benzene, ethyl benzene, toluene and xylene) VOCs were detected. No halogenated (TCE, PCE) VOCs were detected.

Groundwater sampling also completed by Weston (1998) downgradient of the drywell detected only the halogenated VOCs, TCE and PCE, and no aromatic VOCs. TCE was detected below the 1996 GWVC, but if compared to CTDEP's proposed (2003) standards, the detected TCE concentration exceeds the residential and industrial/commercial GWVC. However, given the absence of aromatic VOCs in the groundwater, and conversely, the absence of halogenated VOCs in the soil gas, this may suggest that the TCE and PCE in the groundwater are associated with another, upgradient source, other than the drywell, possible in AOC-17. Refer to Appendix E for additional information.

AOC-15 (AOC-15A, 15B and 15C) – Debris Piles (east of Harbor Brook and southwest corner of property – three separate locations)

AOC-15A

M&E collected one surficial soil sample and one soil boring sample from this AOC.

- No RSR exceedances were noted in this AOC.

AOC-15B

M&E collected five surficial samples and five soil boring samples in this AOC. Two of the surface samples were collected as QA/QC (DUP and MS/MSD) samples. The five soil boring samples were collected from four individual borings, one of which was completed as a monitoring well.

- A number of PAHs were detected in exceedance of the RDEC in three surficial samples (0-0.5 fbg) and two soil boring samples collected 2-4 fbg from two individual soil borings. PAHs were also detected in exceedance of the I/C DEC in one surficial sample and one soil boring sample. Mass

concentrations of several PAHs exceed the GWPC. However, SPLP-PAH analysis was performed on the sample which exhibited the highest mass concentrations of PAHs, and did not detect any GB PMC exceedances (utilizing GWPC X 10). GB PMC exceedances for PAHs only exist where mass - PAH analyses were performed.

- ETPH was detected in exceedance of the RDEC in one soil boring sample collected 2-4 fbg.
- Total copper was detected in exceedance of the RDEC in one surficial sample.
- A number of total metals were detected in exceedance of the GB PMC X 20 (screening method) in all surficial and soil boring samples. SPLP-Metals performed on five samples did not detect any GB PMC exceedances.

AOC-15C

This AOC was investigated in conjunction with a portion of AOC-11.

- ETPH was detected in exceedance of the RDEC in one AOC-11 surficial soil sample collected 0-0.5 fbg, and one soil boring sample collected 2-4 fbg.
- Total lead was detected in exceedance of the RDEC in one AOC-11 soil boring sample collected 2-4 fbg.

No other exceedances were noted. The debris piles were removed in 2005 (AEI, February 2006). Previous data indicates TPH in exceedance of the RDEC at 2 fbg.

AOC-17 – Contaminated soil (northeast corner of property, in vicinity of former Building D)

M&E collected two surficial samples and five soil boring samples in this AOC. The five soil boring samples were collected from two borings.

- The VOC, PCE, was detected in exceedance of the RDEC in two samples collected for the same soil boring; 14-16' and 18-20' below grade, and

below the water table. However, since these samples were collected below the water table, the PMC criteria do not apply. Furthermore, the DEC only apply to soils within 15' of the ground surface. The VOC, TCE, was detected in exceedance of the GB PMC in the same boring and at the same depths. No SPLP-VOC analyses were performed.

- Total arsenic and total vanadium were detected in exceedance of the RDEC in one surficial sample; 0-0.5' below grade. Total arsenic, and SPLP lead and antimony were also detected in the same sample in exceedance of the I/C DEC and GB PMC, respectively.
- A number of total metals were detected in exceedance of the GB PMC X 20 (screening method) in both surficial and one soil boring sample. Two samples were analyzed for SPLP-Metals. However, no exceedances of the GB PMC were noted. No other exceedances were noted.

Weston (1998) states that approximately 5,600 square feet of chlorinated VOC contaminated soil (to 15 feet below grade) exists in this area. Weston (1998) also performed a soil gas survey and collected soil and groundwater samples in this AOC. TCE and PCE were detected above the soil vapor volatilization criteria (SVVC) in a number of soil vapor samples collected in the vicinity of former Building D. Refer to Appendix E for additional information.

AOC-19 – Contaminated Soil (under dust piles, east of Building A)

M&E collected six soil samples from three borings in this AOC. One of the borings was completed as a monitoring well.

- ETPH was detected in exceedance of the RDEC, I/C DEC and the GB PMC in one sample collected 7-9 fbg.
- A number of PAHs were detected in exceedance of the RDEC in two samples, both collected 2-4 fbg. One SPLP-PAH analysis did not detect any GB PMC exceedances (utilizing GWPC X 10).
- Total copper was detected in exceedance of the RDEC in one sample collected 2-4 fbg.

- Total and SPLP lead was detected in exceedance of both the RDEC and the GB PMC from one sample collected 2-4 fbg.
- A number of total metals were detected in exceedance of the GB PMC X 20 (screening method) in all soil boring samples. Three of the four samples analyzed for SPLP-Metals did not detect any GB PMC exceedances.

No other exceedances were identified. Previous data indicates copper was detected above the RDEC at 2-2.5 fbg. Weston (1998) stated that approximately 1,600 square feet of green stained soil, contaminated with metals from overlying dust piles was removed. It is also stated that soil sampling was performed by Weston(1998), GZA (2000) and by the CT DEP in 2005.

Located in AOC-19 is SA-R. During 2004-2005, the CTDEP and AEI removed and disposed of metal-impacted surface soils to approximately two feet bgs beneath/adjacent to the dust collectors in two areas on the east side of Harbor Brook. The excavation was backfilled to grade with two-inch processed cover of stone.

AOC-24 – Possible UST (west side of Building D)

M&E collected one surficial and two soil boring samples in this AOC. The soil boring samples were collected from one boring that was completed as a monitoring well.

- The VOC TCE was detected in exceedance of the GB PMC in one soil sample collected 2-4 fbg.
- A number of PAHs were detected in exceedance of the RDEC in two samples collected 0-0.5 fbg and 2-4 fbg. One PAH was detected above the I/C DEC in the surficial 0-0.5 fbg sample and one soil boring sample collected 2-4 fbg. SPLP-PAH analyses performed on one surficial sample and one soil boring sample did not detect any GB PMC exceedances (utilizing GWPC X 10).

Weston (1998) states that ICF Kaiser (1990) completed an UST Sampling Report and identified a possible UST on the west side of former Building D. No additional information regarding the UST was presented in the Weston report and the ICF Kaiser report was unavailable for review.

AOC-25 – Groundwater Contamination (eastern property boundary)

Chlorinated VOC contamination in exceedance of the SWPC, R VC and I/C VC has previously been identified in the groundwater at the northern portion of the 104 Butler Street parcel, near the eastern boundary with residential properties on Cherry Street. Approximately ___” of light non-aqueous phase liquid (LNAPL) was identified in MW-1, near the end of Cherry Street.

Eight monitoring wells were installed to evaluate the extent of VOCs in groundwater near the eastern property boundary. Soil samples were screened in the field while installing the eight VOC Plume Study wells. In two locations (MW-100 and MW-107), field screening indicated VOC contamination at the water table. Soil samples from these locations were submitted for VOC analysis. No RSR exceedances were noted. The source of the LNAPL in MW-1, and the source of the (dissolved) groundwater contamination near the eastern property boundary have not been determined, but may be situated on-site in the vicinity of the former Building D. M&E’s Phase II/III ESA did not investigate potential off-site sources.

Refer to Section 7.2 for a more detailed discussed regarding AOC-25 groundwater contamination.

AOC-30 – Louie’s Auto Shop (east of site at 55 Cooper Street)

M&E collected one surficial and two soil boring samples just west of this AOC. A QA/QC duplicate and a MS/MSD sample were collected with the surficial soil sample. The two soil boring samples were collected from one boring, which was completed as a monitoring well. No exceedances of the RSR criteria were identified.

AOC-SA-C – Stabilization Area C Asphalt Piles Removed (east of Stabilization Area B)

M&E collected one surficial soil sample and one soil boring sample in this AOC.

- Total antimony was detected in exceedance of the RDEC in the surficial 0-0.5 fbg sample.
- A number of total metals were detected in exceedance of the GB PMC X 20 (screening method) in both samples.
- SPLP lead and antimony were detected in exceedance of the GB PMC in the surficial 0-0.5 fbg sample. The lead concentration exceeds 5.0 mg/l.

Soil is characterized as “hazardous” under RCRA using the TCLP analysis, which is a more aggressive leaching procedure than the SPLP method. Therefore, it is likely that if these materials were tested by TCLP, the result would be greater than the 5.0 mg/l concentration, and thus could be considered a hazardous material for disposal purposes. However, additional soil sampling in this area may suggest that the 5.0 mg/l is localized, and upon excavation, stockpiling and composite sampling, the material may not be considered hazardous. No other SPLP-metals were detected at concentrations exceeding the GB PMC.

AOC-SA-E – Stabilization Area E Metal Impacted Soil Removed (underneath former elevated heat transfer line, west of former smokestack)

M&E collected two soil samples from one soil boring in this AOC.

- No metals were detected at concentrations exceeding the RDEC. A number of total metals were detected in exceedance of the GB PMC X 20 (screening method) in both samples collected 0-2 fbg and 2-4 fbg. No other exceedances were identified.

AOC-SA-H – Stabilization Area H Metal-Impacted Soil Removed (adjacent to and north of 10,000 gallon waste water UST)

M&E collected two soil samples from one soil boring in this AOC.

- Total lead and vanadium were detected in exceedance of the GB PMC X 20 (screening method) in both samples collected 0-2 fbg and 2-4 fbg. No other exceedances were identified.

Previous data (AEI, 2006) indicates ETPH was detected in the soil at concentrations exceeding the RDEC, I/C DEC and the GB PMC; total nickel and zinc were detected in the soil above the RDEC; and total copper was detected in the soil above the RDEC and I/C DEC. According to AEI (2006), metal-impacted soil in this area was removed to one foot below grade.

AOC-SA-M – Stabilization Area M Impacted Soil and Fire Debris Pile Removed (AOC-15) (in location of former Building D)

M&E collected three soil samples from two soil borings in this AOC.

- Several PAHs were detected in exceedance of the RDEC and I/C DEC in one sample collected 0-2 fbg. SPLP-PAH analysis performed on the 0-2 fbg sample did not detect any GB PMC exceedances (utilizing GWPC X 10).
- A number of total metals were detected in exceedance of the GB PMC X 20 (screening method) in each of the three samples collected 0-1 fbg, 0-2 fbg and 2-4 fbg. SPLP- Metals analysis performed on the 0-2 fbg sample did not detect any GB PMC exceedances (utilizing GWPC X 10).

No other exceedances were identified.

AOC-SA-N – Stabilization Area N Building C Asbestos and Lead Abatement)

M&E collected two surficial soil samples in this AOC.

- Total lead was detected in exceedance of the GB PMC X 20 (screening method) in both surficial samples collected 0-0.5 fbg. SPLP-lead analysis performed on one sample did not detect any leachable lead in exceedance of the GB PMC.

- Trace amounts of the asbestos minerals, chrysotile and anosite were detected in one sample collected 0-0.5 fbg. Asbestos was not detected above the 1% laboratory reporting limit. No other exceedances were detected.

AEI (2006) states that during stabilization activities in 2004-2005, lead based paint that had fallen or was flaking and at risk of falling off Building C was removed and disposed of. Additionally friable asbestos insulation that had fallen or was at risk of falling from Building C, was removed and disposed during the 2004-2005 SA activities. However, asbestos still remains on boilers in Building C.

AOC-SA-O – Stabilization Area O Impacted-Soil and Debris Pile Removed (southeast of footbridge)

M&E collected two soil samples from one soil boring in this AOC.

- ETPH was detected in exceedance of the RDEC in one sample collected 0-2' below grade.
- A number of total metals were detected in exceedance of the GB PMC X 20 (screening method) in both samples collected 0-2 fbg and 2-4 fbg. SPLP-Metals analyses performed on both samples did not detected any GB PMC exceedances. No other exceedances were identified.

AEI (2006) state that during stabilization activities conducted during the 2004-2005 period, the visually impacted soil and piled debris were removed and disposed of off site.

AOC-SA-P – Stabilization Area P Asbestos Roof Removed from UST Bunker (adjacent to Building C)

M&E collected two surficial soil samples in this AOC. No exceedances were detected. Asbestos was not detected in either sample.

AEI (2006) stated that during stabilization activities conducted with CTDEP during the 2004-2005 period, the asbestos roof was removed and disposed of off-site.

AOC-SA-T – Stabilization Area T Building A Second and Third Floors Asbestos Removed

M&E collected three surficial soil samples near the building to evaluate possible releases of lead and asbestos from the building.

- Total lead was detected in exceedance of the RDEC in one sample collected 0-0.5 fbg.
- Total lead was detected in exceedance of the GB PMC X 20 (screening method) in all three surficial samples. SPLP-lead performed on one sample did not detect a GB PMC exceedance.
- Trace amounts of the asbestos mineral chrysotile was detected in one sample collected 0-0.5' below grade. Asbestos was not detected above the 1% laboratory reporting limit. No other exceedances were detected.

AEI (2006) stated that during stabilization activities conducted during the 2004-2005 period, asbestos from the second and third floors of Building A was removed and disposed of off-site.

7.2 GROUNDWATER ANALYTICAL DATA

A summary of groundwater data collected during M&E's Phase II/III investigation is presented in Table 6. A summary of RSR exceedances in groundwater is presented in Table 7, which includes data from previous investigations. Analytical laboratory data reports are included in Appendix G (Volume II).

M&E collected groundwater samples from 13 site-wide monitoring wells and from the eight wells installed near the eastern property boundary to evaluate VOC concentrations adjacent to the residential properties along Cherry Street.

In response to M&E's Phase II/III groundwater findings along the eastern property boundary, the CTDEP assisted in evaluating soil vapor and groundwater adjacent to the northern most residential dwellings on Cherry Street. The CTDEP collected three groundwater samples and two soil gas samples. Information provided by CTDEP documenting CTDEP's investigation is presented in Appendix E.

RSR exceedances were detected in the following AOCs.

AOC-3 – 1-10,000 gallon UST (MW-3 along harbor brook, north of Building B)

- Tetrachloroethylene (PCE) was detected in exceedance of the SWPC.
- Trichloroethylene (TCE) was detected in exceedance of the R VC and I/C VC.
- Vinyl chloride was detected in exceedance of the R VC.
- These chlorinated VOCs appear to be associated with the chlorinated VOCs found in the northeastern portion of the site in the area of former Building D/AOC 17.

AOC-11 – 11 55 gallon drums (MW-1)

- Arsenic was detected in exceedances of the SWPC.

AOC-17 – Contaminated soil (MW-1, MW-11 and MW-12)

- PCE was detected in exceedance of the SWPC.
- TCE was detected in exceedance of the R VC.
- Vinyl chloride was detected in exceedance of the R VC and I/C VC
- Zinc was detected in exceedance of the SWPC.

AOC-24 – Possible UST (MW-1)

- TCE was detected in exceedance of R VC.

AOC-25 – VOC Plume Study - Eastern Property Boundary (MW-100, 101, 102, 103, 104, 105, 106, 107 and CTDEP GP-1, 1A, 2, 3 and 3A)

Of the eight wells installed by M&E, VOC exceedances were detected in the three northern most wells (MW-100, 101, and 102). Additionally, VOCs were detected below the RSR criteria in four of the five remaining wells.

- PCE was detected in exceedance of the SWPC and R VC.

- TCE was detected in exceedance of the R VC, and I/C VC.
- Vinyl Chloride was detected in exceedance of the R VC and I/C VC.
- Cis-1,1-dichloroethylene was detected in exceedance of the R VC.

In addition to M&E's wells and groundwater samples the CTDEP collected soil vapor and groundwater samples to evaluate VOC concentrations adjacent to residential structures. The following RSR exceedances were detected.

- TCE and PCE were detected in exceedance of the R VC and I/C VC in GP1. PCE was also detected above the SWPC in GP1

No other exceedances were noted in any of the other groundwater samples and no vapor samples exceed the VC.

7.3 DATA QUALITY CONTROL/QUALITY ASSURANCE

A summary of data validation qualifications is presented in Table 8. Some data was qualified as presented in Table 8 and shown in the soil and groundwater data tables; however the data is usable for evaluating remediation requirements.

8.0 CONCEPTUAL SITE MODEL

As described in Section 2.0, the site has historically been used for commercial and industrial activities. Based on the history of the site and information from previous investigations, a Conceptual Site Model (CSM) has been constructed to better evaluate the environmental conditions on the site.

The development of a conceptual site model (CSM) is an evaluation process used to develop a comprehensive understanding of environmental site conditions. The CSM is typically revised as additional pertinent information is obtained and is therefore an iterative process. Ultimately, the resultant CSM provides a current comprehensive status of environmental conditions at a site. Typical issues evaluated include potential historical and present site operations/activities, areas of concern (AOCs), constituents of concern, geology, hydrogeology and hydrology, subsurface structures, degree and extent of contaminants within each media affected, and determination of potential receptors of the identified impacts. The CSM process integrates these issues to develop the comprehensive environmental site conditions. The CSM for the site is summarized in Table 9. Table 9 presents each site AOC, confirmed constituents of concern (COCs) exceeding RSR criteria (if any) in each AOC, and general recommendations for further investigations and/or remediation. Table 9 also includes data and information from previous investigations. This table was developed to facilitate the tracking of activities in each AOC.

8.1 Current Site Understanding

This section presents a discussion regarding the current understanding of the site with respect to site AOCs, COCs, Stabilization Areas (SAs) and RSR requirements. Based on our understanding of the site and a review of the data, a number of AOCs and SAs overlap and therefore are addressed together. Using the CSM, individual AOCs and SAs have been separated into the following four categories;

- 1) AOCs where RSR exceedances (soil and groundwater) have been identified and additional investigations and/or remediation may be appropriate;
- 2) AOCs where no RSR exceedances have been detected, and/or no additional investigations/remediation are recommended, and/or the area can be closed out with existing data;
- 3) AOCs which were not addresses as part of the Phase II/III investigation;
- 4) AOCs which may be addressed after demolition or during flood control evaluation.

In evaluating the four categories, with the focus on the areas where additional investigations and or remediation may be appropriate, please refer to the CSM (Table 9) and figures 4, 5 and 6 for additional information. The boundary between 77 Cooper Street and 104 Butler Street is depicted on the City of Meriden Economic Development Office site map, included in Appendix B. Figure 4, 5 and 6 present map views and RSR exceedances in the soil at 0-2', 2-4' and greater than 4' below land surface, respectively. These figures will help in planning remediation activities. Additionally, figure 7 presents RSR exceedances in site groundwater.

AOC RSR Exceedances in Soil - Additional Investigation and/or Remediation

A total of 33 AOCs/SAs have been identified as potentially requiring additional investigations and/or remediation, and have been combined into the following 11 main portions of the site. A number of the AOCs/SAs have been combined due to physical proximity, and to maximize future investigation/remediation efforts. In other words, investigation/remediation tasks can be utilized to address more than one AOC.

- 1) AOC-1, (AOC-18, SA-K, SA-L, and SA-M) – ETPH and PAH exceedances were noted in the soil adjacent to the 20,000-gallon USTs. This area is adjacent to Building C (Boiler Building), the COCs have been identified and remediation will be required. The full extent of the soil contamination has not

been completely delineated. Figure 4 shows the estimated extent of contamination requiring remediation in the top 2 feet of soil based on existing data. The estimated extents of contamination requiring remediation in deeper soils are shown on Figures 5 and 6. Depth to groundwater in this area is approximately 12' bgs.

Additional investigations would help to refine remediation requirements. It may be practical to re-assess the need for additional investigations during the flood control evaluation and the demolition phase of the project. Contingent upon re-development plans and incorporated flood management components, this area may be excavated and excess material disposed of as non-hazardous, Connecticut Regulated Waste or potentially capped on site.

- PAHs and ETPH > RDEC and I/C DEC at 0-2' bgs;
- PAHs > RDEC and I/C DEC at 2-4' bgs and 4-6' bgs;
- ETPH > RDEC and I/C DEC at 8-10' bgs.

2) AOC-2 (AOC-5, SA-U, SA-V and SA-W) – ETPH and PAHs exceedances were noted in the soil. This area is located along the western bank of Harbor Brook on the 77 Cooper Street parcel and near the southern extent of the brook. This area has been investigated, the COCs have been identified, and remediation will be required. The extent of the soil contamination to the south however, has not been delineated. The estimated extent of soil requiring remediation by depth are shown on Figures 4, 5 and 6.

Additional investigations would help to refine remediation requirements. It may be practical to re-assess the need for additional investigations during the flood control evaluation and the demolition phase of the project. Contingent upon re-development plans and incorporated flood management components, this area may be excavated and excess material disposed of

as non-hazardous, Connecticut Regulated Waste or potentially capped on site.

- PAHs and ETPH > RDEC and I/C DEC at 0-0.5' bgs; PAHs (mass) > GB PMC at 0-0.5' bgs;
- PAHs and ETPH > RDEC and I/C DEC at 2-4'; PAHs (mass) > GB PMC;
- PAHs > RDEC and I/C DEC at 5.5-6' bgs; ETPH > RDEC at 6-8' bgs and 9-11' bgs, and the I/C DEC at 6-8' bgs.

3) *AOC-10* – PAH RSR exceedances in the vicinity of the water tower were identified in shallow soil. This area has been investigated, the COCs have been identified, and remediation will be required. The extent of the soil contamination however, has not been completely delineated. The estimated extent of soil requiring remediation in this area is shown on Figure 4.

Additional investigations would help refine remediation requirements. It may be practical to re-assess the need for additional investigations during the flood control evaluation and/or the demolition phase of the project.

- PAHs (mass) > RDEC and GB PMC at 0-0.5' bgs.

4) *AOC-11 (AOC-16, SA-T and AOC-15C – debris pile)* – ETPH and total lead RSR exceedances were identified in this area, southwest side of Building A, on the 77 Cooper Street parcel. This area has been investigated, the COCs have been identified, and remediation will be required. Additionally, arsenic was detected in exceedance of the RSR criteria in the groundwater.

Additional investigations would help to refine remediation requirements. It may be practical to re-assess the need for additional investigations during the flood control evaluation and the demolition phase of the project.

Contingent upon re-development plans and incorporated flood management components, this area may be excavated and excess material disposed of as non-hazardous, Connecticut Regulated Waste.

- ETPH > RDEC at 0-0.5' bgs;
- Total Lead > RDEC at 0-5' and 2-4' bgs.

5) *AOC-15B (SA-B, SA-C, SA-F, SA-I)* – This area includes a large portion of the site, east of Harbor Brook, near the eastern property boundary. ETPH, PAHs and copper RSR exceedances were detected in this area. This area has been investigated, the COCs have been identified, and additional remediation will be required. The extent of the soil contamination however, has not been fully delineated.

Lead was detected in the soil in SA-C at a concentration which, if detected at similar concentrations after being excavated and staged for disposal, could potentially be considered a hazardous waste.

Additional investigations would help to refine remediation requirements. It may be practical to re-assess the need for additional investigations during the flood control evaluation. Contingent upon re-development plans and incorporated flood management components, this area (with the possible exception of the backfill material in SA-C) may be excavated and excess material disposed of as non-hazardous, Connecticut Regulated Waste.

- Total copper and antimony > RDEC and SPLP lead and antimony > GB PMC at 0-0.5' bgs;
- PAHs (mass) > RDEC, I/C DEC and GBPMC at 0-0.5' and 2-4' bgs;
- ETPH > RDEC at 2-4' bgs

6) *AOC-17* – This AOC is located at the end of Cherry Street on the 104 Butler Street parcel. Antimony, arsenic, lead and vanadium RSR exceedances were detected. Additionally, VOCs, (LNAPL in MW-1) and zinc RSR exceedances were detected in the groundwater. This area has been investigated, the COCs have been identified, and remediation will be required. The extent of the soil requiring remediation contamination however, has not been fully delineated. The presence of LNAPL and halogenated VOCs in the groundwater suggest an on-going source of contamination in the area.

Additional investigations would help refine remediation requirements. It may be practical to re-assess the need for additional investigations during the flood control evaluation. Contingent upon re-development plans and incorporated flood management components, this area may be excavated and excess material disposed of as non-hazardous, Connecticut Regulated Waste or potentially capped on site.

- Total arsenic >RDEC and I/C DEC at 0-0.5' bgs;
- Total vanadium >RDEC at 0-0.5' bgs;
- SPLP lead and antimony > GB PMC at 0-0.5' bgs;
- PCE > RDEC at 14-16' and 18-20' bgs (in water table and GB PMC not directly applicable; greater than 15' bgs DEC is not applicable).

7) *AOC-19 (AOC-23, AOC-6, AOC-14, SA-R, SA-S)* – ETPH, PAHs, lead and copper exceedances were noted in the soil. This area is located on the east side of Building A along the western bank of Harbor Brook. This area has been investigated, the COCs have been identified, and additional remediation will be required. The extent of the soil contamination however, has not been fully delineated.

Additional investigations would help refine remediation requirements. It may be practical to re-assess the need for additional investigations during the flood control evaluation and the demolition phase of the project. Contingent upon re-development plans and incorporated flood management components, this area may be excavated and excess material disposed of as non-hazardous, Connecticut Regulated Waste or potentially capped on site.

The stained soil in AOC-23 was removed during CTDEP stabilization activities.

- Total arsenic > RDEC and I/C DEC at 0-2' bgs;
- Total copper > RDEC at 2-4' bgs;
- Total lead > RDEC at 2-5.5' bgs;
- SPLP lead > GBPMC at 2-4' bgs;
- PAHs (mass) > RDEC, I/C DEC and GBPMC at 2-4' bgs, and > RDEC at 4-5.5' bgs;
- ETPH > RDEC and I/C DEC at 4-5.5' and 7-9' bgs.

8) AOC-24 – This AOC is located north of Building C on the 104 Butler Street parcel. PAHs and TCE RSR exceedances were noted in the soil. This area has been investigated, the COCs have been identified, and remediation will be required. The extent of the soil contamination however, has not been fully delineated.

Additional investigations would help refine remediation requirements. It may be practical to re-assess the need for additional investigations during the flood control evaluation and/or the demolition phase of the project. Contingent upon re-development plans and incorporated flood management components, this area may be excavated and excess material disposed of

as non-hazardous, Connecticut Regulated Waste or potentially capped on site.

- PAHs > RDEC and I/C DEC at 0-0.5' and 2-4' bgs;
- TCE > GB PMC at 2-4' bgs

9) *AOC-31 (Site Wide Surficial Soils)* – This AOC was investigated in conjunction with other AOCs where RSR exceedances have been identified through surficial soil sampling. Without additional investigations where data gaps exist, it is unknown if surficial soils contaminated with COCs above the RSR criteria are present in other areas.

10) *AOC SA-H* - This AOC is located east of Harbor Brook just northeast of Building B. Previous investigations identified ETPH RSR exceedances. This area has been investigated, the COCs have been identified, and remediation will be required. The extent of the soil contamination however, has not been delineated.

Additional investigations would help refine remediation requirements. It may be practical to re-assess the need for additional investigations during the flood control evaluation and/or the demolition phase of the project. Contingent upon re-development plans and incorporated flood management components, this area may be excavated and excess material disposed of as non-hazardous, Connecticut Regulated Waste or potentially capped on-site.

- ETPH > RDEC, I/C DEC and GBPMC (pre-existing data, sample depth undetermined)

11) *AOC- SA-O* – This area is located just southeast of the northern foot bridge on the 104 Butler Street parcel. ETPH RSR exceedances were noted. This

area has been investigated, the COCs have been identified, and additional remediation will be required. The extent of the soil contamination however, has not been fully delineated. Since the area was “stabilized” by CTDEP by removing a localized debris pile, the limits of the additional remediation are not expected to be extensive or deep.

Additional investigations would help refine remediation requirements. It may be practical to re-assess the need for additional investigations during the flood control evaluation. Contingent upon re-development plans and incorporated flood management components, this area may be excavated and excess material disposed of as non-hazardous, Connecticut Regulated Waste or potentially capped on-site.

- ETPH > RDEC at 0-2' bgs

AOC RSR Exceedances in Groundwater – Additional Investigations and/or Remediation

RSR exceedances were detected in six AOCs/SAs, which may require additional investigations and/or remediation. The six AOCs/SAs have been combined into the following five main areas of interest. Refer to figure 7 for additional information.

- 1) AOC-3 (SA-G) – This area is located northeast of Building B on the 77 Cooper Street parcel. TCE and vinyl chloride RSR exceedances were detected in the groundwater. The area has been characterized and the COCs have been identified.

- TCE > R VC, I/C VC and SWPC
- VC > R VC

2) AOC-11 – This AOC is located on the southwest side of Building A, on the 77 Cooper Street parcel. Concentrations of arsenic were detected at concentrations exceeding SWPC in the groundwater. The COCs have been identified but the source and extent are unknown at this time.

- *Arsenic > SWPC*

3) AOC-17 – This AOC is located at the end of Cherry Street on the 104 Butler Street parcel and is associated with the AOC-25 (Eastern Property Boundary) contamination. The COCs are similar to those present in AOC-25. Additional investigations may be warranted to refine the CSM and identify the source if active remediation is to be conducted. CTDEP conducted off-site sampling in the vicinity of homes on the northern end of Cherry Street. Very low detections of chlorinated VOCs in samples from GP-3 indicate the edge of the plume is in the vicinity of this location.

- *TCE > R VC, I/C VC*
- *VC > R VC*
- *PCE > R VC, I/C VC and SWPC*
- *Zinc > SWPC*

4) AOC-24 – This AOC is located north of Building C and near the northern property boundary. TCE RSR exceedances were identified in the groundwater. The source of the contamination has not been determined, but it may be associated with the chlorinated solvents in AOC 17. The building was demolished and soils have been reworked making the determination of the source difficult.

- *TCE > R VC*

5) AOC-25 (Eastern Property Boundary) – This area is located in the vicinity of the eastern property boundary, and may be associated with the groundwater contamination in AOC-17 and/or AOC-24. The COCs have been identified, but the boundary of the plume has not been completely delineated.

- *TCE > R VC and I/C VC*
- *CDCE > R VC*
- *PCE > R VC and SWPC*
- *VC > R VC and I/C VC*

It appears that a VOC groundwater plume extends onto several properties located at the end of Cherry Street, on the west side of the road. VOC RSR exceedances were noted in the groundwater and it appears that VOC RSR exceedances exist at the plume boundary which appears to straddle a portion of the northwestern most Cherry Street residential property. It also appears that the source of the groundwater contamination is an upgradient source either, in the vicinity of the former Building D area. However, an off-site source further to the north or northeast cannot be ruled out.

The CT DEP was notified of the condition with regards to vapors potentially impacting off-site residential properties. In association with the Connecticut Department of Public Health (DPH), the CT DEP investigated the area further, collecting vapor and groundwater data to assess current environmental conditions on the residential properties. Groundwater RSR exceedances were detected but no exceedances were detected in the vapors.

With the exception of AOC-3 and 11, groundwater contamination in exceedance of the RSR criteria appears to be located predominately on the 104 Butler Street parcel. Chlorinated VOCs are the predominate COC in this area. Currently, a definitive on-site source has not been identified, but potential

on-site sources may include improper waste handling/disposal associated with historic activities at former Building D. Historic activities include gun manufacturing, machining, foundry, and pattern shop activities and operations. VOC contaminated soil and soil gas was previously identified in this area and also could represent a potential on-site contaminant source.

Weston (1998) detected chlorinated VOC RSR exceedances in the soil vapor in the vicinity of Former Building D which, combined with other data, suggest a source in the Building D area. However, off-site sources cannot be ruled out. Potential off-site sources of the chlorinated VOCs may include dry cleaners and other businesses, whose operations utilize and released chlorinated VOCs.

Groundwater has not been investigated beneath the factory on the 77 Cooper Street parcel.

AOCs – Areas Addressed during M&E’s Phase II/III - No Additional Investigations and/or Remediation Recommended

The following AOCs/SAs were investigated during M&E’s Phase II/III and no additional investigations and/or remediation are recommended.

AOC-13, AOC-30, SA-E, SA-N, and SA-P

Areas Not Addressed in this Study

The following AOCs/SAs were not addressed in this Phase II/III investigation. Based upon the information, or the lack of information presented in previous investigations, these AOC/SAs have been categorized into two groups; those AOCs/SAs where additional investigations and/or remediation are not recommended, and those AOCs/SAs where additional investigations/investigations are recommended.

AOC-4 (SA-J), AOC-7, AOC-8, AOC-14, AOC-16, AOC-18, AOC-22, AOC-33 and SA-Q

- *AOC-4 (SA-J), AOC-7, AOC-8, AOC-22 and SA-Q* were not investigated during the Phase II/III but based on the data, no additional investigations and/or remediation are recommended.
- *AOC-16* (debris pile southwest of building A) and *AOC-26* (surface water and sediments) were not investigated during the Phase II/III but can be combined with *AOC-11* and *AOC-12* respectively, and additional investigations and/or remediation could be combined with demolition and flood control activities. *AOC-14, AOC-18* and *AOC-33* (soil and groundwater beneath building A) were also not investigated. Once Building A has been demolished and the debris removed, *AOC-33* (soil and groundwater beneath factory) and *AOC-14* (dust piles) can be investigated and/or remediated.

AOCs – Areas Not Investigated by M&E in this Study - Address during Pre-Demolition and Demolition Phase

AOC-9 (ASTs in building A), *AOC-20* (wood flooring –building A), *AOC-21* (stained concrete – building A), *AOC-26* (surface water & sediments) (include with *AOC-12* [discharge pipes to brook]), *AOC-27* (asbestos materials), *AOC-28* (lead paint), *AOC-29* (light ballasts), *AOC-32* (transformers in building), and *SA-D* (asbestos impacted soil under heat transfer lines).

- *AOC-9, AOC-20, AOC-21, AOC-27, AOC-28, AOC-29, AOC-32, and SA-D* were not investigated during the Phase II/III. It is recommended that these areas be addressed during pre-demolition and demolition activities.

9.0 REDEVELOPMENT PLANS

Redevelopment plans have not been finalized at this time, but it is anticipated that future site redevelopment plans will incorporate a flood control component, and possibly open space and commercial/industrial properties.

10.0 REMEDIATION REQUIREMENTS AND PHASE III CONCLUSIONS

The Phase II/III findings identified a number of AOCs and SAs where RSR exceedances were detected in soil and/or groundwater. Several locations have both soil and groundwater RSR exceedances. Remedial options, including Environmental Land Use Restrictions (ELURs) may be addressed in the Remedial Action Plan (RAP).

Soil Remediation Requirements. Soil with concentrations of COCs exceeding the GB PMC which is not “environmentally isolated” must be remediated to the seasonal high water table. Soil with concentrations of contaminants exceeding the R DEC and/or I/C DEC must be remediated to a depth of 15 feet of the ground surface or rendered “inaccessible”.

“Environmentally isolated soil” is defined as polluted soil which is (A) beneath an existing building or another existing and permanent structure which the Commissioner has determined in writing would prevent the migration of pollutants; (B) not a continuing source of pollution; (C) not polluted with volatile organic substances, or if polluted with such substances, the concentration of such substances has been reduced to the maximum extent prudent; and (D) above the seasonal high water table. [22a-133k-1(a) (15)]

The pollutant mobility criteria (“PMC”) do not apply to environmentally isolated soils, provided an environmental land use restriction (“ELUR”) is in effect that ensures that such soil will not be exposed to infiltration of soil water due to demolition of the building or structure. [22a-133k-2(c) (4) (B)]

Environmentally isolated soils are also considered “inaccessible”, thereby addressing direct exposure criteria (DEC) exceedances. The RSRs define “inaccessible soils” as polluted soil which is: (A) more than four feet below the ground surface; (B) more than two feet below a paved surface comprised of a minimum of three inches of bituminous concrete or concrete, which two feet may include the depth of any material used as sub-base for the pavement; or (C)(i) beneath an existing building or (ii) beneath another existing permanent structure provided written notice that such structure will be used to prevent human contact with such soil has been provided to the CTDEP. Therefore, soils that exceed DEC may be addressed by covering them with clean fill and/or a paved surface (“rendered inaccessible”). If soils that exceed DEC are rendered inaccessible, an ELUR would have to be recorded on the municipal land records.

An ELUR for the R DEC would restrict future residential use or the future disturbance of the area, unless remediation to comply with the R DEC was completed. An ELUR for I/C DEC would restrict future disturbance of the affected soil.

The RSRs allow for the use of an “engineered control” to effectively eliminate migration of contaminants that exceed the pollutant mobility criteria or to render soil that exceeds DEC inaccessible. It is possible that a redevelopment plan would take into consideration soil contamination at concentrations exceeding the R DEC and GB PMC and incorporate the utilization of paved surfaces such as parking lots, driveways, walkways and basketball courts to cap the contaminated materials. In non-paved areas, above grade planting beds that incorporate the use of a geotextile fabric or other barrier over the contaminated soil could be used as an engineered control. This conceptual engineered control plan would therefore incorporate the requirements of RSRs into a redevelopment plan and would require CTDEP approval.

To implement an engineered control, a report must be submitted to CTDEP summarizing the proposed engineered control and the maintenance and monitoring which will be conducted as part of the engineered control system. A public notice and comment period is also required, and an ELUR would have to be recorded.

Groundwater Remediation Requirements. The RSRs require that groundwater at the site be remediated to meet the requirements of the SWPC and R VC and/or the I/C VC. An alternative SWPC could potentially address SWPC exceedances. However, CTDEP approval of any proposed alternative SWPC would be required.

Additional groundwater monitoring and additional monitoring wells may be required in the area of the VOC plume (AOC-25), including off-site locations to the east, in order to evaluate plume boundaries. If COC concentrations are below the SWPC, compliance with the SWPC may be achieved as long as the plume is considered at steady state and not expanding.

If VC exceedances are detected, building construction would require the installation of a system to prevent VOC migration into interior areas. If construction is planned in areas where VC exceedances are present, remediation of groundwater would be required to comply with the VC. If compliance with the VC is unattainable, an ELUR would be required to prohibit construction of any building without a vapor control. Following soil remediation, natural attenuation is likely a viable option for groundwater remediation under the RSRs, and is a recommended alternative for groundwater issues at the site. Pre-remediation groundwater monitoring is recommended to evaluate contaminant trends. Post soil remediation groundwater monitoring would also be required.

15.0 REMEDIATION AND REDEVELOPMENT PROCESS

Remedial activities and the associated costs are contingent upon the redevelopment plans. At this time, the plans have not been developed. Based on the redevelopment plan, flood control and RSR requirements, a RAP would be developed and submitted to the CT DEP for review and approval, presumably, in accordance with the Connecticut Voluntary Remediation Program. The RAP would address all remedial activities, and possibly demolition activities, design requirements, permitting, engineering controls and associated monitoring and maintenance issues, and post remediation and natural attenuation monitoring. Since the remediation will be integrated with the redevelopment, it is recommended that the planning of the remediation and redevelopment be conducted simultaneously.

16.0 REFERENCES

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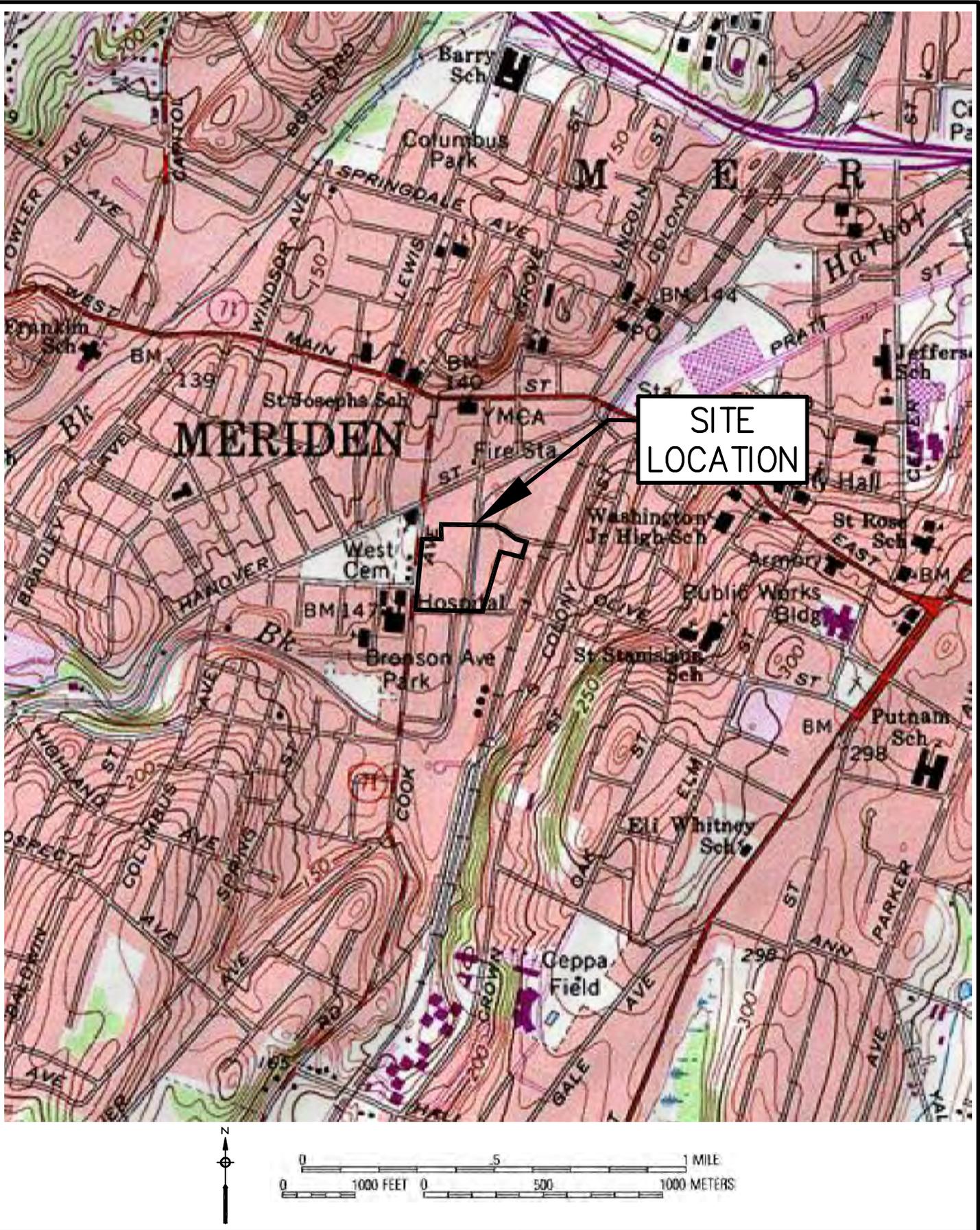
APPENDIX A: STATEMENT OF LIMITATIONS

STATEMENT OF LIMITATIONS

The data presented and the opinions expressed in this report are qualified as follows:

1. The sole purpose of the investigation and of this report is to assess the physical characteristics of the Site with respect to the presence or absence in the environment of oil or hazardous materials and substances as defined in the applicable state and federal environmental laws and regulations and to gather information regarding current and past environmental conditions at the Site.
2. Metcalf & Eddy (M&E) derived the data in this report primarily from visual inspections, examinations of records provided by the Client, interviews with individuals with information about the Site, and a limited number of subsurface explorations made on the dates indicated. The passage of time, manifestation of latent conditions or occurrence of future events may require further exploration at the Site, analysis of the data, and reevaluation of the findings, observations, and conclusions expressed in the report.
3. In preparing this report, M&E has relied upon and presumed accurate certain information (or the absence thereof) about the Site and adjacent properties provided by governmental officials and agencies, the Client, and others identified herein. Except as otherwise stated in the report, M&E has not attempted to verify the accuracy or completeness of any such information.
4. The data reported and the findings, observations, and conclusions expressed in the report are limited by the Scope of Services, including the extent of subsurface exploration and other tests. The Scope of Services was defined by the requests of the Client, the time and budgetary constraints imposed by the Client, and the availability of access to the Site.
5. Because of the limitations stated above, the findings, observations, and conclusions expressed by M&E in this report are not, and should not be considered, an opinion concerning the compliance of any past or present owner or operator of the site with any federal, state or local law or regulation. No warranty or guarantee, whether express or implied, is made with respect to the data reported or findings, observations, and conclusions expressed in this report. Further, such data, findings, observations, and conclusions are based solely upon site conditions in existence at the time of investigation.
6. This report has been prepared on behalf of and for the exclusive use of the Client, and is subject to and issued in connection with the Agreement and the provisions thereof.

APPENDIX B: FIGURES



METCALF & EDDY | AECOM

CITY OF MERIDEN, CONNECTICUT
INTERNATIONAL SILVER COMPANY, FACTORY H
77 COOPER STREET
MERIDEN, CT

FIGURE 1 – SITE LOCATION MAP

AS NOTED

DATE: MAR. 2006

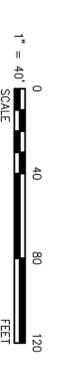
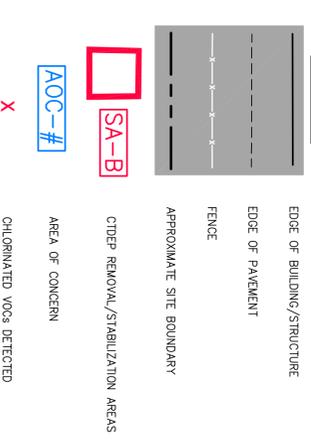
Summary of Areas of Concern

No.	Area of Concern	Location	No.	Area of Concern	Location
1	2 - 20,000-gallon USTs	East side of Building C	29	Fluorescent light ballasts	Throughout building interiors
2	1 - 1,000-gallon UST	Southeast side of Building A	30	Louie's Auto shop (65 Cooper St.)	Down-gradient of Louie's Auto
3	1 - 10,000-gallon UST	Along Harbor Brook north of Building B	31	Site-wide surficial soils	Throughout site
4	1 - UST of unknown size	South side of Building C	32	Building B	In building interior
5	2 - USTs of unknown size	Curbed areas along southeast side of Building A	33	Soil beneath Building A	Building A
6	5 - USTs of unknown size	Fill pipes along northeast side of Building A	SA-A	Stabilization Area A	South of Building C
7	2 - 200-gallon ASTs	Ground floor of Building C	SA-B	Smokeslack Removed	Between former smokeslack and 10,000 gal UST
8	1 - 1,500-gallon AST	Ground floor of Building C	SA-C	Stabilization Area C Asphalt Piles removed	East of Stabilization Area B
9	2 - 300-gallon ASTs	North and west side of ground floor of Building A	SA-D	Stabilization Area D Asbestos-impacted Soil removed	Underneath former elevated heat transfer line and west heat transfer line
10	1 - 150,000-gallon AST (Water tower)	South of Building C	SA-E	Stabilization Area E Metal-impacted Soil removed	Underneath former elevated heat transfer line and west heat transfer line
11	11 - 55-gallon drums	Throughout southwestern portion of property	SA-F	Stabilization Area F Impacted Soil Stockpile	Located along eastern site boundary
12	Discharge pipes	East of Building A along Harbor Brook	SA-G	Stabilization Area G 10,000-gal. Waste Water UST removed (AOC-3)	See AOC-3
13	Dry well	Southeast of Building B	SA-H	Stabilization Area H Metal-impacted Soil removed	Adjacent to and north of 10,000-gal. waste water UST
14	Dust piles	East of Building A under dust collectors	SA-I	Stabilization Area I Impacted Soil Stockpile Staging Area #2 (part of AOC-15)	Located along eastern site boundary
15	Debris piles	East of Harbor Brook and southwest corner of property	SA-J	Stabilization Area J Gal. Gasoline UST removed	See AOC-4
16	Debris pile	Southwest side of Building A	SA-K	Stabilization Area K Oil-Soiled Soil removed	See AOC-18
17	Contaminated soil	Northeast corner of property in vicinity of former Building D	SA-L	Stabilization Area L 2x20,000-gal. 90 Oil Tanks Cleaned	See AOC-1
18	Contaminated soil	Area adjacent to Building C	SA-M	Stabilization Area M Impacted Soil and Fire Debris Pile removed (AOC-15)	In location of former Building D
19	Contaminated soil	Under dust piles east of Building A.	SA-N	Stabilization Area N Asbestos-impacted Soil removed	At Building C
20	Contaminated wood floor	South end of Building A	SA-O	Stabilization Area O Impacted Soil and Debris Pile removed	Just southeast of footbridge
21	Stained concrete	North end of Building A.	SA-P	Stabilization Area P Asbestos Roof removed from UST Bulker	At UST bunker located adjacent to Building C.
22	Debris pile	Adjacent to smoke stack south of Building C	SA-Q	Stabilization Area Q Stabilization Area O	At Building B
23	Stained soil	East of Building A	SA-R	Stabilization Area R Metals-Impacted Soils removed and Stone Cover Installed	See AOCs 14 and 19
24	Possible UST	West side of former Building D	SA-S	Stabilization Area S Sump Cleaned of Metal-Impacted Sludge	Adjacent to Building A near Building B
25	Contaminated groundwater	Various portions of property	SA-T	Stabilization Area T "2nd & 3rd Floor Asbestos Abatement Work - Address other Portions of Building	At Building A
26	Contaminated surface water and sediments	Harbor Brook	SA-U	Stabilization Area U 1,000-gal. Heating Oil UST Cleaned	See AOC-5
27	Asbestos containing materials	Throughout building interiors	SA-V	Stabilization Area V UST Grave Found (No UST)	See AOC-5
28	Lead paint	Throughout building interiors	SA-W	Stabilization Area W Empty Concrete Vault Found	See AOC-2

MAP REFERENCES/NOTES:

1. THE AERIAL PHOTOGRAPH WAS OBTAINED FROM THE CITY OF MERIDEN'S GIS DEPARTMENT. THE AERIAL PHOTOGRAPH WAS PRODUCED IN 2005.
2. AREAS OF CONCERN WERE GENERALLY OBTAINED FROM WESTON REPORT (WESTON, SEPT. 1999) AND CDEP FACTORY H REMOVAL/STABILIZATION AREAS SKETCH (AEI, JAN. 2006).
3. NAFIS & YOUNG SURVEY (2006)
4. ESTIMATED EXTENTS OF VOC PLUME BASED ON HISTORIC DATA.

LEGEND:



METCALF & EDDY | AECOM

CITY OF MERIDEN, CONNECTICUT
 INTERNATIONAL SILVER COMPANY, FACTORY H
 FIGURE 2
 SITE PLAN AND AREAS OF CONCERN
 PHASE I/II ENVIRONMENTAL SITE ASSESSMENT

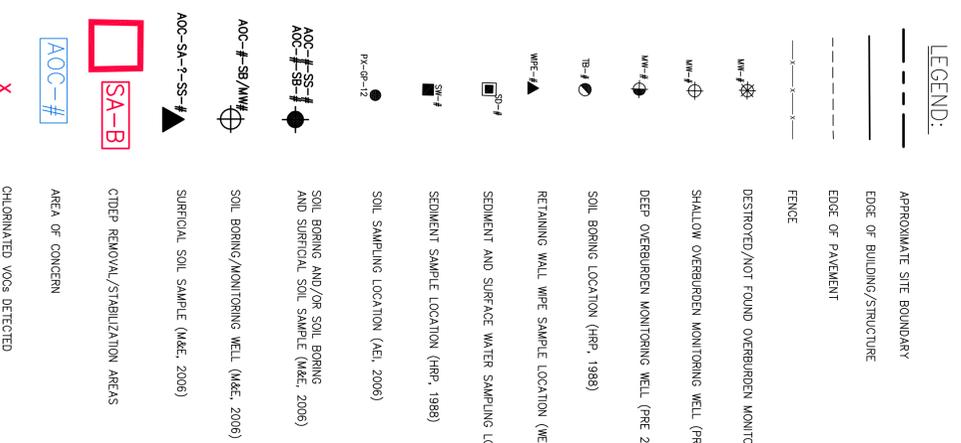
SCALE: AS NOTED DATE: MAY 2006

Summary of Areas of Concern

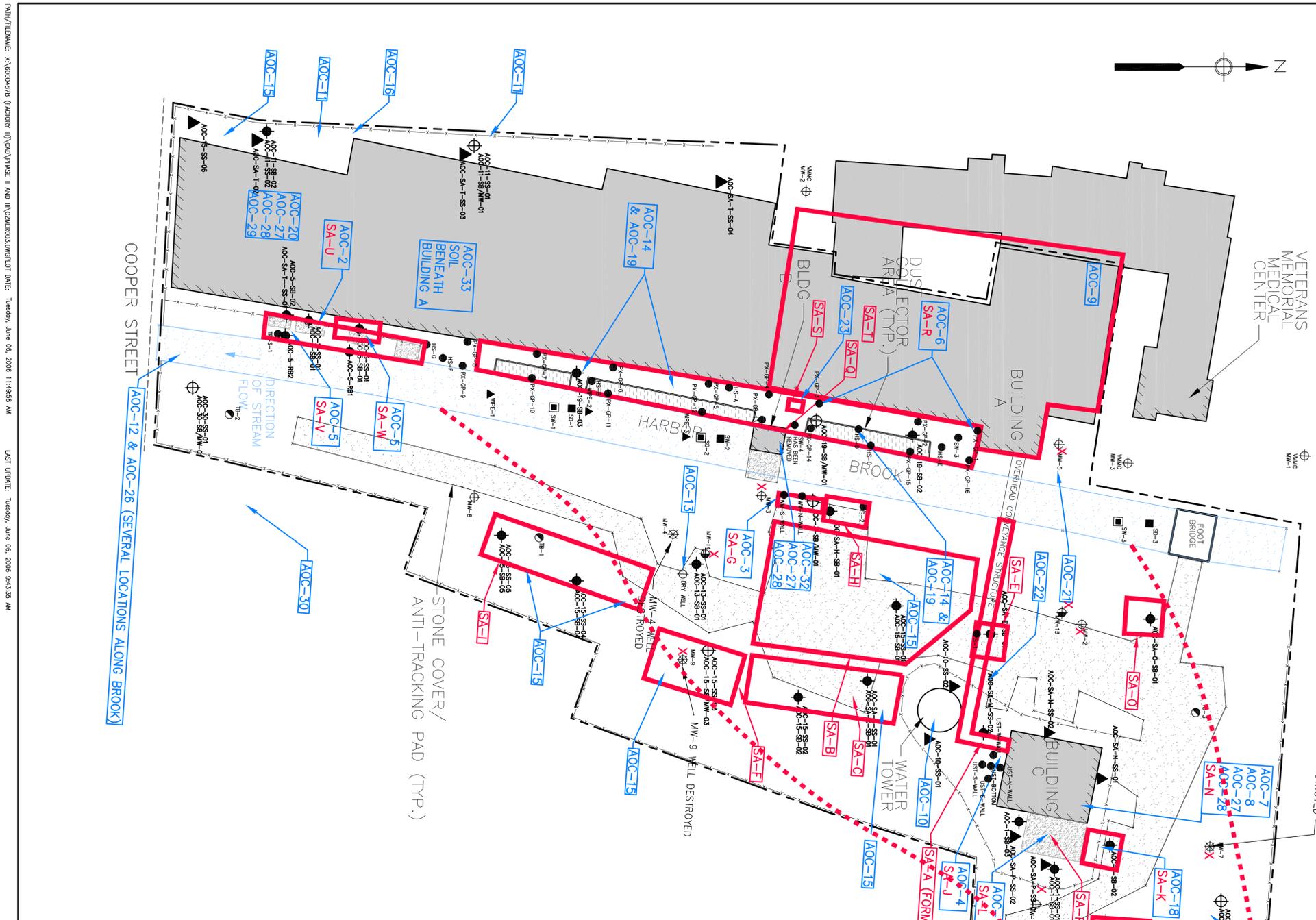
No.	Area of Concern	Location	No.	Area of Concern	Location
1	2 - 20,000-gallon USTs	East side of Building C	29	Fluorescent light ballasts	Throughout building interiors
2	1 - 1,000-gallon UST	Southeast side of Building A	30	Louie's Auto Shop (55 Cooper St.)	Down-gradient of Louie's Auto
3	1 - 10,000-gallon UST	Along Harbor Brook north of Building B	31	Site-wide surficial soils	Throughout site, in Building Interior.
4	1 - UST of unknown size	South side of Building C	32	Building B	Building A
5	2 - USTs of unknown size	Curved areas along southeast side of Building A	33	Soil beneath Building A	Building A
6	5 - USTs of unknown size	Fill pipes along northeast side of Building A	SA-A	Smokestack Removed	South of Building C
7	2 - 200-gallon ASTs	Ground floor of Building C	SA-B	Contaminated Soil Piles Removed (AOC-15)	Between former smokestack and 10,000 gal UST
8	1 - 1,500-gallon AST	Ground floor of Building C	SA-C	Pipes Removed	East of Stabilization Area B
9	2 - 300-gallon ASTs	North and west side of ground floor of Building A	SA-D	Asbestos-impacted Soil Removed	Underneath former elevated lead transfer line of west of former smokestack
10	1 - 150,000-gallon AST (Water tower)	South of Building C	SA-E	Stabilization Area E Metal-impacted Soil Removed	Underneath former elevated lead transfer line of west of former smokestack
11	11 - 55-gallon drums	Throughout southwestern portion of property	SA-F	Stabilization Area F Impacted Soil Stockpile Slugging Area #1	Located along eastern site boundary
12	Discharge pipes	East of Building A along Harbor Brook	SA-G	Stabilization Area G 10,000-gal. Waste Water UST Removed (AOC-3)	See AOC-3
13	Dry well	Southeast of Building B	SA-H	Stabilization Area H Metal-impacted Soil Removed	Adjacent to and north of 10,000-gal. waste water UST
14	Dust piles	East of Building A under dust collectors	SA-I	Impacted Soil Stockpile Slugging Area #2 (Part of AOC-15)	Located along eastern site boundary
15	Debris piles	East of Harbor Brook and southwest corner of property	SA-J	Stabilization Area J 275 Gal. Gasoline UST Removed	See AOC-4
16	Debris pile	Southwest side of Building A	SA-K	Stabilization Area K Oil-impacted Soil Removed	See AOC-18
17	Contaminated soil	Northeast corner of property in vicinity of former Building D	SA-L	Cleaned Stabilization Area L	See AOC-1
18	Contaminated soil	Area adjacent to Building C	SA-M	Impacted Soil and Fire Debris Pile Removed (AOC-15)	In location of former Building D
19	Contaminated soil	Under dust piles east of Building A.	SA-N	'C' Asbestos and Lead Abatement Work	At Building C
20	Contaminated wood floor	South end of Building A	SA-O	Impacted Soil and Debris Pile Removed	Just southeast of footbridge
21	Stained concrete	North end of Building A	SA-P	Stabilization Area P Asbestos Soil Removed from UST Bulker	All UST bulker located adjacent to Building C
22	Debris pile	Adjacent to smoke stack south of Building C	SA-Q	Stabilization Area Q Lead Abatement Work	At Building B
23	Stained soil	East of Building A	SA-R	Stabilization Area R Metals-impacted Soils Removed and Stone Cover Installed	See AOCs-14 and -19
24	Possible UST	West side of former Building D	SA-S	'A', 2nd & 3rd Floor Asbestos Abatement Work - Address other Portions of Building	Adjacent to Building A near Building B
25	Contaminated groundwater	Various portions of property	SA-T	Stabilization Area T 1,000-gal. Heating Oil UST	At Building A
26	Contaminated surface water and sediments	Harbor Brook	SA-U	Cleaned Stabilization Area U UST Grave Found (No UST)	See AOC-5
27	Asbestos containing materials	Throughout building interiors	SA-V	Stabilization Area V Empty Concrete Vault Found	See AOC-2
28	Lead paint	Throughout building interiors			

MAP REFERENCES/NOTES:

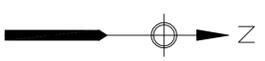
1. THE AERIAL PHOTOGRAPH WAS OBTAINED FROM THE CITY OF MERIDEN'S GIS DEPARTMENT. THE AERIAL PHOTOGRAPH WAS PRODUCED IN 2003.
2. AREAS OF CONCERN WERE GENERALLY OBTAINED FROM WESTON REPORT (WESTON, SEPT. 1999) AND CDEP FACTORY H REMOVAL/STABILIZATION AREAS SKETCH (AEL, JAN. 2006).
3. NAFIS & YOUNG SURVEY (2006)
4. M&E (2006) LOCATIONS WERE SURVEYED UNLESS NOTED IN NOTE 5.
5. SAMPLE LOCATIONS AOC-5-RB1, AOC-5-RB2, AND AOC-SA-M-SS-01 ARE ESTIMATED.
6. ESTIMATED EXTENTS OF VOC PLUME BASED ON HISTORIC DATA.



ESTIMATED EXTENTS OF VOC PLUME IN SHALLOW GROUNDWATER



CITY OF MERIDEN, CONNECTICUT
 INTERNATIONAL SILVER COMPANY, FACTORY H
METCALF & EDDY | **AECOM**
 SAMPLE LOCATION PLAN
 PHASE I/III ENVIRONMENTAL SITE ASSESSMENT
 SCALE: AS NOTED DATE: MAY 2006



EXCEEDANCE LEGEND:

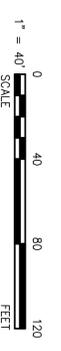
- EXCEEDANCE OF RESIDENTIAL DIRECT EXPOSURE CRITERIA (R DEC)
- EXCEEDANCE OF INDUSTRIAL/COMMERCIAL DIRECT EXPOSURE CRITERIA (I/C DEC)
- EXCEEDANCE OF GB POLLUTANT MOBILITY CRITERIA (GB PMC)
- ESTIMATED LIMIT OF SOIL EXCEEDING 1/C DEC
- ESTIMATED LIMIT OF SOIL EXCEEDING R DEC
- ESTIMATED LIMIT OF SOIL EXCEEDING GB PMC

LEGEND:

- APPROXIMATE SITE BOUNDARY
- EDGE OF BUILDING/STRUCTURE
- EDGE OF PAVEMENT
- FENCE
- ⊗ DESTROYED/NOT FOUND OVERBURDEN MONITORING WELL (PRE 2006)
- ⊗ SHALLOW OVERBURDEN MONITORING WELL (PRE 2006)
- ⊗ DEEP OVERBURDEN MONITORING WELL (PRE 2006)
- ⊗ SOIL BORING LOCATION (HRR, 1988)
- ⊗ RETAINING WALL W/FE SAMPLE LOCATION (WESTON, 1999)
- ⊗ SEDIMENT AND SURFACE WATER SAMPLING LOCATION (WESTON, 1999)
- ⊗ SEDIMENT SAMPLE LOCATION (HRR, 1988)
- ⊗ SOIL SAMPLING LOCATION (AEL, 2006)
- ⊗ SOIL BORING AND/OR SOIL BORING AND SURFICIAL SOIL SAMPLE (M&E, 2006)
- ⊗ SOIL BORING/MONITORING WELL (M&E, 2006)
- ⊗ SURFICIAL SOIL SAMPLE (M&E, 2006)

MAP REFERENCES/NOTES:

1. THE AERIAL PHOTOGRAPH WAS OBTAINED FROM THE CITY OF MENDEN'S GIS DEPARTMENT. THE AERIAL PHOTOGRAPH WAS PRODUCED IN 2005.
2. AREAS OF CONCERN WERE GENERALLY OBTAINED FROM WESTON REPORT (WESTON, SEPT. 1999) AND CTDEP FACTORY H REMOVAL/STABILIZATION AREAS SKETCH (AEL, JAN. 2006).
3. NAFS & YOUNG SURVEY (2006)
4. M&E (2006) LOCATIONS WERE SURVEYED UNLESS NOTED IN NOTE 5.
5. SAMPLE LOCATIONS AOC-5-RB1, AOC-5-RB2, AND AOC-5A-M-SS-01 ARE ESTIMATED.
6. DATA FOR THREE SHALLOW SOIL SAMPLES FROM GZA(2000) IS NOT INCORPORATED INTO THIS FIGURE. THOSE SAMPLES WERE REPORTEDLY COLLECTED IN THE VICINITY OF THE DUST COLLECTORS AND A FORMER TRANSFORMER PAD. THAT SOIL WAS REMOVED DURING THE CTDEP STABILIZATION ACTIONS IN 2005.



METCALF & EDDY | **AECOM**

CITY OF MENDEN, CONNECTICUT
INTERNATIONAL SILVER COMPANY, FACTORY H
FIGURE 4 – SOIL SAMPLES (0-2' BGS)
EXCEEDING RSR CRITERIA
PHASE I/II ENVIRONMENTAL SITE ASSESSMENT
SCALE: AS NOTED DATE: MAY 2006



VETERANS
MEMORIAL
MEDICAL
CENTER



EXCEEDANCE LEGEND:

- EXCEEDANCE OF RESIDENTIAL DIRECT EXPOSURE CRITERIA (R DEC)
- EXCEEDANCE OF INDUSTRIAL/COMMERCIAL DIRECT EXPOSURE CRITERIA (I/C DEC)
- EXCEEDANCE OF GB POLLUTANT MOBILITY CRITERIA (GB P/MC)
- - - ESTIMATED LIMIT OF SOIL EXCEEDING I/C DEC
- - - ESTIMATED LIMIT OF SOIL EXCEEDING R DEC
- - - ESTIMATED LIMIT OF SOIL EXCEEDING GB P/MC
- - - DEPTH (FT BGS) OF EXCEEDANCE

LEGEND:

- APPROXIMATE SITE BOUNDARY
- EDGE OF BUILDING/STRUCTURE
- EDGE OF PAVEMENT
- FENCE
- DESTROYED/NOT FOUND OVERBURDEN MONITORING WELL (PRE 2006)
- ⊕ SHALLOW OVERBURDEN MONITORING WELL (PRE 2006)
- ⊕ DEEP OVERBURDEN MONITORING WELL (PRE 2006)
- ⊕ SOIL BORING LOCATION (HRP, 1989)
- ⊕ RETAINING WALL W/PE SAMPLE LOCATION (WESTON, 1999)
- ⊕ SEDIMENT AND SURFACE WATER SAMPLING LOCATION (WESTON, 1999)
- ⊕ SEDIMENT SAMPLE LOCATION (HRP, 1989)
- ⊕ SOIL SAMPLING LOCATION (AEL, 2006)
- ⊕ AOC-#-SB-# SOIL BORING AND/OR SOIL BORING AND SURFICIAL SOIL SAMPLE (M&E, 2006)
- ⊕ AOC-#-SB-# SURFICIAL SOIL SAMPLE (M&E, 2006)
- ⊕ AOC-#-SB-# SOIL BORING/MONITORING WELL (M&E, 2006)
- ⊕ AOC-#-#-SS-# SURFICIAL SOIL SAMPLE (M&E, 2006)

MAP REFERENCES/NOTES:

1. THE AERIAL PHOTOGRAPH WAS OBTAINED FROM THE CITY OF MERIDEN'S GIS DEPARTMENT. THE AERIAL PHOTOGRAPH WAS PRODUCED IN 2005.
2. AREAS OF CONCERN WERE GENERALLY OBTAINED FROM WESTON REPORT (WESTON, SEPT. 1999) AND CIDEP FACTORY H REMOVAL/STABILIZATION AREAS SKETCH (AEL, JAN. 2006).
3. MAFIS & YOUNG SURVEY (2006)
4. M&E (2006) LOCATIONS WERE SURVEYED UNLESS NOTED IN NOTE 5.
5. SAMPLE LOCATIONS AOC-5-R91, AOC-5-R92, AND AOC-SA-M-SS-01 ARE ESTIMATED.
6. DATA FOR THREE SHALLOW SOIL SAMPLES FROM GZA(2000) IS NOT INCORPORATED INTO THIS FIGURE. THOSE SAMPLES WERE REPORTEDLY COLLECTED IN THE VICINITY OF THE DUST COLLECTORS AND A FORMER TRANSFORMER PAD. THAT SOIL WAS REMOVED DURING THE CIDEP STABILIZATION ACTIONS IN 2005.

METCALF & EDDY | **AECOM**

CITY OF MERIDEN, CONNECTICUT
INTERNATIONAL SILVER COMPANY FACTORY H
FIGURE 6 – SOIL SAMPLES (>4' BGS)
EXCEEDING RSR CRITERIA
PHASE I/II ENVIRONMENTAL SITE ASSESSMENT

SCALE: AS NOTED DATE: MAY 2006

CT RSR EXCEEDANCE TABLE			
WELL ID	R VC	I/C VC	SWPC
MW-1 (AOC-17)	VNVL CHLORIDE	VNVL CHLORIDE	--
MW-11 (AOC-17)	TRICHLOROETHYLENE, VINYL CHLORIDE	--	TETRACHLOROETHYLENE, ZINC
AOC-3-MW-1	TRICHLOROETHYLENE, VINYL CHLORIDE	TRICHLOROETHYLENE	TETRACHLOROETHYLENE
AOC-24-MW-1	TRICHLOROETHYLENE	--	--
MW-100 (AOC-25)	TRICHLOROETHYLENE	TRICHLOROETHYLENE	TETRACHLOROETHYLENE
MW-101 (AOC-25)	OS-1,2-DICHLOROETHYLENE, TETRACHLOROETHYLENE, TRICHLOROETHYLENE, VINYL CHLORIDE	TRICHLOROETHYLENE, VINYL CHLORIDE	TETRACHLOROETHYLENE
MW-102 (AOC-25)	TRICHLOROETHYLENE, VINYL CHLORIDE	TRICHLOROETHYLENE	TETRACHLOROETHYLENE

EXCEEDANCE LEGEND:

EXCEEDS PROPOSED MARCH, 2003 RESIDENTIAL VOLATILIZATION CRITERIA (R VC)

EXCEEDS PROPOSED MARCH, 2003 INDUSTRIAL/COMMERCIAL VOLATILIZATION CRITERIA (I/C VC)

EXCEEDS SURFACE WATER PROTECTION CRITERIA (SWPC)

CHLORINATED VOCs DETECTED

LEGEND:

SITE BOUNDARY

FENCE

DESTROYED/NOT FOUND OVERBURDEN MONITORING WELL (PRE 2006)

SHALLOW OVERBURDEN MONITORING WELL (PRE 2006)

DEEP OVERBURDEN MONITORING WELL (PRE 2006)

SOIL BORING LOCATION (HRP 1989)

RETAINING WALL W/RE SAMPLE LOCATION (WESTON, 1999)

SEDIMENT AND SURFACE WATER SAMPLING LOCATION (WESTON, 1999)

SEDIMENT SAMPLE LOCATION (HRP, 2006)

SOIL SAMPLING LOCATION (AEL, 2006)

STREAM GAGE ELEVATIONS

ELE. = 133.85

PR-02-12

SW-#

SOIL BORING AND/OR SOIL BORING AND SURFICIAL SOIL SAMPLE (M&E, 2006)

AOC-#-SB/MW#

SOIL BORING/MONITORING WELL (M&E, 2006)

SURFICIAL SOIL SAMPLE (M&E, 2006)

ESTIMATED GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)

GROUNDWATER SPOT ELEVATION

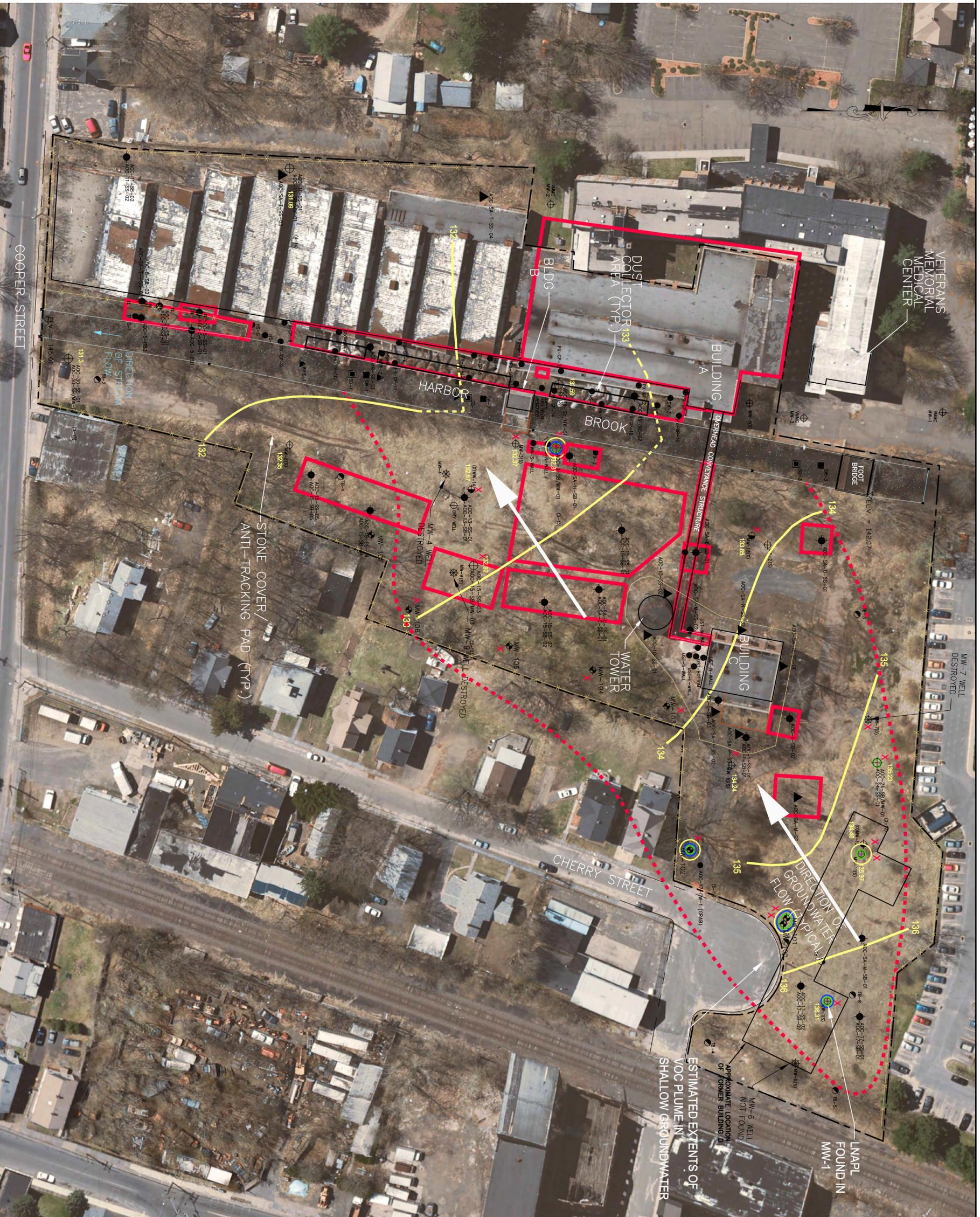
SCREENED INTERVAL OF GROUNDWATER MONITORING WELL (DEPTH BELOW GROUND SURFACE IN FEET)

DEFINED AS "SHALLOW" OR "DEEP" SCREENED WELL (WESTON, 1999)

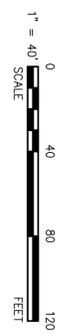
WELL ELEVATIONS			WELL ELEVATIONS		
CASING	PVC	GRID	CASING	PVC	GRID
MW-1	150.11	150.02	MW-100	150.04	148.96
MW-3	142.16	142.16	MW-101	150.22	149.94
MW-8	140.94	140.69	MW-102	148.68	147.59
MW-9	140.57	139.98	MW-103	148.25	147.93
MW-10	146.52	146.35	MW-104	146.55	146.36
MW-11	143.95	143.21	MW-105	143.09	144.80
MW-12	143.64	143.20	MW-106	143.30	143.19
MW-13	141.25	141.09	MW-107	142.59	142.16
MW-14	139.12	138.82			142.07
AOC-3	143.00	142.72			139.30
AOC-5	141.20	140.85			138.50
AOC-11	140.59	140.29			137.09
AOC-19	143.09	142.84			139.44
AOC-19	139.41	139.21			139.41

MAP REFERENCES NOTES:

1. THE AERIAL PHOTOGRAPH WAS OBTAINED FROM THE CITY OF MERIDEN'S GIS DEPARTMENT. THE AERIAL PHOTOGRAPH WAS PRODUCED IN 2005.
2. AREAS OF CONCERN WERE GENERALLY OBTAINED FROM WESTON REPORT (WESTON, SEPT. 1999) AND CTEP FACTORY H REMOVAL/STABILIZATION AREAS SKETCH (AEL, JAN. 2006).
3. NAFIS & YOUNG SURVEY (2006)
4. M&E (2006) LOCATIONS WERE SURVEYED UNLESS NOTED IN NOTE 5.
5. SAMPLE LOCATIONS AOC-5-RB1, AND AOC-5-RB1, AND AOC-SA-M-SS-01 ARE ESTIMATED.
6. MONITORING WELL MW-12 WAS NOT USED TO ESTIMATE GROUNDWATER ELEVATION CONTOURS.
7. THE LNAPL THICKNESS WAS APPROXIMATELY SEVERAL INCHES.
8. ESTIMATED EXTENTS OF VOC PLUME IN SHALLOW GROUNDWATER BASED ON DETECTIONS OF CHLORINATED VOCs DURING 2006 SAMPLING EVENT.



DRAFT



METCALF & EDDY | **AECOM**

CITY OF MERIDEN, CONNECTICUT
INTERNATIONAL SILVER COMPANY FACTORY H
FIGURE 7 - GROUNDWATER EXCEEDANCES & CONTOUR MAP
PHASE I/III ENVIRONMENTAL SITE ASSESSMENT

SCALE: AS NOTED DATE: JAN. 2007

APPENDIX C: PHOTOGRAPHS

Photo Documentation
Phase II & III Site Assessment
Insilco, Factory H Site
Meriden, Connecticut



Building C, 104 Butler Street parcel; looking west from Cherry Street.



Building C and Water Tower, 104 Butler Street parcel; looking northeast.

Photo Documentation
Phase II & III Site Assessment
Insilco, Factory H Site
Meriden, Connecticut



Open Area, 104 Butler Street parcel; looking south toward Cooper Street.



Eastern Property Boundary, 104 Butler Street parcel; looking east toward residential properties on Cherry Street.

Photo Documentation
Phase II & III Site Assessment
Insilco, Factory H Site
Meriden, Connecticut



Building C Water Tower and Eastern Property Boundary area, 104 Butler Street parcel;
looking north.



Building A and dust collectors, 77 Cooper Street parcel; looking west from 104 Butler
Street parcel.

Photo Documentation
Phase II & III Site Assessment
Insilco, Factory H Site
Meriden, Connecticut



Building B, 77 Cooper Street parcel; looking west.



Building A and dust collectors, 77 Cooper Street parcel; looking south.

Photo Documentation
Phase II & III Site Assessment
Insilco, Factory H Site
Meriden, Connecticut



Cooper Street bridge and Harbor Brook; looking southwest.



Building A interior, 77 Cooper Street parcel; looking southwest.

APPENDIX D: TABLES

TABLE 1
Summary of Areas of Concern
International Silver Company, Factory H
Meriden, Connecticut
Metcalf & Eddy, Inc.

No.	Area of Concern	Location	Description	Available Data	Completed Remedial Actions	Data Gaps
1	2 - 20,000-gallon USTs	East side of Building C	Reported to be steel construction and have contained diesel fuel. Unknown installation date.	Upgradient soil boring & soil gas survey (Weston, 1998) and GPR Survey (AEI, 2005)	Contents of tanks pumped out (GZA, 2000)	No comprehensive soil or groundwater sampling has been performed in vicinity of tanks.
2	1 - 1,000-gallon UST	Southeast side of Building A	Reported to be steel construction and have contained kerosene. Unknown installation date.	No soil or groundwater data is available	Contents of tank pumped out (GZA, 2000) and empty concrete vault found	No comprehensive soil or groundwater sampling has been performed in vicinity of tanks.
3	1 - 10,000-gallon UST	Along Harbor Brook north of Building B	Reported to be steel construction and have contained metal finishing rinse and wastewater. Installed in 1970.	GPR Survey (AEI, 2005) and limited soil sampling data (CTDEP, Sept. 2005)	Tank removed in 2005	Tank was not formerly closed; however, a release from the UST does not appear to have occurred.
4	1 - UST of unknown size	South side of Building C	Contained gasoline; unknown construction and installation date.	Soil sampling of sidewalls and bottom of tank excavation (CTDEP, Sept. 2005)	Tank removed in 2005	There do not appear to be any data gaps. A release from the UST does not appear to have occurred.
5	2 - USTs of unknown size	Curbed areas along southeast side of Building A	Unknown construction, use, and installation date.	GPR Survey (AEI, 2005) No soil or groundwater data is available	1 1,000 gal UST cleaned and 1 UST grave found	No comprehensive soil or groundwater sampling has been performed in vicinity of tanks.
6	5 - USTs of unknown size	Fill pipes along northeast side of Building A	Unknown construction, use, and installation date.	Field observations GPR Survey (AEI, 2005) No tanks appeared to be present No soil or groundwater data is available	None reported	Tanks could be beneath building. No comprehensive soil or groundwater sampling has been performed in vicinity of tanks.
7	2 - 200-gallon ASTs	Ground floor of Building C	Reported to be steel construction. Unknown use and installation date.	Observations	Reported to have been pumped out / removed (email dated 1-30-06)	None
8	1 - 1,500-gallon AST	Ground floor of Building C	Reported to be concrete construction. Unknown use and installation date.	Observations	Reported to have been pumped out / removed (email dated 1-30-06)	None
9	2 - 300-gallon ASTs	North and west side of ground floor of Building A	Reported to be concrete construction. Unknown use and installation date.	Tanks are suspected to contain water (GZA, 2000).	None reported	Tanks have unknown contents, but are suspected to contain water.
10	1 - 150,000-gallon AST (Water tower)	South of Building C	Reported to be steel construction. Unknown installation date.	None	None reported	Presence of lead paint in surficial soils in vicinity of water tower is unknown

TABLE 1
Summary of Areas of Concern
International Silver Company, Factory H
Meriden, Connecticut
Metcalfe & Eddy, Inc.

No.	Area of Concern	Location	Description	Available Data	Completed Remedial Actions	Data Gaps
11	11 - 55-gallon drums	Throughout southwestern portion of property	HRP observed four empty drums, and seven partially-filled drums containing unidentified wastes.	Sampling of drum contents (Weston, 1998)	Drums were removed	No soil or groundwater sampling; however, a release from the drums does not appear to have occurred
12	Discharge pipes (to Harbor Brook)	East of Building A along Harbor Brook	Pipes formerly discharged wastewater from Building A to Harbor Brook.	Limited sediment and surface water sampling (Weston, 1998) is available.	None reported	The existing data indicates that the sediment can be dredged and stockpiled. Dredged sediment will need some additional characterization following dredging.
13	Dry well	Southeast of Building B	Unknown materials may have been disposed of via the dry well.	Soil and groundwater sampling conducted at MW-14 (Weston, 1998)	None reported	No comprehensive soil or groundwater sampling has been performed in vicinity of dry well; however, a significant release does not appear to have occurred
14	Dust piles	East of Building A under dust collectors	Piles of dust generated from facility's former silver polishing dust collection system.	Sampling of dust pile contents	Dust collectors cleaned and dust piles removed in 2005. Top 2 ft of soil beneath dust collectors removed in 2005. Excavations were backfilled with stone.	Contaminated soil beneath 2 ft bgs has not been fully characterized.
15	Debris piles	East of Harbor Brook and southwest corner of property	Several piles of earthen material, scrap, and debris.	None	Debris piles removed in 2005.	No soil sampling has been performed for this AOC
16	Debris pile- glass slides	Southwest side of Building A	Pile of medical glass slides near the building dock of Building A.	None	None reported	No characterization data has been collected
17	Contaminated soil	Northeast corner of property in vicinity of former Building D	Approximately 5,600 ft ² of chlorinated solvent contaminated soil (to a depth of at least 15 ft below ground surface).	Soil and groundwater sampling and soil gas survey (Weston, 1998)	None reported	Source has not been adequately defined.
18	Contaminated soil	Area adjacent to Building C	15 ft ² of fuel oil stained soil.	None	Oil stained soil removed in 2005	No soil sampling has been performed for this AOC

TABLE 1
Summary of Areas of Concern
International Silver Company, Factory H
Meriden, Connecticut
Metcalfe & Eddy, Inc.

No.	Area of Concern	Location	Description	Available Data	Completed Remedial Actions	Data Gaps
19	Contaminated soil	Under dust piles east of Building A.	1,600 ft ² of green stained soils contaminated with metals from overlying dust piles.	Soil sampling data (Weston, 1998; GZA, 2000; and CTDEP (2005))	Top 2 ft of soil beneath and in vicinity of dust collectors removed in 2005.	Contaminated soil and groundwater beneath 2 ft bgs has not been fully characterized.
20	Contaminated wood floor	South end of Building A	30 ft ² of oil stained wooden floor.	None	None reported	Wood floor has not been characterized
21	Stained concrete	North end of Building A	40 ft ² of stained concrete floor.	None	None reported	Stained concrete has not been characterized
22	Asbestos debris pile	Adjacent to smoke stack south of Building C	10 ft ² of deteriorated insulation material, possibly asbestos-containing material.	None	Debris pile removed.	No soil sampling has been performed for this AOC; however, complete removal of pile was confirmed through visual observation.
23	Stained soil	East of Building A	10 ft ² of paint stains.	Soil sampling data (Weston, 1998; GZA, 2000; and CTDEP (2005))	Top 2 ft of soil beneath and in vicinity of dust collectors removed in 2005.	None
24	Possible UST	West side of former Building D	Possible UST identified by ICF Kaiser Engineers	Soil gas survey and groundwater sampling data at MW-7, a nearby well (Weston, 1998)	None reported	No comprehensive soil or groundwater sampling has been performed in vicinity of UST.
25	Contaminated groundwater (various areas)	Various portions of property	Groundwater contaminated with chlorinated solvents have been documented in various portions of site.	Groundwater sampling data (Weston, 1998; Milone & MacBroom; GZA, 2000)	None reported	See AOCs 1, 2, 3, 5, 6, 13, 17, 19, 24, and 30.
26	Contaminated surface water and sediments	Harbor Brook	Process wastewater is known to have been discharged to Harbor Brook	Limited sediment and surface water sampling (Weston, 1998) is available.	None reported	The existing data indicates that the sediment can be dredged and stockpiled. Dredged sediment will need some additional characterization following dredging.
27	Asbestos containing materials	Throughout building interiors	Asbestos-containing pipe insulation, floor tiles and roof shingles have been identified in on-site buildings	N/A	N/A	N/A
28	Lead paint	Throughout building interiors	Peeling paint noted in on-site buildings.	N/A	N/A	N/A
29	Fluorescent light ballasts	Throughout building interiors	Fluorescent light ballasts may contain hazardous metals and PCBs.	N/A	N/A	N/A

TABLE 1
Summary of Areas of Concern
International Silver Company, Factory H
Meriden, Connecticut
Metcalfe & Eddy, Inc.

No.	Area of Concern	Location	Description	Available Data	Completed Remedial Actions	Data Gaps
30	Louie's Auto shop (55 Cooper St.)	Down-gradient of Louie's Auto.	Louie's Auto shop may be an upgradient source of groundwater contamination.	None	None reported	The groundwater down-gradient of Louie's Auto shop has not been characterized. Suspected flow direction is southeast and is not anticipated to significantly impact the Site.
31	Site-wide surficial soils	Throughout site.	Site-wide soil may need to be managed as part of site redevelopment activities.	Limited surficial soil data is available.	In vicinity of dust collectors	Comprehensive characterization of site-wide surficial soils has not been conducted.
32	Building B-transformer/electrical house	In building interior.	Electrical transformers located in building may contain PCBs.	None	None reported	The interior of Building B has not been adequately characterized.
SA-A	Stabilization Area A Smokestack Removed	No further action proposed for this AOC				
SA-B	Stabilization Area B Contaminated Soil Piles Removed (AOC-15)	Between former smokestack and 10,000 gal. UST	Location of former contaminated soil piles, which were comprised of street sweepings, pavement, concrete, stumps, etc.	No soil or groundwater data is available	Piles removed	No soil sampling has been performed for this AOC
SA-C	Stabilization Area C Asphalt Piles Removed	East of Stabilization Area B	Location of former asphalt piles	No soil or groundwater data is available	Piles removed	No soil sampling has been performed for this AOC
SA-D	Stabilization Area D Asbestos-Impacted Soil Removed	Underneath former elevated heat transfer line	Asbestos-impacted soils	Limited soil sampling data is available	Visually impacted soil removed	No confirmatory soil sampling has been performed for this AOC
SA-E	Stabilization Area E Metal-Impacted Soil Removed	Underneath former elevated heat transfer line and west of former smokestack	Metal dust-impacted soil	Limited soil sampling data is available	Visually impacted soil removed	No comprehensive or confirmatory soil sampling has been performed for this AOC
SA-F	Stabilization Area F Impacted Soil Stockpile Staging Area #1	Located along eastern site boundary	Staging area during 2005 stabilization activities. Materials were staged on plastic sheeting.	No soil or groundwater data is available	Stockpile removed in 2005.	Quality of surficial soil is not known in this area. These samples may be utilized as part of the evaluation of site-wide soils.
SA-G	Stabilization Area G 10,000-gal. Waste Water UST Removed (AOC-3)	See AOC-3				

TABLE 1
Summary of Areas of Concern
International Silver Company, Factory H
Meriden, Connecticut
Metcaf & Eddy, Inc.

No.	Area of Concern	Location	Description	Available Data	Completed Remedial Actions	Data Gaps
SA-H	Stabilization Area H Metal-Impacted Soil Removed	Adjacent to and north of 10,000-gal. waste water UST	Metal dust-impacted soil	Limited soil data is available	Visually impacted soil removed	No comprehensive or confirmatory soil sampling has been performed for this AOC
SA-I	Stabilization Area I Impacted Soil Stockpile Staging Area #2 (Part of AOC-15)	Located along eastern site boundary	Staging area during 2005 stabilization activities. Materials were staged on plastic sheeting. However, AOC-15 was also located in this area.	No soil or groundwater data is available	Stockpile removed in 2005.	Quality of surficial soil is not known in this area. These samples may be utilized as part of the evaluation of site-wide soils.
SA-J	Stabilization Area J 275 Gal. Gasoline UST Removed (AOC-4)			See AOC-4		
SA-K	Stabilization Area K Oil-Stained Soil Removed (AOC-18)			See AOC-18		
SA-L	Stabilization Area L 2x20,000-gal. #6 Oil Tanks Cleaned (AOC-1)			See AOC-1		
SA-M	Stabilization Area M Impacted-Soil and Fire Debris Pile Removed (AOC-15)	In location of former Building D	Pile of impacted soil and fire debris	No soil or groundwater data is available	Visually impacted soil and debris pile removed	No comprehensive or confirmatory soil sampling has been performed for this AOC
SA-N	Stabilization Area N Building "C" Asbestos and Lead Abatement Work	At Building C	Removal of lead- and asbestos-containing materials	No surficial soil data for soil in vicinity of building is available	Lead and asbestos abated in building	No soil sampling has been performed for this AOC
SA-O	Stabilization Area O Impacted-Soil and Debris Pile Removed	Just southeast of footbridge	Pile of impacted soil and debris	No soil or groundwater data is available	Visually impacted soil and debris pile removed	No comprehensive or confirmatory soil sampling has been performed for this AOC
SA-P	Stabilization Area P Asbestos Roof Removed from UST Bunker	At UST bunker located adjacent to Building C	Removal of asbestos-containing materials	No surficial soil data for soil in vicinity of building is available	Asbestos abated	No soil sampling has been performed for this AOC
SA-Q	Stabilization Area Q Building "B" Asbestos and Lead Abatement Work	At Building B	Removal of lead- and asbestos-containing materials	No visual impacts were observed.	Surficial soil removed on western side of building	None - eastern side of building is concrete bridge.
SA-R	Stabilization Area R Metals-Impacted Soils Removed and Stone Cover Installed (AOC-14, 19)			See AOCs-14 and -19		

TABLE 1
Summary of Areas of Concern
International Silver Company, Factory H
Meriden, Connecticut
Metcalf & Eddy, Inc.

No.	Area of Concern	Location	Description	Available Data	Completed Remedial Actions	Data Gaps
SA-S	Stabilization Area S Sump Cleaned of Metal-Impacted Sludge	Adjacent to Building A near Building B	Depression in soil that contained metal-impacted sludge	Soil sampling data is available.	Metal-impacted sludge removed	No groundwater data is available
SA-T	Stabilization Area T Building "A" 2nd & 3rd Floor Asbestos Abatement Work - Address other Portions of Building	At Building A	Removal of asbestos-containing materials	No surficial soil data for soil in vicinity of building is available	Asbestos abated in building	Limited sampling has been conducted for this AOC.
SA-U	Stabilization Area U 1,000-gal. Heating Oil UST Cleaned (AOC-5)			See AOC-5		
SA-V	Stabilization Area V UST Grave Found (No UST) (AOC-5)			See AOC-5		
SA-W	Stabilization Area W Empty Concrete Vault Found (AOC-2)			See AOC-2		

Notes:

SA = CTDEP stabilization area
UST = underground storage tank.
AST = aboveground storage tank.
ft² = square feet.
PCBs = polychlorinated biphenyls.
N/A = not applicable.

TABLE 2 - Analytical Summary
International Silver Company, Factory H
Meriden, Connecticut
Metcalf & Eddy, Inc.

	Surficial Soil Samples			Soil Borings			Groundwater		TOTAL		QA/QC SAMPLES				
	NUMBER OF LOCATIONS (*)	NUMBER OF TOTALS SAMPLES (1)	NUMBER OF SPLP SAMPLES (1)	NUMBER OF LOCATIONS (*)	NUMBER OF TOTALS SAMPLES (1)	NUMBER OF SPLP SAMPLES (1)	NUMBER OF LOCATIONS (*)	NUMBER OF SAMPLES (1)	NUMBER OF LOCATIONS (*)	NUMBER OF SAMPLES (1)	TRIP BLANKS (2)	EQUIPMENT BLANKS (3)	FIELD DUPLICATES (4)	MS/MSD	TOTAL
Soil Direct Exposure Evaluation															
Polynuclear Aromatic Hydrocarbons (EPA 8270c) (5)	11	11	4	18	36	12			29	63	0	4	4	4	75
VOCs & MTBE (EPA 8260b)	16	16	0	25	50	0			41	66	4	4	4	4	82
Cyanide (EPA 9010)	0	0	0	1	2	0			1	2	0	1	1	4	8
ETPH (CTETPH)	15	15	0	24	48	0			39	63	0	3	3	4	73
Asbestos	8	8	0	0	0	0			8	8	0	2	2	2	14
Total CTDEP 15 Metals (EPA 6000/7000) - arsenic and thallium by graphite furnace	12	12	4	19	38	12			31	66	0	4	4	4	78
Lead (EPA 6000)	8	8	2	0	0	0			8	10	0	1	1	1	13
Groundwater Evaluation															
Polynuclear Aromatic Hydrocarbons (8270c) (5)							7	7	7	7	0	1	1	1	10
VOCs & MTBE (EPA 8260b)							10	10	10	10	1	1	1	1	14
Cyanide (EPA 9010)							3	3	3	3	0	1	1	1	6
ETPH (CTETPH)							9	9	9	9	0	1	1	1	12
Total CTDEP 15 Metals (EPA 6000/7000)							8	8	8	8	0	1	1	1	11

Notes:

1. The actual number of samples submitted for laboratory analysis may vary based on field conditions. Assume 30% of collected samples will be submitted for SPLP analysis.
2. Trip blanks will be submitted with each batch of samples for volatile organic analysis. Generally, one per day.
3. Equipment blanks will be submitted 1 per 20 samples.
4. Field duplicates will be submitted 1 per 20 samples.
5. A silica gel cleanup and selected ion monitoring (SIM) mode will be utilized for PAH analysis, where appropriate.

P:\60004878 (Factory H)\Phase II and III\Tables\Table 2.xls\Analytical Summary Table

**TABLE 3 - DRAFT
GROUNDWATER AND SURFACEWATER LEVELS
FACTORY H PHASE II/III ENVIRONMENTAL SITE ASSESSMENT
MERIDEN, CONNECTICUT
METCALF AND EDDY, INC.**

	MW-1	MW-3	MW-8	MW-10	MW-11	MW-12	MW-13	MW-14	AOC-3	AOC-11	AOC-15	AOC-19	AOC-24	AOC-30	MW-100	MW-101	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107	Cooper St	Cooper St	Footbridge	Footbridge
Date measured	5/10/2006	5/10/2006	5/10/2006	5/10/2006	5/10/2006	5/10/2006	5/10/2006	5/10/2006	5/10/2006	5/10/2006	5/10/2006	5/10/2006	5/10/2006	5/10/2006	11/29/2006	11/29/2006	11/29/2006	11/29/2006	11/29/2006	11/29/2006	11/29/2006	11/29/2006	11/22/2006	11/30/2006	11/22/2006	11/30/2006
Reference Elevation	150.02	142.16	140.69	146.35	143.71	143.2	141.09	138.82	142.72	140.29	139.98	142.84	139.21	140.85	150.04	149.94	148.68	147.93	146.36	144.8	143.19	142.59	145.01	145.01	142.07	142.07
Depth for water	13.71	9.79	8.34	12.11	8.34	8.74	7.24	6.25	10.41	9.2	7.06	10.25	3.98	9.55	15.08	15.03	13.97	13.23	11.85	10.47	9.54	10.08	13.75	13.7	9.58	9.5
Water elevation	136.31	132.37	132.35	134.24	135.37	134.46	133.85	132.57	132.31	131.09	132.92	132.59	135.23	131.3	134.96	134.91	134.71	134.7	134.51	134.33	133.65	132.51	131.26	131.31	132.49	132.57

Notes: Groundwater measurements referenced from top of well pipe riser; surface water from bridge surface

Table 4
Analytical Summary - Soil Samples
International Silver Company, Factory H
Meriden, Connecticut
Metcalf Eddy, Inc.
March 2007

Parameter	RSR DEC			AOC-1												AOC-2																	
	I/C DEC	R DEC	GB PMC	AOC-1-SB1 4-6			AOC-1-SB1 6-6			AOC-1-SB2 2-4			AOC-1-SB2 8-10			AOC-1-SB2 10-12			AOC-1-SB3 0-2			AOC-1-SB3 10-12			AOC-2-SS1			AOC-2-SB1 5.5-6			AOC-2-SB1 6-8		
Sampling Date				3/29/06			3/29/06			3/31/06			3/31/06			3/31/06			3/29/06			3/29/06			3/29/06			3/29/06			3/31/06		
Sample Depth (feet)				4-6			6			2-4			8-10			10-12			0-2			10-12			0-0.5			5.5-6			6-8		
Laboratory Report Number				LIMS-96358, LIMS-96662			LIMS-96358, LIMS-96662			LIMS-96388, LIMS-96698			LIMS-96388			LIMS-96388			LIMS-96358, LIMS-96679, LIMS-			LIMS-96359			LIMS-96358, LIMS-96679, LIMS-			LIMS-96358			LIMS-96388, LIMS-96698		
VOCs - MASS																																	
8260 dry weight (mg/kg dry wt)																																	
Acrylonitrile	11	1.1	0.10	<0.020*			<0.040*		UJ	<0.023*			<4.7*			<0.019*			<0.017*			<0.018*			<0.012*			<0.021*			<3.7*		
tert-Amyl methyl Ether	~	~	~	<0.001			<0.002		UJ	<0.001			<0.001			<0.001			<0.001			<0.001			<0.001			<0.001			<0.002		
Benzene	200	21	0.20	<0.002			<0.004		UJ	<0.002			<0.47*			<0.002			0.008			<0.002			<0.001			<0.003			<0.37*		
Bromochloromethane	92	9.9	0.11	<0.002			<0.004		UJ	<0.002			<0.47*			<0.002			<0.002			<0.002			<0.001			<0.003			<0.37*		
Bromomethane	1,000	95	2.0	<0.010			<0.020		UJ	<0.012			<2.4*			<0.010			<0.009			<0.009			<0.006			<0.011			<0.37*		
n-Butylbenzene	1,000	500	14	<0.002			<0.004		UJ	<0.002			<0.47			<0.002			<0.002			<0.002			<0.001			<0.001			0.049		J
sec-Butylbenzene	1,000	500	14	<0.002			<0.004		UJ	<0.002			<0.47			0.003			<0.002			<0.002			<0.001			0.022			9.1		J
tert-Butylbenzene	1,000	500	14	<0.002			<0.004		UJ	<0.002			<0.47			<0.002			<0.002			<0.002			<0.001			0.006			0.83		
Carbon Tetrachloride	44	4.7	1.0	<0.002			<0.004		UJ	<0.002			<0.47			<0.002			<0.002			<0.002			<0.001			<0.003			<0.37*		
Chlorodibromomethane	68	7.3	0.10	<0.001			<0.002		UJ	<0.001			<0.24*			<0.001			<0.001			<0.001			<0.001			<0.002			<0.19*		
Chloroform	940	100	1.2	<0.004			<0.008		UJ	<0.005			<0.004			<0.004			<0.004			<0.004			<0.005			<0.005			<0.73		
Chloromethane	440	47	0.54	<0.010			<0.020		UJ	<0.012			<2.4*			<0.010			<0.009			<0.009			<0.006			<0.011			<1.9*		UJ
1,2-Dibromo-3-Chloropropane	4.1	0.44	~	<0.002			<0.004		UJ	<0.002			<0.47*			<0.002			<0.002			<0.002			<0.001			<0.003			<0.37		
1,2-Dibromoethane	0.067	0.007	~	<0.001			<0.002		UJ	<0.001			<0.24*			<0.001			<0.001			<0.001			<0.001			<0.002			<0.19*		
cis-1,2-Dichloroethylene	1,000	500	14	<0.002			0.017		J	0.002			0.80			0.031			<0.002			<0.002			<0.001			<0.003			0.71		
1,2-Dichloropropane	84	9.0	1.0	<0.002			<0.004		UJ	<0.002			<0.47			<0.002			<0.002			<0.002			<0.001			<0.003			<0.37		
1,3-Dichloropropane	~	~	0.1	<0.001			<0.002		UJ	<0.001			<0.24			<0.001			<0.001			<0.001			<0.001			<0.002			<0.19		
Ethyl Benzene	1,000	500	10	<0.002			<0.004		UJ	<0.002			<0.47			<0.002			<0.002			<0.002			<0.001			0.002			2.4		J
Isopropylbenzene	1,000	500	130	<0.002			<0.004		UJ	<0.002			<0.47			<0.002			<0.002			<0.002			<0.001			0.007			3.5		J
p-Isopropyltoluene	1,000	500	14	<0.002			<0.004		UJ	<0.002			<0.47			<0.002			<0.002			<0.002			<0.001			0.013			15		
Methylene Chloride	760	82	1.0	<0.020			<0.040		UJ	<0.023			<4.7*			0.029			<0.018			<0.012			<0.021			<3.7*					
Naphthalene	2,500	1,000	56	<0.010			<0.020		UJ	<0.012			<2.4			<0.010			0.023			<0.009			<0.011			<0.006			21		J
n-Propylbenzene	1,000	500	14	<0.002			<0.004		UJ	<0.002			<0.47			<0.002			<0.002			<0.002			<0.001			0.008			5.6		J
1,1,1,2-Tetrachloroethane	220	24	0.20	<0.002			<0.004		UJ	<0.002			<0.47*			<0.002			<0.002			<0.002			<0.001			<0.003			<0.37*		
1,1,2,2-Tetrachloroethane	29	3.1	0.10	<0.001			<0.002		UJ	<0.001			<0.24*			<0.001			<0.001			<0.001			<0.001			<0.002			<0.19*		
Tetrachloroethylene	110	12	1.0	0.024		J	11		J	0.003			0.63			0.002		J	0.002		J	<0.002			<0.001			<0.003			<0.37		
Toluene	1,000	500	67	<0.002			<0.004		UJ	<0.002			<0.47			<0.002			0.002			<0.002			<0.001			<0.003			0.65		
Trichloroethylene	520	56	1.0	0.010			8.6		J	0.027			<0.47			0.005			<0.002			<0.002			<0.001			0.035			<0.37		
1,2,4-Trimethylbenzene	1,000	500	70	<0.002			<0.004		UJ	<0.002			<0.47			<0.002			0.003			<0.002			<0.001			0.086			37		J
1,3,5-Trimethylbenzene	1,000	500	70	<0.002			<0.004		UJ	<0.002			<0.47			<0.002			<0.002			<0.002			<0.001			0.093			17		
Vinyl Chloride	3.0	0.32	0.40	<0.010			<0.020		UJ	<0.012			<2.4*			<0.010			<0.009			<0.009			<0.011			<0.011			<1.9*		J
m + p Xylene	1,000	500	20	<0.004			<0.008		UJ	<0.005			<0.94			<0.004			<0.004			<0.004			<0.002			0.007			5.0		J
o-Xylene	1,000	500	20	<0.002			<0.004		UJ	<0.002			<0.47			<0.002			<0.002			<0.002			<0.001			0.005			3.1		
VOCs - (self-implementing)																																	
spic 8260 (ug/l)																																	
Acetone	~	~	7000	NT			<5.0		NT	NT			NT			NT			NT			NT			NT			NT			15.6		
n-Butylbenzene	~	~	610	NT			<0.5		NT	NT			NT			NT			NT			NT			NT			NT			12.7		
tert-Butylbenzene	~	~	610	NT			<0.5		NT	NT			NT			NT			NT			NT			NT			NT			1.8		
Carbon Disulfide	~	~	7000	NT			<0.5		NT	NT			NT			NT			NT			NT			NT			NT			0.9		
cis-1,2-Dichloroethylene	~	~	700	NT			0.9		NT	NT			NT			NT			NT			NT			NT			NT			<0.5		
p-Isopropyltoluene	~	~	700	NT			<0.5		NT	NT			NT			NT			NT			NT			NT			NT			7.7		
Methylene Chloride	~	~	50	NT			18.1		NT	NT			NT			NT			NT			NT			NT			NT			9.7		
Naphthalene	~	~	2800	NT			<2.0		NT	NT			NT			NT			NT			NT			NT			NT			4.1		
Tetrachloroethylene	~	~	50	NT			15.8		NT	NT			NT			NT			NT			NT			NT			NT			<0.5		
Trichloroethylene	~	~	50	NT			10.5		NT	NT			NT			NT			NT			NT			NT			NT			<0.5		
1,2,4-Trimethylbenzene	~	~	3500	NT			<0.5		NT	NT			NT			NT			NT			NT			NT			NT			1.2		
1,3,5-Trimethylbenzene	~	~	3500	NT			<0.5		NT	NT			NT			NT			NT			NT			NT			NT			59.4		
Vinyl Chloride	~	~	20	NT			<0.5		NT	NT			NT			NT			NT			NT			NT			NT			0.8		
o-Xylene	~	~	5300	NT			<0.5		NT	NT			NT			NT			NT			NT			NT			NT			8.6		
METALS - TOTAL (mg/kg)																																	
ag (mg/kg)dw icp (mg/kg dry wt)																																	
Silver	10,000	340	7.20	NT			NT</																										

Table 4
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International Silver Company, Factory H
Meriden, Connecticut
Metcalf Eddy, Inc.
March 2007

Parameter	RSR DEC			AOC-1									AOC-2		
	I/C DEC	R DEC	GB PMC	AOC-1 SB1 4-6	AOC-1-SB1 6-6	AOC-1-SB2 2-4	AOC-1-SB2 8-10	AOC-1-SB2 10-12	AOC-1-SB3 0-2	AOC-1-SB3 10-12	AOC-2-SS1	AOC-2-SB1 5.5-6	AOC-2-SB1 6-8		
Sampling Date				3/29/06	3/29/06	3/31/06	3/31/06	3/31/06	3/29/06	3/29/06	3/29/06	3/29/06	3/31/06		
Sample Depth (feet)				4-6	6	2-4	6-10	10-12	0-2	10-12	0-0.5	5.5-6	6-8		
Laboratory Report Number				LIMS-96358, LIMS-96662	LIMS-96358, LIMS-96662	LIMS-96388, LIMS-96698	LIMS-96388	LIMS-96388	LIMS-96358, LIMS-96679, LIMS-	LIMS-96359	LIMS-96358, LIMS-96679, LIMS-	LIMS-96358	LIMS-96388, LIMS-96698		
METALS - (SPLP)															
<i>spip - beryllium (mg/l)</i>															
Beryllium	~	~	0.04	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
<i>spip - cd low (mg/l leachate)</i>															
Cadmium	~	~	0.05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
<i>spip - chromium (mg/l leachate)</i>															
Chromium	~	~	0.50	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
<i>spip - copper (mg/l leachate)</i>															
Copper	~	~	13.00	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
<i>spip - lead icp (mg/l leachate)</i>															
Lead	~	~	0.15	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
<i>spip - nickel (mg/l leachate)</i>															
Nickel	~	~	1.00	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
<i>spip - sb furn (mg/l)</i>															
Antimony	~	~	0.06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
<i>spip - silver (mg/l leachate)</i>															
Silver	~	~	0.36	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
<i>spip - tl furn (mg/l)</i>															
Thallium	~	~	0.05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
<i>spip - vanadium (mg/l leachate)</i>															
Vanadium	~	~	0.50	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
<i>spip barium icp (mg/l leachate)</i>															
Barium	~	~	10.00	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
<i>spip mercury (mg/l leachate)</i>															
Mercury	~	~	0.02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
PAHs - MASS															
<i>pah - sludge (mg/kg dry wt)</i>															
Acenaphthene	2,500	1,000	84	<3.63	<0.26	<0.20	<6.11	<0.40	22.9	<0.20	<1.81	<0.21	<1.07		
Acenaphthylene	2,500	1,000	84	3.96	<0.26	1.11	<6.11	<0.40	6.28	<0.20	3.59	<0.21	<1.07		
Anthracene	2,500	1,000	400	10.7	<0.26	1.42	<6.11	<0.40	67.4	<0.20	6.24	0.24	<1.07		
Benzo(a)anthracene	7.80	1.00	1	36.0	<0.26	7.74	<6.11*	<0.40	56.9	<0.20	21.6	1.34	<1.07*		
Benzo(a)pyrene	1.00	1.00	1	21.3	<0.26	7.08	<6.11*	<0.40	43.3	<0.20	15.3	1.32	<1.07*		
Benzo(b)fluoranthene	7.80	1.00	1	26.7	0.28	2.49	<6.11*	<0.40	56.2	<0.20	23.7	1.71	<1.07*		
Benzo(g,h,i)perylene	2,500	1,000	42	10.9	<0.26	2.27	<6.11	<0.40	20.5	<0.20	9.49	0.76	<1.07*		
Benzo(k)fluoranthene	78.0	8.40	1	8.36	<0.26	2.19	<6.11*	<0.40	19.4	<0.20	9.69	0.63	<1.07*		
Chrysene	780	84.0	1	33.0	<0.26	8.21	<6.11*	<0.40	52.6	<0.20	23.1	1.32	<1.07*		
Dibenz(a,h)anthracene	1.00	1.00	1	<3.63*	<0.26	0.85	<6.11*	<0.40	7.32	<0.20	3.43	0.26	<1.07*		
Fluoranthene	2,500	1,000	56	30.6	0.54	16.7	<6.11	0.45	226	<0.20	35.5	1.82	<1.07		
Fluorene	2,500	1,000	56	<3.63	<0.26	0.46	<6.11	<0.40	37.3	<0.20	1.85	0.21	<1.07		
Indeno(1,2,3-cd)pyrene	7.80	1.00	1	13.4	<0.26	2.96	<6.11*	<0.40	24.3	<0.20	10.3	0.86	<1.07*		
2-Methylnaphthalene	2,500	474	9.8	<3.63	<0.26	0.21	<6.11	<0.40	23.7	<0.20	<1.81	1.12	3.36		
Naphthalene	2,500	1,000	56	3.79	<0.26	0.58	<6.11	<0.40	38.7	<0.20	<1.81	0.56	2.03		
Phenanthrene	2,500	1,000	40	24.8	<0.26	8.91	<6.11	<0.40	286	<0.20	25.0	0.71	<1.07		
Pyrene	2,500	1,000	40	69.2	0.46	15.7	<6.11	0.58	197	<0.20	41.3	1.86	<1.07		
PAHs - (self-implementing)															
<i>spip - pah (ug/l)</i>			GWPC X 10												
Acenaphthene	~	~	4200	<0.30	NT	<0.30	NT	NT	50.2	NT	1.00	NT	NT		
Acenaphthylene	~	~	4200	<0.30	NT	<0.30	NT	NT	1.82	NT	0.51	NT	NT		
Anthracene	~	~	20000	<0.20	NT	<0.20	NT	NT	13.6	NT	10.5	NT	NT		
Benzo(a)anthracene	~	~	0.6	<0.050	NT	0.260	NT	NT	<0.050	NT	0.460	NT	NT		
Benzo(a)pyrene	~	~	2.0	<0.100	NT	0.270	NT	NT	<0.100	NT	<0.100	NT	NT		
Benzo(b)fluoranthene	~	~	0.8	<0.050	NT	0.260	NT	NT	<0.050	NT	<0.050	NT	NT		
Benzo(g,h,i)perylene	~	~	2100	<0.500	NT	<0.500	NT	NT	<0.500	NT	<0.500	NT	NT		
Benzo(k)fluoranthene	~	~	5.0	<0.200	NT	0.320	NT	NT	<0.200	NT	<0.200	NT	NT		
Chrysene	~	~	48	<0.20	NT	0.32	NT	NT	<0.20	NT	0.53	NT	NT		
Dibenz(a,h)anthracene	~	~	5.0	<0.500	NT	<0.500	NT	NT	<0.500	NT	<0.500	NT	NT		
Fluoranthene	~	~	2800	<0.50	NT	<0.50	NT	NT	13.2	NT	6.24	NT	NT		
Fluorene	~	~	2800	<1.00	NT	<1.00	NT	NT	53.9	NT	1.18	NT	NT		
Indeno(1,2,3-cd)pyrene	~	~	5.0	<0.500	NT	<0.500	NT	NT	<0.500	NT	<0.500	NT	NT		
2-Methylnaphthalene	~	~	49	<1.00	NT	<1.00	NT	NT	8.44	NT	<1.00	NT	NT		
Naphthalene	~	~	2800	<1.00	NT	<1.00	NT	NT	<1.00	NT	<1.00	NT	NT		
Phenanthrene	~	~	2000	<0.10	NT	<0.10	NT	NT	72.7	NT	10.5	NT	NT		
Pyrene	~	~	2000	<1.00	NT	<1.00	NT	NT	7.36	NT	3.45	NT	NT		
Method 600/R-93/116															
Asbestos	~	~	~	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
<i>cyanide-tot sldg (mg/kg dry wt)</i>															
Cyanide - None detected	41000	1400	~	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
<i>etph dry weight (mg/kg dry weight)</i>															
Extractable TPH (ETPH)	2,500	500	2500	440	18	J	180	4,000	330	1,900	<12	930	290	5,300	
<i>solids (percent) (%)</i>															
Solids, total	~	~	~	91.9	64.9		84.4	68.3	83.6	87.8	83.5	92.5	80.0	78.0	

- Notes:**
1. An asterisk (*) following a detection limit indicates that the minimum laboratory reporting limit exceeds one or more of the regulatory criteria.
 2. NT = Not tested.
 3. ND = Not detected above the laboratory reporting limit
 4. ~ = No Standard available
 5. RSR criteria are in same units as analyte.
 6. ** indicates a concentrations which would be considered hazardous based on toxicity
 7. Bold cell borders indicate a GB PMC and/or GB PMC X 20 exceedance
 8. Shaded cells indicate a R DEC and/or I/C DEC exceedance
 9. J = the associated value is an estimated quantity. The reported result is qualitatively accurate but quantitatively
 10. UJ = the compound was analyzed for, but was not detected, and the associated value is an estimated value due to the variance from quality

Table 4
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International Silver Company, Factory H
Meriden, Connecticut
Metcalf Eddy, Inc.
March 2007

Parameter	RSR DEC			AOC-3		AOC-5		AOC-5		AOC-5		AOC-RB1		AOC-RB2		AOC-10	
	IC DEC	R DEC	GB PMC	AOC-3-SB/MW01 2-4	AOC-3-SB/MW01 6-8	AOC-5-S51	AOC-5-SB1 2-4	AOC-5-SB1 10-12	AOC-5-SB2 2-4	AOC-5-SB2 9-11	AOC-RB1 2-4	AOC-RB2 2-4	AOC10-S5-1	AOC10-S5-2MS/MSD			
Sampling Date				3/30/06	3/30/06	3/29/06	3/29/06	3/31/06	3/29/06	3/31/06	3/31/06	3/31/06	3/31/06	3/31/06	3/31/06	3/31/06	3/31/06
Sample Depth (feet)				2-4	6-8	0-0.5	2-4	10-12	2-4	9-11	2-4	2-4	0-0.5	0-0.5			
Laboratory Report Number				LIMS-96357, LIMS-96668	LIMS-96357	LIMS-96358	LIMS-96358	LIMS-96388	LIMS-96358, LIMS-96679, LIMS-	LIMS-96392	LIMS-96388	LIMS-96388	LIMS-96392	LIMS-96392	LIMS-96392	LIMS-96392	LIMS-96392
VOCs - MASS																	
8260 dry weight (mg/kg dry wt)																	
Acrylonitrile	11	1.1	0.10	<0.015*	<0.015*	<0.020*	<0.015*	<0.016*	<0.011*	<3.2*	<0.024*	<0.013*	NT	NT			
tert-Amyl methyl Ether	~	~	~	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.16	<0.002	<0.001	NT	NT			
Benzene	200	21	0.20	<0.002	<0.002	<0.002	<0.002	0.002	<0.002	<0.32*	<0.003	<0.001	NT	NT			
Bromodichloromethane	92	9.9	0.11	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.32*	<0.003	<0.001	NT	NT			
Bromomethane	1,000	95	2.0	<0.008	<0.010	<0.010	<0.008	<0.008	<0.006	<1.6	<0.012	<0.006	NT	NT			
n-Butylbenzene	1,000	500	14	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	1.2	<0.003	<0.001	NT	NT			
sec-Butylbenzene	1,000	500	14	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	1.3	<0.003	<0.001	NT	NT			
tert-Butylbenzene	1,000	500	14	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.32	<0.003	<0.001	NT	NT			
Carbon Tetrachloride	44	4.7	1.0	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.32	<0.003	<0.001	NT	NT			
Chlorodibromomethane	68	7.3	1.0	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.16*	<0.002	<0.001	NT	NT			
Chloroform	940	100	1.2	<0.003	<0.004	<0.004	<0.003	<0.003	<0.003	<0.64	<0.005	<0.003	NT	NT			
Chloromethane	440	47	0.54	<0.008	<0.010	<0.010	<0.008	<0.008	<0.006	<1.6*	<0.012	<0.006	NT	NT			
1,2-Dibromo-3-Chloropropane	4.1	0.44	~	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.32	<0.003	<0.001	NT	NT			
1,2-Dibromoethane	0.067	0.007	~	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.16*	<0.002	<0.001	NT	NT			
cis-1,2-Dichloroethylene	1,000	500	14	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.32	<0.003	<0.001	NT	NT			
1,2-Dichloropropane	84	9.0	1.0	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.32	<0.003	<0.001	NT	NT			
1,3-Dichloropropane	~	~	0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.16	<0.002	<0.001	NT	NT			
Ethyl Benzene	1,000	500	10	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.32	<0.003	<0.001	NT	NT			
Isopropylbenzene	1,000	500	130	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.32	<0.003	<0.001	NT	NT			
p-Isopropyltoluene	1,000	500	14	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.32	<0.003	<0.001	NT	NT			
Methylene Chloride	760	82	1.0	<0.015	<0.019	<0.020	<0.015	<0.016	<0.011	<3.2*	<0.024	<0.013	NT	NT			
Naphthalene	2,500	1,000	56	<0.008	<0.010	<0.010	<0.008	<0.008	<0.006	<1.6	<0.012	<0.006	NT	NT			
n-Propylbenzene	1,000	500	14	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.37	<0.003	<0.001	NT	NT			
1,1,1,2-Tetrachloroethane	220	24	0.20	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.32*	<0.003	<0.001	NT	NT			
1,1,2,2-Tetrachloroethane	29	3.1	0.10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.16*	<0.002	<0.001	NT	NT			
Tetrachloroethylene	110	12	1.0	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.32	<0.003	<0.001	NT	NT			
Toluene	1,000	500	67	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.32	<0.003	<0.001	NT	NT			
Trichloroethylene	520	56	1.0	<0.002	<0.002	<0.002	<0.002	0.002	0.002	<0.32	<0.003	0.003	NT	NT			
1,2,4-Trimethylbenzene	1,000	500	70	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.32	<0.003	<0.001	NT	NT			
1,3,5-Trimethylbenzene	1,000	500	70	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.32	<0.003	<0.001	NT	NT			
Vinyl Chloride	3.0	0.32	0.40	<0.008	<0.010	<0.010	<0.008	<0.008	<0.006	<1.6*	<0.012	<0.006	NT	NT			
m + p Xylene	1,000	500	20	<0.003	<0.004	<0.004	<0.003	<0.003	<0.003	<0.64	<0.005	<0.003	NT	NT			
p-Xylene	1,000	500	20	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.32	<0.003	<0.001	NT	NT			
VOCs - (self-implementing)																	
sp/p 8260 (ug/l)																	
Acetone	~	~	7000	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT			
n-Butylbenzene	~	~	610	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT			
tert-Butylbenzene	~	~	610	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT			
Carbon Disulfide	~	~	7000	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT			
cis-1,2-Dichloroethylene	~	~	700	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT			
p-Isopropyltoluene	~	~	700	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT			
Methylene Chloride	~	~	50	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT			
Naphthalene	~	~	2800	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT			
Tetrachloroethylene	~	~	50	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT			
Trichloroethylene	~	~	50	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT			
1,2,4-Trimethylbenzene	~	~	3500	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT			
1,3,5-Trimethylbenzene	~	~	3500	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT			
Vinyl Chloride	~	~	20	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT			
p-Xylene	~	~	5300	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT			
METALS - TOTAL (mg/kg)																	
ag (mg/kg)dw icp (mg/kg dry wt)																	
Silver	10,000	340	7.20	1.89	0.73	NT	NT	NT	12.7	J	2.11	NT	NT	NT			19.8
as (mg/kg)dw icp (mg/kg dry wt)																	
Arsenic	10.0	10.0	10.00	<5.51	<6.02	NT	NT	NT	<5.52		<6.31	NT	NT	NT			<6.31
ba (mg/kg)dw icp (mg/kg dry wt)																	
Barium	140,000	4,700	200.00	47.1	84.7	NT	NT	NT	65.0		110	NT	NT	NT			120
be (mg/kg)dw icp (mg/kg dry wt)																	
Beryllium	2.00	2.00	0.80	0.29	0.32	NT	NT	NT	0.37		0.41	NT	NT	NT			0.49
cd (mg/kg)dw icp (mg/kg dry wt)																	
Cadmium	1,000	34.0	1.00	<0.56	<0.61	NT	NT	NT	<0.56		<0.64	NT	NT	NT			0.92
cr (mg/kg)dw icp (mg/kg dry wt)																	
Chromium	~	~	10.00	12.6	14.1	NT	NT	NT	7.80		16.4	NT	NT	NT			96.1
cu (mg/kg)dw icp (mg/kg dry wt)																	
Copper	76,000	2,500	260.00	34.3	18.0	NT	NT	NT	1,190	J	68.5	NT	NT	NT			481
hg (mg/kg) dw (mg/kg dry wt)																	
Mercury	610	20.0	0.40	0.023	0.029	NT	NT	NT	0.188		0.111	NT	NT	NT			0.209
ni (mg/kg)dw icp (mg/kg dry wt)																	
Nickel	7,500	1,400	20.00	12.0	12.7	NT	NT	NT	348		18.0	NT	NT	NT			51.3
pb (mg/kg)dw icp (mg/kg dry wt)																	
Lead	1,000	400	3.00	13.5	5.70	NT	NT	NT	107		17.0	NT	NT	NT			208
sb (mg/kg)dw icp (mg/kg dry wt)																	
Antimony	8,200	27.0	1.20	<4.41*	<4.82*	NT	NT	NT	<4.41*	UJ	<5.05*	NT	NT	NT			<5.05*
v (mg/kg)dw icp (mg/kg dry wt)																	
Vanadium	14,000	470	10.00	25.6	27.6	NT	NT	NT	28.7		30.6	NT	NT	NT			37.4
zn (mg/kg)dw icp (mg/kg dry wt)																	
Zinc	610,000	20,000	1000.00	32.3	34.8	NT	NT	NT	435		58.4	NT	NT	NT			222

Table 4
Analytical Summary - Soil Samples
International Silver Company, Factory H
Meriden, Connecticut
Metcalf Eddy, Inc.
March 2007

Parameter	RSR DEC			AOC-3		AOC-5					AOC-RB1		AOC-RB2		AOC-10	
	IC DEC	R DEC	GB PMC	AOC-3-SB/MW01 2-4	AOC-3-SB/MW01 6-8	AOC-5-S1	AOC-5-SB1 2-4	AOC-5-SB1 10-12	AOC-5-SB2 2-4	AOC-5-SB2 9-11	AOC-RB1 2-4	AOC-RB2 2-4	AOC-10-SS-1	AOC-10-SS-2MS/MSD		
Sampling Date				3/30/06	3/30/06	3/29/06	3/29/06	3/31/06	3/29/06	3/31/06	3/31/06	3/31/06	3/31/06	3/31/06		
Sample Depth (feet)				2-4	6-8	0-0.5	2-4	10-12	2-4	9-11	2-4	2-4	0-0.5	0-0.5		
Laboratory Report Number				LIMS-96357, LIMS-96668	LIMS-96357	LIMS-96358	LIMS-96358	LIMS-96388	LIMS-96358, LIMS-96679, LIMS-	LIMS-96392	LIMS-96388	LIMS-96388	LIMS-96392	LIMS-96392, LIMS-96737		
METALS - (SPLP)																
<i>splp - beryllium (mg/l)</i>																
Beryllium	~	~	0.04	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
<i>splp - cd low (mg/l leachate)</i>																
Cadmium	~	~	0.05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
<i>splp - chromium (mg/l leachate)</i>																
Chromium	~	~	0.50	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.03		
<i>splp - copper (mg/l leachate)</i>																
Copper	~	~	13.00	NT	NT	NT	NT	NT	2.91	NT	NT	NT	NT	0.09		
<i>splp - lead icp (mg/l leachate)</i>																
Lead	~	~	0.15	0.01	NT	NT	NT	NT	0.08	NT	NT	NT	NT	0.02		
<i>splp - nickel (mg/l leachate)</i>																
Nickel	~	~	1.00	NT	NT	NT	NT	NT	0.38	NT	NT	NT	NT	<0.03		
<i>splp - sb furn (mg/l)</i>																
Antimony	~	~	0.06	NT	NT	NT	NT	NT	0.0114	NT	NT	NT	NT	NT	NT	
<i>splp - silver (mg/l leachate)</i>																
Silver	~	~	0.36	NT	NT	NT	NT	NT	<0.05*	NT	NT	NT	NT	<0.03		
<i>splp - tl furn (mg/l)</i>																
Thallium	~	~	0.05	NT	NT	NT	NT	NT	<0.0005	NT	NT	NT	NT	NT	NT	
<i>splp - vanadium (mg/l leachate)</i>																
Vanadium	~	~	0.50	NT	NT	NT	NT	NT	<0.05	NT	NT	NT	NT	NT	NT	
<i>splp barium icp (mg/l leachate)</i>																
Barium	~	~	10.00	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
<i>splp mercury (mg/l leachate)</i>																
Mercury	~	~	0.02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
PAHs - MASS																
<i>pah - sludge (mg/kg dry wt)</i>																
Acenaphthene	2,500	1,000	84	<0.18	<0.20	<3.77	<0.38	<0.19	<0.37	<0.22	<0.26	UJ	<0.21	NT	<0.22	
Acenaphthylene	2,500	1,000	84	<0.18	<0.20	<3.77	0.80	<0.19	4.93	<0.22	<0.26	UJ	<0.21	NT	0.22	
Anthracene	2,500	1,000	400	<0.18	<0.20	5.86	1.72	<0.19	3.30	<0.22	<0.26	UJ	0.33	NT	<0.22	
Benzo(a)anthracene	7.80	1.00	1	<0.18	<0.20	19.1	3.96	<0.19	19.4	0.28	<0.26	UJ	0.31	NT	0.67	
Benzo(a)pyrene	1.00	1.00	1	<0.18	<0.20	13.8	3.95	<0.19	16.6	<0.22	<0.26	UJ	0.32	NT	0.76	
Benzo(b)fluoranthene	7.80	1.00	1	<0.18	<0.20	19.1	6.16	<0.19	27.1	0.28	<0.26	UJ	0.43	NT	1.08	
Benzo(b)perylene	2,500	1,000	42	<0.18	<0.20	6.03	2.11	<0.19	5.48	<0.22	<0.26	UJ	0.24	NT	0.52	
Benzo(k)fluoranthene	78.0	8.40	1	<0.18	<0.20	8.12	2.2	<0.19	7.48	<0.22	<0.26	UJ	<0.21	NT	0.46	
Chrysene	780	84.0	1	<0.18	<0.20	21.3	4.12	<0.19	21.9	0.25	<0.26	UJ	0.35	NT	0.90	
Dibenz(a,h)anthracene	1.00	1.00	1	<0.18	<0.20	<3.77*	0.76	<0.19	2.38	<0.22	<0.26	UJ	<0.21	NT	<0.22	
Fluoranthene	2,500	1,000	56	<0.18	<0.20	32.1	8.75	<0.19	33.1	0.37	0.30	J	0.67	NT	1.36	
Fluorene	2,500	1,000	56	<0.18	<0.20	<3.77	1.00	<0.19	2.03	<0.22	<0.26	UJ	<0.21	NT	<0.22	
Indeno(1,2,3-cd)pyrene	7.80	1.00	1	<0.18	<0.20	6.57	2.52	<0.19	7.4	<0.22	<0.26	UJ	0.23	NT	0.54	
2-Methylnaphthalene	2,500	474	9.8	<0.18	<0.20	<3.77	<0.38	<0.19	0.53	<0.22	<0.26	UJ	<0.21	NT	<0.22	
Naphthalene	2,500	1,000	56	<0.18	<0.20	<3.77	<0.38	<0.19	0.63	<0.22	<0.26	UJ	<0.21	NT	<0.22	
Phenanthrene	2,500	1,000	40	<0.18	<0.20	26.0	7.61	<0.19	16.0	<0.22	<0.26	UJ	0.33	NT	0.75	
Pyrene	2,500	1,000	40	<0.18	<0.20	37.7	8.74	<0.19	38.7	0.40	0.30	J	0.65	NT	1.41	
PAHs - (self-implementing)																
<i>splp - pah (ug/l)</i>																
Acenaphthene	~	~	4200	NT	NT	NT	NT	NT	1.36	NT	NT	NT	NT	NT	NT	
Acenaphthylene	~	~	4200	NT	NT	NT	NT	NT	8.07	NT	NT	NT	NT	NT	NT	
Anthracene	~	~	20000	NT	NT	NT	NT	NT	1.01	NT	NT	NT	NT	NT	NT	
Benzo(a)anthracene	~	~	0.6	NT	NT	NT	NT	NT	<0.050	NT	NT	NT	NT	NT	NT	
Benzo(a)pyrene	~	~	2.0	NT	NT	NT	NT	NT	<0.100	NT	NT	NT	NT	NT	NT	
Benzo(b)fluoranthene	~	~	0.8	NT	NT	NT	NT	NT	<0.050	NT	NT	NT	NT	NT	NT	
Benzo(b)perylene	~	~	2100	NT	NT	NT	NT	NT	<0.500	NT	NT	NT	NT	NT	NT	
Benzo(k)fluoranthene	~	~	5.0	NT	NT	NT	NT	NT	<0.200	NT	NT	NT	NT	NT	NT	
Chrysene	~	~	48	NT	NT	NT	NT	NT	<0.20	NT	NT	NT	NT	NT	NT	
Dibenz(a,h)anthracene	~	~	5.0	NT	NT	NT	NT	NT	<0.500	NT	NT	NT	NT	NT	NT	
Fluoranthene	~	~	2800	NT	NT	NT	NT	NT	2.17	NT	NT	NT	NT	NT	NT	
Fluorene	~	~	2800	NT	NT	NT	NT	NT	11.0	NT	NT	NT	NT	NT	NT	
Indeno(1,2,3-cd)pyrene	~	~	5.0	NT	NT	NT	NT	NT	<0.500	NT	NT	NT	NT	NT	NT	
2-Methylnaphthalene	~	~	49	NT	NT	NT	NT	NT	1.59	NT	NT	NT	NT	NT	NT	
Naphthalene	~	~	2800	NT	NT	NT	NT	NT	<1.00	NT	NT	NT	NT	NT	NT	
Phenanthrene	~	~	2000	NT	NT	NT	NT	NT	3.47	NT	NT	NT	NT	NT	NT	
Pyrene	~	~	2000	NT	NT	NT	NT	NT	1.30	NT	NT	NT	NT	NT	NT	
Method 600/R-93/116																
Asbestos	~	~	~	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	Anosite - trace	
<i>cyanide-tot sludg (mg/kg dry wt)</i>																
Cyanide - None detected	41000	1400	~	<0.63	<0.67	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
<i>etph dry weight (mg/kg dry weight)</i>																
Extractable TPH (ETPH)	2,500	500	2500	43	44	1,600	190	36	590	2,300	170	140	NT	270		
<i>solids (percent) (%)</i>																
Solids, total	~	~	~	90.8	83.1	88.5	89.4	89.0	90.7	79.3	64.9	79.5	88.9	79.3		

Table 4
Analytical Summary - Soil Samples
International Silver Company, Factory H
Meriden, Connecticut
Metcalf Eddy, Inc.
March 2007

Parameter	RSR DEC			AOC 11						AOC-13			
	I/C DEC	R DEC	GB PMC	AOC-11SS-1DUP	AOC-11SS1 MS/MSD	AOC-11SS2	AOC-11SB2 2-4	AOC-11SB2 8-10	AOC-11-MW1 4-6	AOC-11-MW1 8-10	AOC-13 SS1	AOC-13 SB1 2-4	AOC-13-SB1 4-6
Sampling Date				3/30/06	3/30/06	3/30/06	3/30/06	3/30/06	3/30/06	3/30/06	3/29/06	3/29/06	3/29/06
Sample Depth (feet)				0-0.5	0-0.5	0-0.5	2-4	8-10	4-6	8-10	0-0.5	2-4	4-6
Laboratory Report Number				LIMS-96357, LIMS-96668	LIMS-96357	LIMS-96357, LIMS-96668	LIMS-96357, LIMS-96668	LIMS-96357, LIMS-96668	LIMS-96356, LIMS-96679	LIMS-96356	LIMS-96358	LIMS-96358	LIMS-96359, LIMS-96668
METALS - (SPLP)													
<i>splp - beryllium (mg/l)</i>													
Beryllium	-	-	0.04	NT	NT	<0.0010	NT	NT	<0.0010	NT	NT	0.0021	NT
<i>splp - cd low (mg/l leachate)</i>													
Cadmium	-	-	0.05	NT	NT	NT	NT	NT	<0.03	NT	NT	<0.03	NT
<i>splp - chromium (mg/l leachate)</i>													
Chromium	-	-	0.50	<0.03	NT	NT	<0.02	<0.03	NT	NT	NT	NT	<0.03
<i>splp - copper (mg/l leachate)</i>													
Copper	-	-	13.00	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
<i>splp - lead icp (mg/l leachate)</i>													
Lead	-	-	0.15	0.14	NT	NT	0.03	0.06	<0.01	NT	NT	<0.01	<0.01
<i>splp - nickel (mg/l leachate)</i>													
Nickel	-	-	1.00	<0.03	NT	NT	NT	NT	0.09	NT	NT	NT	NT
<i>splp - sb furn (mg/l)</i>													
Antimony	-	-	0.06	0.0077	NT	NT	0.0145	0.0117	0.0204	NT	NT	NT	0.0128
<i>splp - silver (mg/l leachate)</i>													
Silver	-	-	0.36	<0.03	NT	NT	NT	NT	NT	NT	NT	NT	NT
<i>splp - tl furn (mg/l)</i>													
Thallium	-	-	0.05	<0.0005	NT	NT	<0.0010	<0.0005	<0.0005	NT	NT	NT	<0.0005
<i>splp - vanadium (mg/l leachate)</i>													
Vanadium	-	-	0.50	<0.03	NT	NT	<0.02	0.04	<0.03	NT	NT	NT	<0.03
<i>splp barium icp (mg/l leachate)</i>													
Barium	-	-	10.00	NT	NT	NT	0.63	NT	1.24	NT	NT	1.28	NT
<i>splp mercury (mg/l leachate)</i>													
Mercury	-	-	0.02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
PAHs - MASS													
<i>pah - sludge (mg/kg dry wt)</i>													
Acenaphthene	2,500	1,000	84	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Acenaphthylene	2,500	1,000	84	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Anthracene	2,500	1,000	400	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo(a)anthracene	7.80	1.00	1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo(a)pyrene	1.00	1.00	1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo(b)fluoranthene	7.80	1.00	1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo(g,h,i)perylene	2,500	1,000	42	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo(k)fluoranthene	78.0	8.40	1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chrysene	780	84.0	1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dibenz(a,h)anthracene	1.00	1.00	1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluoranthene	2,500	1,000	56	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluorene	2,500	1,000	56	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Indeno(1,2,3-cd)pyrene	7.80	1.00	1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Methylnaphthalene	2,500	474	9.8	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naphthalene	2,500	1,000	56	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phenanthrene	2,500	1,000	40	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Pyrene	2,500	1,000	40	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
PAHs - (self-implementing)													
<i>splp - pah (ug/l)</i>			GWPC X 10										
Acenaphthene	-	-	4200	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Acenaphthylene	-	-	4200	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Anthracene	-	-	20000	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo(a)anthracene	-	-	0.6	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo(a)pyrene	-	-	2.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo(b)fluoranthene	-	-	0.8	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo(g,h,i)perylene	-	-	2100	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo(k)fluoranthene	-	-	5.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chrysene	-	-	48	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dibenz(a,h)anthracene	-	-	5.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluoranthene	-	-	2800	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluorene	-	-	2800	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Indeno(1,2,3-cd)pyrene	-	-	5.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Methylnaphthalene	-	-	49	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naphthalene	-	-	2800	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phenanthrene	-	-	2000	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Pyrene	-	-	2000	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Method 600/R-93/116													
Asbestos	-	-	-	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
<i>cyanide-tot sltdg (mg/kg dry wt)</i>													
Cyanide - None detected	41000	1400	-	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
<i>etph dry weight (mg/kg dry weight)</i>													
Extractable TPH (ETPH)	2,500	500	2500	970	1,100	590	100	<13	29	<13	130	16	<12
<i>solids (percent) (%)</i>													
Solids, total	-	-	-	87.8	86.1	93.0	85.9	78.0	75.9	77.6	89.7	75.5	90.0

Table 4
Analytical Summary - Soil Samples
International Silver Company, Factory H
Meriden, Connecticut
Metcalf Eddy, Inc.
March 2007

Parameter	RSR DEC			AOC-15											
	UC DEC	R DEC	GB PMC	AOC-15(A)-SS1	AOC-15(B)-SS2 DUP	AOC-15(B)-SS2 MS/MSD	AOC-15(B)-SS-3	AOC-15(B)-SS4	AOC-15(B)-SS-5	AOC-15(A)-SB1 2-4	AOC15(B)-SB2- 2-4	AOC-15(B)-MW3 4-6	AOC-15(B)-MW3 2-4	AOC-15(B)-SB4 2-4	AOC-15(B)-SB5 2-4
Sampling Date				3/29/06	3/31/06	3/31/06	3/30/06	3/30/06	3/30/06	3/29/06	3/31/06	3/30/06	3/30/06	3/30/06	3/30/06
Sample Depth (feet)				0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	2-4	2-4	4-6	2-4	2-4	2-4
Laboratory Report Number				LIMS-96359, LIMS-96668	LIMS-96388	LIMS-96388	LIMS-96356, LIMS-96679, LIMS-	LIMS-96356, LIMS-96679	LIMS-96356, LIMS-96679	LIMS-96359, LIMS-96668	LIMS-96388	LIMS-96356, LIMS-96679	LIMS-96356, LIMS-96679	LIMS-96356	LIMS-96356
VOCs - MASS															
8260 dry weight (mg/kg dry wt)															
Acrylonitrile	11	1.1	0.10	<0.020*	<0.019*	<0.018*	<0.019*	<0.022*	<0.019*	<0.018*	<0.019*	<0.020*	<0.018*	<0.020*	<0.018*
tert-Amyl methyl Ether	~	~	~	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzene	200	21	0.20	<0.002	<0.002	<0.002	<0.002	<0.003	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Bromodichloromethane	92	9.9	0.11	<0.002	<0.002	<0.002	<0.002	<0.003	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Bromomethane	1,000	95	2.0	<0.010	<0.010	<0.009	<0.009	<0.011	<0.010	<0.009	<0.010	<0.009	<0.010	<0.009	<0.009
n-Butylbenzene	1,000	500	14	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
sec-Butylbenzene	1,000	500	14	<0.002	<0.002	<0.002	<0.002	<0.003	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
tert-Butylbenzene	1,000	500	14	<0.002	<0.002	<0.002	<0.002	<0.003	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Carbon Tetrachloride	44	4.7	1.0	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Chlorodibromomethane	88	7.3	0.10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloroform	940	100	1.2	<0.004	<0.004	<0.004	<0.004	<0.005	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Chloromethane	440	47	0.54	<0.010	<0.010	<0.009	UJ	<0.011	<0.010	<0.009	<0.010	<0.009	<0.010	<0.009	<0.009
1,2-Dibromo-3-Chloropropane	4.1	0.44	~	<0.002	<0.002	<0.002	<0.002	<0.003	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,2-Dibromoethane	0.067	0.007	~	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dichloroethylene	1,000	500	14	<0.002	<0.002	<0.002	<0.002	<0.003	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,2-Dichloropropane	84	9.0	1.0	<0.002	<0.002	<0.002	<0.002	<0.003	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,3-Dichloropropane	~	~	0.1	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Ethyl Benzene	1,000	500	10	<0.002	<0.002	<0.002	<0.002	<0.003	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Isopropylbenzene	1,000	500	130	<0.002	<0.002	<0.002	<0.002	<0.003	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
p-Isopropyltoluene	1,000	500	14	<0.002	<0.002	<0.002	<0.002	<0.003	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Methylene Chloride	760	82	1.0	<0.020	<0.019	<0.018	UJ	0.049	J	0.026	J	<0.019	UJ	0.047	J
Naphthalene	2,500	1,000	56	<0.010	<0.009	<0.009	UJ	<0.011	<0.010	<0.009	<0.010	<0.010	UJ	<0.010	UJ
n-Propylbenzene	1,000	500	14	<0.002	<0.002	<0.002	<0.002	<0.003	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,1,1,2-Tetrachloroethane	220	24	0.20	<0.002	<0.002	<0.002	<0.002	<0.003	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,1,1,2,2-Tetrachloroethane	29	3.1	0.10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Tetrachloroethylene	110	12	1.0	<0.002	<0.002	<0.002	<0.002	<0.003	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Toluene	1,000	500	67	<0.002	<0.002	<0.002	<0.002	<0.003	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Trichloroethylene	520	56	1.0	<0.002	<0.002	<0.002	<0.002	<0.003	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,2,4-Trimethylbenzene	1,000	500	70	<0.002	<0.002	<0.002	<0.002	<0.003	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,3,5-Trimethylbenzene	1,000	500	70	<0.002	<0.002	<0.002	<0.002	<0.003	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Vinyl Chloride	3.0	0.32	0.40	<0.010	<0.010	<0.009	<0.009	<0.011	<0.010	<0.009	<0.010	<0.009	<0.010	<0.009	<0.009
m + p Xylene	1,000	500	20	<0.004	<0.004	<0.004	<0.004	<0.005	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
o-Xylene	1,000	500	20	<0.002	<0.002	<0.002	<0.002	<0.003	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
VOCs - (self-implementing)															
splp 8260 (ug/l)			GWPC X 10												
Acetone	~	~	7000	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
n-Butylbenzene	~	~	610	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
tert-Butylbenzene	~	~	610	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Carbon Disulfide	~	~	7000	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
cis-1,2-Dichloroethylene	~	~	700	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
p-Isopropyltoluene	~	~	700	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methylene Chloride	~	~	50	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naphthalene	~	~	2800	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tetrachloroethylene	~	~	50	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichloroethylene	~	~	50	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,2,4-Trimethylbenzene	~	~	3500	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,3,5-Trimethylbenzene	~	~	3500	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Vinyl Chloride	~	~	20	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
o-Xylene	~	~	5300	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
METALS - TOTAL (mg/kg)			PMC X 20 (screening)												
ag (mg/kg)dw icp (mg/kg dry wt)															
Silver	10,000	340	7.20	4.41	5.22	7.46	27.9	3.57	2.43	<0.60	0.63	3.14	6.97	<0.61	<0.63
as (mg/kg)dw icp (mg/kg dry wt)															
Arsenic	10.0	10.0	10.00	8.04	<5.48	6.16	9.28	<6.36	<5.84	<5.97	<5.67	<5.86	<5.41	<6.06	<6.26
ba (mg/kg)dw icp (mg/kg dry wt)															
Barium	140,000	4,700	200.00	43.3	80.0	101	243	81.3	96.7	73.3	59.8	216	103	83.4	142
be (mg/kg)dw icp (mg/kg dry wt)															
Beryllium	2.00	2.00	0.80	0.91	0.30	0.45	0.44	0.71	0.76	0.72	0.58	0.66	0.49	0.63	0.71
cd (mg/kg)dw icp (mg/kg dry wt)															
Cadmium	1,000	34.0	1.00	<0.56	<0.55	<0.55	<0.58	<0.64	<0.59	<0.60	<0.57	<0.59	<0.55	<0.61	<0.63
cr (mg/kg)dw icp (mg/kg dry wt)															
Chromium	~	~	10.00	8.35	11.0	12.1	25.4	16.9	20.1	14.2	7.61	44.2	51.7	17.0	19.9
cu (mg/kg)dw icp (mg/kg dry wt)															
Copper	76,000	2,500	260.00	701	375	405	4,110	161	122	30.7	57.5	173	233	44.4	57.6
hg (mg/kg) dw (mg/kg dry wt)															
Mercury	610	20.0	0.40	0.093	0.402	0.332	J	0.334	0.070	0.212	0.038	0.031	0.162	0.040	0.257
ni (mg/kg)dw icp (mg/kg dry wt)															
Nickel	7,500	1,400	20.00	140	68.0	63.7	642	64.4	42.9	14.7	12.1	22.6			

Table 4
Analytical Summary - Soil Samples
International Silver Company, Factory H
Meriden, Connecticut
Metcalf Eddy, Inc.
March 2007

Parameter	RSR DEC			AOC-15													
	UC DEC	R DEC	GB PMC	AOC-15(A)-SS1	AOC-15(B)-SS2 DUP	AOC-15(B)-SS2 MS/MSD	AOC-15(B)-SS-3	AOC-15(B)-SS4	AOC-15(B)-SS-5	AOC-15(A)-SB1 2-4	AOC15(B)-SB2- 2-4	AOC-15(B)-MW3 4-6	AOC-15(B)-MW3 2-4	AOC-15(B)-SB4 2-4	AOC-15(B)-SB5 2-4		
Sampling Date				3/29/06	3/31/06	3/31/06	3/31/06	3/30/06	3/30/06	3/29/06	3/31/06	3/30/06	3/30/06	3/30/06	3/30/06		
Sample Depth (feet)				0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	2-4	2-4	4-6	2-4	2-4	2-4		
Laboratory Report Number				LIMS-96359, LIMS-96668	LIMS-96388	LIMS-96388	LIMS-96356, LIMS-96679, LIMS-	LIMS-96356, LIMS-96679	LIMS-96356, LIMS-96679	LIMS-96359, LIMS-96668	LIMS-96388	LIMS-96356, LIMS-96679	LIMS-96356, LIMS-96679	LIMS-96356	LIMS-96356		
METALS - (SPLP)																	
<i>splp - beryllium (mg/l)</i>																	
Beryllium	~	~	0.04	<0.0010	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
<i>splp - cd low (mg/l leachate)</i>																	
Cadmium	~	~	0.05	NT	NT	NT	<0.03	<0.02	<0.03	NT	NT	<0.03	<0.03	NT	NT	NT	
<i>splp - chromium (mg/l leachate)</i>																	
Chromium	~	~	0.50	NT	NT	NT	NT	NT	NT	<0.03	NT	NT	NT	NT	NT	NT	
<i>splp - copper (mg/l leachate)</i>																	
Copper	~	~	13.00	0.03	NT	NT	1.95	NT	NT	NT	NT	NT	NT	NT	NT	NT	
<i>splp - lead icp (mg/l leachate)</i>																	
Lead	~	~	0.15	0.03	NT	NT	0.15	0.02	0.01	<0.01	NT	0.02	0.03	NT	NT	NT	
<i>splp - nickel (mg/l leachate)</i>																	
Nickel	~	~	1.00	<0.03	NT	NT	0.15	0.04	<0.03	NT	NT	<0.03	<0.03	NT	NT	NT	
<i>splp - sb furn (mg/l)</i>																	
Antimony	~	~	0.06	0.0418	NT	NT	0.0109	0.0089	0.0079	0.0064	NT	0.0070	0.0091	NT	NT	NT	
<i>splp - silver (mg/l leachate)</i>																	
Silver	~	~	0.36	NT	NT	NT	<0.03	NT	NT	NT	NT	NT	NT	NT	NT	NT	
<i>splp - tl furn (mg/l)</i>																	
Thallium	~	~	0.05	NT	NT	NT	<0.0005	<0.0005	<0.0005	<0.0005	NT	<0.0005	<0.0005	NT	NT	NT	
<i>splp - vanadium (mg/l leachate)</i>																	
Vanadium	~	~	0.50	NT	NT	NT	<0.03	<0.02	<0.03	<0.03	NT	<0.03	<0.03	NT	NT	NT	
<i>splp barium icp (mg/l leachate)</i>																	
Barium	~	~	10.00	NT	NT	NT	1.37	NT	NT	NT	NT	1.17	NT	NT	NT	NT	
<i>splp mercury (mg/l leachate)</i>																	
Mercury	~	~	0.02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
PAHs - MASS																	
<i>pah - sludge (mg/kg dry wt)</i>																	
Acenaphthene	2,500	1,000	84	<0.19	<0.19	<0.91	1.80	<0.22	<0.20	<0.20	<0.19	<0.20	<0.19	<0.21	UJ	<0.21	UJ
Acenaphthylene	2,500	1,000	84	<0.19	<0.19	<0.91	<0.97	<0.22	<0.20	<0.20	<0.19	<0.20	<0.19	<0.21	UJ	<0.21	UJ
Anthracene	2,500	1,000	400	<0.19	<0.19	<0.91	3.83	<0.22	<0.20	<0.20	<0.19	<0.20	<0.19	<0.21	UJ	0.73	J
Benzo(a)anthracene	7.80	1.00	1	<0.19	0.71	0.92	8.47	<0.22	0.78	<0.20	<0.19	<0.20	<0.19	<0.21	UJ	1.07	J
Benzo(a)pyrene	1.00	1.00	1	<0.19	0.76	<0.91	7.42	<0.22	0.59	<0.20	<0.19	<0.20	<0.19	<0.21	UJ	0.76	J
Benzo(b)fluoranthene	7.80	1.00	1	<0.19	1.05	1.3	9.98	<0.22	0.71	<0.20	<0.19	<0.20	<0.19	<0.21	UJ	0.93	J
Benzo(b)fluoranthene	2,500	1,000	42	<0.19	0.44	<0.91	4.48	<0.22	0.27	<0.20	<0.19	<0.20	<0.19	<0.21	UJ	0.30	J
Benzo(k)fluoranthene	78.0	8.40	1	<0.19	0.38	<0.91	3.45	<0.22	0.52	<0.20	<0.19	<0.20	<0.19	<0.21	UJ	0.37	J
Chrysene	780	84.0	1	<0.19	0.78	0.98	8.23	<0.22	0.71	<0.20	<0.19	<0.20	<0.19	<0.21	UJ	0.93	J
Dibenz(a,h)anthracene	1.00	1.00	1	<0.19	<0.19	<0.91	1.18	<0.22	<0.20	<0.20	<0.19	<0.20	<0.19	<0.21	UJ	<0.21	UJ
Fluoranthene	2,500	1,000	56	0.21	1.21	1.65	21.9	<0.22	1.44	<0.20	<0.19	<0.20	<0.19	<0.21	UJ	2.09	J
Fluorene	2,500	1,000	56	<0.19	<0.19	<0.91	1.22	<0.22	<0.20	<0.20	<0.19	<0.20	<0.19	<0.21	UJ	0.27	J
Indeno(1,2,3-cd)pyrene	7.80	1.00	1	<0.19	0.49	<0.91	4.99	<0.22	0.31	<0.20	<0.19	<0.20	<0.19	<0.21	UJ	0.36	J
2-Methylnaphthalene	2,500	474	9.8	<0.19	<0.19	<0.91	<0.97	<0.22	<0.20	<0.20	<0.19	<0.20	<0.19	<0.21	UJ	<0.21	UJ
Naphthalene	2,500	1,000	56	<0.19	<0.19	<0.91	<0.97	<0.22	<0.20	<0.20	<0.19	<0.20	<0.19	<0.21	UJ	<0.21	UJ
Phenanthrene	2,500	1,000	40	<0.19	0.70	1.15	19.7	<0.22	0.87	<0.20	<0.19	<0.20	<0.19	<0.21	UJ	2.04	J
Pyrene	2,500	1,000	40	<0.19	1.19	1.69	16.4	<0.22	1.19	<0.20	<0.19	<0.20	<0.19	<0.21	UJ	1.82	J
PAHs - (self-implementing)																	
<i>splp - pah (ug/l)</i>			GWPC X 10														
Acenaphthene	~	~	4200	NT	NT	NT	0.32	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Acenaphthylene	~	~	4200	NT	NT	NT	<0.30	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Anthracene	~	~	20000	NT	NT	NT	0.20	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzo(a)anthracene	~	~	0.6	NT	NT	NT	<0.050	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzo(a)pyrene	~	~	2.0	NT	NT	NT	<0.100	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzo(b)fluoranthene	~	~	0.8	NT	NT	NT	<0.050	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzo(g,h,i)perylene	~	~	2100	NT	NT	NT	<0.500	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzo(k)fluoranthene	~	~	5.0	NT	NT	NT	<0.200	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chrysene	~	~	48	NT	NT	NT	0.23	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dibenz(a,h)anthracene	~	~	5.0	NT	NT	NT	<0.500	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Fluoranthene	~	~	2800	NT	NT	NT	<0.50	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Fluorene	~	~	2800	NT	NT	NT	<1.00	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Indeno(1,2,3-cd)pyrene	~	~	5.0	NT	NT	NT	<0.500	NT	NT	NT	NT	NT	NT	NT	NT	NT	
2-Methylnaphthalene	~	~	49	NT	NT	NT	<1.00	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Naphthalene	~	~	2800	NT	NT	NT	<1.00	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Phenanthrene	~	~	2000	NT	NT	NT	0.16	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Pyrene	~	~	2000	NT	NT	NT	<1.00	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Method 600/R-93/116																	
Asbestos	~	~	~	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
<i>cyanide-tot sldg (mg/kg dry wt)</i>																	
Cyanide - None detected	41000	1400	~	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
<i>etph dry weight (mg/kg dry weight)</i>																	
Extractable TPH (ETPH)	2,500	500	2500	360	110	140	160	20	43	<12	41	22	890	33	<13		
<i>solids (percent) (%)</i>																	
Solids, total	~	~	~	90.4	91.3	91.8	86.7	78.7	85.7	83.8	88.2	85.4	92.5	82.6	80.0		

Table 4
Analytical Summary - Soil Samples
International Silver Company, Factory H
Meriden, Connecticut
Metcalf Eddy, Inc.
March 2007

Parameter	RSR DEC			AOC-17												AOC-19				
	IC DEC	R DEC	GB PMC	AOC-17-SS1	AOC-17-SS2	AOC-17-SB1 5-7	AOC-17-SB1 12-14	AOC-17-SB2 2-4	AOC-17-SB2 14-16	AOC-17-SB2 18-20	AOC-19-SB02 2-4	AOC-19-SB2 7-9	AOC-19-SB3 2-4	AOC-19-SB3 8-10	AOC-19-MW1 2-4	AOC19-MW-1 5-7				
Sampling Date				3/29/06	3/29/06	3/29/06	3/29/06	3/29/06	3/29/06	3/29/06	3/30/06	3/31/06	3/29/06	3/31/06	3/29/06	3/30/06				
Sample Depth (feet)				0-0.5	0-0.5	0-0.5	12-14	2-4	14-16	18-20	2-4	7-9	2-4	8-10	2-4	5-7				
Laboratory Report Number				LIMS-96359	LIMS-96359, LIMS-96668	LIMS-96359	LIMS-96359	LIMS-96359, LIMS-96668	LIMS-96360	LIMS-96360	LIMS-96357, LIMS-96668	LIMS-96388, LIMS-96737	LIMS-96358, LIMS-96679, LIMS-	LIMS-96388	LIMS-96358	LIMS-96392, LIMS-96737				
VOCs - MASS																				
8260 dry weight (mg/kg dry wt)																				
Acrylonitrile	11	1.1	0.10	<0.022*	<0.023*	<0.018*	<0.024*	<0.017*	<3.1*	<3.0*	<0.017*	<0.015*	<0.021*	<0.019*	NT	<0.020*				
tert-Amyl methyl Ether	~	~	~	<0.002	<0.002	<0.001	<0.002	<0.001	<0.16	<0.15	<0.001	<0.001	<0.002	<0.001	NT	<0.001				
Benzene	200	21	0.20	<0.003	<0.003	<0.002	<0.003	<0.002	<0.31*	<0.30*	<0.002	<0.002	0.004	<0.002	NT	<0.002				
Bromodichloromethane	92	9.9	0.11	<0.003	<0.003	<0.002	<0.003	<0.002	<0.31*	<0.30*	<0.002	<0.002	<0.002	<0.002	NT	<0.002				
Bromomethane	1,000	95	2.0	<0.011	<0.012	<0.009	<0.012	<0.009	<1.6	<1.5	<0.009	<0.008	<0.011	<0.010	NT	<0.010				
n-Butylbenzene	1,000	500	14	<0.003	<0.003	<0.002	<0.003	<0.002	0.95	0.57	<0.002	<0.002	<0.003	<0.002	NT	<0.002				
sec-Butylbenzene	1,000	500	14	<0.003	<0.003	<0.002	<0.003	<0.002	0.76	0.48	<0.002	0.002	<0.003	<0.002	NT	<0.002				
tert-Butylbenzene	1,000	500	14	<0.003	<0.003	<0.002	<0.003	<0.002	<0.31	<0.30	<0.002	<0.002	<0.003	<0.002	NT	<0.002				
Carbon Tetrachloride	44	4.7	1.0	<0.003	<0.003	<0.002	<0.003	<0.002	<0.31	<0.30	<0.002	<0.002	<0.003	<0.002	NT	<0.002				
Chlorodibromomethane	68	7.3	0.10	<0.002	<0.002	<0.001	<0.002	<0.001	<0.16*	<0.15*	<0.001	<0.001	<0.002	<0.001	NT	<0.001				
Chloroform	940	100	1.2	<0.005	<0.005	<0.004	<0.005	<0.004	<0.61	<0.59	<0.003	<0.003	<0.005	<0.004	NT	<0.004				
Chloromethane	440	47	0.54	<0.011	<0.012	<0.009	<0.012	<0.009	<1.6*	<1.5*	<0.009	<0.008	<0.011	<0.010	NT	<0.010				
1,2-Dibromo-3-Chloropropane	4.1	0.44	~	<0.003	<0.003	<0.002	<0.003	<0.002	<0.30	<0.30	<0.002	<0.002	<0.003	<0.002	NT	<0.002				
1,2-Dibromoethane	0.067	0.007	~	<0.002	<0.002	<0.001	<0.002	<0.001	<0.16*	<0.15*	<0.001	<0.001	<0.002	<0.001	NT	<0.001				
cis-1,2-Dichloroethylene	1,000	500	14	<0.003	<0.003	<0.002	<0.003	<0.002	2.5	6.1	<0.002	<0.002	<0.003	<0.002	NT	<0.002				
1,2-Dichloropropane	84	9.0	1.0	<0.003	<0.003	<0.002	<0.003	<0.002	<0.31*	<0.30*	<0.002	<0.002	<0.003	<0.002	NT	<0.002				
1,3-Dichloropropane	~	~	0.1	<0.002	<0.002	<0.001	<0.002	<0.001	<0.16	<0.15	<0.001	<0.001	<0.002	<0.001	NT	<0.001				
Ethyl Benzene	1,000	500	10	<0.003	<0.003	<0.002	<0.003	<0.002	<0.31	<0.30	<0.002	<0.002	<0.003	<0.002	NT	<0.002				
Isopropylbenzene	1,000	500	130	<0.003	<0.003	<0.002	<0.003	<0.002	0.63	0.52	<0.002	0.002	<0.003	<0.002	NT	<0.002				
p-Isopropyltoluene	1,000	500	14	<0.003	<0.003	<0.002	<0.003	<0.002	0.59	0.31	<0.002	<0.002	<0.003	<0.002	NT	<0.002				
Methylene Chloride	760	82	1.0	<0.022	<0.023	0.039	<0.024	<0.017	<3.1*	<3.0*	<0.017	<0.015	<0.021	<0.019	NT	0.040				
Naphthalene	2,500	1,000	56	<0.011	<0.012	<0.009	<0.012	<0.009	<1.6	<1.5	<0.009	<0.008	<0.011	<0.010	NT	<0.010				
n-Propylbenzene	1,000	500	14	<0.003	<0.003	<0.002	<0.003	<0.002	0.92	0.79	<0.002	<0.002	<0.003	<0.002	NT	<0.002				
1,1,1,2-Tetrachloroethane	220	24	0.20	<0.003	<0.003	<0.002	<0.003	<0.002	<0.31*	<0.30*	<0.002	<0.002	<0.003	<0.002	NT	<0.002				
1,1,1,2-Tetrachloroethane	29	3.1	0.10	<0.002	<0.002	<0.001	<0.002	<0.001	<0.16*	<0.15*	<0.001	<0.001	<0.002	<0.001	NT	<0.001				
Tetrachloroethylene	110	12	1.0	0.007	<0.003	<0.002	<0.003	0.006	80	54	<0.002	<0.002	<0.003	<0.002	NT	<0.002				
Toluene	1,000	500	67	<0.003	<0.003	<0.002	<0.003	<0.002	<0.31	<0.30	<0.002	<0.002	<0.003	<0.002	NT	<0.002				
Trichloroethylene	520	56	1.0	0.008	0.003	0.025	0.004	0.022	6.8	12	<0.002	<0.002	0.008	<0.002	NT	0.005				
1,2,4-Trimethylbenzene	1,000	500	70	<0.003	<0.003	<0.002	<0.003	<0.002	1.1	<0.30	<0.002	<0.002	<0.003	<0.002	NT	<0.002				
1,3,5-Trimethylbenzene	1,000	500	70	<0.003	<0.003	<0.002	<0.003	<0.002	<0.31	<0.30	<0.002	<0.002	<0.003	<0.002	NT	<0.002				
Vinyl Chloride	3.0	0.32	0.40	<0.011	<0.012	<0.009	<0.012	<0.009	<1.6*	<1.5*	<0.009	<0.008	<0.010	<0.010	NT	<0.010				
m + p Xylene	1,000	500	20	<0.005	<0.005	<0.004	<0.005	<0.004	<0.61	<0.59	<0.003	<0.003	<0.005	<0.004	NT	<0.004				
o-Xylene	1,000	500	20	<0.003	<0.003	<0.002	<0.003	<0.002	<0.31	<0.30	<0.002	<0.002	<0.003	<0.002	NT	<0.002				
VOCs - (self-implementing)																				
sp/c 8260 (ug/l)																				
Acetone	~	~	7000	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT				
n-Butylbenzene	~	~	610	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT				
tert-Butylbenzene	~	~	610	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT				
Carbon Disulfide	~	~	7000	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT				
cis-1,2-Dichloroethylene	~	~	700	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT				
p-Isopropyltoluene	~	~	700	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT				
Methylene Chloride	~	~	50	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT				
Naphthalene	~	~	2800	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT				
Tetrachloroethylene	~	~	50	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT				
Trichloroethylene	~	~	50	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT				
1,2,4-Trimethylbenzene	~	~	3500	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT				
1,3,5-Trimethylbenzene	~	~	3500	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT				
Vinyl Chloride	~	~	20	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT				
o-Xylene	~	~	5300	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT				
METALS - TOTAL (mg/kg)																				
PMc X 20 (screening)																				
ag (mg/kg)dw icp (mg/kg dry wt)																				
Silver	10,000	340	7.20	14.0	<0.58	<0.56	NT	0.80	NT	NT	46.1	1.38	19.7	<0.57	109	5.20				
as (mg/kg)dw icp (mg/kg dry wt)																				
Arsenic	10.0	10.0	10.00	8.84	19.3	<5.51	NT	<5.50	NT	NT	<5.95	<5.66	7.10	<5.68	6.04	<5.82				
ba (mg/kg)dw icp (mg/kg dry wt)																				
Barium	140,000	4,700	200.00	113	172	40.8	NT	65.0	NT	NT	168	64.7	148	97.1	196	98.9				
be (mg/kg)dw icp (mg/kg dry wt)																				
Beryllium	2.00	2.00	0.80	0.61	0.60	0.72	NT	0.62	NT	NT	0.68	0.52	0.52	0.53	0.45	0.51				
cd (mg/kg)dw icp (mg/kg dry wt)																				
Cadmium	1,000	34.0	1.00	0.71	1.15	<0.56	NT	<0.55	NT	NT	<0.60	<0.57	<0.61	<0.57	<0.60	0.60				
cr (mg/kg)dw icp (mg/kg dry wt)																				
Chromium	~	~	10.00	18.0	38.4	14.8	NT	15.0	NT	NT	20.3	10.4	17.9	13.6	33.3	14.8				
cu (mg/kg)dw icp (mg/kg dry wt)																				
Copper	76,000	2,500	260.00	593	721	25.2	NT	71.3	NT	NT	614	91.0	3,710	110	2,580	187				
hg (mg/kg) dw (mg/kg dry wt)																				
Mercury	610	20.0	0.40	0.238	0.518	<0.006	NT	0.047	NT	NT	0.557	0.031	0.092	0.011	0.244	0.239				
ni (mg/kg)dw icp (mg/kg dry wt)																				
Nickel	7,500	1,400	20.00	117	136	15.1	NT	17.8	NT	NT	110	197	762	67.4</						

Table 4
Analytical Summary - Soil Samples
International Silver Company, Factory H
Meriden, Connecticut
Metcalf Eddy, Inc.
March 2007

Parameter	RSR DEC			AOC-17										AOC-19				
	IC DEC	R DEC	GB PMC	AOC-17-SS1	AOC-17-SS2	AOC-17-SB1 5-7	AOC-17-SB1 12-14	AOC-17-SB2 2-4	AOC-17-SB2 14-16	AOC-17-SB2 18-20	AOC-19-SB02 2-4	AOC-19-SB2 7-9	AOC-19-SB3 2-4	AOC-19-SB3 8-10	AOC-19-MW1 2-4	AOC19-MW-1 5-7		
Sampling Date				3/29/06	3/29/06	3/29/06	3/29/06	3/29/06	3/29/06	3/29/06	3/30/06	3/31/06	3/29/06	3/31/06	3/29/06	3/30/06		
Sample Depth (feet)				0-0.5	0-0.5	5-7	12-14	2-4	14-16	16-20	2-4	7-9	2-4	8-10	2-4	5-7		
Laboratory Report Number				LIMS-96359	LIMS-96359, LIMS-96668	LIMS-96359	LIMS-96359	LIMS-96359, LIMS-96668	LIMS-96360	LIMS-96360	LIMS-96357, LIMS-96668	LIMS-96388, LIMS-96737	LIMS-96358, LIMS-96679, LIMS-	LIMS-96388	LIMS-96358	LIMS-96737		
METALS - (SPLP)																		
<i>spjp - beryllium (mg/l)</i>																		
Beryllium	~	~	0.04	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
<i>spjp - cad low (mg/l leachate)</i>																		
Cadmium	~	~	0.05	NT	<0.003	NT	NT	NT	NT	NT	NT	NT	<0.03	NT	NT	NT		
<i>spjp - chromium (mg/l leachate)</i>																		
Chromium	~	~	0.50	NT	<0.03	NT	NT	<0.03	NT	NT	<0.03	<0.03	NT	NT	<0.03	NT		
<i>spjp - copper (mg/l leachate)</i>																		
Copper	~	~	13.00	NT	0.13	NT	NT	NT	NT	NT	1.01	NT	4.31	NT	NT	NT		
<i>spjp - lead icp (mg/l leachate)</i>																		
Lead	~	~	0.15	NT	0.16	NT	NT	0.01	NT	NT	3.06	<0.01	0.07	NT	NT	0.02		
<i>spjp - nickel (mg/l leachate)</i>																		
Nickel	~	~	1.00	NT	<0.03	NT	NT	NT	NT	NT	0.05	0.11	0.31	NT	NT	<0.03		
<i>spjp - sb furn (mg/l)</i>																		
Antimony	~	~	0.06	NT	0.0920	NT	NT	0.0043	NT	NT	0.0520	0.0060	0.0098	NT	NT	NT		
<i>spjp - silver (mg/l leachate)</i>																		
Silver	~	~	0.36	NT	NT	NT	NT	NT	NT	NT	<0.03	NT	<0.03	NT	NT	NT		
<i>spjp - tl furn (mg/l)</i>																		
Thallium	~	~	0.05	NT	<0.0005	NT	NT	<0.0005	NT	NT	<0.0005	<0.0005	<0.0005	NT	NT	NT		
<i>spjp - vanadium (mg/l leachate)</i>																		
Vanadium	~	~	0.50	NT	0.03	NT	NT	<0.03	NT	NT	<0.03	<0.03	<0.03	NT	NT	NT		
<i>spjp barium icp (mg/l leachate)</i>																		
Barium	~	~	10.00	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
<i>spjp mercury (mg/l leachate)</i>																		
Mercury	~	~	0.02	NT	<0.00004	NT	NT	NT	NT	NT	0.00004	NT	NT	NT	NT	NT		
PAHs - MASS																		
<i>pah - sludge (mg/kg dry wt)</i>																		
Acenaphthene	2,500	1,000	84	NT	NT	NT	NT	NT	NT	NT	<0.20	<0.95	0.22	<0.19	<0.20	<0.19		
Acenaphthylene	2,500	1,000	84	NT	NT	NT	NT	NT	NT	NT	<0.20	<0.95	<0.21	<0.19	<0.20	<0.19		
Anthracene	2,500	1,000	400	NT	NT	NT	NT	NT	NT	NT	0.31	<0.95	0.45	<0.19	0.27	<0.19		
Benzo(a)anthracene	7.80	1.00	1	NT	NT	NT	NT	NT	NT	NT	0.87	<0.95	1.04	<0.19	0.97	<0.19		
Benzo(a)pyrene	1.00	1.00	1	NT	NT	NT	NT	NT	NT	NT	0.70	<0.95	1.00	<0.19	0.92	<0.19		
Benzo(b)fluoranthene	7.80	1.00	1	NT	NT	NT	NT	NT	NT	NT	0.93	<0.95	1.22	<0.19	1.24	<0.19		
Benzo(g,h,i)perylene	2,500	1,000	42	NT	NT	NT	NT	NT	NT	NT	0.31	<0.95	0.62	<0.19	0.56	<0.19		
Benzo(k)fluoranthene	78.0	8.40	1	NT	NT	NT	NT	NT	NT	NT	0.33	<0.95	0.46	<0.19	0.43	<0.19		
Chrysene	780	84.0	1	NT	NT	NT	NT	NT	NT	NT	0.88	<0.95	1.06	<0.19	0.99	<0.19		
Dibenz(a,h)anthracene	1.00	1.00	1	NT	NT	NT	NT	NT	NT	NT	<0.20	<0.95	<0.21	<0.19	<0.20	<0.19		
Fluoranthene	2,500	1,000	56	NT	NT	NT	NT	NT	NT	NT	1.43	<0.95	2.38	<0.19	1.73	<0.19		
Fluorene	2,500	1,000	56	NT	NT	NT	NT	NT	NT	NT	<0.20	<0.95	<0.21	<0.19	<0.20	<0.19		
Indeno(1,2,3-cd)pyrene	7.80	1.00	1	NT	NT	NT	NT	NT	NT	NT	0.36	<0.95	0.62	<0.19	0.63	<0.19		
2-Methylnaphthalene	2,500	474	9.8	NT	NT	NT	NT	NT	NT	NT	<0.20	<0.95	<0.21	<0.19	<0.20	<0.19		
Naphthalene	2,500	1,000	56	NT	NT	NT	NT	NT	NT	NT	<0.20	<0.95	<0.21	<0.19	<0.20	<0.19		
Phenanthrene	2,500	1,000	40	NT	NT	NT	NT	NT	NT	NT	1.19	<0.95	2.33	<0.19	1.21	<0.19		
Pyrene	2,500	1,000	40	NT	NT	NT	NT	NT	NT	NT	1.54	<0.95	2.44	<0.19	1.73	<0.19		
PAHs - (self-implementing)																		
<i>spjp - pah (ug/l)</i>																		
Acenaphthene	~	~	4200	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.30	NT	NT	NT		
Acenaphthylene	~	~	4200	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.30	NT	NT	NT		
Anthracene	~	~	20000	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.20	NT	NT	NT		
Benzo(a)anthracene	~	~	0.6	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.050	NT	NT	NT		
Benzo(a)pyrene	~	~	2.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.100	NT	NT	NT		
Benzo(b)fluoranthene	~	~	0.8	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.050	NT	NT	NT		
Benzo(g,h,i)perylene	~	~	2100	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.500	NT	NT	NT		
Benzo(k)fluoranthene	~	~	5.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.200	NT	NT	NT		
Chrysene	~	~	48	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.20	NT	NT	NT		
Dibenz(a,h)anthracene	~	~	5.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.500	NT	NT	NT		
Fluoranthene	~	~	2800	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.50	NT	NT	NT		
Fluorene	~	~	2800	NT	NT	NT	NT	NT	NT	NT	NT	NT	<1.00	NT	NT	NT		
Indeno(1,2,3-cd)pyrene	~	~	5.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.500	NT	NT	NT		
2-Methylnaphthalene	~	~	49	NT	NT	NT	NT	NT	NT	NT	NT	NT	<1.00	NT	NT	NT		
Naphthalene	~	~	2800	NT	NT	NT	NT	NT	NT	NT	NT	NT	<1.00	NT	NT	NT		
Phenanthrene	~	~	2000	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.10	NT	NT	NT		
Pyrene	~	~	2000	NT	NT	NT	NT	NT	NT	NT	NT	NT	<1.00	NT	NT	NT		
Method 600/R-93/116																		
Asbestos	~	~	~	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
<i>cyanide-tot sldg (mg/kg dry wt)</i>																		
Cyanide - None detected	41000	1400	~	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
<i>etph dry weight (mg/kg dry weight)</i>																		
Extractable TPH (ETPH)	2,500	500	2500	NT	NT	NT	NT	NT	NT	NT	190	4,800	160	17	200	<12		
<i>solids (percent) (%)</i>																		
Solids, total	~	~	~	88.2	87.4	90.8	77.8	91.0	NT	NT	84.2	88.4	82.9	88.1	84.7	85.9		

Table 4
Analytical Summary - Soil Samples
International Silver Company, Factory H
Meriden, Connecticut
Metcalf Eddy, Inc.
March 2007

Parameter	RSR DEC			AOC-24			AOC-30				AOC-SAC		AOC-SAE		AOC-SAH	
	UC DEC	R DEC	GB PMC	AOC-24-SS1	AOC-24-MW1 2-4	AOC-24-MW1 4-6	AOC-30-SS1 MS/MSD	AOC-30-SS1DUP	AOC-30-MW1 2-4	AOC-30-MW1 5-7	AOC-SAC-SS1	AOC-SAC-SB1 2-4	AOC-SAE-SB1 0-2	AOC-SAE-SB1 2-4	AOC-SAH-SB1 0-2	AOC-SAH-SB01 2-4
Sampling Date				3/29/06	3/29/06	3/29/06	3/30/06	3/30/06	3/30/06	3/30/06	3/29/06	3/29/06	3/29/06	3/29/06	3/31/06	3/30/06
Sample Depth (feet)				0-0.5	2-4	4-6	0-0.5	0-0.5	2-4	5-7	0-0.5	2-4	0-2	0-2	0-2	2-4
Laboratory Report Number				LIMS-96359, LIMS-96661	LIMS-96359, LIMS-96661	LIMS-96358	LIMS-96356	LIMS-96356	LIMS-96356	LIMS-96356	LIMS-96359, LIMS-96668	LIMS-96359	LIMS-96359, LIMS-96668	LIMS-96359	LIMS-96388	LIMS-96357, LIMS-96668
VOCs - MASS																
8260 dry weight (mg/kg dry wt)																
Acrylonitrile	11	1.1	0.10	<0.021*	<0.022*	NT	<0.017*	<0.025*	<0.023*	<0.020*	NT	NT	NT	NT	<0.020*	<0.013*
tert-Amyl methyl Ether	-	-	-	<0.002	<0.002	NT	<0.001	<0.002	<0.002	<0.001	NT	NT	NT	NT	<0.001	<0.001
Benzene	200	21	0.20	<0.003	<0.003	NT	<0.002	<0.003	<0.003	<0.002	NT	NT	NT	NT	<0.002	<0.002
Bromodichloromethane	92	9.9	0.11	<0.003	<0.003	NT	<0.002	<0.003	<0.003	<0.002	NT	NT	NT	NT	<0.002	<0.002
Bromomethane	1,000	95	2.0	<0.011	<0.011	NT	<0.009	<0.013	<0.012	<0.010	NT	NT	NT	NT	<0.010	<0.007
n-Butylbenzene	1,000	500	14	<0.003	<0.003	NT	<0.002	UJ	<0.003	<0.002	NT	NT	NT	NT	<0.002	<0.002
sec-Butylbenzene	1,000	500	14	<0.003	<0.003	NT	<0.002	UJ	<0.003	<0.002	NT	NT	NT	NT	<0.002	<0.002
tert-Butylbenzene	1,000	500	14	<0.003	<0.003	NT	<0.002	UJ	<0.003	<0.002	NT	NT	NT	NT	<0.002	<0.002
Carbon Tetrachloride	44	4.7	1.0	<0.003	<0.003	NT	<0.002	UJ	<0.003	<0.002	NT	NT	NT	NT	<0.002	<0.002
Chlorodibromomethane	68	7.3	0.10	<0.002	<0.002	NT	<0.001	<0.002	<0.002	<0.001	NT	NT	NT	NT	<0.001	<0.001
Chloroform	940	100	1.2	<0.005	0.007	NT	<0.004	<0.005	<0.005	<0.004	NT	NT	NT	NT	<0.004	<0.003
Chloromethane	440	47	0.54	<0.011	<0.011	NT	<0.009	<0.013	<0.012	<0.010	NT	NT	NT	NT	<0.010	<0.007
1,2-Dibromo-3-Chloropropane	4.1	0.44	-	<0.003	<0.003	NT	<0.002	UJ	<0.003	<0.002	NT	NT	NT	NT	<0.002	<0.002
1,2-Dibromoethane	0.067	0.007	-	<0.002	<0.002	NT	<0.001	<0.002	<0.002	<0.001	NT	NT	NT	NT	<0.001	<0.001
cis-1,2-Dichloroethylene	1,000	500	14	<0.003	<0.003	NT	<0.002	<0.003	<0.003	<0.002	NT	NT	NT	NT	<0.002	<0.002
1,2-Dichloropropane	84	9.0	1.0	<0.003	0.003	NT	<0.002	<0.003	<0.003	<0.002	NT	NT	NT	NT	<0.002	<0.002
1,3-Dichloropropane	-	-	0.1	<0.002	<0.002	NT	<0.001	<0.002	<0.002	<0.001	NT	NT	NT	NT	<0.001	<0.001
Ethyl Benzene	1,000	500	10	<0.003	<0.003	NT	<0.002	UJ	<0.003	<0.002	NT	NT	NT	NT	<0.002	<0.002
Isopropylbenzene	1,000	500	130	<0.003	<0.003	NT	<0.002	UJ	<0.003	<0.002	NT	NT	NT	NT	<0.002	<0.002
p-Isopropyltoluene	1,000	500	14	<0.003	<0.003	NT	<0.002	UJ	<0.003	<0.002	NT	NT	NT	NT	<0.002	<0.002
Methylene Chloride	760	82	1.0	<0.021	<0.022	NT	<0.017	UJ	<0.025	<0.020	UJ	NT	NT	NT	<0.020	<0.013
Naphthalene	2,500	1,000	56	<0.011	<0.011	NT	<0.009	UJ	<0.013	<0.010	NT	NT	NT	NT	<0.010	<0.007
n-Propylbenzene	1,000	500	14	<0.003	<0.003	NT	<0.002	<0.003	<0.003	<0.002	NT	NT	NT	NT	<0.002	<0.002
1,1,1,2-Tetrachloroethane	220	24	0.20	<0.003	<0.003	NT	<0.002	<0.003	<0.003	<0.002	NT	NT	NT	NT	<0.002	<0.002
1,1,2,2-Tetrachloroethane	29	3.1	0.10	<0.002	<0.002	NT	<0.001	<0.002	<0.002	<0.001	NT	NT	NT	NT	<0.001	<0.001
Tetrachloroethylene	110	12	1.0	0.007	0.021	NT	<0.002	UJ	<0.003	<0.002	NT	NT	NT	NT	<0.002	<0.002
Toluene	1,000	500	67	<0.003	<0.003	NT	<0.002	<0.003	<0.003	<0.002	NT	NT	NT	NT	<0.002	<0.002
Trichloroethylene	520	56	1.0	0.063	27	NT	<0.002	<0.003	<0.003	<0.002	NT	NT	NT	NT	<0.002	<0.002
1,2,4-Trimethylbenzene	1,000	500	70	<0.003	<0.003	NT	<0.002	UJ	<0.003	<0.002	NT	NT	NT	NT	<0.002	<0.002
1,3,5-Trimethylbenzene	1,000	500	70	<0.003	<0.003	NT	<0.002	UJ	<0.003	<0.002	NT	NT	NT	NT	<0.002	<0.002
Vinyl Chloride	3.0	0.32	0.40	<0.011	<0.011	NT	<0.009	<0.013	<0.012	<0.010	NT	NT	NT	NT	<0.010	<0.007
m + p Xylene	1,000	500	20	<0.005	<0.005	NT	<0.004	UJ	<0.005	<0.004	NT	NT	NT	NT	<0.004	<0.003
o-Xylene	1,000	500	20	<0.003	<0.003	NT	<0.002	UJ	<0.003	<0.002	NT	NT	NT	NT	<0.002	<0.002
VOCs - (self-implementing)																
sp/p 8260 (ug/l)																
Acetone	-	-	7000	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
n-Butylbenzene	-	-	610	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
tert-Butylbenzene	-	-	610	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Carbon Disulfide	-	-	7000	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
cis-1,2-Dichloroethylene	-	-	700	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
p-Isopropyltoluene	-	-	700	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methylene Chloride	-	-	50	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naphthalene	-	-	2800	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tetrachloroethylene	-	-	50	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichloroethylene	-	-	50	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,2,4-Trimethylbenzene	-	-	3500	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,3,5-Trimethylbenzene	-	-	3500	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Vinyl Chloride	-	-	20	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
o-Xylene	-	-	5300	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
METALS - TOTAL (mg/kg)																
ag (mg/kg) dw icp (mg/kg dry wt)																
Silver	10,000	340	7.20	NT	NT	NT	NT	NT	NT	NT	22.9	3.41	20.3	5.18	<0.54	<0.55
as (mg/kg) dw icp (mg/kg dry wt)																
Arsenic	10.0	10.0	10.00	NT	NT	NT	NT	NT	NT	NT	8.39	6.93	<5.56	<6.47	<5.36	<5.41
ba (mg/kg) dw icp (mg/kg dry wt)																
Barium	140,000	4,700	200.00	NT	NT	NT	NT	NT	NT	NT	114	138	70.1	183	33.0	37.1
be (mg/kg) dw icp (mg/kg dry wt)																
Beryllium	2.00	2.00	0.80	NT	NT	NT	NT	NT	NT	NT	0.68	0.72	0.48	0.83	0.29	<0.28
cd (mg/kg) dw icp (mg/kg dry wt)																
Cadmium	1,000	34.0	1.00	NT	NT	NT	NT	NT	NT	NT	<0.60	<0.60	1.44	<0.65	<0.54	<0.55
cr (mg/kg) dw icp (mg/kg dry wt)																
Chromium	-	-	10.00	NT	NT	NT	NT	NT	NT	NT	23.2	58.1	91.6	31.1	7.80	7.64
cu (mg/kg) dw icp (mg/kg dry wt)																
Copper	76,000	2,500	260.00	NT	NT	NT	NT	NT	NT	NT	600	205	752	238	9.35	11.0
hg (mg/kg) dw icp (mg/kg dry wt)																
Mercury	610	20.0	0.40	NT	NT	NT	NT	NT	NT	NT	0.156	0.303	0.797	0.223	0.008	<0.008
ni (mg/kg) dw icp (mg/kg dry wt)																
Nickel	7,500	1,400	20.00	NT	NT	NT	NT	NT	NT	NT	353	35.8	29.2	21.1	7.43	8.00
pb (mg/kg) dw icp (mg/kg dry wt)																
Lead	1,000	400	3.00	NT	NT	NT	NT	NT	NT	NT	336	144	352	53.0	3.67	6.04
sb (mg/kg) dw icp (mg/kg dry wt)																
Antimony	8,200	27.0	1.20	NT	NT	NT	NT	NT	NT	NT	41.6	6.18	7.36	<5.17*	<4.29*	<4.33*
v (mg/kg) dw icp (mg/kg dry wt)																
Vanadium	14,000	470	10.00	NT	NT	NT	NT	NT	NT	NT	52.1	53.1	56.9	59.7	15.0	15.4
zn (mg/kg) dw icp (mg/kg dry wt)																
Zinc	610,000	20,000	1000.00	NT	NT	NT	NT	NT	NT	NT	573	102	338	143	18.6	20.5

Table 4
Analytical Summary - Soil Samples
International Silver Company, Factory H
Meriden, Connecticut
Metcalf Eddy, Inc.
March 2007

Parameter	RSR DEC			AOC-24			AOC-30				AOC-SAC		AOC-SAE		AOC-SAH	
	UC DEC	R DEC	GB PMC	AOC-24-SS1	AOC-24-MW1 2-4	AOC-24-MW1 4-6	AOC-30-SS1 MS/MSD	AOC-30-SS1DUP	AOC-30-MW1 2-4	AOC-30-MW1 5-7	AOC-SAC-SS1	AOC-SAC-SB1 2-4	AOC-SAE-SB1 0-2	AOC-SAE-SB1 2-4	SAH-SB1 0-2	AOC-SA-H-SB01 2-4
Sampling Date				3/29/06	3/29/06	3/29/06	3/30/06	3/30/06	3/30/06	3/30/06	3/29/06	3/29/06	3/29/06	3/29/06	3/31/06	3/30/06
Sample Depth (feet)				0-0.5	2-4	4-6	0-0.5	0-0.5	2-4	5-7	0-0.5	2-4	0-2	2-4	2-4	2-4
Laboratory Report Number				LIMS-96359, LIMS-96661	LIMS-96359, LIMS-96661	LIMS-96358	LIMS-96356	LIMS-96356	LIMS-96356	LIMS-96356	LIMS-96359, LIMS-96668	LIMS-96359	LIMS-96359, LIMS-96668	LIMS-96359	LIMS-96388	LIMS-96357, LIMS-96668
METALS - (SPLP)																
<i>splp - beryllium (mg/l)</i>																
Beryllium	-	-	0.04	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.0010	NT	NT	NT
<i>splp - cd low (mg/l leachate)</i>																
Cadmium	-	-	0.05	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.003	NT	NT	NT
<i>splp - chromium (mg/l leachate)</i>																
Chromium	-	-	0.50	NT	NT	NT	NT	NT	NT	NT	<0.03	NT	<0.03	NT	NT	NT
<i>splp - copper (mg/l leachate)</i>																
Copper	-	-	13.00	NT	NT	NT	NT	NT	NT	NT	2.37	NT	0.60	NT	NT	NT
<i>splp - lead icp (mg/l leachate)</i>																
Lead	-	-	0.15	NT	NT	NT	NT	NT	NT	NT	5.53*	NT	0.10	NT	NT	<0.01
<i>splp - nickel (mg/l leachate)</i>																
Nickel	-	-	1.00	NT	NT	NT	NT	NT	NT	NT	0.14	NT	<0.03	NT	NT	NT
<i>splp - sb furn (mg/l)</i>																
Antimony	-	-	0.06	NT	NT	NT	NT	NT	NT	NT	0.0997	NT	0.0098	NT	NT	0.0089
<i>splp - silver (mg/l leachate)</i>																
Silver	-	-	0.36	NT	NT	NT	NT	NT	NT	NT	<0.03	NT	<0.03	NT	NT	NT
<i>splp - tl furn (mg/l)</i>																
Thallium	-	-	0.05	NT	NT	NT	NT	NT	NT	NT	<0.0005	NT	<0.0005	NT	NT	<0.0005
<i>splp - vanadium (mg/l leachate)</i>																
Vanadium	-	-	0.50	NT	NT	NT	NT	NT	NT	NT	<0.03	NT	<0.03	NT	NT	<0.03
<i>splp barium icp (mg/l leachate)</i>																
Barium	-	-	10.00	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
<i>splp mercury (mg/l leachate)</i>																
Mercury	-	-	0.02	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.00012	NT	NT	NT
PAHs - MASS																
<i>pah - sludge (mg/kg dry wt)</i>																
Acenaphthene	2,500	1,000	84	<1.82	<0.94	<0.30	NT	NT	NT	NT	<0.20	<0.20	NT	NT	NT	NT
Acenaphthylene	2,500	1,000	84	<1.82	<0.94	<0.30	NT	NT	NT	NT	<0.20	<0.20	NT	NT	NT	NT
Anthracene	2,500	1,000	400	<1.82	1.28	<0.30	NT	NT	NT	NT	<0.20	<0.20	NT	NT	NT	NT
Benzo(a)anthracene	7.80	1.00	1	2.27	2.19	<0.30	NT	NT	NT	NT	<0.20	0.28	NT	NT	NT	NT
Benzo(a)pyrene	1.00	1.00	1	1.99	1.98	<0.30	NT	NT	NT	NT	<0.20	0.22	NT	NT	NT	NT
Benzo(b)fluoranthene	7.80	1.00	1	2.43	2.7	<0.30	NT	NT	NT	NT	<0.20	0.32	NT	NT	NT	NT
Benzo(g,h,i)perylene	2,500	1,000	42	<1.82	<0.94	<0.30	NT	NT	NT	NT	<0.20	<0.20	NT	NT	NT	NT
Benzo(k)fluoranthene	78.0	8.40	1	<1.82*	1.08	<0.30	NT	NT	NT	NT	<0.20	<0.20	NT	NT	NT	NT
Chrysene	780	84.0	1	2.44	2.23	<0.30	NT	NT	NT	NT	<0.20	0.26	NT	NT	NT	NT
Dibenz(a,h)anthracene	1.00	1.00	1	<1.82*	<0.94	<0.30	NT	NT	NT	NT	<0.20	<0.20	NT	NT	NT	NT
Fluoranthene	2,500	1,000	56	4.93	5.02	<0.30	NT	NT	NT	NT	<0.20	0.37	NT	NT	NT	NT
Fluorene	2,500	1,000	56	<1.82	<0.94	<0.30	NT	NT	NT	NT	<0.20	<0.20	NT	NT	NT	NT
Indeno(1,2,3-cd)pyrene	7.80	1.00	1	<1.82*	<0.94	<0.30	NT	NT	NT	NT	<0.20	<0.20	NT	NT	NT	NT
2-Methylnaphthalene	2,500	474	9.8	<1.82	<0.94	<0.30	NT	NT	NT	NT	<0.20	<0.20	NT	NT	NT	NT
Naphthalene	2,500	1,000	56	<1.82	<0.94	<0.30	NT	NT	NT	NT	<0.20	<0.20	NT	NT	NT	NT
Phenanthrene	2,500	1,000	40	5.29	5.26	<0.30	NT	NT	NT	NT	<0.20	<0.20	NT	NT	NT	NT
Pyrene	2,500	1,000	40	4.99	4.69	<0.30	NT	NT	NT	NT	<0.20	0.38	NT	NT	NT	NT
PAHs - (self-implementing)																
<i>splp - pah (ug/l)</i>																
Acenaphthene	-	-	4200	<0.30	<0.30	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Acenaphthylene	-	-	4200	<0.30	<0.30	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Anthracene	-	-	20000	<0.20	<0.20	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo(a)anthracene	-	-	0.6	<0.050	<0.050	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo(a)pyrene	-	-	2.0	<0.100	<0.100	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo(b)fluoranthene	-	-	0.8	<0.050	<0.050	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo(g,h,i)perylene	-	-	2100	<0.500	<0.500	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo(k)fluoranthene	-	-	5.0	<0.200	<0.200	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chrysene	-	-	48	<0.20	<0.20	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dibenz(a,h)anthracene	-	-	5.0	<0.500	<0.500	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluoranthene	-	-	2800	<0.50	<0.50	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluorene	-	-	2800	<1.00	<1.00	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Indeno(1,2,3-cd)pyrene	-	-	5.0	<0.500	<0.500	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Methylnaphthalene	-	-	49	<1.00	<1.00	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naphthalene	-	-	2800	<1.00	<1.00	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phenanthrene	-	-	2000	<0.10	<0.10	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Pyrene	-	-	2000	<1.00	<1.00	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Method 600/R-93/116																
Asbestos	-	-	-	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
<i>cyanide-tot sludg (mg/kg dry wt)</i>																
Cyanide - None detected	41000	1400	-	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
<i>etph dry weight (mg/kg dry weight)</i>																
Extractable TPH (ETPH)	2,500	500	2500	400	180	91	J	120	210	100	<13	91	110	21	<11	
<i>solids (percent) (%)</i>																
Solids, total	-	-	-	92.0	88.7	56.0		91.0	90.4	77.7	82.0	J	83.6	83.6	90.0	92.6

Table 4
Analytical Summary - Soil Samples
International Silver Company, Factory H
Meriden, Connecticut
Metcalf Eddy, Inc.
March 2007

Parameter	RSR DEC			AOC-SAM			AOC-SAN		AOC-SAO		AOC-SAP		AOC-SAT		AOC-25		
	UC DEC	R DEC	GB PMC	AOC-SA-M-SB1 0-2	AOC-SA-M SB1 2-4	AOC-SA-M-SB-02	AOC-SAN-SS1	AOC-SAN-SS-2	AOC-SAO-SB1 0-2	AOC-SAO-SB1-2-4	AOC-SAP-SS1	AOC-SAP-SS2	AOC-SAT-SS1	AOC-SA-T-03	AOC-SA-T-04	MW-100 11.5 -13.5	MW-107 6-8
Sampling Date				3/29/06	3/29/06	5/10/06	3/31/06	3/31/06	3/30/06	3/30/06	3/29/06	3/29/06	3/31/06	3/30/06	3/30/06	11/23/06	11/23/06
Sample Depth (feet)				0-2	2-4	0-1	0-0.5	0-0.5	0-2	2-4	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	11.5 -13.5	6-8
Laboratory Report Number				LIMS-96358, LIMS-96679, LIMS-	LIMS-96358	LIMS-97315	LIMS-96388, LIMS-96737	LIMS-96392	LIMS-96356, LIMS-96679	LIMS-96356, LIMS-96679	LIMS-96360	LIMS-96360	LIMS-96388	LIMS-96357, LIMS-96668	LIMS-96357	LIMIT-01995	LIMIT-01995
VOCs - MASS																	
260 dry weight (mg/kg dry wt)																	
Acrylonitrile	11	1.1	0.10	<0.019*	NT	<0.022*	NT	NT	<0.013*	<0.026*	NT	NT	NT	NT	NT	<0.021	<0.025
tert-Amyl methyl Ether	~	~	~	<0.001	NT	<0.002	NT	NT	<0.001	<0.002	NT	NT	NT	NT	NT	<0.001	<0.002
Benzene	200	21	0.20	<0.002	NT	<0.003	NT	NT	<0.001	<0.003	NT	NT	NT	NT	NT	<0.002	<0.003
Bromodichloromethane	92	9.9	0.11	<0.002	NT	<0.003	NT	NT	<0.001	<0.003	NT	NT	NT	NT	NT	<0.002	<0.003
Bromomethane	1,000	95	2.0	<0.010	NT	<0.011	NT	NT	<0.006	<0.013	NT	NT	NT	NT	NT	<0.011	<0.013
n-Butylbenzene	1,000	500	14	<0.002	NT	<0.003	NT	NT	<0.001	<0.003	NT	NT	NT	NT	NT	<0.002	<0.003
sec-Butylbenzene	1,000	500	14	<0.002	NT	<0.003	NT	NT	<0.001	<0.003	NT	NT	NT	NT	NT	<0.002	<0.003
tert-Butylbenzene	1,000	500	14	<0.002	NT	<0.003	NT	NT	<0.001	<0.003	NT	NT	NT	NT	NT	<0.002	<0.003
Carbon Tetrachloride	44	4.7	1.0	<0.002	NT	<0.003	NT	NT	<0.001	<0.003	NT	NT	NT	NT	NT	<0.002	<0.003
Chlorodibromomethane	68	7.3	0.10	<0.001	NT	<0.002	NT	NT	<0.001	<0.002	NT	NT	NT	NT	NT	<0.001	<0.002
Chloroform	940	100	1.2	<0.004	NT	<0.005	NT	NT	<0.003	<0.006	NT	NT	NT	NT	NT	<0.004	<0.005
Chloromethane	440	47	0.54	<0.010	NT	<0.011	NT	NT	<0.006	<0.013	NT	NT	NT	NT	NT	<0.011	<0.013
1,2-Dibromo-3-Chloropropane	4.1	0.44	~	<0.002	NT	<0.003	NT	NT	<0.001	<0.003	NT	NT	NT	NT	NT	<0.002	<0.003
1,2-Dibromoethane	0.067	0.007	~	<0.001	NT	<0.002	NT	NT	<0.001	<0.002	NT	NT	NT	NT	NT	<0.001	<0.002
cis-1,2-Dichloroethylene	1,000	500	14	<0.006	NT	<0.003	NT	NT	<0.001	<0.003	NT	NT	NT	NT	NT	<0.002	<0.003
1,2-Dichloropropane	84	9.0	1.0	<0.002	NT	<0.003	NT	NT	<0.001	<0.003	NT	NT	NT	NT	NT	<0.002	<0.003
1,3-Dichloropropane	~	~	0.1	<0.001	NT	<0.002	NT	NT	<0.001	<0.002	NT	NT	NT	NT	NT	<0.001	<0.002
Ethyl Benzene	1,000	500	10	<0.002	NT	<0.003	NT	NT	<0.001	<0.003	NT	NT	NT	NT	NT	<0.002	<0.003
Isopropylbenzene	1,000	500	130	<0.002	NT	<0.003	NT	NT	<0.001	<0.003	NT	NT	NT	NT	NT	<0.002	<0.003
p-Isopropyltoluene	1,000	500	14	<0.002	NT	<0.003	NT	NT	<0.001	<0.003	NT	NT	NT	NT	NT	<0.002	<0.003
Methylene Chloride	760	82	1.0	<0.019	NT	<0.022	NT	NT	<0.013	UU	<0.026	UU	NT	NT	NT	<0.021	<0.025
Naphthalene	2,500	1,000	56	<0.010	NT	<0.011	NT	NT	0.062	<0.013	NT	NT	NT	NT	NT	<0.004	<0.005
n-Propylbenzene	1,000	500	14	<0.002	NT	<0.003	NT	NT	<0.001	<0.003	NT	NT	NT	NT	NT	<0.002	<0.003
1,1,1,2-Tetrachloroethane	220	24	0.20	<0.002	NT	<0.003	NT	NT	<0.001	<0.003	NT	NT	NT	NT	NT	<0.002	<0.003
1,1,2,2-Tetrachloroethane	29	3.1	0.10	<0.001	NT	<0.002	NT	NT	<0.001	<0.002	NT	NT	NT	NT	NT	<0.001	<0.002
Tetrachloroethylene	110	12	1.0	0.021	NT	<0.003	NT	NT	<0.001	<0.003	NT	NT	NT	NT	NT	0.008	<0.003
Toluene	1,000	500	67	<0.002	NT	<0.003	NT	NT	<0.001	<0.003	NT	NT	NT	NT	NT	<0.002	<0.003
Trichloroethylene	520	56	1.0	0.034	NT	<0.003	NT	NT	<0.001	<0.003	NT	NT	NT	NT	NT	0.007	<0.003
1,2,4-Trimethylbenzene	1,000	500	70	<0.002	NT	<0.003	NT	NT	<0.001	<0.003	NT	NT	NT	NT	NT	<0.002	<0.003
1,3,5-Trimethylbenzene	1,000	500	70	<0.002	NT	<0.003	NT	NT	<0.001	<0.003	NT	NT	NT	NT	NT	<0.002	<0.003
Vinyl Chloride	3.0	0.32	0.40	<0.010	NT	<0.011	NT	NT	<0.006	<0.013	NT	NT	NT	NT	NT	<0.011	<0.013
m + p Xylene	1,000	500	20	<0.004	NT	<0.005	NT	NT	<0.003	<0.006	NT	NT	NT	NT	NT	<0.004	<0.005
p-Xylene	1,000	500	20	<0.002	NT	<0.003	NT	NT	<0.001	<0.003	NT	NT	NT	NT	NT	<0.002	<0.003
VOCs - (self-implementing)																	
sp/p 8260 (ug/l)			GWPC X 10														
Acetone	~	~	7000	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
n-Butylbenzene	~	~	610	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
tert-Butylbenzene	~	~	610	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Carbon Disulfide	~	~	7000	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
cis-1,2-Dichloroethylene	~	~	700	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
p-Isopropyltoluene	~	~	700	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methylene Chloride	~	~	50	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naphthalene	~	~	2800	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tetrachloroethylene	~	~	50	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichloroethylene	~	~	50	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,2,4-Trimethylbenzene	~	~	3500	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,3,5-Trimethylbenzene	~	~	3500	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Vinyl Chloride	~	~	20	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
p-Xylene	~	~	5300	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
METALS - TOTAL (mg/kg)			PMC X 20 (screening)														
ag (mg/kg)dw icp (mg/kg dry wt)																	
Silver	10,000	340	7.20	4.94	<0.59	2.75	NT	NT	17.8	<0.68	NT	NT	NT	NT	NT	NT	NT
as (mg/kg)dw icp (mg/kg dry wt)																	
Arsenic	10.0	10.0	10.00	<5.67	<5.85	7.76	NT	NT	<5.66	<6.72	NT	NT	NT	NT	NT	NT	NT
ba (mg/kg)dw icp (mg/kg dry wt)																	
Barium	140,000	4,700	200.00	145	116	304	NT	NT	106	263	NT	NT	NT	NT	NT	NT	NT
be (mg/kg)dw icp (mg/kg dry wt)																	
Beryllium	2.00	2.00	0.80	0.50	0.96	0.48	NT	NT	0.69	0.76	NT	NT	NT	NT	NT	NT	NT
cd (mg/kg)dw icp (mg/kg dry wt)																	
Cadmium	1,000	34.0	1.00	<0.57	<0.59	0.78	NT	NT	0.68	<0.68	NT	NT	NT	NT	NT	NT	NT
cr (mg/kg)dw icp (mg/kg dry wt)																	
Chromium	~	~	10.00	19.7	14.2	14.7	NT	NT	66.6	31.1	NT	NT	NT	NT	NT	NT	NT
cu (mg/kg)dw icp (mg/kg dry wt)																	
Copper	76,000	2,500	260.00	410	37.9	194	NT	NT	1,200	33.1	NT	NT	NT	NT	NT	NT	NT
hg (mg/kg) dw (mg/kg dry wt)																	
Mercury	610	20.0	0.40	0.236	0.061	0.393	NT	NT	0.406	0.059	NT	NT	NT	NT	NT	NT	NT
ni (mg/kg)dw icp (mg/kg dry wt)																	
Nickel	7,500	1,400	20.00	98.6	16.1	32.6	NT	NT	117	27.3	NT	NT	NT	NT	NT	NT	NT
pb (mg/kg)dw icp (mg/kg dry wt)																	
Lead	1,000	400	3.00	162	20.1	333	362	J	241	38.1	NT	NT	344	406	131	NT	NT

Table 4
Analytical Summary - Soil Samples
International Silver Company, Factory H
Meriden, Connecticut
Metcalf Eddy, Inc.
March 2007

Parameter	RSR DEC			AOC-SAM			AOC-SAN		AOC-SAO		AOC-SAP		AOC-SAT			AOC-25	
	UC DEC	R DEC	GB PMC	AOC-SA-M-SB1 0-2	AOC-SA-M SB1 2-4	AOC-SA-M-SB-02	AOC-SAN-SS1	AOC-SAN-SS-2	AOC-SAO-SB1 0-2	AOC-SAO-SB1-2-4	AOC-SAP-SS1	AOC-SAP-SS2	AOC-SAT-SS1	AOC-SA-T-03	AOC-SA-T-04	MW-100 11.5 -13.5	MW-107 6-8
Sampling Date				3/29/06	3/29/06	5/10/06	3/31/06	3/31/06	3/30/06	3/30/06	3/29/06	3/29/06	3/31/06	3/30/06	3/30/06	11/23/06	11/23/06
Sample Depth (feet)				0-2	2-4	0-1	0-0.5	0-0.5	0-2	2-4	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	11.5 -13.5	6-8
Laboratory Report Number				LIMS-96358, LIMS-96679, LIMS-	LIMS-96358	LIMS-97315	LIMS-96388, LIMS-96737	LIMS-96392	LIMS-96356, LIMS-96679	LIMS-96356, LIMS-96679	LIMS-96360	LIMS-96360	LIMS-96388	LIMS-96357, LIMS-96668	LIMS-96357	LIMIT- 01995	LIMIT- 01995
METALS - (SPLP)																	
<i>splp - beryllium (mg/l)</i>				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
<i>splp - cd low (mg/l leachate)</i>				<0.03	NT	NT	NT	NT	<0.02	<0.02	NT	NT	NT	NT	NT	NT	NT
<i>splp - chromium (mg/l leachate)</i>				0.50	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
<i>splp - copper (mg/l leachate)</i>				13.00	0.49	NT	NT	NT	0.40	NT	NT	NT	NT	NT	NT	NT	NT
<i>splp - lead icp (mg/l leachate)</i>				0.15	0.05	NT	NT	0.02	0.05	<0.01	NT	NT	NT	0.03	NT	NT	NT
<i>splp - nickel (mg/l leachate)</i>				1.00	0.03	NT	NT	NT	0.04	0.05	NT	NT	NT	NT	NT	NT	NT
<i>splp - sb furn (mg/l)</i>				0.06	0.0071	NT	NT	NT	0.0115	0.0057	NT	NT	NT	NT	NT	NT	NT
<i>splp - silver (mg/l leachate)</i>				0.36	NT	NT	NT	NT	<0.02	NT	NT	NT	NT	NT	NT	NT	NT
<i>splp - tl furn (mg/l)</i>				0.05	<0.0005	NT	NT	NT	<0.0005	<0.0005	NT	NT	NT	NT	NT	NT	NT
<i>splp - vanadium (mg/l leachate)</i>				0.50	<0.03	NT	NT	NT	<0.02	<0.02	NT	NT	NT	NT	NT	NT	NT
<i>splp barium icp (mg/l leachate)</i>				10.00	NT	NT	NT	NT	NT	0.63	NT	NT	NT	NT	NT	NT	NT
<i>splp mercury (mg/l leachate)</i>				0.02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
PAHs - MASS																	
<i>pah - sludge (mg/kg dry wt)</i>																	
Acenaphthene	2,500	1,000	84	<0.38	<0.20	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Acenaphthylene	2,500	1,000	84	<0.38	<0.20	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Anthracene	2,500	1,000	400	<0.38	<0.20	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo(a)anthracene	7.80	1.00	1	1.09	<0.20	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo(a)pyrene	1.00	1.00	1	1.12	<0.20	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo(b)fluoranthene	7.80	1.00	1	1.43	<0.20	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo(b)perylene	2,500	1,000	42	0.82	<0.20	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo(k)fluoranthene	78.0	8.40	1	0.64	<0.20	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chrysene	780	84.0	1	1.15	<0.20	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dibenz(a,h)anthracene	1.00	1.00	1	<0.38	<0.20	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluoranthene	2,500	1,000	56	1.86	<0.20	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluorene	2,500	1,000	56	<0.38	<0.20	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Indeno(1,2,3-cd)pyrene	7.80	1.00	1	0.72	<0.20	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Methylnaphthalene	2,500	474	9.8	<0.38	<0.20	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naphthalene	2,500	1,000	56	<0.38	<0.20	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phenanthrene	2,500	1,000	40	1.02	<0.20	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Pyrene	2,500	1,000	40	1.90	<0.20	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
PAHs - (self-implementing)																	
<i>splp - pah (ug/l)</i>				GWPC X 10													
Acenaphthene				4200	<0.30	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Acenaphthylene				4200	<0.30	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Anthracene				20000	<0.20	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo(a)anthracene				0.6	<0.050	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo(a)pyrene				2.0	<0.100	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo(b)fluoranthene				0.8	<0.050	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo(g,h,i)perylene				2100	<0.500	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo(k)fluoranthene				5.0	<0.200	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chrysene				48	<0.20	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dibenz(a,h)anthracene				5.0	<0.500	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluoranthene				2800	<0.50	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluorene				2800	<1.00	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Indeno(1,2,3-cd)pyrene				5.0	<0.500	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Methylnaphthalene				49	<1.00	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naphthalene				2800	<1.00	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phenanthrene				2000	<0.10	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Pyrene				2000	<1.00	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Method 600/R-93/116																	
Asbestos				NT	NT	NT	ND	Chrysotile - trace Anosite - trace	NT	NT	ND	ND	ND	Chrysotile - trace	ND	NT	NT
<i>cyanide-tot sludg (mg/kg dry wt)</i>				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Cyanide - None detected	41000	1400		NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
<i>elph dry weight (mg/kg dry weight)</i>				210	<12	NT	NT	NT	1,700	41	NT	NT	NT	NT	NT	NT	NT
Extractable TPH (ETPH)	2,500	500	2500														
<i>solids (percent) (%)</i>				88.3	85.6	NT	65.1	86.3	88.4	74.4	NT	NT	89.5	74.8	64.5	79.6	79.7

**Table 5 - Summary of RSR Exceedances in Soil
International Silver Company, Factory H
Meriden, Connecticut
Metcalf Eddy, Inc.
March 2007**

AOC/Sample ID	Sample Depth	Criteria Exceeded and Parameter(s) in Exceedance		
		Parameter(s) Exceeding R DEC	Parameter(s) Exceeding I/C DEC	Parameter(s) Exceeding GB PMC
AOC-1-SB-01 4-6	4-6	PAHs	PAHs	None
AOC-1-SB-01 6-6	6	None	None	None
AOC-1-SB-02 2-4	2-4	PAHs	PAHs	None
AOC-1-SB-02 8-10	8-10	ETPH	ETPH	ETPH (mass)
AOC-1-SB-02 10-12	10-12	None	None	None
AOC-1-SB-03 0-2	0-2	PAHs, ETPH	PAHs	Lead*, ETPH (mass)
AOC-1-SB-03 10-12	10-12	None	None	None
AOC-2-SS-01	0-0.5	PAHs, ETPH	PAHs	Lead*
AOC-2-SB-01 5.5-6	5.5-6	PAHs	PAHs	PAHs (mass)
AOC-2-SB01 6-8	6-8	ETPH	ETPH	ETPH (mass)
AOC-3-SB/MW-01 2-4	2-4	None	None	Chromium*, Lead* Vanadium*
AOC-3-SB/MW-01 6-8	6-8	None	None	Chromium*, Lead*, Vanadium*
(AOC-3) MW-N-Wall	11'	None	None	None
(AOC-3) MW-S-Wall	11'	None	None	None
(AOC-4) UST-W-WALL	4.5	None	None	None
(AOC-4) UST-E-WALL	4.5	None	None	None
(AOC-4) UST-S-WALL	4.5	None	None	None
(AOC-4) UST-N-WALL	4.5	None	None	None
(AOC-4) UST-BOTTOM	4.5	None	None	None
AOC-5-SS-01	0-0.5	PAHs, ETPH	PAHs	PAHs (mass)
AOC-5-SB-01 2-4	2-4	PAHs	PAHs	PAHs (mass)
AOC-5-SB-01 10-12	10-12	None	None	None
AOC-5-SB-02 2-4	2-4	ETPH, PAHs	PAHs	Silver*, Copper*, Nickel*, Lead* Vanadium*
AOC-5-SB-02 9-11	9-11	ETPH	None	Chromium*, Lead*, Vanadium*
AOC-5-RB1 2-4	2-4	None	None	None
AOC-5-RB2 2-4	2-4	None	None	None
(AOC-5) TP-S-1	No data	No data	No data	No data
(AOC-6) PX-GP-4	2-2.5	Copper	None	None
(AOC-6) PX-GP-4	2.5-4	None	None	None

**Table 5 - Summary of RSR Exceedances in Soil
International Silver Company, Factory H
Meriden, Connecticut
Metcalf Eddy, Inc.
March 2007**

AOC/Sample ID	Sample Depth	Criteria Exceeded and Parameter(s) in Exceedance		
		Parameter(s) Exceeding R DEC	Parameter(s) Exceeding I/C DEC	Parameter(s) Exceeding GB PMC
(AOC-6) PX-GP-4	4-5.5	ETPH, PAHs, Arsenic	Arsenic	None
(AOC-6) PX-GP-3	2-2.5	Arsenic	Arsenic	None
(AOC-6) PX-GP-3	2.5-4	Arsenic	Arsenic	None
(AOC-6) PX-GP-3	4-5.5	None	None	None
(AOC-6) PX-GP-1	2.5-4	None	None	None
(AOC-6) PX-GP-1	4-5.5	Lead	None	None
AOC-10-SS-01	0-0.5	None	None	Lead*
AOC-10-SS-02	0-0.5	PAHs	None	Silver*, Chromium*, Copper*, Nickel*, Lead*, Vanadium*, PAHs (mass)
AOC-11-SS-01DUP	0-0.5	ETPH	None	Chromium*, Nickel*, Lead*, Vanadium*
AOC-11-SS-01	0-0.5	ETPH	None	Chromium*, Nickel*, Lead*, Vanadium*, Silver*
AOC-11-SS-02	0-0.5	ETPH	None	Beryllium*, Chromium*, Lead*, Vanadium*
AOC-11-SB-02 2-4	2-4	Lead	None	Barium*, Chromium*, Vanadium*
AOC-11-SB-02 8-10	8-10	None	None	Chromium, Lead*, Vanadium*
AOC-11-SB/MW-01 4-6	4-6	None	None	Barium*, Beryllium*, Chromium*, Nickel*, Lead*
AOC-11-SB/MW-01 8-10	8-10	None	None	Chromium*, Nickel*, Lead*, Vanadium*
AOC-13-SS-01	0-0.5	None	None	Chromium*, Lead*, Vanadium*
AOC-13-SB-01 2-4	2-4	None	None	Barium*, Beryllium, Chromium*, Lead*, Vanadium*
AOC-13-SB-01 4-6	4-6	None	None	Chromium*, Lead*, Vanadium*
AOC-15-SS-01	0-0.5	None	None	Antimony*, Beryllium*, Copper*, Nickel*, Lead*, Vanadium*
AOC-15-SS-02 DUP	0-0.5	PAHs	None	Chromium*, Copper*, Nickel*, Lead*, Vanadium*, PAHs (mass)
AOC-15-SS-02	0-0.5	PAHs	None	Silver*, Chromium*, Copper*, Nickel*, Lead*, Vanadium*, PAHs (mass)
AOC-15-SS-03	0-0.5	Copper, PAHs	PAHs	Antimony*, Barium*, Chromium*, Nickel*, Lead*, Silver*, Vanadium*
AOC-15-SS-04	0-0.5	None	None	Chromium*, Nickel*, Lead*, Vanadium*
AOC-15-SS-05	0-0.5	None	None	Chromium*, Lead*, Nickel*, Vanadium*
AOC-15-SB-01 2-4	2-4	None	None	Chromium*, Lead*, Vanadium*
AOC-15-SB-02- 2-4	2-4	None	None	Lead*, Vanadium*
AOC-15-SB/MW-03 4-6	4-6	None	None	Barium*, Chromium*, Nickel*, Lead*, Vanadium*
AOC-15-SB/MW-03 2-4	2-4	PAHs, ETPH	PAHs	Chromium*, Nickel*, Lead*, Vanadium*, PAHs (mass)
AOC-15-SB-04 2-4	2-4	None	None	Chromium*, Lead*, Vanadium*

Table 5 - Summary of RSR Exceedances in Soil
International Silver Company, Factory H
Meriden, Connecticut
Metcalf Eddy, Inc.
March 2007

AOC/Sample ID	Sample Depth	Criteria Exceeded and Parameter(s) in Exceedence		
		Parameter(s) Exceeding R DEC	Parameter(s) Exceeding I/C DEC	Parameter(s) Exceeding GB PMC
AOC-15-SB-05 2-4	2-4	PAHs	None	Chromium*, Lead*, Vanadium*, PAHs (mass)
(AOC-15) MW-9	2'	TPH	None	Metals (mass analysis)
(AOC-15) MW-9	7'	None	None	Metals (mass analysis)
AOC-17-SS-01	0-0.5	None	None	Chromium*, Copper*, Nickel*, Lead*, Antimony*, Vanadium*
AOC-17-SS-02	0-0.5	Arsenic, Vanadium	Arsenic	Arsenic* SPLP Lead, SPLP Antimony
AOC-17-SB-01 5-7	5-7	None	None	Chromium*, Lead*, Vanadium*
AOC-17-SB-01 12-14	12-14	None	None	None
AOC-17-SB-02 2-4	2-4	None	None	Antimony*, Chromium*, Lead*, Vanadium*
AOC-17-SB-02 14-16	14-16	Tetrachloroethylene	None	Tetrachloroethylene, Trichloroethylene (mass)
AOC-17-SB-02 18-20	18-20	Tetrachloroethylene	None	Tetrachloroethylene, Trichloroethylene (mass)
(AOC-17) MW-6	N/A	Groundwater only	Groundwater only	Groundwater only
(AOC-17) MW-1	N/A	Groundwater only	Groundwater only	Groundwater only
AOC-19-SB-02 2-4	2-4	Lead	None	SPLP Lead
AOC-19-SB2 7-9	7-9	ETPH	ETPH	ETPH (mass)
AOC-19-SB3 2-4	2-4	PAHs	None	Chromium*, Nickel, Lead*, Vanadium*
AOC-19-SB3-8-10	8-10	None	None	Nickel*, Lead*, vanadium* Chromium*
AOC-19-SB/MW-01 2-4	2-4	Copper, PAHs	None	Chromium*, Copper*, Nickel*, Lead*, Silver*, Vanadium*, PAHs (mass)
AOC19-SB/MW-01 5-7	5-7	None	None	Chromium*, Nickel*, Lead*, Vanadium*
(AOC19) HS-D	No data	None	None	None
(AOC 19) HS-C	No data	None	None	None
(AOC 19) PX-GP-15	2-2.5	Copper	None	None
(AOC 19) PX-GP-15	2.5-4	None	None	None
(AOC 19) PX-GP-15	4-5.5	Copper	None	None
(AOC 19) PX-GP-2	2-2.5	None	None	None
(AOC 19) PX-GP-2	2.5-4	None	None	None
(AOC 19) PX-GP-2	4-5.5	Copper	None	None
(AOC 19) PX-GP-14	2-2.5	Copper	None	None
(AOC 19) PX-GP-14	2.5-4	Copper	None	None
(AOC 19) PX-GP-14	4-5.5	None	None	None

Table 5 - Summary of RSR Exceedances in Soil
International Silver Company, Factory H
Meriden, Connecticut
Metcalf Eddy, Inc.
March 2007

AOC/Sample ID	Sample Depth	Criteria Exceeded and Parameter(s) in Exceedance		
		Parameter(s) Exceeding R DEC	Parameter(s) Exceeding I/C DEC	Parameter(s) Exceeding GB PMC
(AOC 21) MW-5	N/A	GW only (no soil)	GW only (no soil)	GW only (no soil)
(AOC 21) MW-3	N/A	GW only (no soil)	GW only (no soil)	GW only (no soil)
AOC-24-SS-01	0-0.5	PAHs	PAHs	None
AOC-24-SB/MW-01 2-4	2-4	PAHs	PAHs	Trichloroethylene (mass)
AOC-24-SB/MW-01 4-6	4-6	None	None	None
AOC-30-SS-01	0-0.5	None	None	None
AOC-30-SS-01DUP	0-0.5	None	None	None
AOC-30-SB/MW-01 2-4	2-4	None	None	None
AOC-30-SB/MW-01 5-7	5-7	None	None	None
AOC-SA-C-SS-01	0-0.5	Antimony	None	SPLP Lead, SPLP Antimony
AOC-SA-C-SB-01 2-4	2-4	None	None	Chromium*, Nickel*, Lead*, Antimony*, Vanadium*
AOC-SA-E-SB-01 0-2	0-2	None	None	None
AOC-SA-E-SB-01 2-4	2-4	None	None	Beryllium*, Chromium*, Nickel*, Lead*, Vanadium*
(AOC-SA-E)-S-1	1	Copper, Nickel, ETPH	Nickel, ETPH	ETPH
AOC-SA-H-SB-01 0-2	0-2	None	None	Lead*, Vanadium*
AOC-SA-H-SB-01 2-4	2-4	None	None	Lead*, Vanadium*
(AOC-SA-H) S-2	No data	ETPH	ETPH	ETPH (mass)
AOC-SA-M-SB-01 0-2	0-2	PAHs	PAHs	Chromium*, Copper*, Nickel*, Lead*, Vanadium*
AOC-SA-M SB-01 2-4	2-4	None	None	Beryllium*, Chromium*, Lead*, Vanadium*
AOC-SA-M-SB-02	0-1	None	None	Barium*, Chromium*, Nickel*, Lead*, Vanadium*
(AOC-SA-M) -MW-11	2	Thallium	None	None
(AOC-SA-M) -MW-12	2	TPH	TPH	TPH
AOC-SA-N-SS-01	0-0.5	None	None	Lead*
AOC-SA-N-SS-02	0-0.5	None	None	Lead*
AOC-SA-O-SB-01 0-2	0-2	ETPH	None	Antimony*, Chromium*, Silver*, Nickel*, Lead*, Mercury* Vanadium*
AOC-SA-O-SB-01 2-4	2-4	None	None	Barium*, Nickel*, Chromium*, Lead*, Vanadium*
AOC-SA-P-SS-01	0-0.5	None	None	None
AOC-SA-P-SS-02	0-0.5	None	None	None
AOC-SA-T-SS-01	0-0.5	None	None	Lead*

**Table 5 - Summary of RSR Exceedances in Soil
International Silver Company, Factory H
Meriden, Connecticut
Metcalf Eddy, Inc.
March 2007**

AOC/Sample ID	Sample Depth	Criteria Exceeded and Parameter(s) in Exceedence		
		Parameter(s) Exceeding R DEC	Parameter(s) Exceeding I/C DEC	Parameter(s) Exceeding GB PMC
AOC-SA-T-SS-03	0-0.5	Lead	None	None
AOC-SA-T-SS-04	0-0.5	None	None	Lead*
AOC-25- MW-100	11.5-13.5	None	None	None
AOC-25-MW-107	6-8	None	None	None

(AOC #) - Sample from Prior Investigation; * indicates an exceedance of the GBPMC X 20 Screening Method only, not an actual GB PMC exceedance

**TABLE 6 -SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL DATA
FACTORY H PHASE II/III ENVIRONMENTAL SITE ASSESSMENT
MERIDEN, CONNECTICUT
METCALF AND EDDY, INC.**

March 2007

Parameter	RSR Criteria			AOC-1		AOC-3		AOC-3		AOC-3		AOC-11		AOC-13		AOC-15	
	I/C VC	RES VC	SWPC	MW-10	MW-03	MW-03DUP	AOC-3-MW-01MS/MSD	AOC-11-MW-1	MW-14	AOC-15-MW-1							
Sampling Date				4/14/06	4/14/06	4/14/06	4/14/06	4/17/06	4/14/06	4/17/06							
Laboratory Report Number				LIMS-96764	LIMS-96764	LIMS-96764	LIMS-96764	LIMS-96790	LIMS-96764	LIMS-96790							
8260 water (ug/l)																	
sec-Butylbenzene	20,000	1,500	~	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5							
Chlorodibromomethane	~	~	1,020	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5							
Chloroform	62.0	26.0	14,100	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5							
Chloromethane	5,500	390	~	<0.5	UJ	<0.5	UJ	<0.5	UJ	<0.5							
1,1-Dichloroethane	41,000	3,000	~	<0.5	<0.5	<0.5	<0.5	<0.5	UJ	<0.5							
1,1-Dichloroethylene	920	190	96.0	<0.5	<0.5	<0.5	0.7	<0.5	<0.5	<0.5							
cis-1,2-Dichloroethylene	11,000	830	~	19.4	1.0	0.9	53.9	<0.5	<0.5	1.2							
trans-1,2-Dichloroethylene	13,000	1,000	~	0.6	0.7	0.8	1.0	<0.5	<0.5	<0.5							
Isopropylbenzene	6,800	2,800	~	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5							
MTBE	50,000	21,000	~	<0.5	<0.5	<0.5	<0.5	2.3	<0.5	<0.5							
Tetrachloroethylene	810	340	88.0	20.8	J	<0.5	126	J	<0.5	12.6							
1,1,1-Trichloroethane	16,000	6,500	62,000	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5							
1,1,2-Trichloroethane	2,900	220	1,260	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5							
Trichloroethylene	67.0	27.0	2,340	15.1	<0.5	<0.5	95.0	J	<0.5	3.7							
1,1,2-Trichloro-1,2,2-Trifluoroethane	~	~	~	<1.0	<1.0	<1.0	1.7	<1.0	<1.0	<1.0							
Vinyl Chloride	52.0	1.6	15,800	<0.5	UJ	<0.5	UJ	2.3	J	<0.5							
o-Xylene	48,000	8,700	~	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5							
cyanide-total (mg/l)																	
None detected	~	~	52	NT	NT	NT	<0.010	<0.010	NT	NT							
etph water (mg/l)																	
Extractable TPH (ETPH)	2500	500	~	1.40	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075							
metals(ga15)h2o (mg/l)																	
Arsenic	~	~	0.0040	NT	<0.0005	<0.0005	<0.0005	0.0041	<0.0005	<0.0005							
Barium	~	~	~	NT	0.150	0.158	0.0725	0.118	0.0937	0.0852							
Copper	~	~	0.480	NT	<0.0050	<0.0050	<0.0050	0.0107	0.0134	<0.0050							
Lead	~	~	0.013	NT	<0.015*	<0.015*	<0.015*	<0.015*	<0.015*	<0.015*							
Nickel	~	~	0.880	NT	<0.005	<0.005	<0.005	0.090	<0.005	<0.005							
Selenium	~	~	0.05	NT	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05							
Zinc	~	~	0.123	NT	0.010	U	0.012	U	<0.010	<0.010							
pah - lo h2o all (ug/l)																	
None detected	Varies	Varies	Varies	ND	ND	ND	ND	ND	NT	ND							

Notes:

1. An asterisk (*) following a detection limit indicates that the minimum laboratory reporting limit exceeds one or more of the regulatory criteria.
2. NT = Not tested.
3. ~ = No Standard available
4. For water samples, shaded values exceed the RSR Volatilization (RES VC) criteria for the parameter.
5. For water samples, shaded and bold border
6. For water samples, bolded values exceed the RSR Surface Water (SWP) criteria for the parameter.
7. RSR criteria are in same units as analyte.
8. ND = Not detected above the reporting limit
9. J = the associated value is an estimated quantity. The reported result is qualitatively accurate but quantitatively imprecise.
10. UJ = the compound was analyzed for, but was not detected, and the associated value is an estimated value due to the variance from quality control limits.
11. Volatilization criteria shown are based on CTDEP proposed revised criteria (CTDEP March 2003).

**TABLE 6 -SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL DATA
FACTORY H PHASE II/III ENVIRONMENTAL SITE ASSESSMENT
MERIDEN, CONNECTICUT
METCALF AND EDDY, INC.**

March 2007

Parameter	RSR Criteria			AOC-17		AOC-17		AOC-17		AOC-17		AOC-19		AOC-24	
	I/C VC	RES VC	SWPC	AOC-17-GW1	MW-1	MW-11	MW-12	AOC-19-MW-1	AOC-24-MW-01						
Sampling Date				3/29/06	4/17/06	4/14/06	4/14/06	4/17/06	4/14/06						
Laboratory Report Number				LIMS-96360	LIMS-96790	LIMS-96764	LIMS-96764	LIMS-96790	LIMS-96764						
8260 water (ug/l)															
sec-Butylbenzene	20,000	1,500	~	<0.5	1.7	<0.5	<0.5	<0.5	<0.5						
Chlorodibromomethane	~	~	1,020	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5						
Chloroform	62.0	26.0	14,100	<0.5	<0.5	<0.5	<0.5	<0.5	1.4						
Chloromethane	5,500	390	~	<0.5	<0.5	UJ	<0.5	UJ	0.5						
1,1-Dichloroethane	41,000	3,000	~	<0.5	<0.5	1.1	<0.5	<0.5	<0.5						
1,1-Dichloroethylene	920	190	96.0	<0.5	3.1	<0.5	<0.5	<0.5	<0.5						
cis-1,2-Dichloroethylene	11,000	830	~	<0.5	32.5	80.8	0.6	<0.5	54.2						
trans-1,2-Dichloroethylene	13,000	1,000	~	<0.5	9.0	2.1	<0.5	<0.5	1.2						
Isopropylbenzene	6,800	2,800	~	<0.5	1.2	<0.5	<0.5	<0.5	<0.5						
MTBE	50,000	21,000	~	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5						
Tetrachloroethylene	810	340	88.0	4.9	1.3	106.0	15.2	<0.5	9.8						
1,1,1-Trichloroethane	16,000	6,500	62,000	<0.5	<0.5	1.2	<0.5	<0.5	<0.5						
1,1,2-Trichloroethane	2,900	220	1,260	<0.5	<0.5	0.6	<0.5	<0.5	<0.5						
Trichloroethylene	67.0	27.0	2,340	3.9	11.2	32.6	3.6	<0.5	61.2						
1,1,2-Trichloro-1,2,2-Trifluoroethane	~	~	~	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0						
Vinyl Chloride	52.0	1.6	15,800	<0.5	70.5	2.9	<0.5	UJ	0.9						
o-Xylene	48,000	8,700	~	<0.5	1.1	<0.5	<0.5	<0.5	<0.5						
cyanide-total (mg/l)															
None detected	~	~	52	NT	NT	NT	NT	<0.010	NT						
etph water (mg/l)															
Extractable TPH (ETPH)	2500	500	~	NT	NT	NT	NT	0.140	<0.075						
metals(ga15)h2o (mg/l)															
Arsenic	~	~	0.0040	NT	<0.0005	<0.0005	<0.0005	<0.0005	NT						
Barium	~	~	~	NT	0.0620	0.0599	0.0821	0.113	NT						
Copper	~	~	0.480	NT	0.0063	0.0075	<0.0050	0.0081	NT						
Lead	~	~	0.013	NT	<0.015*	<0.015	<0.015*	<0.015*	NT						
Nickel	~	~	0.880	NT	<0.005	0.114	<0.005	0.011	NT						
Selenium	~	~	0.05	NT	<0.05	<0.05	<0.05	<0.05	NT						
Zinc	~	~	0.123	NT	0.014	0.528	0.014	0.013	NT						
pah - lo h2o all (ug/l)															
None detected	Varies	Varies	Varies	NT	NT	NT	NT	ND	ND						

Notes:

1. An asterisk (*) following a detection limit indicates that the minimum laboratory reporting limit exceeds one or more of the regulatory criteria.
2. NT = Not tested.
3. ~ = No Standard available
4. For water samples, shaded values exceed the RSR Volatilization (RES VC) criteria for the parameter.
5. For water samples, shaded and bold border
6. For water samples, bolded values exceed the RSR Surface Water (SWP) criteria for the parameter.
7. RSR criteria are in same units as analyte.
8. ND = Not detected above the reporting limit
9. J = the associated value is an estimated quantity. The reported result is qualitatively accurate but quantitatively imprecise.
10. UJ = the compound was analyzed for, but was not detected, and the associated value is an estimated value due to the variance from quality control limits.
11. Volatilization criteria shown are based on CTDEP proposed revised criteria (CTDEP March 2003).

**TABLE 6 -SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL DATA
FACTORY H PHASE II/III ENVIRONMENTAL SITE ASSESSMENT
MERIDEN, CONNECTICUT
METCALF AND EDDY, INC.**

March 2007

Parameter	RSR Criteria			non-specific		AOC - 25				AOC - 25	
	I/C VC	RES VC	SWPC	MW-13	MW-100	MW-101	MW-102	MW-103	MW-104		
Sampling Date				4/14/06	11/29/06	11/29/06	11/29/06	11/29/06	11/29/06	11/29/06	11/29/06
Laboratory Report Number				LIMS-96764	LIMIT-02065						
8260 water (ug/l)											
sec-Butylbenzene	20,000	1,500	~	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorodibromomethane	~	~	1,020	<0.5	<0.5	<0.5	1.7	<0.5	<0.5	<0.5	<0.5
Chloroform	62.0	26.0	14,100	<0.5	3.4	2.4	<2.0	<2.0	<2.0	<2.0	<2.0
Chloromethane	5,500	390	~	<0.5	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
1,1-Dichloroethane	41,000	3,000	~	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethylene	920	190	96.0	<0.5	<1.0	15.8	1.70	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethylene	11,000	830	~	<0.5	5.9	1,650	81.6	5.50	<1.0	<1.0	<1.0
trans-1,2-Dichloroethylene	13,000	1,000	~	<0.5	<1.0	71.5	4.5	<1.0	<1.0	<1.0	<1.0
Isopropylbenzene	6,800	2,800	~	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MTBE	50,000	21,000	~	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethylene	810	340	88.0	<0.5	268	729	676	44.7	3.2	3.2	3.2
1,1,1-Trichloroethane	16,000	6,500	62,000	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	2,900	220	1,260	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethylene	67.0	27.0	2,340	9.2	240	1,840	92.0	22.6	3.6	3.6	3.6
1,1,2-Trichloro-1,2,2-Trifluoroethane	~	~	~	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Vinyl Chloride	52.0	1.6	15,800	<0.5	<2.0*	230	15.6	<2.0*	<2.0*	<2.0*	<2.0*
o-Xylene	48,000	8,700	~	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cyanide-total (mg/l)											
None detected	~	~	52	NT	NT	NT	NT	NT	NT	NT	NT
etph water (mg/l)											
Extractable TPH (ETPH)	2500	500	~	<0.075	NT						
metals(ga15)h2o (mg/l)											
Arsenic	~	~	0.0040	0.0010	NT						
Barium	~	~	~	0.0522	NT						
Copper	~	~	0.480	<0.0050	NT						
Lead	~	~	0.013	<0.015*	NT						
Nickel	~	~	0.880	<0.005	NT						
Selenium	~	~	0.05	0.05	NT						
Zinc	~	~	0.123	<0.010	NT						
pah - lo h2o all (ug/l)											
None detected	Varies	Varies	Varies	ND	NT						

Notes:

1. An asterisk (*) following a detection limit indicates that the minimum laboratory reporting limit exceeds one or more of the regulatory criteria.
2. NT = Not tested.
3. ~ = No Standard available
4. For water samples, shaded values exceed the RSR Volatilization (RES VC) criteria for the parameter.
5. For water samples, shaded and bold border
6. For water samples, bolded values exceed the RSR Surface Water (SWP) criteria for the parameter.
7. RSR criteria are in same units as analyte.
8. ND = Not detected above the reporting limit
9. J = the associated value is an estimated quantity. The reported result is qualitatively accurate but quantitatively imprecise.
10. UJ = the compound was analyzed for, but was not detected, and the associated value is an estimated value due to the variance from quality control limits.
11. Volatilization criteria shown are based on CTDEP proposed revised criteria (CTDEP March 2003).

TABLE 6 -SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL DATA
FACTORY H PHASE II/III ENVIRONMENTAL SITE ASSESSMENT
MERIDEN, CONNECTICUT
METCALF AND EDDY, INC.

March 2007

Parameter	RSR Criteria			AOC - 25				AOC-30
	I/C VC	RES VC	SWPC	MW-105	MW-106	MW-107	MW-DUP (MW-100)	AOC-30-MW-1
Sampling Date				11/29/06	11/30/06	11/30/06	11/30/06	4/17/06
Laboratory Report Number				LIMIT-02065	LIMIT-02065	LIMIT-02065	LIMIT-02065	LIMS-96790
8260 water (ug/l)								
sec-Butylbenzene	20,000	1,500	~	<1.0	<1.0	<1.0	<1.0	<0.5
Chlorodibromomethane	~	~	1,020	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	62.0	26.0	14,100	<2.0	<2.0	<2.0	3.50	<0.5
Chloromethane	5,500	390	~	<2.0	<2.0	<2.0	<2.0	<0.5 UJ
1,1-Dichloroethane	41,000	3,000	~	<1.0	<1.0	<1.0	<1.0	<0.5
1,1-Dichloroethylene	920	190	96.0	<1.0	<1.0	<1.0	<1.0	<0.5
cis-1,2-Dichloroethylene	11,000	830	~	<1.0	<1.0	<1.0	5.90	<0.5
trans-1,2-Dichloroethylene	13,000	1,000	~	<1.0	<1.0	<1.0	<1.0	<0.5
Isopropylbenzene	6,800	2,800	~	<1.0	<1.0	<1.0	<1.0	<0.5
MTBE	50,000	21,000	~	<1.0	<1.0	<1.0	<1.0	<0.5
Tetrachloroethylene	810	340	88.0	<1.0*	1.2	<1.0*	262	<0.5
1,1,1-Trichloroethane	16,000	6,500	62,000	<1.0	<1.0	<1.0	<1.0	<0.5
1,1,2-Trichloroethane	2,900	220	1,260	<1.0	<1.0	<1.0	<1.0	<0.5
Trichloroethylene	67.0	27.0	2,340	3.9	1.6	<1.0	238.0	<0.5
1,1,2-Trichloro-1,2,2-Trifluoroethane	~	~	~	<5.0	<5.0	<5.0	<5.0	<1.0
Vinyl Chloride	52.0	1.6	15,800	<2.0*	<2.0*	<2.0*	<2.0*	<0.5 UJ
o-Xylene	48,000	8,700	~	<1.0	<1.0	<1.0	<1.0	<0.5
cyanide-total (mg/l)								
None detected	~	~	52	NT	NT	NT	NT	NT
etph water (mg/l)								
Extractable TPH (ETPH)	2500	500	~	NT	NT	NT	NT	<0.075
metals(ga15)h2o (mg/l)								
Arsenic	~	~	0.0040	NT	NT	NT	NT	NT
Barium	~	~	~	NT	NT	NT	NT	NT
Copper	~	~	0.480	NT	NT	NT	NT	NT
Lead	~	~	0.013	NT	NT	NT	NT	NT
Nickel	~	~	0.880	NT	NT	NT	NT	NT
Selenium	~	~	0.05	NT	NT	NT	NT	NT
Zinc	~	~	0.123	NT	NT	NT	NT	NT
pah - lo h2o all (ug/l)								
None detected	Varies	Varies	Varies	NT	NT	NT	NT	NT

Notes:

1. An asterisk (*) following a detection limit indicates that the minimum laboratory reporting limit exceeds one or more of the regulatory criteria.
2. NT = Not tested.
3. ~ = No Standard available
4. For water samples, shaded values exceed the RSR Volatilization (RES VC) criteria for the parameter.
5. For water samples, shaded and bold border
6. For water samples, bolded values exceed the RSR Surface Water (SWP) criteria for the parameter.
7. RSR criteria are in same units as analyte.
8. ND = Not detected above the reporting limit
9. J = the associated value is an estimated quantity. The reported result is qualitatively accurate but quantitatively imprecise.
10. UJ = the compound was analyzed for, but was not detected, and the associated value is an estimated value due to the variance from quality control limits.
11. Volatilization criteria shown are based on CTDEP proposed revised criteria (CTDEP March 2003).

TABLE 7
SUMMARY OF GROUNDWATER CRITERIA EXCEEDANCES
FACTORY H PHASE II/III ENVIRONMENTAL SITE ASSESSMENT
MERIDEN, CONNECTICUT
METCALF AND EDDY, INC.
 March 2007

Parameter	RSR Criteria			AOC-3		AOC-11		AOC-24		AOC-17			AOC - 25									
	I/C VC	RES VC	SWPC	AOC-03-MW-01MS/MSD		AOC-11-MW-1		AOC-24-MW-01		MW-1	MW-11		MW-100	MW-101	MW-102	MW-DUP (MW-100)						
Sampling Date				4/14/06		4/17/06		4/14/06		4/17/06			4/14/06		11/29/06		11/29/06		11/29/06		11/30/06	
Laboratory Report Number				LIMS-96764		LIMS-96790		LIMS-96764		LIMS-96790			LIMS-96764		LIMT-02065		LIMT-02065		LIMT-02065		LIMT-02065	
8260 water (ug/l)																						
cis-1,2-Dichloroethylene	11,000	830	~	53.9		<0.5		54.2		32.5		80.8		5.9	1,650		81.6		5.90			
Tetrachloroethylene	810	340	88.0	126	J	<0.5		9.8	J	1.3	J	106.0	J	268	729		676		262			
Trichloroethylene	67.0	27.0	2,340	95.0	J	<0.5		61.2		11.2		32.6		240	1,840		92.0		238.0			
Vinyl Chloride	52.0	1.6	15,800	2.3	J	<0.5	UJ	0.9	J	70.5	J	2.9	J	<2.0*	230		15.6		<2.0*			
cyanide-total (mg/l)																						
None detected	~	~	52	<0.010		<0.010		NT		NT		NT		NT	NT		NT		NT			NT
etph water (mg/l)																						
Extractable TPH (ETPH)	2500	500	~	<0.075		<0.075		<0.075		NT		NT		NT	NT		NT		NT			NT
metals(ga15)h2o (mg/l)																						
Arsenic	~	~	0.0040	<0.0005		0.0041		NT		<0.0005		<0.0005		NT	NT		NT		NT			NT
Lead	~	~	0.013	<0.015*		<0.015*		NT		<0.015*		<0.015*		NT	NT		NT		NT			NT
Zinc	~	~	0.123	<0.010		0.056		NT		0.014		0.528		NT	NT		NT		NT			NT
pah - lo h2o all (ug/l)																						
None detected	Varies	Varies	Varies	ND		ND		ND		NT		NT		NT	NT		NT		NT			NT

- Notes:**
1. An asterisk (*) following a detection limit indicates that the minimum laboratory reporting limit exceeds one or more of the regulatory criteria.
 2. NT = Not tested.
 3. ~ = No Standard available
 4. For water samples, shaded values exceed the RSR Volatilization (RES Vol.) criteria for the parameter.
 5. For water samples, shaded and bold border values exceed the RSR Volatilization (I/C Vol.) criteria for the parameter.
 6. For water samples, bolded values exceed the RSR Surface Water (SWP) criteria for the parameter.
 7. RSR criteria are in same units as analyte.
 8. ND = Not detected above the reporting limit
 9. J = the associated value is an estimated quantity. The reported result is qualitatively accurate but quantitatively imprecise.
 10. UJ = the compound was analyzed for, but was not detected, and the associated value is an estimated value due to the variance from quality control limits.

TABLE 8. SUMMARY OF DATA VALIDATION QUALIFICATIONS
Phase II/III Environmental Investigation
International Silver Company, Factory H Site
Meriden, CT

Report #	Qualified Sample(s)	Matrix	Description	Qualification
96392	All	Soil	Zinc equipment blank contamination 0.014 mg/kg	U for detected samples <5x the blank contamination. None for non-detects
96392	All samples in batch	Soil	Low lab control sample recovery (29.3 % 2-butanone, control limit 50-155 %; 14.8 % 2,2-dichloropropane; 8.6 % 2-hexanone; 64.6 % naphthalene, control limit 70-130 %)	J (detects), UJ (non-detects)
96356	AOC-15-SB4 2-4, AOC-15-SB5 2-4	Soil	Low PAH surrogate recovery (2-fluorobiphenyl 26.6 % and 23.2 %, respectively, control limit 30-130 %)	J (detects), UJ (non-detects)
96356	AOC-30-MW1 5-7	Soil	Low ETPH surrogate recovery (terphenyl 46.2 %, control limit 50-150 %)	J (detects), UJ (non-detects)
96356	AOC-30-SS1	Soil	Volatile organic matrix spike recoveries and/or RPDs outside control limits (1,4-dichlorobenzene, ethyl benzene, naphthalene, styrene, tetrachloroethylene, 1,1,2-trichloro-1,2,2-trifluoroethane, o-xylene, m&p-xylene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, methylene chloride, chlorobenzene, cis-1,3-dichloropropene, trans-1,3-dichloropropene, bromoform, 2-chlorotoluene, hexachlorobutadiene, isopropylbenzene, p-isopropylbenzene, n-isopropylbenzene, sec-butylbenzene, tert-butylbenzene, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 4-	J (detects), UJ (non-detects)

Table lists all samples and their respective reports that required qualification. Abbreviated terms are defined below:

LFB = Laboratory Fortified Blank

RPD = Relative Percent Difference

J = detected samples estimated

UJ = undetected samples estimated

TABLE 8. SUMMARY OF DATA VALIDATION QUALIFICATIONS
Phase II/III Environmental Investigation
International Silver Company, Factory H Site
Meriden, CT

Report #	Qualified Sample(s)	Matrix	Description	Qualification
96356	AOC-30-SS1	Soil	chlorotoluene, 1,2,3-trichloropropane, n-butylbenzene, bromobenzene, trans- 1,4-dichloro-2-butene, 1,2-dibromo-3-chloropropane, tert-butyl alcohol, matrix spike recovery control limits vary with analyte; RPD control limit < 50 %)	J (detects), UJ (non-detects)
96356	All samples in batch	Soil	Low lab control sample recovery (46.9 % methylene chloride, control limit 70-130 %)	J (detects), UJ (non-detects)
96357	AOC-11 SS1, AOC-11 SS1 DUP	Soil	High field duplicate RPD (silver 87.45 %, lead 51.5 %, control limit < 50 %)	J (detects), UJ (non-detects)
96357	AOC-11SS1	Soil	Volatile organic matrix spike recoveries and/or RPDs outside control limits (1,4-dichlorobenzene, MIBK, naphthalene, styrene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, trans-1,2-dichloroethylene, vinyl chloride, methylene chloride, chlorobenzene, chloromethane, cis-1,3-dichloropropene, trans-1,3-dichloropropene, bromoform, 2-chlorotoluene, hexachlorobutadiene, n-propylbenzene, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 4-chlorotoluene, dibromomethane, 1,1-dichloropropene, 1,2,3-trichloropropane, n-butylbenzene, dichlorodifluoromethane, bromobenzene, 2-hexanone, trans-1,4-dichloro-2-butene, 1,2-dibromoethane. matrix spike recovery control limits vary with analyte; RPD control limit < 50 %)	J (detects), UJ (non-detects)

Table lists all samples and their respective reports that required qualification. Abbreviated terms are defined below:

LFB = Laboratory Fortified Blank

RPD = Relative Percent Difference

J = detected samples estimated

UJ = undetected samples estimated

TABLE 8. SUMMARY OF DATA VALIDATION QUALIFICATIONS
Phase II/III Environmental Investigation
International Silver Company, Factory H Site
Meriden, CT

Report #	Qualified Sample(s)	Matrix	Description	Qualification
96662	All samples in batch	Soil	Low lab control sample recovery (10.3 % 2,2-dichloropropane, 14.4 % tert-butyl alcohol, control limit 70-130 %)	J (detects), UJ (non-detects)
96662	AOC-1-SB 1 6-6	Soil	Low matrix spike recovery (2,2-dichloropropane 12.1 %, tertiary butyl alcohol 9.6 %, naphthalene 65.9 %, bromomethane 64.2 %, 1,2,4-trichlorobenzene 68.0 %, dichlorodifluoromethane 59.3 %, control limit 70-130 %)	J (detects), UJ (non-detects)
96737	All samples in batch	Soil	Antimony method blank contamination 0.0035 mg/kg	U for detected samples <5x the blank contamination. None for non-detects
96698	AOC-2-SB1 6-8	Soil	Methylene chloride method blank contamination 2.5 ug/kg	U for detected samples <5x the blank contamination. None for non-detects
96698	AOC-2-SB1 6-8	Soil	Low lab control sample recovery (61.2 % naphthalene, 69.2 % 1,2,3-trichlorobenzene, 52.4 % 2,2-dichloropropane, control limit 70-130 %)	J (detects), UJ (non-detects)
96698	AOC-2-SB1 6-8	Soil	Low matrix spike recovery (ethylbenzene 40.2 %, styrene 62.2 %, m&p xylene 6.4 %, vinyl chloride 63.1 %, chloromethane 68.4 %, isopropylbenzene 0.0 %, p-isopropyltoluene -58.5 %, n-propylbenzene 0.0 %, sec-butylbenzene 0.0 %, 1,2,4-trimethylbenzene -3.4 %, 1,1-dichloropropene 50.7 %, n-butylbenzene -9.3 %, dichlorodifluoromethane 38.4 %, control limit 70-130 %)	J (detects), UJ (non-detects)

Table lists all samples and their respective reports that required qualification. Abbreviated terms are defined below:

LFB = Laboratory Fortified Blank
 RPD = Relative Percent Difference
 J = detected samples estimated
 UJ = undetected samples estimated

TABLE 8. SUMMARY OF DATA VALIDATION QUALIFICATIONS
Phase II/III Environmental Investigation
International Silver Company, Factory H Site
Meriden, CT

Report #	Qualified Sample(s)	Matrix	Description	Qualification
96668	All samples in batch	Soil	Antimony, barium, and copper method blank contamination 0.0015 mg/kg, 0.28 mg/kg, and 0.03 mg/kg, respectively	U for detected samples <5x the blank contamination. None for non-detects
96668	AOC-11SB2 8-10	Soil	Low matrix spike recovery (thallium 67.48 %, control limit 80-120 %)	J (detects), UJ (non-detects)
96679	AOC-5 SB2 2-4	Soil	Low matrix spike recovery (copper 30.57 %, control limit 70-130 %)	J (detects), UJ (non-detects)
96388	AOC-15-SS2	Soil	Low matrix spike and/or matrix spike duplicate recovery (hexachlorobutadiene 41.3 %, 1,2,4-trichlorobenzene 44.6 %, dichlorodifluoromethane 45.1 %, naphthalene 43.30 %, chloromethane 66.7 %/63.4 %, 1,2,3-trichlorobenzene 30.6 %, control limit 70-130 %)	J (detects), UJ (non-detects)
96388	All samples in batch	Soil	Low lab control sample recovery (49.2 % dichlorodifluoromethane, control limit 50-155 %)	J (detects), UJ (non-detects)
96388	AOC-15-SS2	Soil	Low matrix spike and/or matrix spike duplicate recovery (benzo(a)anthracene 39.15 %, benzo(b)fluoranthene 33.60 %, fluoranthene 27.55 %/39.25 %, pyrene 31.30 %, control limit 40-140 %)	J (detects), UJ (non-detects)
96388	AOC-RB1 2-4, AOC-RB2 2-4	Soil	Low PAH surrogate recovery (2-fluorobiphenyl 14.0 % and 21.9 %, respectively, control limit 30-130 %)	J (detects), UJ (non-detects)
96388	AOC-15-SS2	Soil	Low matrix spike and matrix spike duplicate recovery (mercury 44.447 %/18.917, control limits 75-125 %)	J (detects), UJ (non-detects)

Table lists all samples and their respective reports that required qualification. Abbreviated terms are defined below:

- LFB = Laboratory Fortified Blank
- RPD = Relative Percent Difference
- J = detected samples estimated
- UJ = undetected samples estimated

TABLE 8. SUMMARY OF DATA VALIDATION QUALIFICATIONS
Phase II/III Environmental Investigation
International Silver Company, Factory H Site
Meriden, CT

Report #	Qualified Sample(s)	Matrix	Description	Qualification
96388	AOC-SAN-SS1	Soil	High matrix spike recovery (lead 169.12 %, control limit 75-125 %)	J (detects)
95358	AOC-13 SB1 2-4, AOC-1-SB1 6-6, AOC-24-MW1 4-6	Soil	Low ETPH surrogate recovery (terphenyl 45.9 %, 32.2 %, and 7.9 %, respectively, control limit 50-150 %)	J (detects), UJ (non-detects)
95358	AOC-5-SB2 2-4	Soil	Low matrix spike recovery (silver 69.05 %, antimony 46.81 %, control limit 70-130 %)	J (detects), UJ (non-detects)
95358	AOC-5-SB2 2-4	Soil	High matrix spike recovery (copper 276.52 %, control limit 70-130 %)	J (detects)
95358	All samples in batch	Soil	High lab control sample recovery (135.4 % tetrachloroethylene, control limit 70-130 %)	J (detects)
95358	AOC-1-SB1 6-6	Soil	Low surrogate recovery (bromofluorobenzene 67.4 %, control limit 70-130 %)	J (detects), UJ (non-detects)
96359	AOC-17-SS1	Soil	High matrix spike recovery (copper 207.59 %, control limit 70-130 %)	J (detects)
96359	AOC-17-SS1	Soil	Low matrix spike recovery (antimony 32.59 %, control limit 70-130 %)	J (detects), UJ (non-detects)
97315	AOC-SA-M-SB-02	Soil	Low matrix spike recovery (antimony 28.34 %, control limit 70-130 %)	J (detects), UJ (non-detects)
97200	MW-1	Product	Holding time exceedence (method 8015)	J (detects), UJ (non-detects)

Table lists all samples and their respective reports that required qualification. Abbreviated terms are defined below:

- LFB = Laboratory Fortified Blank
- RPD = Relative Percent Difference
- J = detected samples estimated
- UJ = undetected samples estimated

TABLE 8. SUMMARY OF DATA VALIDATION QUALIFICATIONS
Phase II/III Environmental Investigation
International Silver Company, Factory H Site
Meriden, CT

Report #	Qualified Sample(s)	Matrix	Description	Qualification
96790	All samples in batch	Groundwater	Low lab control sample recovery (25.4 % 1,4-dioxane, 61.5 % vinyl chloride, 56.4 % methylene chloride, 58.9 % chloromethane, 40.0 % dichlorodifluoromethane, control limit 70-130 %; 50-155 % for 1,4-dioxane)	J (detects), UJ (non-detects)
96790	All samples in batch	Groundwater	High lab control sample recovery (186.3 % tetrachloroethylene, control limit 70-130 %)	J (detects)
96764	All samples in batch	Groundwater	Zinc method blank contamination 0.020 mg/L	U for detected samples <5x the blank contamination None for non-detects
96764	All sample in batch	Groundwater	Methylene chloride trip blank contamination 2.8 ug/L	U for detected samples <5x the blank contamination None for non-detects
96764	AOC-03-MW-01	Groundwater	Low matrix spike and matrix spike duplicate recovery (trichloroethylene 48.1 %/57.7 %, control limit 70-130 %)	J (detects), UJ (non-detects)
96764	All samples in batch	Groundwater	Low lab control sample recovery (66.9 % vinyl chloride, 63.4 % methylene chloride, 63.9 % chloromethane, 41.3 % dichlorodifluoromethane, control limit 70-130 %)	J (detects), UJ (non-detects)
96764	All samples in batch	Groundwater	High lab control sample recovery (192.5 % tetrachloroethylene, control limit 70-130 %)	J (detects)
96360	All samples in batch	Groundwater	Low lab control sample recovery (2,2-dichloropropane 12.7 %, control limit 70-130 %)	J (detects), UJ (non-detects)

Table lists all samples and their respective reports that required qualification. Abbreviated terms are defined below:

LFB = Laboratory Fortified Blank
 RPD = Relative Percent Difference
 J = detected samples estimated
 UJ = undetected samples estimated

TABLE 8. SUMMARY OF DATA VALIDATION QUALIFICATIONS
Phase II/III Environmental Investigation
International Silver Company, Factory H Site
Meriden, CT

Report #	Qualified Sample(s)	Matrix	Description	Qualification
02065	All samples in batch	Groundwater	Low lab control sample recovery for 2-hexanone	J (detects), UJ (non-detects)
02065	MW-100, MW-100 DUP, MW-101, MW-102, MW-107	Groundwater	Low lab control sample recovery for dichlorodifluoromethane	J (detects), UJ (non-detects)
02065	MW-103, MW-104, MW-105, MW-106	Groundwater	Low lab control sample recovery for tetrahydrofuran	J (detects), UJ (non-detects)

Table lists all samples and their respective reports that required qualification. Abbreviated terms are defined below:

LFB = Laboratory Fortified Blank

RPD = Relative Percent Difference

J = detected samples estimated

UJ = undetected samples estimated

TABLE 9 - CONCEPTUAL SITE MODEL
International Silver Company, Factory H
Meriden, Connecticut
Metcalfe & Eddy, Inc.
March 2007

No.	Area of Concern	Soil Evaluation					Groundwater Evaluation				Comments and Recommendations	
		Samples	Sample Depths (ft)	# Subsurface Samples	# Surficial Samples	Soil - COCs	RSR Exceedances	Wells Sampled	# Samples	Groundwater - COCs		RSR Exceedances
1	2 - 20,000-gallon USTs (pumped out)	AOC-1-SB-01 AOC-1-SB-02 AOC-1-SB-03	0-2', 2-4', 4-6', 6', 8-10', 10-12'(2)	7	None	ETPH, VOCs, & PAHs	PAHs > R DEC, I/DEC, 0-2', 2-4', 4-6'; ETPH > R DEC, I/C DEC 0-2' and 8-10', respectively	MW-10	0	ETPH, VOCs, & PAHs	None	Delineate area with 3-4 supplemental soil borings; evaluate PMC with SPLP analyses; VOCs were not detected above the RES DEC or the GWPC X 10 (self-implementing option), which is used to evaluate the PMC; remediate RSR exceedance soil and/or place ELUR on area in conjunction with redevelopment; remove tanks if still present.
2	1 - 1,000-gallon UST (pumped out)	AOC-2-SS1, AOC-2-SB-1	0-0.5', 5.5-6', 6-8'	2	1	ETPH, VOCs, & PAHs	PAHs > R DEC, I/DEC, 0-0.5', 5.5-6'; PAHs > GB PMC, 5.5-6' ETPH > R DEC, I/C DEC 0-0.5' and 6-8', respectively	0	0	--	None	Remediate RSR exceedance soil and/or place ELUR on areas in conjunction with redevelopment; remove tank if still present.
3	Former 1 - 10,000-gallon UST	AOC-3-SB/MW-01	2-4', 6-8'	2	0	ETPH, VOCs, PAHs, Metals and Cyanide	None	AOC-3-MW-01	1	ETPH, VOCs, PAHs, Metals and Cyanide	TCE and vinyl chloride > RES VC and I/C VC; PCE > SWPC	Install supplemental 2 wells to better delineate; monitor groundwater; potential ELUR; Weston (1999) detected TCE
4	1 UST of unknown size	Not addressed in this phase of the project					AEI 2006 tank grave data indicates no exceedances	0	0	--	--	No additional investigations recommended; use existing data to close out AOC; existing data indicates no exceedances; remove tank if present.
5	2 USTs of unknown size	AOC-5-SS-01, AOC-5-SB-01, AOC-5-SB-02, AOC-5-RB1, AOC-5-RB2	0-0.5', 2-4'(4), 9-11', 10-12'	6	1	ETPH, VOCs, & PAHs	PAHs > R DEC, I/DEC, GB PMC 0-0.5', 2-4' ETPH > R DEC 0-0.5', 2-4' and 9-11'	0	0	--	--	Advance 2-3 supplemental soil borings to better delineate extent to the south; remediate soil exceedances and/or place ELUR on area in conjunction with redevelopment. In conjunction with flood control evaluation, remove tanks if present.
6	5 USTs of unknown size	Addressed as part of AOC-19					Pre-existing soil data indicates; Arsenic > R DEC and I/C DEC at 0-2'; Lead > R DEC at 2-5.5'; Copper > R DEC 2-2.5'; ETPH and PAHs > R DEC 4-5.5'	0	0	--	--	Remediate in conjunction with AOC-19; remove tanks
7	2-200 gallon ASTs	AOC-7 not addressed in this phase of the project; tanks previously pumped out and removed						0	0	--	--	Utilizing existing documentation to close out AOC
8	1-1,500-gallon AST	AOC-8 not addressed in this phase of the project; tanks previously pumped out and removed						0	0	--	--	Utilizing existing documentation to close out AOC
9	2-300-gallon ASTs	AOC-9 not addressed in this phase of the project						0	0	--	--	Evaluate AOC using existing documentation during pre-demolition
10	1 - 150,000-gallon AST (Water tower)	AOC-10-SS-01, AOC-10-SS-02	0-0.5'(2)	None	2	Lead, PAHs	PAHs > R DEC and GB PMC 0-0.5'	0	0	--	--	Advance 2-3 supplemental soil borings to better delineate extent; remediate soil exceedances and/or place ELUR on area in conjunction with redevelopment; evaluate PMC with SPLP analyses; install well to evaluate water quality
11	11 - 55-gallon drums	AOC-11-SS-01, AOC-11-SS-02, AOC-11-SB-02, AOC-11-MW-01	0-0.5'(2), 2-4', 4-6', 8-10'(2)	4	2	ETPH, VOCs, & metals	Total Lead > R DEC 2-4'; ETPH > R DEC 0-0.5'	AOC-11-MW-1	1	ETPH, VOCs, metals and cyanide	Total Arsenic >SWPC	Advance 2-3 supplemental soil borings to better delineate extent; remediate soil exceedances and/or place ELUR on area in conjunction with redevelopment; continued groundwater monitoring recommended
12	Discharge pipes (to Harbor Brook)	AOC-12 not addressed in this phase of the project						0	0	--	--	Existing sediment data indicates impacts; evaluated during flood control evaluation
13	Dry well	AOC-13-01, AOC-13-SB-01	0-0.5', 2-4' and 4-6'	2	1	ETPH, VOCs, & metals	None	MW-14	1	ETPH, VOCs, & metals	None	soil vapor and groundwater samples collected by Weston (1998); VOC vapors < RSR criteria; VOCs in groundwater downgradient of drywell < 1996 GWVC, but TCE > 2003 RES GWVC and I/C GWVC; monitor groundwater plume
14	dust piles	AOC-14 not addressed in this phase of the project; addressed by the CT DEP stabilization/removal actions in 2005; confirmatory sample results not available for review						0	0	--	--	Evaluate using existing documentation; remediate and/or place ELUR on area; combine with AOC-19
15	Debris piles	AOC-15-SS-01, AOC-15-SS-02, AOC-15-SS-03, AOC-15-SS-04, AOC-15-SS-05, AOC-15-SB-01, AOC-15-SB-02 AOC-15-MW-03, AOC-15-SB-04, AOC-15-SB-05	0-0.5'(5), 2-4'(5), 4-6'	6	5	ETPH, PAHs, VOCs, & metals	PAHs > R DEC, I/CDEC and GB PMC 0-0.5' and 2-4'; ETPH > R DEC 2-4'; Total Copper > R DEC 0-0.5'	AOC-15-MW-03	1	ETPH, PAHs, VOCs, & metals	None	AOC-15B - Delineate area with 5-6 supplemental soil borings; remediate soil exceedances and/or place ELUR on area in conjunction with redevelopment; existing AOC15C data indicates TPH > R DEC 2'; AOC-15C, investigate/remediate in conjunction with AOC-11.
16	debris pile - glass	AOC-16 was not addressed in this phase of the project						--	--	--	--	conduct visual inspect; combine with AOC-11
17	Contaminated soil	AOC-17-SS-01, AOC-17-SS-02, AOC-17-SB-01 AOC-17-SB-02	0-0.5'(2), 2-4', 5-7', 12-14', 14-16', 18-20'	5	2	VOCs, & metals	Tetrachloroethylene > R DEC, GB PMC 14-16', 18-20'; Trichloroethylene >GB PMC 14-16' and 18-20'; Total Arsenic > R DEC, I/C DEC 0-0.5'; Total Vanadium > R DEC 0-0.5'; SPLP lead and antimony > GB PMC 0.0.5'	Existing Wells MW-1, MW-11, MW-12	3	VOCs, & metals	Vinyl chloride > R VC and I/C VC in MW-1; Vinyl chloride > R VC in MW-11; Zinc > SWPC in MW-11; TCE > R VC in MW-11; no exceedance in MW-12	Advance 3-4 supplemental soil borings to better delineate shallow soil contamination; install 2 wells to evaluate VOC plume source area and potential on-site migration of contaminated groundwater from an upgradient, off-site source area; evaluate the applicability of CT DEP's upgradient policy; remediate soil exceedances and/or place ELUR on area; VOCs detected (< RSR criteria) in soil in 1998 (Weston), TCE and PCE detected in soil vapor (Weston, 1998) > SVVC; Weston (1998) stated 5,600 ft ² of chlorinated solvent VOC contaminated soil exists to 15 fbg. It is unclear if this soil has been remediated.
18	ETPH-stained surficial soil	Removed during CTDEP stabilization/removal actions conducted in 2005; investigated as part of AOC-1						0	0	--	--	See AOC-1 recommendations

TABLE 9 - CONCEPTUAL SITE MODEL
International Silver Company, Factory H
Meriden, Connecticut
Metcalfe & Eddy, Inc.
March 2007

No.	Area of Concern	Soil Evaluation						Groundwater Evaluation				Comments and Recommendations
		Samples	Sample Depths (ft)	# Subsurface Samples	# Surficial Samples	Soil - COCs	RSR Exceedances	Wells Sampled	# Samples	Groundwater - COCs	RSR Exceedances	
19	Contaminated soil	AOC-19-SB-02, AOC-19-SB-03, AOC-19-MW-01	2-4'(3), 5-7', 7-9', 8-10'	6	None	ETPH, PAHs, VOCs, & metals	PAHs > R DEC, I/C DEC and GB PMC 2-4'; Total Lead > R DEC 2-4'; SPLP Lead > GB PMC 2-4'; Total Copper > R DEC 2-4'; ETPH > R DEC, I/C DEC 7-9'	AOC-19-MW-1	1	ETPH, VOCs, PAHs, Metals and Cyanide	None	Remediate RSR exceedance soil and/or place ELUR on area in conjunction with redevelopment; existing data indicates copper > R DEC 2.5-5'
20	Contaminated wood floor	Not addressed in this phase of the project						0	0	--	--	Inspect floor for indications of a release; collect 4-6 samples for characterization; can be performed as part of pre-demolition work
21	Stained concrete	Not addressed in this phase of the project						0	0	--	--	Inspect concrete for indications of a release; collect 4-6 chip samples for characterization; can be performed as part of pre-demolition work
22	Asbestos debris pile	This AOC has been addressed by CTDEP stabilization/removal actions performed in 2005										Review existing data and close out AOC
23	Stained soil	Addressed as part of AOC-19 - removed during CTDEP stabilization activities.						0	0	--	--	Addressed as part of AOC-19.
24	Possible UST	AOC-24-SS-01, AOC-24-MW-01	0-0.5', 2-4', 5-7'	2	1	ETPH, VOCs, & PAHs	PAHs > R DEC, I/C DEC 0-0.5', 2-4'; Trichloroethylene > GB PMC 2-4'	AOC-24-MW-1	1	ETPH, VOCs, & PAHs	TCE > RES VC	Advance 4 supplemental soil borings to better delineate soil contamination; complete borings as nested (shallow and deep) well pairs to better evaluate horizontal and vertical extent of contaminated groundwater; In conjunction with AOC-17 and SA-M, evaluate the applicability of CT DEP's upgradient contaminated groundwater policy; remediate soil exceedances and/or place ELUR on area.
25	Groundwater Contamination On-Site	---	---	--	--	VOCs	---	13 site wells plus the eight VOC Plume Study wells (near eastern property boundary) sampled during this phase. Wells are located in AOC-1, AOC-3, AOC-11, AOC-13, AOC-17, AOC-19, AOC-24, AOC-25 and AOC-30; RSR exceedances were detected in AOC-3, AOC-11, AOC-17, AOC-24,			Sample representative wells for metals and VOCs under other AOCs to evaluate groundwater quality at the site. No additional work beyond sampling of these wells.	
25	Groundwater Contamination along the Eastern Property Boundary	---	---	--	--	VOCs	---	MW-100, 101, 102, 103, 104, 105, 106 and 107	8	Chlorinated VOCs	(MW-100) - PCE > SWPC, TCE > RES VC and I/C VC; (MW-101) - cDCE and PCE > RES VC, TCE and vinyl chloride > RES VC and I/C VC; (MW-102) - PCE and vinyl chloride > RES VC, TCE > RES VC and I/C VC	Install two-three nested pairs (4-6 wells) upgradient to evaluate potential on-site migration of chlorinated VOC contaminated groundwater from an off-site source area; install two supplemental wells on residential property at end of Cherry Street to evaluate VC adjacent to residential structure; utilize data to address remedial options; CTDEP conducting separate investigation.
26	Contaminated surface water and sediments	Not addressed in this phase of the project										In conjunction with AOC-12, evaluate existing surface water and sediment data, including proposed sediment sample data
27	Asbestos-containing materials	Asbestos removal cost estimate completed for Building A; include in pre-demolition and or RAP phase of project										
28	Lead paint	See AOCs-N, Q, and T (Building interiors not included in this project); include in pre-demolition and or RAP phase of project										
29	Fluorescent light ballasts	Not addressed in this phase of project; include in pre-demolition and/or RAP phase of project										
30	Louie's Auto Shop (55 Cooper St.)	AOC-30-SS-01, AOC-30-MW-01	0-0.5', 2-4', 5-7'	2	1	ETPH and VOCs	None	AOC-30-MW-1	1	ETPH and VOCs	None	No exceedances; no additional investigation or remediation recommended at this time
31	Site-wide surficial soils	Use existing data and samples from other AOCs						--	--	--	--	See recommendations for specific AOCs
32	Building B - transformer/electrical house	Not addressed in this phase of the project						--	--	--	--	Address during pre-demolition activities.
33	Subsurface Soils and Groundwater Beneath Building A	Not addressed in this phase of the project						--	--	--	--	Conduct supplemental Phase II/III to evaluate soil and groundwater; test for VOCs, ETPH, PAHs, metals and PCBs
SA-A	Stabilization Area A Smokestack Removed	No Further Evaluation Required										
SA-B	Stabilization Area B Contaminated Soil Piles Removed (AOC-15)	Use data from AOC-15						--	--	See AOC-3 (SA-G)	--	In conjunction with AOC-15, delineate area with 5-6 supplemental soil borings; remediate RSR exceedance soil and/or place ELUR on area in conjunction with redevelopment
SA-C	Stabilization Area C Asphalt Piles Removed	AOC-SA-C-SS-01, AOC-SA-C-SB-01	0-0.5', 2-4'	1	1	ETPH, PAHs & metals	Total Antimony > R DEC 0-0.5'; SPLP Lead and SPLP Antimony > GB PMC	0	Downgradient well MW-3 (AOC-3) and upgradient wells MW-103 and MW-104 (AOC-25)	See AOC-3	None	Remediate RSR exceedance soil and/or place ELUR on area in conjunction with redevelopment
SA-D	Stabilization Area D Asbestos-Impacted Soil Removed	Address during pre-demolition activities						--	--	--	--	Address in pre-demolition and/or RAP (confirmatory soil sampling) phase
SA-E	Stabilization Area E Metal-Impacted Soil Removed	AOC-SA-E-SB-01	0-2', 2-4'	2	None	Metals	None	0	0	--	--	Evaluate PMC with SPLP analyses; close out AOC
SA-F	Stabilization Area F Impacted Soil Stockpile Staging Area #1 - Evaluate pre-stockpile conditions	Use data from AOC-15						--	--	--	--	See AOC-15 Recommendations
SA-G	Stabilization Area G 10,000-gal. Waste Water UST Removed (AOC-3)	See AOC-3						--	--	--	--	See AOC-3 Recommendations
SA-H	Stabilization Area H Metal-Impacted Soil Removed	AOC-SA-H-SB-01	0-2', 2-4'	2	None	ETPH, VOCs, & metals	None	--	--	--	None	Previous investigations identified ETPH > R DEC, I/C DEC and GB PMC in sample location S-2; advance 3-4 supplemental soil borings to delineate extent; remediate soil exceedances and/or place ELUR on area in conjunction with redevelopment
SA-I	Stabilization Area I Impacted Soil Stockpile Staging Area #2 (Part of AOC-15) - Evaluate pre-stockpile conditions	Use data from AOC-15						--	--	--	--	See AOC-15 Recommendations

TABLE 9 - CONCEPTUAL SITE MODEL
International Silver Company, Factory H
Meriden, Connecticut
Metcalf & Eddy, Inc.
March 2007

No.	Area of Concern	Soil Evaluation					Groundwater Evaluation				Comments and Recommendations	
		Samples	Sample Depths (ft)	# Subsurface Samples	# Surficial Samples	Soil - COCs	RSR Exceedances	Wells Sampled	# Samples	Groundwater - COCs		RSR Exceedances
SA-J	Stabilization Area J - 275 gal. gasoline UST Removed (AOC-4)					See AOC-4		--	--	--	--	See AOC-4 Recommendations

TABLE 9 - CONCEPTUAL SITE MODEL
International Silver Company, Factory H
Meriden, Connecticut
Metcalf & Eddy, Inc.
March 2007

No.	Area of Concern	Soil Evaluation						Groundwater Evaluation				Comments and Recommendations
		Samples	Sample Depths (ft)	# Subsurface Samples	# Surficial Samples	Soil - COCs	RSR Exceedances	Wells Sampled	# Samples	Groundwater - COCs	RSR Exceedances	
SA-K	Stabilization Area K Oil-Stained Soil removed (AOC-18)	See AOC-18						--	--	--	--	See AOC-18 Recommendations
SA-L	Stabilization Area L 2-20,000-gal. #6 Oil Tanks Cleaned (AOC-1)	See AOC-1						--	--	--	--	See AOC-1 Recommendations
SA-M	Stabilization Area M Impacted-Soil and Fire Debris Pile Removed (AOC-15)	AOC-SA-M-SB-01, AOC-SA-M-SB-02	0-1', 2-4'	2	None	ETPH, PAHs, VOCs, & metals	PAHs > R DEC, I/C DEC 0-2'	--	--	--	--	Investigate in conjunction with AOC-24
SA-N	Stabilization Area N Building "C" Asbestos and Lead Abatement Work	AOC-SA-N-SS-01, AOC-SA-N-SS-02	0-0.5'(2)	None	2	Asbestos and Total Lead	None; trace amounts of chrysotile and anosite	--	--	--	--	No exceedances; no additional investigation or remediation recommended at this time
SA-O	Stabilization Area O Impacted-Soil and Debris Pile Removed	AOC-SA-O-SB-01, AOC-SA-O-SS-02	0-2', 2-4'	2	None	ETPH, VOCs, & metals	ETPH > R DEC 0-2'	--	--	--	--	Advance 3-4 supplemental soil borings to better delineate extent; remediate soil exceedances and/or place ELUR on area in conjunction with redevelopment
SA-P	Stabilization Area P Asbestos Roof Removed from UST Bunker	AOC-SA-P-SS-01, AOC-SS-P-SS-02	0-0.5'(2)	None	2	Asbestos	None	--	--	--	--	No exceedances; no additional investigation or remediation recommended at this time
SA-Q	Stabilization Area Q Building "B" Asbestos and Lead Abatement Work	Not addressed in this phase of the project; surficial soil adjacent to building removed						--	--	--	--	Review existing data and close out AOC.
SA-R	Stabilization Area R Metals-Impacted Soils Removed and Stone Cover Installed (AOC-6)	Addressed as part of AOC-19 and AOC-14										
SA-S	Stabilization Area S Sump Cleaned of Metal-Impacted Sludge	Use data from AOC-19									--	See AOC-19 Recommendations
SA-T	Stabilization Area T Building "A" 2nd & 3rd Floor Asbestos Abatement Work - Address other Parts of Building	AOC-SA-T-SS-01, AOC-SA-T-SS-03, AOC-SA-T-SS-04	0-0.5'(3)	None	3	Asbestos and Total Lead	Total Lead > R DEC 0-0.5'	--	--	--	--	In conjunction with AOC-11, delineate area with 2-3 supplemental soil borings; remediate RSR exceedance soil and/or place ELUR on area in conjunction with redevelopment
SA-U	Stabilization Area U 1,000-gal. heating oil UST Cleaned (AOC-2)	Addressed as AOC-2						--	--	--	--	See AOC-2 Recommendations; close out AOC
SA-V	Stabilization Area V UST Grave found (No UST) (AOC-5)	See AOC-5						--	--	--	--	See AOC-5 Recommendations; close out AOC
SA-W	Stabilization Area W Empty Concrete Vault found (AOC-5)	See AOC-5						--	--	--	--	See AOC-5 Recommendations

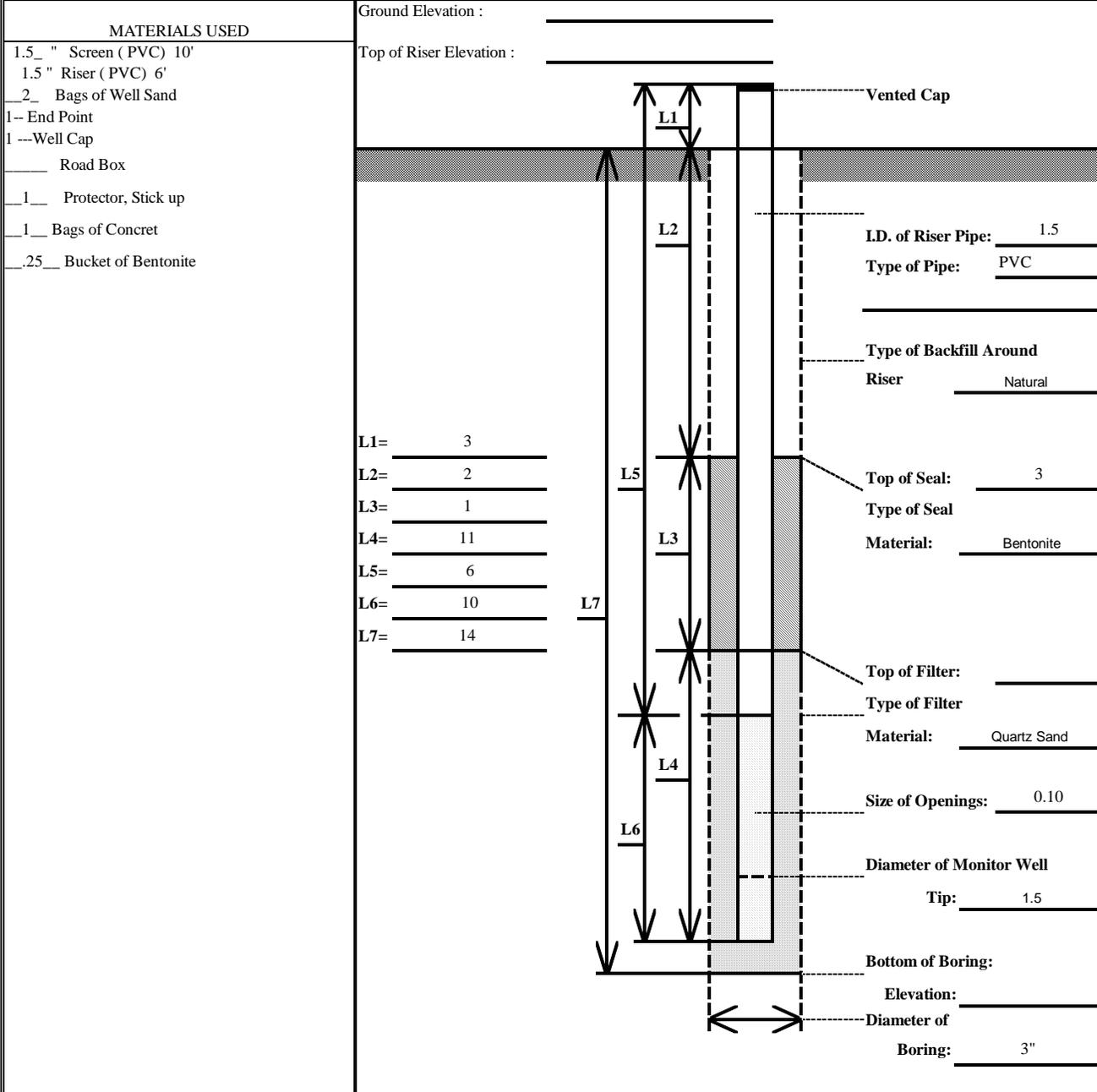
Notes: 1) See Table 5 for a comprehensive summary of RSR exceedances in soil, including pre-2006 data collected previously from other
2) Supplemental investigations provided in the recommendations column are dependent on the final reuse plan and therefore are subject to change. These recommended investigations are provided for planning purposes only.

UST = underground storage tank.
AST = aboveground storage tank.
ft² = square feet.
ETPH = extractable total petroleum hydrocarbons
VOCs = volatile organic compounds
PAHs = poly-cyclic aromatic hydrocarbons
metals = CT 15 metals
PCBs = polychlorinated biphenyls.
N/A = not applicable.

COCs - Constituents of Concern

**APPENDIX F: BORING LOGS, WELL COMPLETION LOGS AND WELL
SAMPLE DATA SHEETS**

PROJECT : Factory H		SHEET	WELL NO.
SITE LOCATION 10 Prospect Drive Newtown CT		JOB NO: 36800786 LOCATION: On site N: _____ E: _____	AOC- 11-MW-1 Elevation: _____ Total Depth: 14
DRILL CONTRACTOR : Glacier Drilling	ENG/GEO: Jason Miller	DRILLER : Barry	DATE : 3/30/06
INSTALLATION METHOD: 6600 geoprobe			TIME : _____ Ground Water (Depth/Elev.) :
TYPE OF MONITORING WELL :			



REMARKS : _____

PROJECT : Factory H		SHEET 1 of 1		BORING NO. MW-100	
SITE LOCATION: 77 Cooper St Meriden CT		JOB NO.: # 60004878.01		Elevation: Total Depth: 19	
		LOCATION: On Site, N: W			
DRILL CONTRACTOR : ADT		ENG/GEO : Sarah Perhala		BEGUN : 11/23/2006	
DRILL RIG: Track 1		DRILLER : Chris/Lee		FINISHED : 11/23/2006	
Hole Size : 2"		Weather : Low 50's Overcast		Ground Water (Depth/Elev.) : ~11.5'	
Drilling Method : Geoprobe		Drilling Fluid : None		Top of Rock (Depth/Elev.) :	

Depth (ft)	Sample Type/No.	PID (ppm)	Time	Blow Counts # per 6"	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION NOTE: Depths read from top of recovered sample	STRATIGRAPHIC DESCRIPTION
5		0.0			51"	9" Dark brown M Sand, some brick fragments and tan F sand (fill), moist	This boring was moved approximately 9x as refusal was encountered between 5.5-7.5' at each location.
						13" Reddish-brn M-F Sand, some silt and fine gravel, few rock fragments, moist	
						2" Burnt wood fragments, dry	
						11" Dark brn M-F Sand , wood and brick fragments, F tan (foundry) sand (fill),	
						4" Brick, dry	
10		0.0			49"	12" Fill (SAA)	Wet ~11.5'
						33" SAA (fill) plus asphalt and white rock fragments, moist	
						16" Reddish-brn F Sand & Silt, moist, compact	
15		0.0			58"	18" SAA (fill)	
		53.0				34" Reddish-brn F Sand & Silt, moist, compact	
		0.0				3" Rock fragments & Red M Sand, moist	
		0.0				3" Reddish-brn F Sand & Silt, moist, compact	
19		19.2			58"	58" Reddish-brn C-VC flowing Sands, wet	
25							

SAMPLE TYPES: SS=SPLIT SPOON ST=SHELBY TUBE R=ROCK CORE	Trace 0 to 5%	SPT Resistance		Approved/Date
	Few 5 to 10%	Cohesionless Density: 0-4 V. Loose		
	Little 15 to 25%	5-9 Loose 10-29 Med. Dense		
	Some 30 to 45%	30-49 Dense 50+ V. Dense		
		Cohesive Consistency: 0-2 V. Soft 3-4 Soft, 5-8 M/Stiff, 9-15 Stiff 16-30 V. Stiff, 31+ Hard		

PROJECT : Factory H		SHEET 1 of 1		BORING NO. MW-101	
SITE LOCATION: 77 Cooper St Meriden CT		JOB NO.: # 60004878.01		Elevation: Total Depth: 33'	
		LOCATION: On Site, N: W		BEGUN : 11/23/2006	
DRILL CONTRACTOR : ADT		ENG/GEO : Sarah Perhala		FINISHED : 11/23/2006	
DRILL RIG: Track 1		DRILLER : Chris/Lee			
Hole Size : 2"		Weather : Low 50's Overcast		Ground Water (Depth/Elev.) : ~12'	
Drilling Method : Geoprobe			Drilling Fluid : None		Top of Rock (Depth/Elev.) :

Depth (ft)	Sample Type/No.	PID (ppm)	Time	Blow Counts # per 6"	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION NOTE: Depths read from top of recovered sample	STRATIGRAPHIC DESCRIPTION
5		0.0				*No soil screening was performed from 0-15' *No soil screening was performed below 25' *MW installed to 33'	Wet ~12'
10							Wet ~12'
15		0.0			58"	58" Reddish-brn VC flowing Sands, wet	Wet ~12'
20		8.5			58"	58" Reddish-brn VC flowing Sands, wet	Wet ~12'
25							Wet ~12'

SAMPLE TYPES: SS=SPLIT SPOON ST=SHELBY TUBE R=ROCK CORE	Trace 0 to 5%	SPT Resistance		Approved/Date
	Few 5 to 10%	Cohesionless Density: 0-4 V. Loose		
	Little 15 to 25%	5-9 Loose 10-29 Med. Dense		
	Some 30 to 45%	30-49 Dense 50+ V. Dense		
		Cohesive Consistency: 0-2 V. Soft		
		3-4 Soft, 5-8 M/Stiff, 9-15 Stiff		
		16-30 V. Stiff, 31+ Hard		

PROJECT : Factory H		SHEET 1 of 1		BORING NO. MW-102	
SITE LOCATION: 77 Cooper St Meriden CT		JOB NO.: # 60004878.01		Elevation:	
		LOCATION: On Site, N: W		Total Depth: 19'	
DRILL CONTRACTOR : ADT		ENG/GEO : Sarah Perhala		BEGUN : 11/23/2006	
DRILL RIG: Track 1		DRILLER : Chris/Lee		FINISHED : 11/23/2006	
Hole Size : 2"		Weather : Low 50's Overcast		Ground Water (Depth/Elev.) : ~12'	
Drilling Method : Geoprobe			Drilling Fluid : None		Top of Rock (Depth/Elev.) :

Depth (ft)	Sample Type/No.	PID (ppm)	Time	Blow Counts # per 6"	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION NOTE: Depths read from top of recovered sample	STRATIGRAPHIC DESCRIPTION
2		0.0			21"	Hand dug to 2' - Dk brn M Sand, some rock & cobbles, moist	
		0.0				10" Brn-dk brn F-M Sand, some rock & brick fragments, moist	
						11" Dk brn-black M-C Sand, some fill (asphalt, brick, M gravel), moist	
5					55"	7" SAA	
						16" Reddish-brn F Sand, trace silt & F-M sand, moist	
						32" Reddish-orange F-M Sand, trace F gravel, moist	
10		0.0				Reddish-brn F-M Sand, wet at 12'	
15							
20							
25							

SAMPLE TYPES: SS=SPLIT SPOON ST=SHELBY TUBE R=ROCK CORE	Trace 0 to 5%	SPT Resistance	Cohesionless Density: 0-4 V. Loose 5-9 Loose 10-29 Med. Dense 30-49 Dense 50+ V. Dense	Cohesive Consistency: 0-2 V. Soft 3-4 Soft, 5-8 M/Stiff, 9-15 Stiff 16-30 V. Stiff, 31+ Hard	Approved/Date
	Few 5 to 10%				
	Little 15 to 25%				
	Some 30 to 45%				

PROJECT : Factory H		SHEET 1 of 1		BORING NO. MW-103	
SITE LOCATION: 77 Cooper St Meriden CT		JOB NO.: # 60004878.01		Elevation:	
		LOCATION: On Site, N: W		Total Depth: 17'	
DRILL CONTRACTOR : ADT		ENG/GEO : Sarah Perhala		BEGUN : 11/23/2006	
DRILL RIG: Track 1		DRILLER : Jay/Drew		FINISHED : 11/23/2006	
Hole Size : 2"		Weather : Low 50's Overcast		Ground Water (Depth/Elev.) : ~10'	
Drilling Method : Geoprobe			Drilling Fluid : None		Top of Rock (Depth/Elev.) :

Depth (ft)	Sample Type/No.	PID (ppm)	Time	Blow Counts # per 6"	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION NOTE: Depths read from top of recovered sample	STRATIGRAPHIC DESCRIPTION
5		0.0			36"	8" Dk brn M-F Sand, wood chips, moist	Wet ~10'
						8" Reddish-brn F Sand, moist	
						5" Gray & white Fill (rock, spongy wood), moist	
						15" Reddish-brn F Sand, some wood fragments, moist	
10		0.0			42"	42" Reddish-brn F-M Sand, trace rock fragments, trace M gravel, moist	
15		0.0			52"	52" Reddish-brn M-F Sand, wet	
20							
25							

SAMPLE TYPES: SS=SPLIT SPOON ST=SHELBY TUBE R=ROCK CORE	Trace 0 to 5%	SPT Resistance		Approved/Date
	Few 5 to 10%	Cohesionless Density: 0-4 V. Loose		
	Little 15 to 25%	5-9 Loose 10-29 Med. Dense		
	Some 30 to 45%	30-49 Dense 50+ V. Dense		
		Cohesive Consistency: 0-2 V. Soft 3-4 Soft, 5-8 M/Stiff, 9-15 Stiff 16-30 V. Stiff, 31+ Hard		

PROJECT : Factory H		SHEET 1 of 1		BORING NO. MW-104	
SITE LOCATION: 77 Cooper St Meriden CT		JOB NO.: # 60004878.01		Elevation:	
		LOCATION: On Site, N: W		Total Depth: 17'	
DRILL CONTRACTOR : ADT		ENG/GEO : Sarah Perhala		BEGUN : 11/23/2006	
DRILL RIG: Track 1		DRILLER : Jay/Drew		FINISHED : 11/23/2006	
Hole Size : 2"		Weather : Low 50's Overcast		Ground Water (Depth/Elev.) : ~9'	
Drilling Method : Geoprobe			Drilling Fluid : None		Top of Rock (Depth/Elev.) :

Depth (ft)	Sample Type/No.	PID (ppm)	Time	Blow Counts # per 6"	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION NOTE: Depths read from top of recovered sample	STRATIGRAPHIC DESCRIPTION
5		0.0			28"	4" Dk brn M Sand, moist	Wet ~9'
						3" Tan brick fragments, dry	
						21" Reddish-brn M-F Sand, trace silt & F gravel, moist	
10		0.0			39"	19" Reddish-brn M-F Sand, trace silt & f gravel, moist	
						2" Black fill (asphalt)	
						4" Reddish-brn F-M Sand, moist	
						3" Black fill (asphalt) & rock	
						12" Reddish-brn F Sand, very moist	
15		0.0			58"	58" Reddish-brn F Sand, wet	
20		0.0			58"	58" Reddish-brn F Sand, wet	
25							

SAMPLE TYPES: SS=SPLIT SPOON ST=SHELBY TUBE R=ROCK CORE	Trace 0 to 5%	SPT Resistance		Approved/Date	
	Few 5 to 10%	Cohesionless Density:	0-4 V. Loose		Cohesive Consistency: 0-2 V. Soft
	Little 15 to 25%		5-9 Loose 10-29 Med. Dense		3-4 Soft, 5-8 M/Stiff, 9-15 Stiff
	Some 30 to 45%		30-49 Dense 50+ V. Dense		16-30 V. Stiff, 31+ Hard

PROJECT : Factory H		SHEET 1 of 1		BORING NO. MW-105	
SITE LOCATION: 77 Cooper St Meriden CT		JOB NO.: # 60004878.01		Elevation:	
		LOCATION: On Site, N: W		Total Depth: 14'	
DRILL CONTRACTOR : ADT		ENG/GEO : Sarah Perhala		BEGUN : 11/23/2006	
DRILL RIG: Track 1		DRILLER : Jay/Drew		FINISHED : 11/23/2006	
Hole Size : 2"		Weather : Low 50's Overcast		Ground Water (Depth/Elev.): ~5-6'	
Drilling Method : Geoprobe			Drilling Fluid : None		Top of Rock (Depth/Elev.):

Depth (ft)	Sample Type/No.	PID (ppm)	Time	Blow Counts # per 6"	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION NOTE: Depths read from top of recovered sample	STRATIGRAPHIC DESCRIPTION
5		0.0			27"	19" Reddish-brn F-M Sand	Wet ~5-6'
						8" Tan-brn F Sand & Fill (asphalt, rock, foundry sand, gravel), moist	
10		0.0			33"	6" Brn-Reddish brn F Sand, trace M gravel, wet	Wet ~5-6'
						2" Tan Fill (brick, sand, asphalt, gravel), moist	
						7" Reddish-brn F-M Sand with trace silt & gravel, moist	
						17" Reddish-brn F-M Sand, some F gravel, moist to wet	
15		0.0			42"	42" Reddish-brn M-VC Sand, fine gravel, wet	Wet ~5-6'
20							Wet ~5-6'
25							Wet ~5-6'

SAMPLE TYPES: SS=SPLIT SPOON ST=SHELBY TUBE R=ROCK CORE	Trace 0 to 5%	SPT Resistance		Approved/Date
	Few 5 to 10%	Cohesionless Density: 0-4 V. Loose		
	Little 15 to 25%	5-9 Loose 10-29 Med. Dense		
	Some 30 to 45%	30-49 Dense 50+ V. Dense		
		Cohesive Consistency: 0-2 V. Soft		
		3-4 Soft, 5-8 M/Stiff, 9-15 Stiff		
		16-30 V. Stiff, 31+ Hard		

PROJECT : Factory H		SHEET	BORING NO.
SITE LOCATION: 77 Cooper St Meriden CT		1 of 1	MW-106
JOB NO.: # 60004878.01		Elevation:	Total Depth:
LOCATION: On Site, N: W			13'
DRILL CONTRACTOR : ADT		ENG/GEO :	Sarah Perhala
DRILL RIG: Track 1		DRILLER :	Jay/Drew
Hole Size : 2"		Weather : Low 50's Overcast	
		Ground Water (Depth/Elev.): ~6'	
Drilling Method : Geoprobe		Drilling Fluid : None	
		Top of Rock (Depth/Elev.):	

Depth (ft)	Sample Type/No.	PID (ppm)	Time	Blow Counts # per 6"	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION NOTE: Depths read from top of recovered sample	STRATIGRAPHIC DESCRIPTION
5		0.0			37"	17" Gray-dk brn F-M Sand, some fill material (sand, brick, asphalt), trace silt & F gravel, moist	
						3" Fill (asphalt, brown & white sand)	
						17" Reddish-brn F Sand & Silt, moist	
10		0.0			38"	22" Brn - dk brn F Sand, trace silt, moist	Wet ~6'
						16" Reddish-brn M-VC Sand, some M gravel, wet	
15		0.0			58"	13" Reddish-brn C Sand, wet	
						24" Reddish-brn F Sand, wet	
20							
25							

SAMPLE TYPES: SS=SPLIT SPOON ST=SHELBY TUBE R=ROCK CORE	Trace 0 to 5%	SPT Resistance	Cohesionless Density: 0-4 V. Loose 5-9 Loose 10-29 Med. Dense 30-49 Dense 50+ V. Dense	Cohesive Consistency: 0-2 V. Soft 3-4 Soft, 5-8 M/Stiff, 9-15 Stiff 16-30 V. Stiff, 31+ Hard	Approved/Date
	Few 5 to 10%				
	Little 15 to 25%				
Some 30 to 45%					

PROJECT : Factory H					SHEET		BORING NO.		
SITE LOCATION: 77 Cooper St Meriden CT					JOB NO.: # 60004878.01		1 of 1 MW-107		
					LOCATION: On Site, N: W		Elevation:		
DRILL CONTRACTOR : ADT					ENG/GEO : Sarah Perhala		BEGUN : 11/23/2006		
DRILL RIG: Track 1					DRILLER : Jay/Drew		FINISHED : 11/23/2006		
Hole Size : 2"		Weather : Low 50's Overcast			Ground Water (Depth/Elev.) :				
Drilling Method : Geoprobe					Drilling Fluid : None		Top of Rock (Depth/Elev.) :		
Depth (ft)	Sample Type/No.	PID (ppm)	Time	Blow Counts # per 6"	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION		STRATIGRAPHIC DESCRIPTION	
						NOTE: Depths read from top of recovered sample			
5		0.0			24"	8" Black M Sand, rock fragments & asphalt, dry		Wet ~5.5-6'	
						3" Fill (foundry sand, brown M sand), moist			
						5" Brick, dry			
						8" brn to reddish-brn M-F Sand, some F gravel, trace silt, moist			
10		15.4			43"	4" Reddish-brn F-M Sand, trace brick, moist			6-8' 114 ppm in ziploc
		44.3				21" Reddish-brn F Sand, Silt, wet (soft)			
		64.4				10" Gray F Sand & Silt, wet (soft)			8-9' 146 ppm in ziploc
		63.3				3" Gray & tan & brown F Sand, trace silt, some F gravel, moist			
						5" Reddish-brn M-F Sand, very moist			
15		15.2			33"	33" Reddish-brn M Sand, wet			
20									
25									
SAMPLE TYPES:		Trace 0 to 5%		SPT Resistance				Approved/Date	
SS=SPLIT SPOON		Few 5 to 10%		Cohesionless Density:		0-4 V. Loose			
ST=SHELBY TUBE		Little 15 to 25%		5-9 Loose		10-29 Med. Dense			
R=ROCK CORE		Some 30 to 45%		30-49 Dense		50+ V. Dense			
				Cohesive Consistency:		0-2 V. Soft 3-4 Soft, 5-8 M/Stiff, 9-15 Stiff 16-30 V. Stiff, 31+ Hard			

APPENDIX G: ANALYTICAL LABORATORY REPORTS

APPENDIX I: BROWNFIELD REDEVELOPMENT PLAN

APPENDIX E: PREVIOUS INVESTIGATIONS – DOCUMENTS

**INTERNATIONAL SILVER CO., FACTORY H
BROWNFIELDS TARGETED SITE ASSESSMENT
FINAL REPORT**

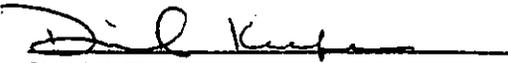
Prepared For:

U.S. Environmental Protection Agency Region I
Office of Site Remediation and Restoration
One Congress Street, Suite 1100
Boston, MA 02114-2023

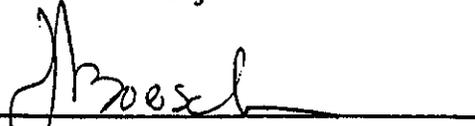
Prepared by:

Roy F. Weston, Inc. (WESTON®)
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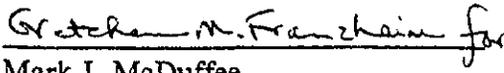
Region I START
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9/8/99
Date


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9/8/99
Date

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- Appendix B Environmental Risk Information & Imaging Services
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- Appendix C International Silver Co., Factory H
Brownfields Targeted Site Assessment
Photodocumentation Log
- Appendix D Soil Gas Sample Field Screening Analytical Results
International Silver Co., Factory H
START
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- Appendix E Monitoring Wells MW-8 through MW-14 Boring Logs
International Silver Co., Factory H
START
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- Appendix F Surface Water, Soil, Sediment, and Wipe Sample Analytical Results
International Silver Co., Factory H
START
Samples Collected 8 August to 1 September 1998
- Appendix G Groundwater Sample Analytical Results
International Silver Co., Factory H
START
Groundwater Samples Collected 23 to 24 September 1998
- Appendix H International Silver Co., Factory H
Brownfields Targeted Site Assessment
Cleanup Summary Memorandum

1.0 INTRODUCTION

The Roy F. Weston, Inc. (WESTON®) Superfund Technical Assessment and Response Team (START) has completed a Brownfields Targeted Site Assessment (BTSA) at the International Silver Co., Factory H (INSILCO) property in Meriden, Connecticut on behalf of the U.S. Environmental Protection Agency Region I (EPA Region I), Office of Site Remediation and Restoration through Technical Direction Document (TDD) number 99-05-0230. The BTSA Report presents the results of site assessment activities performed by START at the INSILCO property. Any use of this document or the information contained herein by persons or entities other than EPA Region I shall be at the sole risk and liability of said person or entity (see Appendix A - Limitations) Project activities were detailed in the Quality Assurance Project Plan/Field Task Work Plan (QAPP/FTWP) for the INSILCO site, dated 18 August 1998, as prepared by START and verbally approved by EPA Region I.

Background information used in the generation of this report was obtained through a review of files maintained at the City of Meriden Town Hall and the Connecticut Department of Environmental Protection (CT DEP); a site visit conducted on 13 August 1997 by START personnel, accompanied by the EPA Region I Task Monitor, CT DEP personnel, and representatives of the Veterans Memorial Medical Center; and an electronic database search of Federal and State regulatory agency files prepared by Environmental Risk Information & Imaging Services (ERIS). The ERIS database report is included as Appendix B.

Additional information was collected during the on-site field investigation conducted from 24 August to 1 September 1998 and 23 to 24 September 1998. As part of the investigation, soil gas samples were collected by START personnel and analyzed on site with field screening equipment; and soil, sediment, surface water, wipe, and groundwater samples were collected and analyzed off site at private laboratories. Results of these analyses and conclusions are presented in this BTSA Report. The supporting documentation, including chain-of-custody forms, analytical data reports, and boring logs, are included as appendices.

2.0 SITE DESCRIPTION

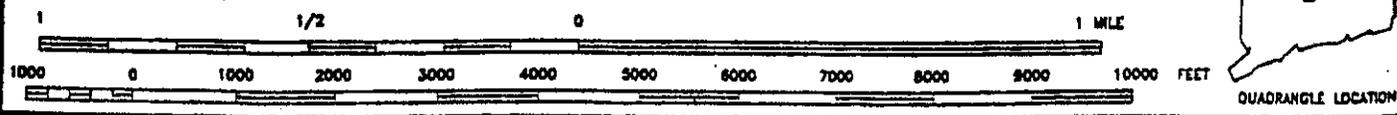
2.1 Background

The INSILCO property is located on Cooper Street in Meriden, New Haven County, Connecticut and occupies an estimated 7.2 acres. The geographic coordinates as measured from the center of the property are 41° 32' 2.9" north latitude and 72° 48' 25.3" west longitude (Figure 1). The property is bisected by Harbor Brook which flows north to south through the property (Figure 2). Historically, the site was used for a variety of industrial and manufacturing purposes. Manufacturing operations ceased in approximately 1974, at which time the property was vacated. The property has remained vacant since 1974, and is currently abandoned.

The INSILCO property is located in a mixed residential and commercially zoned area of downtown Meriden. The property is bordered by the Harbor Towers and Hanover Towers apartments to the north; railroad tracks, Cherry Street, and residences to the east; Cooper Street to the south; and the Veterans Memorial Medical Center (VMC) and residences to the west.



BASE MAP IS A PORTION OF THE FOLLOWING 7.5' x 7.5' U.S.G.S. QUADRANGLE(S):
 SOUTHTON, CT 1968, PHOTOREVISED 1984
 MERIDEN, CT 1968, PHOTOREVISED 1984



LOCATION MAP
 INTERNATIONAL SILVER CO.
 FACTORY H
 COOPER STREET
 MERIDEN, CONNECTICUT



REGION I SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM

TDD # 97-05-0026	DRAWN BY: J. CHOW	DATE 7/10/97
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FILE NAME: P:\BSA\97050026\FIGURES\INSILCO1.0WG	FIGURE 1
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Four buildings were originally located on the property; however, one of the buildings was destroyed by a fire in 1980, and was subsequently demolished (Figure 2). The three existing buildings consist of Building A, a four-story brick building constructed in two stages circa 1866 and 1947, with a building footprint of approximately 76,000 square feet (ft²); Building B, a two-story transformer/electrical house constructed in the 1940s with a building footprint of 900 ft²; and Building C, a two-story power plant, boiler house, and smokestack constructed in the 1940s with a building footprint of 3,600 ft². The former fourth building, Building D, was a series of three buildings constructed in circa 1854, and contained a 22,000 ft² machine shop facility, a 6,000 ft² foundry facility, and a 1,700 ft² pattern shop. Use of the property prior to circa 1854 is unknown.

Other structures currently located on the INSILCO property are a footbridge crossing Harbor Brook and an inactive water tower. A series of 19 cyclone-shaped dust filters are located along the eastern perimeter of Building A. The dust filters are believed to have been used to collect polishing and buffing dust created as part of the former silverware manufacturing processes. Approximately one-quarter of the property is covered by asphalt pavement or by building footprints. No abutting wetlands are known to be located along the stretch of Harbor Brook that flows through the property. The property is connected to municipal water and sewer service.

Based on a Sanborn Fire Insurance (Sanborn) map from 1891, the subject property formerly consisted of two separate parcels separated by Harbor Brook (Figure 2). C. Rogers and Brothers Silverware, located on the parcel west of Harbor Brook, was engaged in the manufacturing of plated flatware, cutlery, and ornamental casket trimmings and hardware. Sanborn maps indicate that operations conducted on the property included casting, plating, machining, trimming, polishing, buffing, packaging, storage, and shipping. Detailed information regarding the types of materials used and wastes generated by C. Rogers and Brothers Silverware was not available. In 1903, C. Rogers and Brothers Silverware became U.S. Silver, which was later acquired by INSILCO. The INSILCO acquisition date of U.S. Silver is unknown.

Based on available Sanborn maps, Parker Bros. Gun Works was located on the parcel east of Harbor Brook and was engaged in the production of guns from 1891 until sometime in the 1930s. Sanborn maps indicate that operations conducted on the property included forging, casting, machining, and storage. Detailed information regarding the types of materials used and wastes generated by Parker Bros. Gun Works was not available. In the 1930s, INSILCO purchased the Parker Bros. Gun Works property and facility. INSILCO combined the two parcels and operated the facility, known as Factory H, for the production of flatware and cutlery until operations were relocated in approximately 1974. The property and the on-site buildings have been vacant since that time. Pedestrian access to the property is available through unfenced portions of the property along the northeast and southern property boundaries.

An estimated 12 underground storage tanks (USTs) are reportedly located on the property; however, detailed information regarding the size, contents, and location of many of the USTs was not available. Two 20,000-gallon fuel oil USTs are located east of Building C. One gasoline UST of unknown size is located south of Building C. One 1,000-gallon kerosene UST is located southeast of Building A. One 10,000-gallon wastewater UST is located northeast of Building B. Seven other USTs reportedly may be located along the east side of Building A; however, the sizes and locations of the USTs could not be confirmed (Figure 2).

INSILCO is known to have conducted plating operations and is reported to have generated and discharged alkali soaps; copper, chromium, and zinc solutions; and sulfuric acid to the sanitary sewer system. They also generated and discharged oils, pumice, and wastewaters containing nickel, silver, chromium, copper, zinc, and acid and alkali solutions to Harbor Brook. Halogenated and non-halogenated solvents are also reported to have potentially been used and generated during INSILCO manufacturing operations. More detailed information of industrial processes conducted by INSILCO on the subject property is unavailable.

In 1977, Carabetta Enterprises purchased a 10-acre piece of land comprised of the current 7.2-acre INSILCO property and the current 2.8-acre VMMC parcel (located northwest and adjacent to the current INSILCO property). Carabetta Enterprises renovated and constructed the Meriden Medical Center on the 2.8-acre VMMC parcel.

In 1981, ownership of the 7.2-acre portion of the property was transferred back to INSILCO through quit claim, and subsequently INSILCO donated the property to Meriden-Wallingford Hospital. From 1981 to 1985, Meriden-Wallingford Hospital may have used a small portion of Building A for warehouse space.

In 1985, as part of a redevelopment effort, BL&A Associates Limited Partnership (BL&A) purchased the 7.2-acre INSILCO property from Meriden-Wallingford Hospital (which later became VMMC). The redevelopment did not proceed, in part due to the potential cost of remediation, and the property was abandoned. BL&A remains the legal owner of record and VMMC holds the mortgage for the INSILCO property.

2.2 Regulatory Status

A Pollution Abatement Order was issued by CT DEP to BL&A on 15 May 1997 in an attempt to gain access to the property. No orders for cleanup were issued in the Pollution Abatement Order. To date, no known orders or activities to mitigate on-site pollution have been conducted.

The INSILCO Factory H property is not listed on any of the following State or Federal environmental databases: the National Priorities List (NPL); the Comprehensive Environmental Response, Compensation, and Liability Act Information System (CERCLIS); the Resource Conservation and Recovery Act Information System (RCRIS); and the State of Connecticut Inventory of Hazardous Waste Sites.

According to CT DEP, the property is not classified as an "Establishment" under the Connecticut Transfer Act as it was not occupied after 1980. Therefore, the property would not be subject to Transfer Act disclosure requirements upon sale.

2.3 Previous Environmental Investigations

The following environmental investigations are known to have been performed on the subject property and were available for review:

- HRP Associates, Inc., *Site Assessment Report*, 21 June 1988.

- Advanced Environmental Interface, Inc., *Assessment of Site Environmental Conditions Report*, 24 January 1990.
- ICF Kaiser Engineers, Inc., *Underground Storage Tank Sampling Report*, 17 December 1990.
- Roy F. Weston, Inc., *Removal Program Preliminary Assessment/Site Investigation Report*, 22 December 1997.

HRP Associates, Inc. (HRP) completed a Site Assessment (SA) Report on 21 June 1988 for BL&A. As part of the SA, HRP identified potential source areas and conducted environmental sampling. Potential source areas identified by HRP included 11 USTs; six aboveground storage tanks (ASTs); suspect asbestos-containing materials (ACMs); visibly stained soils; uncharacterized debris piles; dust piles generated by the facility's dust collectors; miscellaneous sumps, floor drains, catchbasins, and a dry well; suspect lead paint; and stained interior building surfaces. As part of the SA, HRP conducted soil, groundwater, and surface water sampling.

HRP advanced 13 soil borings on the INSILCO property; five of the soil borings were completed as monitoring wells. During the drilling process, HRP field-screened soil boring samples using a photoionization detector (PID). HRP also collected composite soil samples from beneath the pavement under dust collectors along the east side of Building A and a composite sample from the dust piles.

Eight soil samples from test borings, two composite soil samples from beneath the pavement, and one composite sample from the dust piles were submitted for laboratory analyses for halogenated volatile organic compounds (VOCs) by EPA Method 8010; aromatic VOCs by EPA Method 8020; Extraction Procedure (EP) Toxicity metals (arsenic, barium, cadmium, chromium, lead, mercury, silver, and selenium) plus copper and nickel, and total cyanide. The method of analysis for EP Toxicity metals (plus copper and nickel), and total cyanide were not provided in the HRP SA Report.

HRP also collected groundwater samples from the five monitoring wells and three surface water samples from Harbor Brook (one each upstream, on-site, and downstream of the property). The groundwater and surface water samples were submitted for the same laboratory analyses as the soil samples; however, the aqueous samples were not analyzed for cyanide.

Tables 1 and 2 summarize the analytical results of the HRP soil and groundwater samples and list the CT DEP Remediation Standard Regulation (RSR) (*Regulation of Connecticut State Agencies, Sections 22a-133k-1 through 22a-133k-3*) values for comparison purposes.

Analytical results indicated soil contamination in the northeast corner of the property with maximum concentrations of trichloroethylene (TCE) at 0.873 parts per million (ppm), tetrachloroethylene (PCE) at 0.924 ppm, xylene at 1.253 ppm, toluene at 0.392 ppm, chromium at 0.23 ppm, and copper at 0.01 ppm.

International Silver Co., Factory H
 IIRP Soil Sample Results - Samples Collected 1-3 June 1988

Sample ID	Sample Depth (feet)	Contaminant and Concentration (ppm)	RES-DEC (ppm)	I/C-DEC (ppm)	PMC-GB (ppm)
TB7 S2	5-7	Trichloroethylene	56	520	1.0
		Tetrachloroethylene	12	110	1.0
TB7 S6	13-15	Tetrachloroethylene	12	110	1.0
TB8 S2	4-6	Trichloroethylene	56	520	1.0
		Tetrachloroethylene	12	110	1.0
		Chromium (total)	NA	NA	0.5
TB8 S6	12-14	Tetrachloroethylene	12	110	1.0
		Toluene	500	1,000	67
		o-Xylene	500	1,000	19.5
		Copper	NA	NA	13
MW1 S2	5-7	Trichloroethylene	56	520	1.0
		Tetrachloroethylene	12	110	1.0
MW1 S3	10-12	Trichloroethylene	56	520	1.0
		Tetrachloroethylene	12	110	1.0
		Toluene	500	1,000	67
		p-Xylene	500	1,000	19.5
		o-Xylene	500	1,000	19.5
MW2 S2	5-7	No substances detected			
MW5 S2	5-7	No substances detected			

RES-DEC = CT DEP Residential Direct Exposure Criteria.
 I/C-DEC = CT DEP Industrial/Commercial Direct Exposure Criteria.
 PMC-GB = CT DEP Pollutant Mobility Criteria for GB classified areas.
 NA = Not applicable. Comparison with CT DEP DEC standards requires total metals analyses. Leachable metals analyses are not comparable.
 ppm = Parts per million.
 Soil samples were analyzed for halogenated volatile organic compounds (VOCs) (EPA Method 8010), aromatic VOCs (EPA Method 8020), and leachable Extraction Procedure (EP) Toxicity metals (arsenic, barium, cadmium, chromium, lead, mercury, silver and selenium) plus copper and nickel, and total cyanide. All substances detected are listed in the above table.

Table 2

International Silver Co., Factory H
 HRP Groundwater Sample Results - Samples Collected 6 June 1988

Well ID	Contaminant and Concentration (ppb)	SWPC	RES-GWVC	I/C-GWVC
MW-1	Trichloroethylene	2,340	219	540
	Tetrachloroethylene	88	1,500	3,820
MW-2	Trichloroethylene	2,340	219	540
MW-3	Trichloroethylene	2,340	219	540
	Tetrachloroethylene	88	1,500	3,820
MW-4	Methylene chloride	48,000	50,000	50,000
	Trichloroethylene	2,340	219	540
	Tetrachloroethylene	88	1,500	3,820
MW-5	Trans-1,2-dichloroethylene	NA	NA	NA
	Trichloroethylene	2,340	219	540

SWPC = CT DEP Surface Water Protection Criteria.

RES-GWVC = CT DEP Residential Groundwater Volatilization Criteria.

I/C-GWVC = CT DEP Industrial/Commercial Groundwater Volatilization Criteria.

NA = Not applicable. No CT DEP RSR standards promulgated.

ppb = Parts per billion.

Groundwater samples were analyzed for halogenated volatile organic compounds (VOCs) (EPA Method 8010), aromatic VOCs (EPA Method 8020), metals (arsenic, barium, cadmium, total chromium, lead, mercury, selenium, silver, copper, nickel), and total cyanide. It is unknown if samples were filtered for dissolved metals analyses or were submitted for total metals. All compounds detected are listed in the above table.

Analytical results for the dust pile composite sample indicated the presence of silver (0.06 ppm), copper (65 ppm), and nickel (46 ppm). Copper (15 ppm) and nickel (4.2 ppm) were detected in the soil samples collected from beneath the pavement under the dust collectors.

Laboratory analysis of groundwater samples collected from the monitoring wells revealed the following contaminants with the following maximum concentrations: TCE at 69 parts per billion (ppb), PCE at 33 ppb, trans-1,2-dichloroethylene at 20 ppb, and methylene chloride at 2 ppb. Moreover, contaminants (i.e., VOCs) were in all of the monitoring wells sampled. Sampling and analysis of surface water from Harbor Brook indicated the presence of TCE at 1 ppb, 2 ppb, and 10 ppb at locations upstream, on-site, and downstream of the property, respectively.

HRP concluded that remediation and additional assessment activities were needed to address on-site contaminant source areas. No subsequent remedial activities are known to have been conducted.

Advanced Environmental Interface, Inc. (AEI) completed an Assessment of Site Environmental Conditions Report on 24 January 1990. AEI summarized the HRP SA findings and conducted additional environmental sampling. AEI sampled suspect ACMs, the contents from the 10,000-gallon wastewater UST, the contents of four 55-gallon drums, and the dust piles. AEI sampling of suspect ACMs indicated the presence of friable asbestos in pipe insulation and nonfriable asbestos in floor tiles, roof shingles, and exterior AST insulation. Laboratory analysis of the 10,000-gallon wastewater UST indicated that the contents were slightly alkaline (pH = 9.3) and contained silver and lead. The AEI report did not document the exact concentration of silver and lead found in the wastewater sample.

AEI conducted an inventory of drums and performed laboratory analysis on the contents of four 55-gallon drums. A drum of sludge was found to contain ammonia, iron, and zinc; a drum of waste oil was found to contain ammonia, chromium, silver, copper, iron, nickel, zinc, lead, and cadmium; a drum of lubricating grease was found to contain 100% solids and no restricted solvents; and a drum of metal grinding dust was found to contain copper and nickel. Laboratory analysis of a dust pile sample indicated the presence of silver, copper, nickel, and zinc. The AEI report did not document the exact concentration of contaminants found in the drum and dust pile samples. AEI estimated the volume of the dust piles to be approximately 20 55-gallon drums.

AEI also conducted a soil gas survey on the northeast corner of the subject property as part of their assessment. The soil gas survey was conducted to further investigate the area of soil contamination documented in the 1988 HRP SA Report. Seven soil gas sampling locations were analyzed in the field using a PID. No laboratory quantitative analysis of soil gas samples was conducted. Results of the AEI soil gas survey indicated elevated levels of organic vapors at concentrations up to 560 ppm (isobutylene equivalents) in the vicinity of contaminated soil areas identified during the HRP SA. AEI concluded that potential on-site source areas might require response actions. No subsequent remedial activities are known to have been conducted.

In November 1990, ICF Kaiser Engineers, Inc. (ICF) installed two additional monitoring wells (MW-6 and MW-7) on the INSILCO property. Laboratory analysis of groundwater samples

collected from MW-6 and MW-7 indicated the presence of contaminants with maximum concentrations of TCE at 17 ppb and trichlorofluoromethane at 140 ppb.

ICF completed an Underground Storage Tank Sampling Report on 17 December 1990. ICF sampled four on-site USTs (the two 20,000-gallon USTs located east of Building C, the UST located south of Building C, and the UST near the southeast corner of Building A). Laboratory analysis of the sampled USTs indicated that they contained petroleum products with maximum contaminant concentrations of xylenes at 480 ppm, toluene at 86 ppm, ethylbenzene at 73 ppm, copper at 0.01 ppm, chromium at 2.6 ppm, nickel at 2.4 ppm, lead at 46 ppm, and zinc at 3.8 ppm. The contents of the two 20,000-gallon USTs located east of Building C, the UST located south of Building C, and the UST near the southeast corner of Building A were identified by the analytical laboratory as being similar to diesel fuel, gasoline, and kerosene, respectively. ICF noted that the contents of the USTs would be acceptable for processing at an oil recovery facility. The contents from the four sampled USTs were reportedly pumped out and disposed of off site. It is unknown if the contents of any other USTs were removed, or if any USTs were decommissioned in accordance with CT DEP requirements.

In February 1998, EPA Region I and START completed a Removal Program Preliminary Assessment/Site Investigation (PA/SI) to determine if hazards to public health or the environment were present at the INSILCO property. As part of the PA/SI, START collected the following samples: five dust samples from the dust collectors between Building A and Harbor Brook; one sample from ash inside the base of the smokestack; seven samples from dirt/debris piles east of Harbor Brook and south of Building C; two surface soil samples from west/southwest of Building C; two surface soil samples from the northeast corner of the property; two drum samples from the southwest corner of Building A; one liquid sample from the UST south of Building C; one liquid sample from the UST southeast of Building A; three solid samples from the interior of Building A; and three solid samples from the interior of Building C.

Analytical results of the dust samples indicated the presence the following substances (at maximum concentrations): copper at 448,000 ppm, iron at 232,000 ppm, zinc at 158,000 ppm, nickel at 63,600 ppm, chromium at 2,610 ppm, manganese at 2,030 ppm, silver at 558 ppm, lead at 498 ppm, barium at 171 ppm, cobalt at 83.1 ppm, cadmium at 53.2 ppm, cyanide at 41 ppm, and polychlorinated biphenyls (PCBs) (Aroclor 1260) at 19 ppm. Soil sample analyses indicated the presence of cyanide at a maximum concentration of 2.7 ppm and various metals at concentrations up to 1,400 ppm (copper). Drum sample analyses indicated the presence of bis(2-ethylhexyl)phthalate at a maximum concentration of 80 ppb and various metals at concentrations up to 3.02 ppm (manganese). Analyses of samples from the UST south of Building C and the UST southeast of Building A indicated a match for gasoline and kerosene, respectively. Analyses of the solid samples from Building A and Building C indicated the presence of up to 50% asbestos, and paint containing up to 2,970 ppm lead.

Based on the results of the PA/SI, EPA Region I has determined that a Removal Action pursuant to the National Contingency Plan (40 CFR 300.15) is necessary. The time frame for initiating the Removal Action and the detailed scope of work to be completed have not been determined. However, based on information provided by EPA Region I, it is anticipated that activities will include the removal of on-site drums, dust piles, and the mitigation of on-site ACM source areas.

2.4 Potential Source Areas

Table 3 is a summary of potential source areas at the INSILCO property that were identified based on available file information. A description and the location of each potential source area is also included. The locations of potential source areas are illustrated on Figure 2.

Table 3

International Silver Co., Factory H Potential Source Areas of Contamination

No.	Potential Source Area	Location	Description
1	2 20,000-gallon USTs	East side of Building C	Reported to be steel construction and have contained diesel fuel. Unknown installation date.
2	1 1,000-gallon UST	Southeast side of Building A	Reported to be steel construction and have contained kerosene. Unknown installation date.
3	1 10,000-gallon UST	Along Harbor Brook north of Building B	Reported to be steel construction and have contained metal finishing rinse and wastewater. Installed in 1970.
4	1 UST of unknown size	South side of Building C	Contained gasoline; unknown construction and installation date.
5	2 USTs of unknown size	Curbed areas along southeast side of Building A	Unknown construction, use, and installation date.
6	5 USTs of unknown size	Fill pipes along northeast side of Building A	Unknown construction, use, and installation date.
7	2 200-gallon ASTs	Ground floor of Building C	Reported to be steel construction. Unknown use and installation date.
8	1 1,500-gallon AST	Ground floor Building C	Reported to be concrete construction. Unknown use and installation date.
9	2 300-gallon ASTs	North and west side of ground floor of Building A	Reported to be concrete construction. Unknown use and installation date.
10	1 150,000-gallon AST (Water tower)	South of Building C	Reported to be steel construction. Unknown installation date.
11	11 55-gallon drums	Throughout property	HRP observed four empty drums, and seven partially-filled drums containing unidentified wastes.
12	Discharge pipes	East of Building A along Harbor Brook	Pipes formerly discharged wastewater from Building A to Harbor Brook.
13	Dry well	Southeast of Building B	Unknown materials may have disposed of via the dry well.
14	Dust piles	East of Building A under dust collectors	Piles of dust generated from facility's former silver polishing dust collection system.

Table 3

International Silver Co., Factory H
Potential Source Areas of Contamination (concluded)

No.	Potential Source Area	Location	Description
15	Debris piles	East of Harbor Brook and southwest corner of property	Several piles of earthen material, scrap, and debris.
16	Debris pile	Southwest side of Building A	Pile of medical glass slides near the building dock of Building A.
17	Contaminated soil	Northeast corner of property in vicinity of former Building D	Approximately 5,600 ft ² of chlorinated solvent contaminated soil (to a depth of at least 15 ft below ground surface).
18	Contaminated soil	Area adjacent to Building C	15 ft ² of fuel oil stained soil.
19	Contaminated soil	Under dust piles east of Building A.	1,600 ft ² of green stained soils contaminated with metals from overlying dust piles.
20	Contaminated wood floor	South end of Building A	30 ft ² of oil stained wooden floor.
21	Stained concrete	North end of Building A	40 ft ² of stained concrete floor.
22	Debris pile	Adjacent to smoke stack south of Building C	10 ft ² of deteriorated insulation material, possibly asbestos-containing material.
23	Stained soil	East of Building A	10 ft ² of paint stains.
24	Possible UST	West side of former Building D	Possible UST identified by ICF Kaiser Engineers
25*	Contaminated groundwater	Throughout property	Groundwater contaminated with chlorinated solvents have been documented.
26*	Contaminated surface water and sediments	Harbor Brook	Process wastewater is known to have been discharged to Harbor Brook
27*	Asbestos containing materials	Throughout building interiors	Asbestos-containing pipe insulation, floor tiles and roof shingles have been identified in on-site buildings.
28*	Lead paint	Throughout building interiors	Peeling paint noted in on-site buildings.
29*	Fluorescent light ballasts	Throughout building interiors	Fluorescent light ballasts may contain hazardous metals and PCBs.

UST = Underground storage tank.
 AST = Aboveground storage tank.
 ft² = Square feet.
 PCBs = Polychlorinated biphenyls.

*These source areas are not depicted in Figure 2 due to lack of specific information, or the ubiquitous nature of the contamination (i.e. contaminated groundwater).

3.0 BROWNFIELDS SITE ASSESSMENT SAMPLING ACTIVITIES

From 24 August to 1 September 1998 and 23 to 24 September 1998, START personnel conducted environmental sampling at the INSILCO property. Activities included conducting a soil gas survey; installing and developing four shallow and three deep monitoring wells; sampling surface and subsurface soils; sampling and surveying the newly installed and existing monitoring wells; sampling sediment and surface water within Harbor Brook; and collecting wipe samples from a retaining wall along Harbor Brook. A photo documentation log detailing site conditions is presented in Appendix C

The field investigation was performed in accordance with the procedures set forth in the Generic Brownfields Site Assessment Quality Assurance Project Plan (QAPP), dated 23 July 1997, and the site-specific QAPP/FTWP, dated 18 August 1998, as verbally approved by EPA. Sample locations and analytical parameters were designed to focus on known or potential source areas in an attempt to characterize contaminant distribution with respect to the CT DEP RSR. Figure 3 depicts the START sampling locations.

3.1 Soil Gas Survey

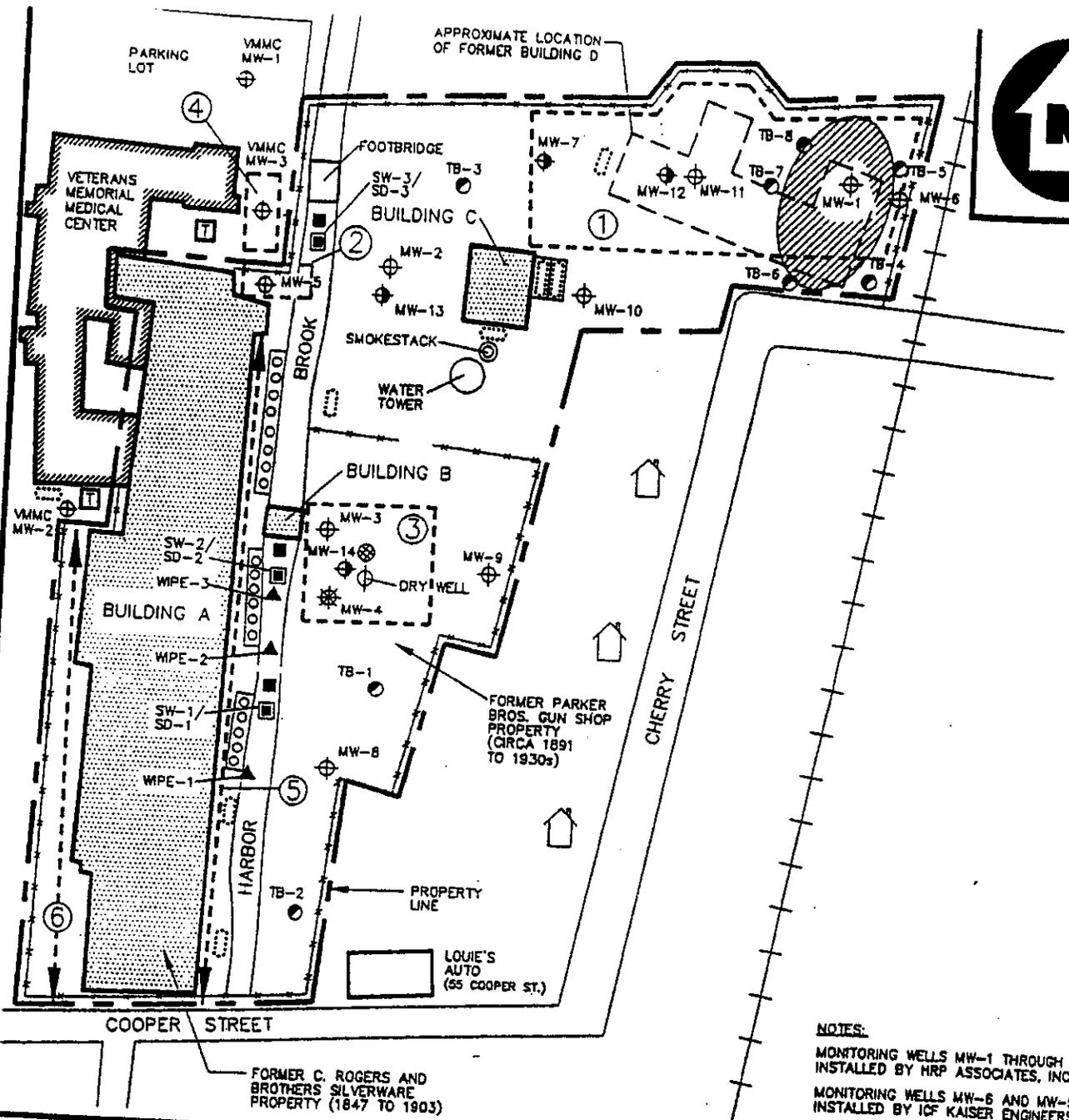
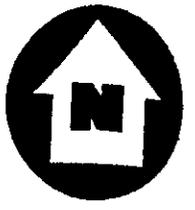
From 24 to 27 August 1998, START performed a soil gas survey in five Areas of Concern (AOCs) on the property (AOC Nos. 1, 2, 3, 5, and 6 as depicted on Figure 3). AOC No. 4 was not evaluated as it was determined to be located off site. In AOC Nos. 1, 2, and 3, the soil gas survey was conducted using a Geoprobe™ system to collect samples along a 25-foot grid (as depicted on Figure 4). Soil gas samples were collected at the nodes of the grid from a depth of approximately 3 feet, and submitted for VOC field screening analysis using a portable gas chromatograph (GC) equipped with a PID (GC-PID).

Access to the two remaining AOCs (AOC-5 and AOC-6) was not possible with the Geoprobe system. As a result, soil gas sampling was conducted manually to a depth of approximately 3 feet at 50-foot grid intervals in these two AOCs (as depicted on Figure 5).

Non-dedicated, decontaminated soil gas probes were used. Soil gas sampling equipment were decontaminated between locations. Soil gas samples were collected into 1 liter Tedlar™ bags using an air sampling pump (i.e., Gilian™ pump). The pumping rate was recorded at each location as an indication of the permeability of the subsurface material.

All soil gas samples were analyzed on site using a GC-PID within 24 hours of collection. The GC-PID analyzed for the following compounds: 1,1-dichloroethylene, trans-1,2-dichloroethylene, benzene, TCE, toluene, PCE, chlorobenzene, ethylbenzene, and xylenes. No samples for off-site laboratory analysis were collected.

Soil gas sampling results are presented in Table 4. Sample locations are denoted as AOC No. plus grid coordinates (e.g., 1+B50). If a substance was detected in a sample, its concentration was listed for that sample. If a substance was not detected in a sample, it was not listed. The results presented in Table 4 are compared against CT DEP RSR standards. Analytical results are presented in Appendix D.



NOTES:
 MONITORING WELLS MW-1 THROUGH MW-5
 INSTALLED BY HRP ASSOCIATES, INC.
 MONITORING WELLS MW-6 AND MW-5
 INSTALLED BY ICF KAISER ENGINEERS, INC.
 NOT TO SCALE

LEGEND

- ☼ DESTROYED OVERBURDEN MONITORING WELL
- ⊕ SHALLOW OVERBURDEN MONITORING WELL
- ⊕ DEEP OVERBURDEN MONITORING WELL
- ⊙ CATCHBASIN
- ⊕ RAILROAD TRACKS
- ⊕ FENCE
- ⊕ DUST COLLECTOR AREA (DUST PILES)
- ⊕ ESTIMATED AREA OF SOIL CONTAMINATION
- ⊕ UNDERGROUND STORAGE TANK (UST)
- ⊕ START SEDIMENT AND SURFACE WATER SAMPLING LOCATION
- ▲ START RETAINING WALL WIPE SAMPLE LOCATION
- ⊕ SOIL GAS SURVEY AREAS
- ⊕ TRANSFORMER
- HRP SEDIMENT SAMPLE LOCATION
- ⊕ HRP SOIL BORING LOCATION
- ⊕ RESIDENCE

SAMPLE LOCATION PLAN
 INTERNATIONAL SILVER CO.
 FACTORY H
 COOPER STREET
 MERIDEN, CONNECTICUT



REGION I SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM

TDD # 98-05-0098	DRAWN BY: W. SHAW	DATE 7/10/97
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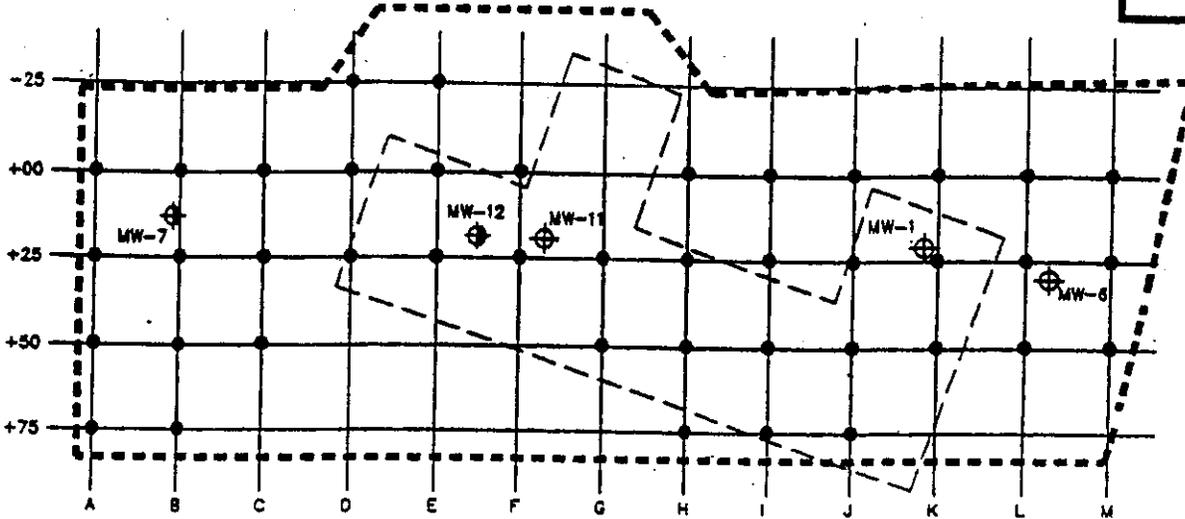
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FIGURE 3

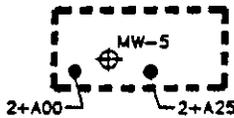


AREA OF CONCERN NO. 1

NOTE: SAMPLE POINTS DENOTED AS (1+C50), FOR EXAMPLE.

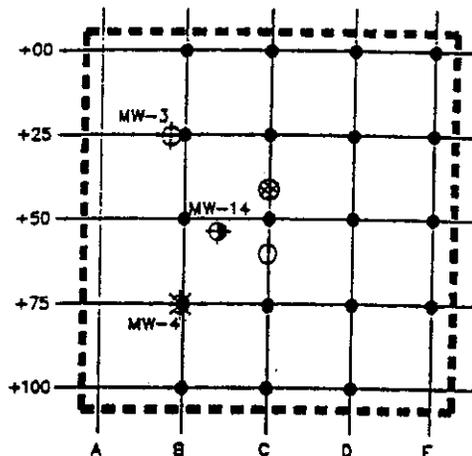


AREA OF CONCERN NO. 2



AREA OF CONCERN NO. 3

NOTE: SAMPLE POINTS DENOTED AS (3+C50), FOR EXAMPLE.



NOTES:

GRID POINTS WITHOUT A SOIL GAS SAMPLING POINT SHOWN WERE NOT COLLECTED.

NOT TO SCALE

LEGEND

⊕ SHALLOW OVERBURDEN MONITORING WELL

⊗ DESTROYED OVERBURDEN MONITORING WELL

⊙ CATCHBASIN

⊖ DEEP OVERBURDEN MONITORING WELL

⊘ DRY WELL

● SOIL GAS SAMPLE LOCATION

⊕ SOIL GAS SURVEY AREAS

SOIL GAS SAMPLE LOCATION PLAN

AREA OF CONCERN NOS. 1 - 3

INTERNATIONAL SILVER CO.
FACTORY H
COOPER STREET
MERIDEN, CONNECTICUT



REGION 1 SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM

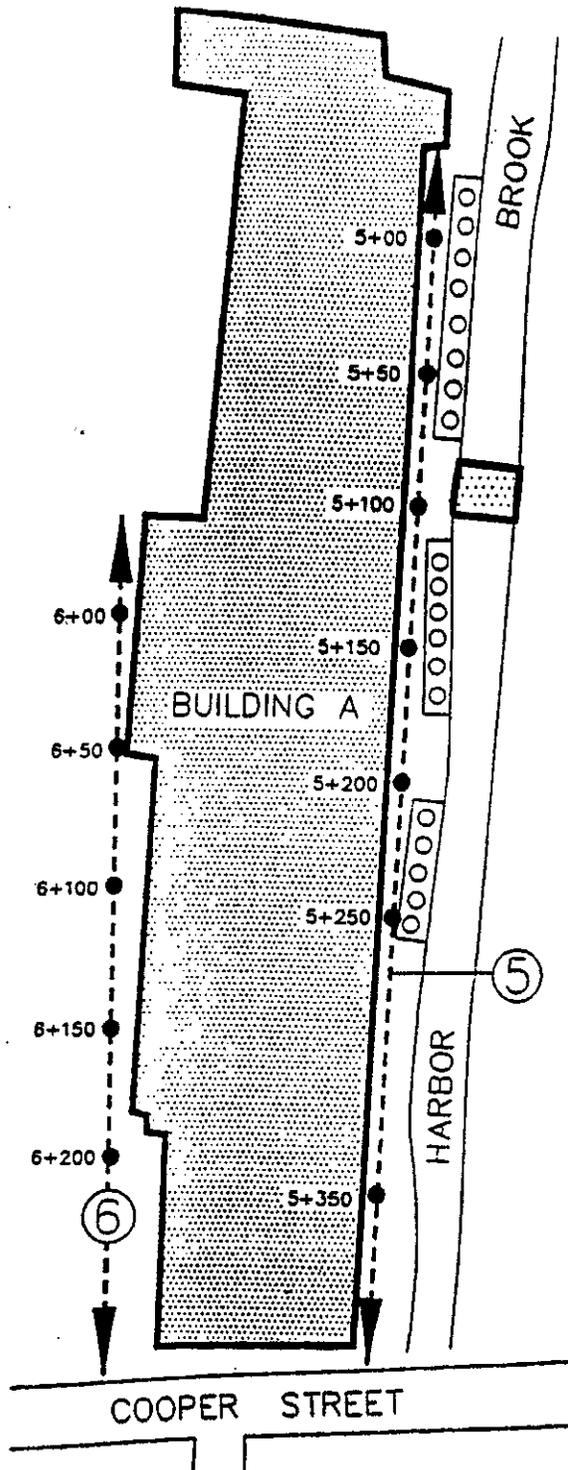
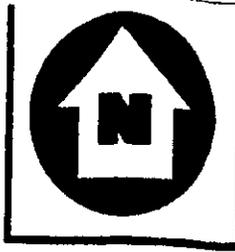
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FIGURE 4



NOT TO SCALE

LEGEND

 DUST COLLECTOR AREA (DUST PILES)

 SOIL GAS SURVEY AREAS

 SOIL GAS SAMPLE LOCATION

SOIL GAS SAMPLE LOCATION PLAN
AREA OF CONCERN NOS. 5 AND 6
 INTERNATIONAL SILVER CO.
 FACTORY H
 COOPER STREET
 MERIDEN, CONNECTICUT



MANAGERS DESIGNERS/CONSULTANTS
REGION 1 SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM

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98-05-0098

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W. SHAW

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7/10/97

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FIGURE 5

Table 4

International Silver Co., Factory H
START Soil Gas Sample Results
Samples Collected 24 to 27 August 1998

Sample Location	Date/Time	Substance	Concentration (ppb)	R-SV (ppb)	I/C-SV (ppb)	Pump Rate (L/min)
3+B25	8/24/98 1530 hrs	Benzene	83	1,000	113,000	5.0
		Toluene	820	760,000	2,615,000	
		m- & p-Xylene	13	500,000	1,702,000	
		o-Xylene	11	500,000	1,702,000	
3+B50	8/24/98 1545 hrs	Toluene	26	760,000	2,615,000	5.0
		m- & p-Xylene	14	500,000	1,702,000	
3+B75	8/24/98 1600 hrs	Toluene	47	760,000	2,615,000	5.0
		o-Xylene	-10	500,000	1,702,000	
3+B100	8/24/98 1555 hrs	Benzene	65	1,000	113,000	5.0
		Toluene	54	760,000	2,615,000	
3+C25	8/24/98 1345 hrs	Toluene	1,500	760,000	2,615,000	2.5
		m- & p-Xylene	13	500,000	1,702,000	
		o-Xylene	12	500,000	1,702,000	
3+C50	8/24/98 1350 hrs	Benzene	18	1,000	113,000	2.5
		Toluene	130	760,000	2,615,000	
3+C75	8/24/98 1300 hrs	Benzene	23	1,000	113,000	2.0
3+C100	8/24/98 1232 hrs	Benzene	83	1,000	113,000	5.0
3+D00	8/24/98 1408 hrs	m- & p-Xylene	46	500,000	1,702,000	2.0
		o-Xylene	14	500,000	1,702,000	
3+D50	8/24/98 1455 hrs	Toluene	28	760,000	2,615,000	2.5
		m- & p-Xylene	12	500,000	1,702,000	
3+D75	8/24/98 1445 hrs	Toluene	56	760,000	2,615,000	1.5
		m- & p-Xylene	77	500,000	1,702,000	
		o-Xylene	14	500,000	1,702,000	
3+D100	8/24/98 1210 hrs	m- & p-Xylene	15	500,000	1,702,000	5.0
		o-Xylene	13	500,000	1,702,000	
1+A00	8/25/98 1015 hrs	Trichloroethylene	2,500	7,000	16,000	5.0
1+A50	8/25/98 1526 hrs	Trichloroethylene	6,400	7,000	16,000	5.0
1+A75	8/25/98 1533 hrs	Benzene	240	1,000	113,000	5.0
		Toluene	120	760,000	2,615,000	
		o-Xylene	390	500,000	1,702,000	
1+B00	8/25/98 1020 hrs	Trichloroethylene	2,800	7,000	16,000	5.0
1+B25	8/25/98 1546 hrs	Trichloroethylene	<u>2,000</u>	7,000	16,000	5.0

Table 4

International Silver Co., Factory H
START Soil Gas Sample Results
Samples Collected 24 to 27 August 1998 (continued)

Sample Location	Date/Time	Substance	Concentration (ppb)	R-SV (ppb)	I/C-SV (ppb)	Pump Rate (L/min)
1+B50	8/25/98 1543 hrs	Trichloroethylene Tetrachloroethylene	<u>18,000</u> J <u>11,000</u> J	7,000 11,000	16,000 27,000	5.0
1+B75	8/25/98 1536 hrs	Trichloroethylene	<u>7,200</u>	7,000	16,000	5.0
1+C00	8/25/98 0930 hrs	Trichloroethylene Tetrachloroethylene	<u>22,000</u> <u>11,000</u>	7,000 11,000	16,000 27,000	5.0
1+C25	8/25/98 1616 hrs	Trichloroethylene Tetrachloroethylene	<u>8,100</u> J 2,500	7,000 11,000	16,000 27,000	5.0
1+C50	8/25/98 1605 hrs	Trichloroethylene	2,200	7,000	16,000	5.0
1+D00	8/25/98 0908 hrs	Trichloroethylene Tetrachloroethylene	<u>15,000</u> <u>18,000</u>	7,000 11,000	16,000 27,000	5.0
1+E00	8/25/98 0903 hrs	Tetrachloroethylene	4,500	11,000	27,000	5.0
1+E25	8/25/98 1200 hrs	Tetrachloroethylene	2,100	11,000	27,000	5.0
1+F00	8/25/98 0833 hrs	m- & p-Xylene	15	500,000	1,702,000	5.0
1+F25	8/25/98 1250 hrs	Tetrachloroethylene	1,900	11,000	27,000	5.0
1+G25	8/25/98 1235 hrs	Tetrachloroethylene	2,300	11,000	27,000	5.0
1+G50	8/25/98 1451 hrs	Tetrachloroethylene	1,100	11,000	27,000	5.0
1+H50	8/25/98 1413 hrs	Trichloroethylene Tetrachloroethylene	<u>7,000</u> 4,000	7,000 11,000	16,000 27,000	5.0
1+I00	8/25/98 0824 hrs	Trichloroethylene Tetrachloroethylene	<u>28,000</u> J <u>20,000</u>	7,000 11,000	16,000 27,000	5.0
1+I25	8/25/98 1318 hrs	Trichloroethylene Tetrachloroethylene	<u>10,000</u> 9,000	7,000 11,000	16,000 27,000	5.0
1+I50	8/25/98 1430 hrs	Trichloroethylene Tetrachloroethylene	4,900 5,400	7,000 11,000	16,000 27,000	5.0
1+J00	8/25/98 0905 hrs	Trichloroethylene Tetrachloroethylene	3,600 J 1,800	7,000 11,000	16,000 27,000	5.0
1+J25	8/25/98 1046 hrs	Trichloroethylene Tetrachloroethylene	<u>34,000</u> J 7,300 J	7,000 11,000	16,000 27,000	5.0
1+J50	8/25/98 1050 hrs	Trichloroethylene Tetrachloroethylene	<u>8,300</u> 1,800	7,000 11,000	16,000 27,000	5.0
1+K00	8/26/98 1020 hrs	Trichloroethylene	3,600	7,000	16,000	5.0

Table 4

International Silver Co., Factory H
START Soil Gas Sample Results
Samples Collected 24 to 27 August 1998 (concluded)

Sample Location	Date/Time	Substance	Concentration (ppb)	R-SV (ppb)	I/C-SV (ppb)	Pump Rate (L/min)
1+K25	8/26/98 1035 hrs	Trichloroethylene	4,800	7,000	16,000	5.0
1+K50	8/26/98 1045 hrs	Trichloroethylene Tetrachloroethylene	4,700 1,800	7,000 11,000	16,000 27,000	5.0
1+D-25	8/27/98 0755 hrs	Trichloroethylene Tetrachloroethylene	<u>17,000</u> <u>6,700</u>	7,000 11,000	16,000 27,000	5.0
1+E-25	8/27/98 0800 hrs	Trichloroethylene Tetrachloroethylene	4,000 1,400	7,000 11,000	16,000 27,000	5.0

hrs = hours
 J = Estimated value.
 ppb = Parts per billion.
 R-SV = CT DEP Residential Soil Vapor Criteria.
 I/C-SV = CT DEP Industrial/Commercial Soil Vapor Criteria.
 L/min = Liters per minute.

Underlined, italicized, and bolded concentrations indicate an exceedance of CT DEP RSR standards.

Exceedances of CT DEP RSR standards were noted in samples collected from throughout AOC No. 1, which is consistent with previous soil and groundwater sampling data. The presence of VOCs in samples collected from the northern extent of AOC No. 1 indicates that contamination may extend off site. No exceedances were noted in soil gas samples collected from the other AOCs.

3.2 Soil Boring Sampling and Installation of Monitoring Wells

From 24 August to 1 September 1998, four shallow overburden monitoring wells (MW-8 through MW-11) and three deep overburden monitoring wells (MW-12 through MW-14) were installed on the property. During well installation activities, soil borings were advanced and split spoon samples were collected at 5-foot intervals and screened for VOCs with a flame ionization detector (FID). The interval advanced at the surface (i.e., 0-2 feet) was sampled for off-site laboratory analysis. A second analytical sample was collected from either the interval collected from 5-7 feet or 10-12 feet, based on visual and FID observations. Split spoon samples collected from a depth of 15 feet and greater were screened and inspected for the main purpose of recording the subsurface lithology. Soils from each sampling interval are described on boring logs. Boring logs are included as Appendix E.

Fifteen soil samples, including a duplicate sample, were collected from the seven soil borings. The soil samples were analyzed for total and synthetic precipitation leaching procedure (SPLP) priority pollutant 13 (PP13) metals and cyanide, PCBs, VOCs, and total petroleum hydrocarbons (TPH). An equipment rinsate blank for all of the above parameters and three trip blanks for VOCs

were also submitted for laboratory analysis. Table 5 summarizes the sample locations and the submitted analyses. The sample locations are depicted on Figure 3.

Table 5

Soil Sample Summary: International Silver Co., Factory H
Soil Samples Collected by START from 24 August to 1 September 1998

Sample Location	Date/ Time (hrs)	Description	Analyses
MATRIX: Soil			
MW-8-2	8/24/98 1344	Split spoon grab soil sample. Depth = 0 to 2 feet. FID = 0.	VOCs, PCBs, total and SPLP PP13 metals and cyanide, TPH
MW-8-7	8/24/98 1413	Split spoon grab soil sample. Depth = 5 to 7 feet. FID = 0.	VOCs, PCBs, total and SPLP PP13 metals and cyanide, TPH
MW-9-2	8/25/98 0810	Split spoon grab soil sample. Depth = 0 to 2 feet. FID = 0.	VOCs, PCBs, total and SPLP PP13 metals and cyanide, TPH
MW-9-7	8/25/98 0820	Split spoon grab soil sample. Depth = 5 to 7 feet. FID = 0.	VOCs, PCBs, total and SPLP PP13 metals and cyanide, TPH
MW-10-2.5	8/25/98 0950	Split spoon grab soil sample. Depth = 0.5 to 2.5 feet. FID = 0.	VOCs, PCBs, total and SPLP PP13 metals and cyanide, TPH
MW-10-12	8/25/98 1015	Split spoon grab soil sample. Depth = 10 to 12 feet. FID = 3.2. Black hydrocarbon staining noted.	VOCs, PCBs, total and SPLP PP13 metals and cyanide, TPH
MW-11-2	8/25/98 1240	Split spoon grab soil sample. Depth = 0 to 2 feet. FID = 1.5.	VOCs, PCBs, total and SPLP PP13 metals and cyanide, TPH
MW-11-7	8/25/98 1250	Split spoon grab soil sample. Depth = 5 to 7 feet. FID = 0.	VOCs, PCBs, total and SPLP PP13 metals and cyanide, TPH
MW-12-2	8/25/98 1550	Split spoon grab soil sample. Depth = 0 to 2 feet. FID = 0.	VOCs, PCBs, total and SPLP PP13 metals and cyanide, TPH
MW-12-11	8/25/98 1700	Split spoon grab soil sample. Depth = 9 to 11 feet. FID = 0.	VOCs, PCBs, total and SPLP PP13 metals and cyanide, TPH
MW-13-2	8/27/98 1250	Split spoon grab soil sample. Depth = 0 to 2 feet. FID = 0.	VOCs, PCBs, total and SPLP PP13 metals and cyanide, TPH
MW-31-2 Dup. of MW-13-2	8/27/98 1255	Split spoon grab soil sample. Depth = 0 to 2 feet. FID = 0.	VOCs, PCBs, total and SPLP PP13 metals and cyanide, TPH
MW-13-7	8/27/98 1330	Split spoon grab soil sample. Depth = 5 to 7 feet. FID = 1.5.	VOCs, PCBs, total and SPLP PP13 metals and cyanide, TPH
MW-14-2	9/1/98 0930	Split spoon grab soil sample. Depth = 0 to 2 feet. FID = 0.	VOCs, PCBs, total and SPLP PP13 metals and cyanide, TPH
MW-14-7	9/1/98 0950	Split spoon grab soil sample. Depth = 5 to 7 feet. FID = 1.5.	VOCs, PCBs, total and SPLP PP13 metals and cyanide, TPH

Table 5

**Soil Sample Summary: International Silver Co., Factory H
Soil Samples Collected by START from 24 August to 1 September 1998
(concluded)**

Sample Location	Date/ Time (hrs)	Description	Analyses
MATRIX: Aqueous (Quality Control)			
TB-01	8/24/98 1100	Accompanied samples MW-8-2, MW-8-7, MW-9-2, MW-9-7, MW-10-2.5, MW-10-12, MW-11-2, and MW-11-7.	VOCs
TB-02	8/25/98 1400	Accompanied samples MW-12-2, MW-12-11, MW-13-2, MW-31-2, and MW-13-7.	VOCs
TB-03	9/1/98 1000	Accompanied samples MW-14-2 and MW-14-7.	VOCs
RB-01	8/27/98 1000	Soil sample equipment rinsate blank, collected for quality control.	VOCs, PCBs, total PP13 metals, total cyanide, TPH

- hrs = hours
- FID = Flame ionization detector.
- VOCs = Volatile organic compounds by EPA Method 8260B.
- PCBs = Polychlorinated biphenyls by EPA Method 8082.
- SPLP = Synthetic precipitation leaching procedure by EPA Method 1312.
- PP13 metals = Priority pollutant 13 metals (antimony, arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver, thallium, and zinc) by EPA Method 3050B or 3010A/6010B and 7471A.
- TPH = Total petroleum hydrocarbons by EPA Method 418.1.
- Cyanide = Cyanide by EPA Method 9010B.

During START soil sampling activities, soil were screened with an FID. Elevated FID readings ranging from 1.5 to 3.2 units above background were observed in soil borings MW-10, MW-11, MW-13, and MW-14. A petroleum odor and stained soils were observed in soil boring MW-10 at a depth of approximately 10 feet below ground surface (bgs).

Soil sampling results are presented in Table 6. If a substance was detected in a sample, its concentration was listed for that sample. If a substance was not detected in a sample, it was not listed. The results presented in Table 6 are compared against CT DEP RSR standards. Complete analytical results are presented in Appendix F.

Table 6

International Silver Co., Factory H
 START Soil Sample Results
 Samples Collected 24 August to 1 September 1998

Sample ID	Contaminant and Concentration (ppm)		R-DEC (ppm)	I/C-DEC (ppm)	PMC-GB (ppm)	
	Total*	SPLP*				
MW-8-2	Antimony	ND	0.015	27	8,200	0.06
	Arsenic	3.5	ND	10	10	0.5
	Beryllium	0.43	ND	2	2	0.04
	Cadmium	0.42	ND	34	1,000	0.05
	Chromium	12.8	ND	NE	NE	0.5
	Copper	172.0	0.027	2,500	76,000	13
	Lead	106.0	0.012	500	1,000	0.15
	Mercury	0.24	ND	20	610	0.02
	Nickel	32.0	ND	1,400	7,500	1
	Silver	2.8	ND	340	10,000	0.5
	Thallium	3.2	ND	5.4	160	0.05
	Zinc	150.0	ND	20,000	610,000	50
	TPH	73.8		500	2,500	2,500
MW-8-7	Arsenic	2.0	ND	10	10	0.5
	Chromium	13.9	ND	NE	NE	0.5
	Copper	15.2	ND	2,500	76,000	13
	Lead	49.9	ND	500	1,000	0.15
	Nickel	9.0	ND	1,400	7,500	1
	Thallium	1.3	ND	5.4	160	0.05
	Zinc	38.1	ND	20,000	610,000	50
MW-9-2	Antimony	2.9	ND	27	8,200	0.06
	Arsenic	4.0	ND	10	10	0.5
	Chromium	11.3	ND	NE	NE	0.5
	Copper	233.0	0.099	2,500	76,000	13
	Lead	121.0	ND	500	1,000	0.15
	Mercury	0.51	ND	20	610	0.02
	Nickel	44.2	ND	1,400	7,500	1
	Silver	14.7	ND	340	10,000	0.5
	Thallium	3.0	ND	5.4	160	0.05
	Zinc	140.0	ND	20,000	610,000	50
	Methylene chloride	0.0336		82	760	1
	TPH	<u>2,340</u>		500	2,500	2,500
MW-9-7	Beryllium	0.48	ND	2	2	0.04
	Chromium	19.8	ND	NE	NE	0.5
	Copper	12.6	ND	2,500	76,000	13
	Lead	8.9	ND	500	1,000	0.15
	Nickel	9.7	ND	1,400	7,500	1
	Thallium	1.4	ND	5.4	160	0.05
	Zinc	44.1	ND	20,000	610,000	50

Table 6

International Silver Co., Factory H
START Soil Sample Results
 Samples Collected 24 August to 1 September 1998 (continued)

Sample ID	Contaminant and Concentration (ppm)		R-DEC (ppm)	I/C-DEC (ppm)	PMC-GB (ppm)	
	Total*	SPLP*				
MW-10-2.5	Arsenic	4.2	ND	10	10	0.5
	Beryllium	0.52	ND	2	2	0.04
	Chromium	26.9	ND	NE	NE	0.5
	Copper	108.0	0.034	2,500	76,000	13
	Lead	32.2	0.011	500	1,000	0.15
	Nickel	18.2	ND	1,400	7,500	1
	Silver	2.3	ND	340	10,000	0.36
	Thallium	4.1	ND	5.4	160	0.05
	Zinc	75.2	ND	20,000	610,000	50
	TPH	159		500	2,500	2,500
	MW-10-12	Chromium	7.2	ND	NE	NE
Copper		12.2	ND	2,500	76,000	13
Lead		5.3	ND	500	1,000	0.15
Nickel		6.0	ND	1,400	7,500	1
Thallium		1.1	ND	5.4	160	0.05
Zinc		20.3	ND	20,000	610,000	50
TPH		442		500	2,500	2,500
MW-11-2	Arsenic	3.3	ND	10	10	0.5
	Chromium	8.9	ND	NE	NE	0.5
	Copper	266.0	ND	2,500	76,000	13
	Lead	50.8	ND	500	1,000	0.15
	Mercury	0.18	ND	20	610	0.02
	Nickel	26.1	ND	1,400	7,500	1
	Selenium	2.0	ND	340	10,000	0.5
	Silver	1.1	ND	340	10,000	0.36
	Thallium	<u>13.8</u>	ND	5.4	160	0.05
	Zinc	254.0	ND	20,000	610,000	50
	Tetrachloroethylene	0.0376		12	110	1
	Trichloroethylene	0.0045		56	520	1
	TPH	78.7		500	2,500	2,500
MW-11-7	Arsenic	1.6	ND	10	10	0.5
	Beryllium	0.74	ND	2	2	0.04
	Chromium	40.9	ND	NE	NE	0.5
	Copper	18.7	ND	2,500	76,000	13
	Lead	12.8	ND	500	1,000	0.15
	Nickel	41.0	ND	1,400	7,500	1
	Thallium	1.7	ND	5.4	160	0.05
	Zinc	81.4	ND	20,000	610,000	50
	cis-1,2-Dichloroethylene	0.0064		500	1,000	14

Table 6

International Silver Co., Factory H
 START Soil Sample Results
 Samples Collected 24 August to 1 September 1998 (continued)

Sample ID	Contaminant and Concentration (ppm)		R-DEC (ppm)	I/C-DEC (ppm)	PMC-GB (ppm)	
	Total*	SPLP*				
MW-12-2	Arsenic	2.3	ND	10	10	0.5
	Chromium	6.2	ND	NE	NE	0.5
	Copper	133	ND	2,500	76,000	13
	Lead	150	ND	500	1,000	0.15
	Nickel	24.9	ND	1,400	7,500	1
	Silver	4.2	ND	340	10,000	0.36
	Thallium	6.5	ND	5.4	160	0.05
	Zinc	110	ND	20,000	610,000	50
	Methylene chloride	0.0074		82	760	1
	Tetrachloroethylene	0.0471		12	110	1
	Trichloroethylene	0.0064		56	120	1
	Aroclor 1254 (PCB)	0.0575		1	10	0.005
	TPH	4,210		500	2,500	2,500
	MW-12-11	Arsenic	4.1	ND	10	10
Beryllium		0.49	ND	2	2	0.04
Chromium		15.9	ND	NE	NE	0.5
Copper		22.0	ND	2,500	76,000	13
Lead		9.1	ND	500	1,000	0.15
Nickel		16.0	ND	1,400	7,500	1
Thallium		4.4	ND	5.4	160	0.05
Zinc		39.8	0.040	20,000	610,000	50
cis-1,2-Dichloroethylene		0.0744		500	1,000	14
Tetrachloroethylene		0.0045		12	110	1
Trichloroethylene		0.0044		56	520	1
MW-13-2	Antimony	1.9	ND	27	8,200	0.06
	Arsenic	5.1	ND	10	10	0.5
	Chromium	114	ND	NE	NE	0.5
	Copper	522	0.058	2,500	76,000	13
	Lead	211	0.020	500	1,000	0.15
	Mercury	0.89	ND	20	610	0.02
	Nickel	38.5	ND	1,400	7,500	1
	Silver	16.8	ND	340	10,000	0.36
	Thallium	4.1	ND	5.4	160	0.05
	Zinc	272	0.067	20,000	610,000	50
	TPH	531		500	2,500	2,500

Table 6

International Silver Co., Factory H
 START Soil Sample Results
 Samples Collected 24 August to 1 September 1998 (continued)

Sample ID	Contaminant and Concentration (ppm)		R-DEC (ppm)	I/C-DEC (ppm)	PMC-GB (ppm)	
	Total*	SPLP*				
MW-31-2 (dup. of MW-13-2)	Antimony	1.4	ND	27	8,200	0.06
	Arsenic	4.2	ND	10	10	0.5
	Chromium	73.6	ND	NE	NE	0.5
	Copper	522	0.11	2,500	76,000	13
	Lead	367	0.024	500	1,000	0.15
	Mercury	0.56	ND	20	610	0.02
	Nickel	33.7	ND	1,400	7,500	1
	Silver	17.4	ND	340	10,000	0.36
	Thallium	2.8	ND	5.4	160	0.05
	Zinc	295	0.065	20,000	610,000	50
	Methylene chloride	0.0159		82	760	1
	TPH	854		500	2,500	2,500
	MW-13-7	Arsenic	2.4	ND	10	10
Beryllium		0.90	ND	2	2	0.04
Chromium		36.7	ND	NE	NE	0.5
Copper		58.0	ND	2,500	76,000	13
Lead		22.8	ND	500	1,000	0.15
Nickel		28.1	ND	1,400	7,500	1
Thallium		2.4	ND	5.4	160	0.05
Zinc		129	0.057	20,000	610,000	50
Acetone		0.0592		500	1,000	140
TPH		63.5		500	2,500	2,500
MW-14-2		Antimony	ND	0.012	27	8,200
	Arsenic	3.6	0.012	10	10	0.5
	Chromium	20.6	ND	NE	NE	0.5
	Copper	140	0.079	2,500	76,000	13
	Lead	73.1	0.041	500	1,000	0.15
	Mercury	0.27	ND	20	610	0.02
	Nickel	24.1	ND	1,400	7,500	1.0
	Silver	3.6	ND	340	10,000	0.36
	Thallium	3.0	ND	5.4	160	0.05
	Zinc	91.4	0.088	20,000	610,000	50
	Acetone	0.043		500	1,000	140
	Trichloroethylene	0.0025		56	520	1
	TPH	279		500	2,500	2,500

Table 6

International Silver Co., Factory H
 START Soil Sample Results
 Samples Collected 24 August to 1 September 1998 (concluded)

Sample ID	Contaminant and Concentration (ppm)		R-DEC (ppm)	I/C-DEC (ppm)	PMC-GB (ppm)	
	Total*	SPLP*				
MW-14-7	Antimony	1.9	ND	27	8,200	0.06
	Arsenic	4.8	ND	10	10	0.5
	Beryllium	0.47	ND	2	2	0.04
	Chromium	22.8	ND	NE	NE	0.5
	Copper	91.3	0.033	2,500	76,000	13
	Lead	88.9	0.033	500	1,000	0.15
	Mercury	0.29	ND	20	610	0.02
	Nickel	12.8	ND	1,400	7,500	1
	Selenium	1.1	ND	340	10,000	0.5
	Silver	1.6	ND	340	10,000	0.36
	Thallium	2.7	ND	5.4	160	0.05
	Zinc	88.5	0.064	20,000	610,000	50
	Acetone	0.246		500	1,000	140

- SPLP = Synthetic precipitation leaching procedure.
 PCBs = Polychlorinated biphenyls.
 TPH = Total petroleum hydrocarbons.
 NE = Not Established.
 ppm = Parts per million.
 R-DEC = CT DEP Residential Direct Exposure Criteria.
 I/C-DEC = CT DEP Industrial/Commercial Direct Exposure Criteria.
 PMC-GB = CT DEP Pollutant Mobility Criteria for GB classified areas.
 ND = Not detected.
 * = Total metals and cyanide analysis are used for comparison with CT DEP DEC standards. SPLP metals and cyanide analyses are used for comparison with CT DEP PMC standards. Other parameters (i.e., total VOCs, PCBs, and TPH) can be used for comparison with both CT DEP DEC and CT DEP PMC standards.

Note: All substances detected are listed in the above table. Soil samples were analyzed for total and SPLP PP13 metals, total and SPLP cyanide, PCBs, VOCs, and TPH.

Underlined, italicized, and bolded concentrations indicate an exceedance of CT DEP RSR standards.

Exceedances of CT DEP RSR standards were noted in samples MW-9-2, MW-11-2, MW-12-2, and MW-13-2, which were all collected from an interval of 0 to 2 feet bgs. No exceedances were noted in subsurface samples collected from greater than 2 feet bgs. If future redevelopment plans do not call for a residential use, then the CT DEP RES-DEC standards would not apply, and only samples MW-12-2 and MW-13-2 would exhibit exceedances of CT DEP RSR standards.

3.3 Groundwater Sampling

On 23 and 24 September 1998, START sampled 13 on-site monitoring wells (MW-1 through MW-3 and MW-5 through MW-14) to evaluate the current groundwater conditions. Monitoring well MW-4 was not found and is presumed to have been destroyed. Samples were submitted for VOCs, dissolved PP13 metals, and total cyanide analyses. Samples for dissolved PP13 metals were field filtered using disposable 0.45-micron filters.

Each well was sampled using low-flow sampling techniques. Groundwater samples were collected utilizing dedicated disposable sampling equipment. A total of 14 samples were collected, including a duplicate sample from monitoring well MW-1. A trip blank for VOCs was also submitted for laboratory analysis. Table 7 summarizes the sample locations and the submitted analyses. The groundwater sampling locations are depicted on Figure 3.

Table 7

**Groundwater Sample Summary: International Silver Co., Factory H
Groundwater Samples Collected by START on 23 and 24 September 1998**

Sample Location (Traffic Report No.)	Date/ Time (hrs)	Description	Analyses
MATRIX: Groundwater			
MW-1 (DAF45B)	9/23/98 1320	Grab groundwater sample. Sample for dissolved metals was field filtered.	VOCs, dissolved PP13 metals, total cyanide
MW-2 (DAF46B)	9/23/98 1745	Grab groundwater sample. Sample for dissolved metals was field filtered.	VOCs, dissolved PP13 metals, total cyanide
MW-3 (DAF47B)	9/24/98 0925	Grab groundwater sample. Sample for dissolved metals was field filtered.	VOCs, dissolved PP13 metals, total cyanide
MW-5 (DAF48B)	9/24/98 1300	Grab groundwater sample. Sample for dissolved metals was field filtered.	VOCs, dissolved PP13 metals, total cyanide
MW-6 (DAF49B)	9/23/98 1245	Grab groundwater sample. Sample for dissolved metals was field filtered.	VOCs, dissolved PP13 metals, total cyanide
MW-7 (DAF50B)	9/23/98 1500	Grab groundwater sample. Sample for dissolved metals was field filtered.	VOCs, dissolved PP13 metals, total cyanide
MW-8 (DAF51B)	9/24/98 1050	Grab groundwater sample. Sample for dissolved metals was field filtered.	VOCs, dissolved PP13 metals, total cyanide

TABLE 1

Groundwater Sample Summary: International Silver Co., Factory H
Groundwater Samples Collected by START on 23 and 24 September 1998
 (concluded)

Sample Location (Traffic Report No.)	Date/ Time (hrs)	Description	Analyses
MW-9 (DAF52B)	9/24/98 0955	Grab groundwater sample. Sample for dissolved metals was field filtered.	VOCs, dissolved PP13 metals, total cyanide
MW-10 (DAF53B)	9/23/98 1530	Grab groundwater sample. Sample for dissolved metals was field filtered.	VOCs, dissolved PP13 metals, total cyanide
MW-11 (DAF54B)	9/23/98 1400	Grab groundwater sample. Sample for dissolved metals was field filtered.	VOCs, dissolved PP13 metals, total cyanide
MW-12 (DAF55B)	9/23/98 1600	Grab groundwater sample. Sample for dissolved metals was field filtered.	VOCs, dissolved PP13 metals, total cyanide
MW-13 (DAF56B)	9/23/98 1645	Grab groundwater sample. Sample for dissolved metals was field filtered.	VOCs, dissolved PP13 metals, total cyanide
MW-14 (DAF57B)	9/24/98 0830	Grab groundwater sample. Sample for dissolved metals was field filtered.	VOCs, dissolved PP13 metals, total cyanide
MW-15 (DAF58B)	9/23/98 1320	Duplicate of MW-1 for quality control.	VOCs, dissolved PP13 metals, total cyanide
MATRIX: Quality Control			
TB-04 (DAF44B)	9/23/98 1030	Trip blank for quality control.	VOCs

- hrs = hours
 VOCs = Volatile organic compounds by EPA Method 8260B.
 PP13 metals = Priority pollutant 13 metals (antimony, arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver, thallium, and zinc) by EPA Method 3010A/6010B and 7470A.
 Cyanide = Cyanide by EPA Method 9010B.

During START groundwater sampling activities, the headspace of each monitoring well was screened with an FID. An elevated FID reading of 30 units above background was observed in monitoring well MW-1, accompanied by a strong chemical odor. No other elevated FID reading or odors were detected by START.

Table 8 summarizes the groundwater analytical results. If a substance was detected in a sample, its concentration is listed. If a substance was not detected in any sample, it was not listed. The results presented in Table 8 are compared against CT DEP RSR standards. Analytical results are included as Appendix G.

International Silver Co., Factory H
START Groundwater Sample Results
Samples Collected on 23-24 September 1998

Well ID	Contaminant and Concentration (ppb)	I/C-GWVC (ppb)	RES-GWVC (ppb)	SWPC (ppb)
N-1	cis-1,2-Dichloroethylene	14.6	NA	NA
	trans-1,2-Dichloroethylene	3.8	NA	NA
	Vinyl Chloride	<u>21.6</u>	2	2
	Xylene	3.4	50,000	21,300
				15,750
				NA
N-2	cis-1,2-Dichloroethylene	25.1	NA	NA
	Tetrachloroethylene	15.1	3,820	1,500
	Trichloroethylene	69.3	540	219
				NA
				88
				2,340
N-3	cis-1,2-Dichloroethylene	30.1	NA	NA
	trans-1,2-Dichloroethylene	3.1	NA	NA
	Tetrachloroethylene	5.0	3,820	1,500
	Trichloroethylene	24.3	540	219
				NA
				NA
				88
				2,340
N-5	cis-1,2-Dichloroethylene	149	NA	NA
	trans-1,2-Dichloroethylene	30.8	NA	NA
	Vinyl Chloride	<u>12.7</u>	2	2
				15,750
N-6	No substances detected			
N-7	cis-1,2-Dichloroethylene	3.0	NA	NA
	Tetrachloroethylene	8.0	3,820	1,500
	Trichloroethylene	34.0	540	219
				NA
				88
				2,340
N-8	No substances detected			
N-9	cis-1,2-Dichloroethylene	4.5	NA	NA
	Tetrachloroethylene	5.2	3,820	1,500
	Trichloroethylene	26.1	540	219
				NA
				88
				2,340
N-10	cis-1,2-Dichloroethylene	10.9	NA	NA
	trans-1,2-Dichloroethylene	6.8	NA	NA
	Tetrachloroethylene	70.1	3,820	1,500
	Trichloroethylene	45.2	540	219
				NA
				NA
				88
				2,340
N-11	1,1-Dichloroethane	5.2	50,000	34,600
	1,1-Dichloroethylene	<u>12.7</u>	6	1
	cis-1,2-Dichloroethylene	2,300	NA	NA
	trans-1,2-Dichloroethylene	34.0	NA	NA
	Tetrachloroethylene	28.8	3,820	1,500
	Trichloroethylene	58.4	540	219
	Vinyl chloride	<u>165</u>	2	2
				2,970
				96
				NA
				NA
				88
				2,340
				15,750
N-12	cis-1,2-Dichloroethylene	4.9	NA	NA
	Tetrachloroethylene	3.6	3,820	1,500
	Trichloroethylene	39.5	540	219
				NA
				88
				2,340

Table 8

International Silver Co., Factory H
START Groundwater Sample Results
Samples Collected 23-24 September 1998 (concluded)

Well ID	Contaminant and Concentration (ppb)	I/C-GWVC (ppb)	RES-GWVC (ppb)	SWPC (ppb)
MW-13	Tetrachloroethylene 1.1J	3,820	1,500	88
	Trichloroethylene 11.4	540	219	2,340
MW-14	1,1-Dichloroethylene <u>1.2</u>	6	1	96
	cis-1,2-Dichloroethylene 17.0	NA	NA	NA
	Tetrachloroethylene <u>290</u>	3,820	1,500	88
	Trichloroethylene 106	540	219	2,340
MW-15	cis-1,2-Dichloroethylene 16.9	NA	NA	NA
	trans-1,2-Dichloroethylene 4.2	NA	NA	NA
	Vinyl chloride <u>103</u>	2	2	15,750
	Xylene 2.6	50,000	21,300	NA

- NA = Not applicable. No CT DEP RSR standards promulgated.
 SWPC = CT DEP Surface Water Protection Criteria.
 RES-GWVC = CT DEP Residential Groundwater Volatilization Criteria.
 I/C-GWVC = CT DEP Industrial/Commercial Groundwater Volatilization Criteria.
 ppb = Parts per billion.

All groundwater samples were analyzed for VOCs, dissolved PP13 metals, and total cyanide. Samples for dissolved metals were field filtered.

Underlined, italicized, and bolded concentrations indicate an exceedance of CT DEP RSR standards.

Exceedances of CT DEP RSR standards were noted in samples collected from monitoring wells MW-1, MW-5, MW-11, and MW-14; however, the presence of relatively low level VOCs in 11 of the 13 wells sampled indicates that VOC contamination is widespread throughout the INSILCO site. PCE, TCE, and several of their breakdown products were found at varying levels indicating that active degradation of the parent substances is occurring. In general, the property's shallow overburden monitoring wells (MW-1 through MW-3 and MW-5 through MW-11) had relatively moderate to high concentrations of breakdown products along with elevated levels of PCE and TCE. The property's deep overburden monitoring wells (MW-12 through MW-14) had relatively low concentrations of breakdown products along with elevated levels of PCE and TCE.

It should be noted that although it appears that active degradation is occurring, the toxicity of the breakdown products of PCE and TCE, specifically vinyl chloride, is often greater than the parent substance.

3.4 Groundwater Elevation Survey

Groundwater elevations in the 13 on-site monitoring wells were surveyed and recorded by START personnel on 24 September 1998 to further delineate the groundwater flow direction. Groundwater elevations were referenced to an arbitrary benchmark of 100.00 feet assigned to the top of the casing of MW-12. In addition, a nearby surface water elevation was also surveyed from Harbor Brook. Table 9 summarizes the monitoring well elevations recorded on 24 September 1998. Based on the START groundwater surveying results, groundwater within the shallow aquifer beneath the property flows in a southwesterly direction towards Harbor Brook. This finding is consistent with HRP's determination that the groundwater flow direction was west-to-southwest. Figure 6 is a groundwater contour map for the portion of the property east of Harbor Brook.

Table 9

**International Silver Co., Factory H
Groundwater Elevation Data, 24 September 1998**

Monitoring Well	Well Elevation ¹	Measured Depth to Groundwater ²	Groundwater Elevation ³
MW-01	106.79	16.75	90.04
MW-02	94.84	6.05	88.79
MW-03	98.91	10.42	88.49
MW-04	Well destroyed	NA	NA
MW-05	Not measured	6.00	NA
MW-06	104.13	12.20	91.93
MW-07*	95.74	5.75	89.99
MW-08	97.39	9.05	88.34
MW-09	99.19	10.30	88.89
MW-10	103.03	13.24	89.79
MW-11	100.53	10.32	90.21
MW-12*	100.00	10.03	89.97
MW-13*	97.90	8.32	89.58
MW-14*	95.60	6.93	88.67
Harbor Brook	NA	NA	88.42

All measurements are in feet.

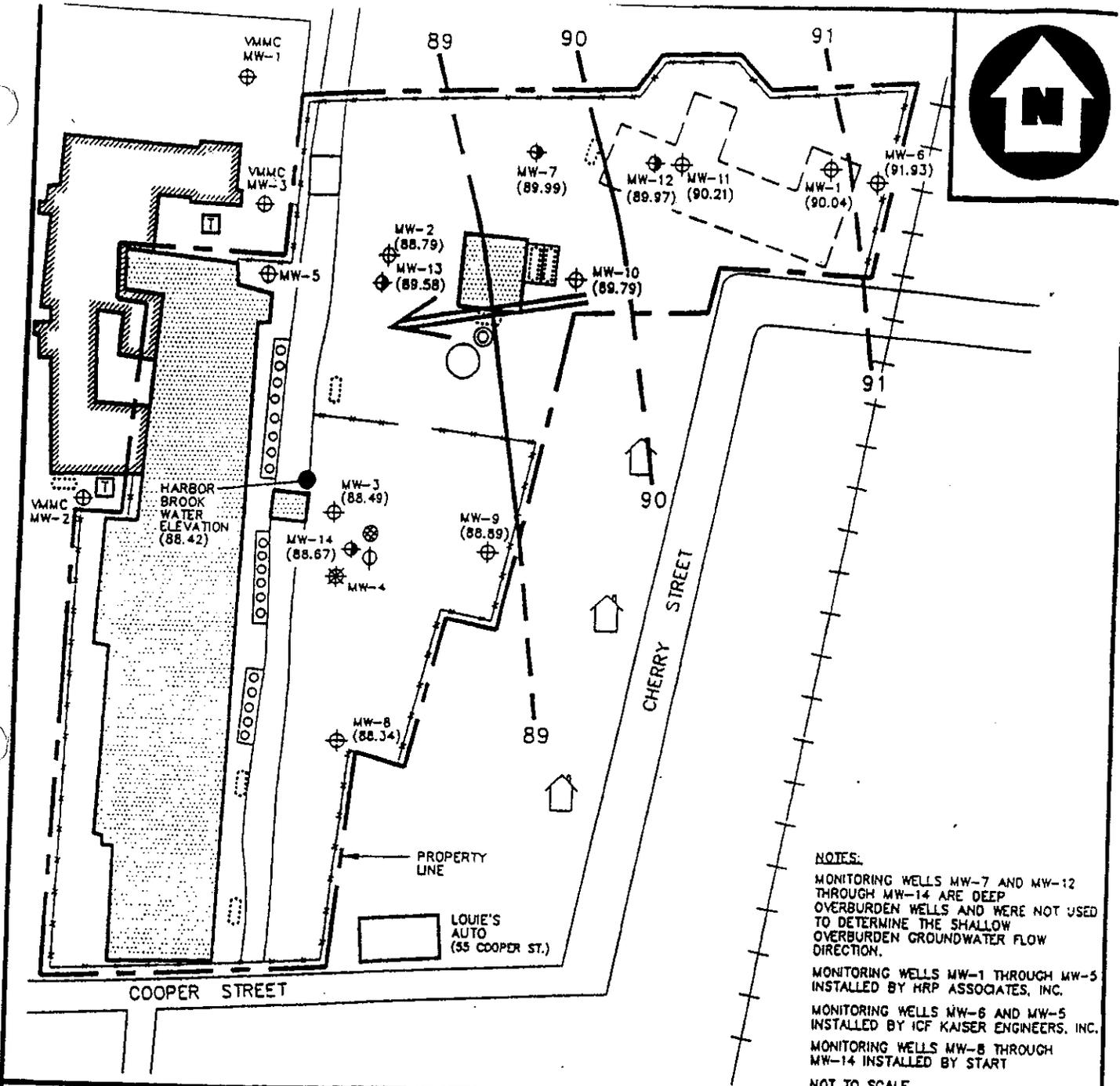
NA = Not applicable (measurement not obtained).

1 = Elevation of top of well casing.

2 = Measured from top of well casing.

3 = With respect to arbitrary benchmark of 100.00 feet for monitoring well MW-12.

* = Monitoring wells MW-07 and MW-12 through MW-14 are deep overburden monitoring wells and are not used in the determination of the shallow aquifer groundwater flow direction.



NOTES:
 MONITORING WELLS MW-7 AND MW-12 THROUGH MW-14 ARE DEEP OVERBURDEN WELLS AND WERE NOT USED TO DETERMINE THE SHALLOW OVERBURDEN GROUNDWATER FLOW DIRECTION.
 MONITORING WELLS MW-1 THROUGH MW-5 INSTALLED BY HRP ASSOCIATES, INC.
 MONITORING WELLS MW-6 AND MW-5 INSTALLED BY ICF KAISER ENGINEERS, INC.
 MONITORING WELLS MW-8 THROUGH MW-14 INSTALLED BY START
 NOT TO SCALE

LEGEND

- ☼ DESTROYED OVERBURDEN MONITORING WELL
- ⊕ SHALLOW OVERBURDEN MONITORING WELL
- ⊕ DEEP OVERBURDEN MONITORING WELL
- ⊕ MW-2 (88.79) MONITORING WELL ID/ GROUNDWATER ELEVATION
- GROUNDWATER CONTOUR AND FLOW DIRECTION (DASHED WHERE INFERRED)
- DUST COLLECTOR AREA (DUST PILES)
- ▭ UNDERGROUND STORAGE TANK (UST)
- ⊠ TRANSFORMER
- CATCHBASIN
- +—+—+ RAILROAD TRACKS
- FENCE
- 🏠 RESIDENCE

SHALLOW OVERBURDEN
GROUNDWATER CONTOUR MAP
 INTERNATIONAL SILVER CO.
 FACTORY H
 COOPER STREET
 MERIDEN, CONNECTICUT



REGION I SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM

TOD # 98-05-0098	DRAWN BY: W. SHAW	DATE 12/14/98
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FILE NAME: P:\BSA\97050026\FIGURES\INSIL_GW	FIGURE 6
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The well elevation for monitoring well MW-5 was not surveyed, as it is located on the west side of Harbor Brook and does not provide enough information to determine groundwater flow direction on the western portion of the property. Monitoring wells MW-7 and MW-12 through MW-14 are deep overburden monitoring wells and were, therefore, not used to infer the flow direction of groundwater in the shallow portion of the overburden aquifer. The groundwater flow direction within the deep aquifer beneath the eastern portion of the property is approximately west; however, insufficient information is available to determine an exact flow direction.

3.5 Harbor Brook Sediment and Surface Water Sampling

HRP conducted surface water sampling from Harbor Brook as part of their 1988 SA. HRP surface water sampling results indicated the presence of TCE at 1 ppb, 2 ppb, and 10 ppb at locations upstream, on-site, and downstream of the property, respectively.

On 24 August 1998, three sediment and three surface water samples were collected by START personnel from Harbor Brook. The sediment samples were analyzed for VOCs, PCBs, total PP13 metals, and total cyanide. The surface water samples were analyzed for VOCs, total PP13 metals, and total cyanide. A trip blank for VOCs was also submitted for laboratory analysis. Table 10 summarizes the sediment and surface water sample locations and the submitted analyses. The sample locations are depicted on Figure 3.

Table 10

Sediment and Surface Water Sample Summary: International Silver Co., Factory H
Sediment and Surface Water Samples Collected by START on 24 August 1998

Sample Location (Traffic Report No.)	Date/ Time (hrs)	Description	Analyses
MATRIX: Sediment			
SD-1 (DAFY32)	8/24/98 1720	Grab sediment sample from Harbor Brook approximately 450 feet downstream of the footbridge.	VOCs, PCBs, total PP13 metals, total cyanide
SD-2 (DAFY31)	8/24/98 1730	Grab sediment sample from Harbor Brook approximately 300 feet downstream of the footbridge.	VOCs, PCBs, total PP13 metals, total cyanide
SD-3 (DAFY33)	8/24/98 1745	Grab sediment sample from Harbor Brook approximately 25 feet downstream of the footbridge.	VOCs, PCBs, total PP13 metals, total cyanide
MATRIX: Surface Water			
SW-1 (DAFY34)	8/24/98 1720	Grab surface water sample from Harbor Brook approximately 450 feet downstream of the footbridge.	VOCs, total PP13 metals, total cyanide

**Sediment and Surface Water Sample Summary: International Silver Co., Factory H
Sediment and Surface Water Samples Collected by START on 24 August 1998
(concluded)**

Sample Location (Traffic Report No.)	Date/ Time (hrs)	Description	Analyses
SW-2 (DAFY35)	8/24/98 1730	Grab sediment sample from Harbor Brook approximately 300 feet downstream of the footbridge.	VOCs, total PP13 metals, total cyanide
SW-3 (DAFY36)	8/24/98 1745	Grab sediment sample from Harbor Brook approximately 25 feet downstream of the footbridge.	VOCs, total PP13 metals, total cyanide
MATRIX: Quality Control			
TB-01 (DAFY22)	8/24/98 1100	Trip blank for quality control.	VOCs

hrs = hours
 VOCs = Volatile organic compounds by EPA Method 8260B.
 PCBs = Polychlorinated biphenyls by EPA Method 8082.
 PP13 metals = Priority pollutant 13 metals (antimony, arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver, thallium, and zinc) by EPA Method 3050B or 3010A/6010B and 7470A or 7471A.
 Cyanide = Cyanide by EPA Method 9010B.

During START sediment and surface water sampling activities, samples were screened with an FID. No FID readings above background were noted during the START sediment and surface water sampling event.

Table 11 summarizes the sediment and surface water analytical results. If a substance was detected in a sample, its concentration is listed. If a substance was not detected in a sample, it was not listed. No CT DEP RSR standards have been promulgated for sediment or surface water, and as a result, no comparison with CT DEP RSR standards can be presented. Analytical results are included as Appendix F.

Table 11

International Silver Co., Factory H
START Sediment and Surface Water Samples
Samples Collected on 24 August 1998

Sample ID	Compound	Concentration (ppm)
MATRIX: Sediment		
SD-1	Arsenic	2.4
	Chromium	10.7
	Copper	47.6
	Lead	63.6
	Nickel	10.6
	Thallium	2.0
	Zinc	66.4
SD-2	Arsenic	1.3
	Chromium	30.3
	Copper	46.5
	Lead	26.7
	Nickel	10.5
	Thallium	2.1
	Zinc	82.5
	Tetrachloroethylene	0.0943
	Trichloroethylene	0.013
SD-3	Antimony	4.6
	Arsenic	2.8
	Chromium	25.3
	Copper	116
	Lead	103
	Mercury	0.070
	Nickel	17.0
	Silver	1.0
	Thallium	3.5
	Zinc	164
	Trichloroethylene	0.0024
	MATRIX: Surface Water	
SW-1	cis-1,2-Dichloroethylene	0.0037
	Trichloroethylene	0.0054
SW-2	cis-1,2-Dichloroethylene	0.0031
	Trichloroethylene	0.0030
SW-3	cis-1,2-Dichloroethylene	0.0032
	Trichloroethylene	0.0023

ppm = Parts per million.

Sediment samples were analyzed for VOCs, PCBs, total PP13 metals, and cyanide.

Surface water samples were analyzed for VOCs, total PP13 metals, and cyanide.

The highest sediment contaminant concentrations were noted in upgradient sample SD-03. This indicates that an off-site upgradient source of contamination may be present and may be impacting the on-site stretch of Harbor Brook. This is further supported by the surface water sampling results which document the presence of VOCs in upgradient sample SW-03.

3.6 Wipe Sampling

The banks of Harbor Brook along the stretch adjacent to the INSILCO property are flanked by retaining walls constructed of fieldstone. Several outfall pipes are located within the retaining walls and are believed to have been discharge pipes for industrial process wastewaters. The face of the retaining wall is also known to be stained in several places. The nature of the staining is unknown. On 27 August 1998, three wipe samples were collected from the west retaining wall along Harbor Brook by START personnel. The wipe samples were analyzed for PCBs, total PP13 metals, and total cyanide. Table 12 summarizes the wipe sample locations and the submitted analyses. The sample locations are depicted on Figure 3.

Table 12

Wipe Sample Summary: International Silver Co., Factory H
Wipe Samples Collected by START on 27 August 1998

Sample Location (Traffic Report No.)	Date/ Time (hrs)	Description	Analyses
MATRIX: Wipe Samples			
Wipe-1 (DAFY40)	8/27/98 0930	Wipe sample from west retaining wall along Harbor Brook.	PCBs, total PP13 metals, and total cyanide
Wipe-2 (DAFY41)	8/27/98 0945	Wipe sample from west retaining wall along Harbor Brook.	PCBs, total PP13 metals, and total cyanide
Wipe-3 (DAFY42)	8/27/98 1000	Wipe sample from west retaining wall along Harbor Brook.	PCBs, total PP13 metals, and total cyanide

hrs = hours

PCBs = Polychlorinated biphenyls by EPA Method 8082.

PP13 metals = Priority pollutant 13 metals (antimony, arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver, thallium, and zinc) by EPA Method 3050B or 3010A/6010B and 7471A.

Cyanide = Cyanide by EPA Method 9010B.

During START wipe sampling activities, samples were screened with an FID. No FID readings above background were noted during the START wipe sampling event.

Table 13 summarizes the wipe sample analytical results. If a substance was detected in a sample, its concentration is listed. If a substance was not detected in a sample, it was not listed. No CT DEP RSR standards have been promulgated for wipe samples, and as a result, no comparison with CT DEP RSR standards can be presented. Analytical results are included as Appendix F.

Table 13

International Silver Co., Factory H
START Wipe Samples
 Samples Collected on 27 August 1998

Sample ID	Compound	Concentration ($\mu\text{g}/\text{wipe}$)
MATRIX: Wipe Samples		
WIPE-1	Antimony	0.58
	Arsenic	0.55
	Cadmium	1.1
	Chromium	9.0
	Copper	1,210
	Lead	31.2
	Nickel	159
	Selenium	0.76
	Silver	7.2
	Zinc	842
WIPE-2	Antimony	0.59
	Chromium	5.1
	Copper	157
	Lead	27.8
	Nickel	17.3
	Selenium	1.1
	Zinc	127
WIPE-3	Antimony	1.1
	Arsenic	2.2
	Cadmium	0.66
	Chromium	20.1
	Copper	2,730
	Lead	47.5
	Nickel	326
	Selenium	1.2
	Silver	18.3
	Zinc	1,480

$\mu\text{g}/\text{wipe}$ = Micrograms per wipe.

Wipe samples were analyzed for PCBs, total PP13 metals, and total cyanide.

Elevated concentrations of several metals were noted in the START wipe samples. The substances detected are consistent with those detected in other media collected on the property. No PCBs or cyanide concentrations were detected.

4.0 DATA USABILITY

The analytical data generated during the INSILCO BTSA have been reviewed in accordance with the procedures outlined in the Generic BTSA QAPP, dated 23 July 1997. The data review memoranda and the analytical data with appropriate qualifiers are included as appendices to this report.

5.0 CONCLUSIONS

Previous assessments have documented the presence of various potential sources of contamination throughout the INSILCO property. These source areas are summarized in Table 3 of this report. In addition, START has prepared a Cleanup Summary Memorandum which details the major contamination source areas as well as identifies additional assessment activities which may be required (see Appendix H).

As part of their 1988 SA, HRP sampled soil, groundwater, and dust debris. HRP found on-site soil and groundwater contaminated with VOCs at levels below applicable CT DEP RSR standards. HRP also identified elevated levels of metals in dust piles and identified several source areas, including abandoned tanks and potential ACMs.

AEI completed an Assessment of Site Environmental Conditions Report on 24 January 1990. As part of their investigation, AEI sampled suspect ACMs and conducted a soil gas survey. AEI sampling of suspect ACMs indicated the presence of friable asbestos in various building materials. Results of the AEI soil gas survey indicated elevated levels of organic vapors in the northeast portion of the INSILCO property in the vicinity of former Building D.

In 1990, ICF sampled groundwater and conducted a UST inventory of four on-site USTs. Laboratory analysis of groundwater samples indicated the presence of elevated VOCs. Laboratory analysis of the sampled USTs indicated that they contained petroleum products with VOCs and various metals. The contents from the four sampled USTs were reportedly pumped out and disposed of off site.

In February 1998, EPA Region I and START completed a Removal Program PA/SI to determine if hazards to public health or the environment were present at the INSILCO property. Based on the results of the PA/SI, EPA Region I has determined that a Removal Action pursuant to the National Contingency Plan (40 CFR 300.15) is necessary. The time frame for initiating the Removal Action and the detailed scope of work to be completed have not yet been determined. However, based on information provided by EPA Region I, it is anticipated that activities will include the removal of on-site drums, dust piles, and the mitigation of on-site ACM source areas.

As part of this BTSA investigation, START sampled soil, groundwater, surface water, sediment, and the retaining wall along Harbor Brook for laboratory analysis. START also sampled soil gas in the vicinity of former Building D for field screening analysis. Based on comparisons of analytical results with current CT DEP standards, it appears that several site areas have been impacted by known or potential sources identified in Table 3.

BTSA soil gas, soil, and groundwater sampling results document exceedances of the CT DEP RSR standards. Soil gas sampling results found exceedances of CT DEP RSR standards in AOC No. 1 (in the vicinity of former Building D). Subsurface soil samples collected from a depth of greater than 2 feet found no exceedances of CT DEP RSR standards. Groundwater samples indicated the presence of both shallow and deep aquifer contamination. START groundwater samples also indicate that active degradation of VOCs is occurring, especially in the shallow aquifer; however, the by-products of degradation may be more harmful than the parent substance.

Surface water, sediment, and retaining wall samples indicated elevated concentration of various contaminants; however, no comparison with CT DEP RSR standards can be made as none have been promulgated for these media.

Based on the results of this BTSA investigation, widespread contamination exists on the INSILCO property. The initiation of the upcoming EPA Region I Removal Action will help mitigate identified on-site hazards to public health or the environment. It is recommended that upon completion of the EPA Region I Removal Action, the INSILCO site be re-evaluated to determine whether additional cleanup actions are warranted to meet CT DEP cleanup standards. In addition, further site characterization activities may also be required to fully delineate the extent of any residual contamination at the site and to characterize the risks to public health or the environment from any remaining on-site sources.



Advanced
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February 16, 2006

REMEDIATION SECTION, 2ND FL
RECEIVED

FEB 22 2006

Mr. Raymond L. Frigon, Jr.
Connecticut Department of Environmental Protection
Bureau of Waste Management
Remediation Section
79 Elm Street
Hartford, Connecticut 06106-5127

WASTE MANAGEMENT BUREAU

Subject: Removal/Stabilization Activities Summary Report, Former
International Silver Company/Insilco Factory H Site, Meriden, CT

Dear Ray:

Please find enclosed a copy of the *Removal/Stabilization Activities Summary Report* AEI prepared, on behalf of MidState Medical Center, for the former International Silver Company/Insilco Factory H site on Cooper Street in Meriden, CT. Do not hesitate to call me if you need additional information or have any questions. Thank you for your assistance and cooperation during the project.

Sincerely,

Advanced Environmental Interface, Inc.

Joseph A. Santovasi, CPG, LEP
Principal

cc. Lucille Janatka, CEO, MidState Medical Center
Eric Lukingbeal, Esq., Robinson & Cole LLP

REMEDIATION SECTION, 2ND FL
RECEIVED

FEB 22 2006

WASTE MANAGEMENT BUREAU

**REMOVAL/STABILIZATION ACTIVITIES
SUMMARY REPORT**

**FORMER INTERNATIONAL SILVER COMPANY /
INSILCO FACTORY H SITE
Cooper Street
Meriden, Connecticut**



Prepared on behalf of:

MidState Medical Center

Prepared By:

**Advanced Environmental Interface, Inc.
8 Old Indian Trail
Middlefield, Connecticut 06455
(860) 349-3559**

February 15, 2006

AEI-98J-026

BUREAU WATER MANAGEMENT
SITE NAME Insilco Factory H
ADDRESS Cooper / Cherry St
TOWN Meriden
FILE TYPE Remediation

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1.0 INTRODUCTION

This Removal/Stabilization Activities Summary Report has been prepared by Advanced Environmental Interface, Inc. (AEI), on behalf of MidState Medical Center (MMC). The Removal/Stabilization Activities Summary Report presents the activities conducted under the guidance of AEI and the Connecticut Department of Environmental Protection (DEP) during 2004-2005 to remove certain hazardous materials and stabilize certain hazardous conditions at the former International Silver Company/Insilco Factory H site on Cooper Street in Meriden, CT. The types and quantities of materials identified for removal/stabilization during this project were based in large part upon the following reports, which are the most recent environmental investigation reports for the site:

- Roy F. Weston, Inc., September 9, 1999: International Silver Co., Factory H, Brownfields Targeted Site Assessment Final Report, Prepared for U. S. EPA Region I Office of Site Remediation and Restoration;
- GZA GeoEnvironmental, Inc., June 2000: Supplemental Phase II Environmental Site Evaluation, International Silver Company, Factory H Site, Meriden, Connecticut.

The removal/stabilization activities conducted at the Factory H site include:

- (1) demolition, removal and disposal of a dilapidated smokestack at the former boiler house (Building C);
- (2) removal and disposal of metal-laden dust piles beneath former cyclone dust collectors adjacent to the main building (Building A);
- (3) removal and disposal of metals-impacted surface soils beneath/adjacent to the dust collectors and in two areas on the east side of Harbor Brook, and installation of a 2-ft.-thick cover of two-inch process stone over the excavated areas;

- (4) assessment of the presence of potential/suspected underground storage tanks (USTs) suggested by prior investigations, via ground penetrating radar and test pits;
- (5) removal and disposal of the contents of USTs identified on the site (a sump pit, two 20,000-gal. fuel oil tanks, a 10,000-gal. waste water tank, a 275-gal. gasoline tank, and a 1,000-gal. kerosene tank);
- (6) removal and disposal of the 10,000-gal. waste water UST;
- (7) removal and disposal of the 275-gal. gasoline UST;
- (8) removal and disposal of assorted containers of hazardous or potentially hazardous materials;
- (9) removal and disposal of several piles of impacted soil and debris (some including asbestos, metals and petroleum-related compounds, and fire debris);
- (10) removal and disposal of several piles of asphalt and debris;
- (11) removal and disposal of asbestos-impacted soil beneath steam lines between Buildings A and C;
- (12) removal and disposal of friable asbestos insulation that had fallen or that was at risk of falling to the floor in the former transformer/electrical house (Building B), the boiler house (Building C), and in certain locations of the main building (Building A), and to the ground surface outside the buildings;
- (13) removal and disposal of lead-based paint that had fallen or that was at risk of falling to the floor in Buildings B and C and in certain locations in Building A;
- (14) removal and disposal of non-friable asbestos-containing building materials found on the adjacent ground surfaces and inside

- Buildings A, B, and C, as well as roofing material removed from the two 20,000-gal. fuel oil USTs bunker on the east side of Building C;
- (15) removal and disposal of accessible metal-laden dust residue from the dust collectors adjacent to Building A;
 - (16) removal and disposal of certain dilapidated overhead metal duct work between Building A and the dust collectors, and between Building C and the smokestack;
 - (17) removal of certain sections of the dilapidated roof of Building C;
 - (18) installation of plywood over open entrances (doors and windows) to Building A;
 - (19) installation of a chain-link fence around Building C;
 - (20) repair and re-installation of certain portions of a chain-link fence around Buildings A and B;
 - (21) securing of boiler doors and openings in Building C via spot welding;
 - (22) encapsulation of certain remaining asbestos-containing materials on the boiler in Building C;
 - (23) removal and disposal of metal window frames with asbestos-containing glazing from Building C;
 - (24) installation of plywood barriers over certain open second and third floor entrances (doors/openings) to the fire-damaged areas and elevator shafts in Building A;
 - (25) removal of brush and trees around the perimeter of Buildings A, B, and C and in work areas as required; and
 - (26) sealing certain pipe penetrations (via versif-foam) that were exposed during work activities on the east wall of Building A, on the first floor of Building C, and on the Harbor Brook retaining wall.

Details of the removal/stabilization activities and estimated quantities of hazardous materials removed from site are provided in subsequent sections of this summary report. Removal/stabilization areas are shown on Figure A (attached).

2.0 PRINCIPALS

The identity and roles of the principals involved with this project are:

Affiliation	Name	General Role
Client	MidState Medical Center (MMC)	Former property owner; responsible for signing waste manifests and similar documents.
Property owner	BL&A Associates Limited Partnership	Absent/Defunct (?).
Environmental Attorney	Eric Lukingbeal, Esq., Robinson & Cole LLP	Legal counsel to MMC.
Environmental Consultant	Joseph Santovasi, Advanced Environmental Interface, Inc. (AEI)	Represent MMC; work with DEP on project; assist with removal/stabilization actions.
DEP Staff	Ray Frigon	Review and approval of removal/stabilization actions and payments from DEP-controlled escrow fund.
Technical Consultant: Asbestos and Lead	ChemScope, Inc.	Asbestos and lead abatement work activities; project planner & monitor.
Technical Consultant: Structural/Safety	GeoDesign, Inc.	Structural and safety assessment of buildings/structures.
Municipal Authorities	City of Meriden	Local municipality; permits.
Remediation Contractors	Earth Technology, Inc.; Cyn Environmental Services; Fleet Environmental Services LLC; and Environmental Services, Inc.	Conducted removal/stabilization activities; subcontractors to AEI.

3.0 PROJECT COORDINATION

The project coordinator was Joseph A. Santovasi, CPG, LEP of Advanced Environmental Interface, Inc. (AEI), which coordinated this project on behalf of MMC. An AEI representative was on-site during all removal/stabilization activities. Ray Frigon of CTDEP provided guidance during the project.

4.0 SITE DESCRIPTION

4.1 Site Location

The site is situated on Cooper Street in Meriden, Connecticut. It is on the north side of Cooper Street, and south of Butler Street, in a mixed commercial and residential area. A site location map is attached (Figure B).

4.2 Site Use

The site is occupied by three abandoned buildings of the former International Silver Company/Insilco Factory H. The buildings are in poor to dilapidated condition. Abutting properties are occupied by commercial businesses and residences.

Factory H formerly housed various operations including, but not limited to, the manufacturing of plated silverware (flatware, cutlery, ornamental casket trimmings) and hardware. Processes included casting, plating, machining, trimming, polishing, buffing, forging, storage, and shipping. Factory H produced silverware from the 1800s until approximately 1974 when the site was vacated. The property and factory have been vacant since 1974.

Factory H is known to have used alkali soaps, sulfuric acid, oils, nickel, silver, chromium, copper, zinc, acid and alkali solutions, and halogenated and non-halogenated solvents. Other constituents of concern on the site include, but may not be limited to, other metals, cyanide, PCBs, total petroleum hydrocarbons, and volatile and semi-volatile organic compounds.

1. Tracking Pads: Several tracking pads were installed on the site. A tracking pad was installed to remove dirt/mud from truck and vehicle tires before they left the east, unpaved portion of the site and entered Cooper Street. The tracking pad was comprised of two-inch process stone (underlain by filter fabric) of the following dimensions: ~300 feet long by 15 feet wide by 1 foot thick. A second tracking pad was installed to remove dirt/mud from truck and vehicle tires before they left the Building A dust collector area and entered Cooper Street. The tracking pad was comprised of two-inch process stone (underlain by filter fabric) of the following dimensions: ~75 feet long by 10 feet wide by 1 foot thick. A third tracking pad was installed to remove dirt/mud from truck and vehicle tires before they left the Building A dust collector area and entered Butler Street. The tracking pad was comprised of two-inch process stone (underlain by filter fabric) of the following dimensions: ~75 feet long by 15 feet wide by 1 foot thick. A fourth tracking pad was installed to remove dirt/mud from truck and vehicle tires before they left the east, unpaved portion of the site and entered Cherry Street. The tracking pad was comprised of two-inch process stone (underlain by filter fabric) of the following dimensions: ~300 feet long by 15 feet wide by 1 foot thick.
2. Siltation, Sedimentation and Erosion Control Measures: Siltation, sedimentation, and erosion control measures including hay bales and silt fences were installed on the east and west banks of Harbor Brook where any activities were conducted, as appropriate, and were maintained in accordance with State of Connecticut and local requirements or guidelines. In addition, stockpiles of contaminated soil staged temporarily on-site were placed on and covered by polyethylene sheeting, and encircled by silt fence and hay bales.
3. Local Permits: All permits required by the City of Meriden and State of Connecticut were obtained. These included a city building permit for the installation of security fencing, a city Inland Wetlands permit for conducting

work activities within 50 ft. of Harbor Brook, and a State asbestos abatement permit/alternate work practices plan.

4. Other Site Preparation Measures: It was deemed necessary to install structural supports and other worker protection measures inside/outside the dilapidated portions of Buildings A, B, and C where work was performed. A structural engineering firm (GeoDesign, Inc.) was utilized to ensure that appropriate worker protection measures and structural modifications were implemented.

6.2 Removal/Stabilization Activities

(1) Demolition and Removal of Building C Smokestack

The Building C smokestack was approximately 132 feet high and constructed of yellow brick and mortar with metal stabilization rings at three almost equally spaced heights. Due to the effects of weathering, it was structurally unsound (bricks falling off the top posed a safety hazard). The demolition of the smokestack was accomplished via a 125-ton crane and a wrecking ball. The smokestack was taken down one layer of bricks at a time (from the top down) to be protective of site workers and the public.

Approximately 209 tons of brick from the smokestack was disposed of at Valley Sand and Gravel in North Haven, CT, and one 20-cubic-yard container of metal debris was disposed of at a metal recycling facility.

(2) Removal of Metal-Laden Dust Piles Beneath Former Cyclone Dust Collectors

Metal-laden dust amounting to a volume of approximately thirty-three 55-gallon drums (estimated at 17,000 lbs.) was removed from the site and disposed of at CYN Oil Corp. in Stoughton, MA.

(3) Removal of Metals-Impacted Surface Soils Beneath/Adjacent to Dust Collectors and in Two Areas on East Side of Harbor Brook

1,356 tons of impacted soil was removed to a depth of ~2 feet below grade, and was disposed of at American Reclamation Corporation (AMREC) in Charlton, MA. The locations of the excavated impacted soils are shown on Figure A.

After the ~2-ft. layer of impacted soil was removed adjacent to the dust collectors, post-excavation soil samples were collected using a Geoprobe and hand tools. Soil sample locations are shown on Figure C.

Subsequent to sample collection, a 2-ft.-thick cover of two-inch process stone was installed to reduce the accessibility of metals-impacted soils remaining at depths greater than 2 feet. Soil sample results are summarized on Table A. Lab reports are in Appendix B.

(4) Assessment of the Presence of Suspected USTs

Of the nine suspected USTs identified by prior environmental investigations, only a 275-gal. gasoline UST, a sump pit, and an empty concrete vault were found via a ground penetrating radar (GPR) survey and test pits.

Locations of identified USTs, the sump pit, and the concrete vault are shown on Figure A.

(5) Removal of UST Contents

The contents (liquid and sludge to less than one inch depth) of the sump pit, two 20,000-gal. fuel oil tanks, the 10,000-gal. waste water tank, the 275-gal. gasoline tank, and the 1,000-gal. kerosene tank were removed from the site and disposed of at an offsite facility. This activity generated 9,028 gals. of liquid waste that was disposed of at Clean Water of New York, Inc. in Staten Island, NY; three 20-cubic-yard containers of sludge/soil that were disposed of at Phoenix Soil LLC in Waterbury, CT;

and seven 55-gal. drums of metals-impacted sludge/liquid that were disposed of at Northland Environmental, Inc. in Providence, RI. The locations of the USTs and sump pit are shown on Figure A.

(6) Removal and Disposal of the 10,000-gal. Waste Water UST

The 10,000-gal. UST was cleaned, extracted using a 25-ton crane and an excavator, removed from the site, and disposed of at Massachusetts Tank, Inc. in Chicopee, MA.

AEI sampled tank grave soil and ground water. Results are summarized on Table A (soils) and provided in Appendix C (soil and ground water). Soil sample locations are shown on Figure C.

(7) Removal and Disposal of the 275-gal. Gasoline UST

The 275-gal. UST was cleaned, extracted using a backhoe, removed from the site, and disposed of at Massachusetts Tank, Inc. in Chicopee, MA.

AEI sampled tank grave soil. Ground water was not present in the grave. Results are summarized on Table A and provided in Appendix D. Soil sample locations are shown on Figure C.

(8) Removal of Containers of Waste

Empty assorted containers and several partially-filled 55-gallon drums were collected from inside and adjacent to Buildings A, B, and C, removed from the site, and disposed of at Cyn Oil Corp. in Stoughton, MA. A total of thirteen containers was removed.

(9) Removal of Other Stained-Soil/Debris Piles

708 tons of stained and impacted soil and debris piles was excavated, removed from the site, and disposed of at American Reclamation Corporation (AMREC) in Charlton, MA.

(10) Removal and Disposal of Asphalt/Construction Debris Piles

268 tons of asphalt/construction debris was removed from the site and disposed of at Modern Materials in Hamden, CT.

(11) Removal and Disposal of Asbestos-Impacted Soil beneath Steam Lines between Buildings A and C

Two 20-cubic-yard containers of asbestos-impacted soil was excavated, removed from the site, and disposed of at Waste Management of N.H. in Rochester, NH via Waste Management N.E.E.T.

ChemScope, Inc. provided technical guidance and final clearance inspection of the work area.

(12) Removal of Fallen or At-Risk-of-Falling Asbestos-Containing Insulation from Building C, Building B, and Building A North End, Second and Third Floors and North Stairwell Area

Asbestos-containing building materials were removed and disposed of at Valley Landfill in Irwin, PA via Waste Management N.E.E.T. This activity generated three 100-cubic-yard box trailers, and one 20-cubic-yard container of waste.

ChemScope, Inc. provided technical guidance and visual inspections of the work areas as well as air-monitoring and final clearance inspections.

(13) Removal of Fallen or At-Risk-of-Falling Lead-Based Paint from Building C, Building B, and Building A North End, Second and Third Floors and North Stairwell Area

One 55-gallon drum of lead-based paint chips was generated, removed from the site, and disposed of at Northland Environmental, Inc. in Providence, RI. Additional lead-based paint chips were disposed of with asbestos-containing building materials that also had fallen on the building floors.

ChemScope, Inc. provided technical guidance and visual inspections of work areas.

(14) Removal of Non-Friable Asbestos-Containing Building Materials

Non-friable asbestos-containing building materials found on the adjacent ground surfaces and inside Buildings A, B, and C and the roof material of the UST bunker located on the east side of Building C were removed from the site and disposed of at High Acres Landfill in Fairport, NY via Waste Management N.E.E.T. This activity generated six 20-cubic-yard containers of non-friable asbestos-containing building materials.

ChemScope, Inc. provided technical guidance and visual inspections of the work areas.

(15) Removal of Accessible Metal-Laden Dust Residues from the Dust Collectors adjacent to Building A

Dust collectors were mechanically cleaned of loose dust and debris, which was removed from the site with the metals-impacted soils and disposed of at American Reclamation Corporation (AMREC) in Charlton, MA.

(16) Removal of Certain Dilapidated Overhead Metal Duct Work between Building A and the Dust Collectors, and between Building C and the Smokestack

The metal duct work between the dust collectors and Building A and also between Building C and the former smokestack was dilapidated and posed a safety hazard, and therefore was removed and disposed of at a metal recycling facility.

(17) Removal of Certain Sections of the Dilapidated Roof of Building C

The sheet-metal composite flat roof on Building C was dilapidated and posed a safety hazard, and therefore certain sections were removed and disposed of at a metal recycling facility.

(18) Installation of Plywood Barriers Over Open First Floor Entrances (Doors and Windows) to Building A and Posting of Asbestos Warning Signs

The installation of plywood barriers and the posting of asbestos warning signs were conducted to secure Building A.

(19) Installation of Chain-Link Fence and Gates Around Building C

The installation of a chain-link fence around Building C was conducted to secure the work area around the building during the removal of asbestos and lead-containing materials.

(20) Repair and Re-Installation of Certain Portions of Chain-Link Fence Around Buildings A and B

The repair and re-installation of chain-link fence around Buildings A and B was conducted to secure the areas around the buildings during the removal of asbestos and lead-containing materials, as well as the metals-impacted soil removal activities conducted in this area.

(21) Welded Shut Certain Boiler Doors and Openings in Building C

Certain boiler doors and openings in Building C were spot welded to secure those areas.

(22) Encapsulation of Certain Remaining Asbestos-Containing Materials on the Boiler in Building C

Encapsulation of certain remaining asbestos-containing materials on the boiler in Building C was conducted to secure those areas.

(23) Removal of Window Frames Containing Asbestos Glazing from Building C

Removal of metal window frames with asbestos-containing glazing from Building C was conducted. This material was disposed of with the other non-friable asbestos building materials at High Acres Landfill in Fairport, NY via Waste Management N.E.E.T.

(24) Installation of Plywood Barriers Over Certain Open Second and Third Floor Entrances (Doors/Opening) to the Fire Damaged Areas in Building A and Elevator Shafts

Installation of plywood barriers over certain open second and third floor entrances (doors/openings) to the fire-damaged areas and elevator shafts in Building A was conducted to secure those areas.

(25) Removal of Brush and Trees Around Buildings A, B, and C and Site Work Areas as Required

Removal of brush and trees around the perimeter of Buildings A, B, and C and in other site work areas was required to establish safe work zones.

(26) Sealed-Off Certain Pipe Penetrations (via versi-foam) that were Exposed During Work Activities on the East Wall of Building A, the First Floor of Building C, and the Harbor Brook Retaining Wall

Exposed pipe penetrations were sealed off using versi-foam to eliminate those potential pathways for contaminant migration.

All project documentation including disposal documents, etc. is on-file at AEI.

6.3 Site Restoration Work

1. Backfilling: Remediation contractors provided clean fill material comprised of either bank run gravel or two-inch process stone to backfill the excavated UST areas, the soil excavation areas adjacent to and below the dust collectors, and the two excavation areas on the east side of Harbor Brook where impacted soils were removed. Backfilling was done in areas identified on Figure A as Removal/Stabilization Area R (approximately 1,100 tons of two-inch process stone) and Area G (approximately 120 tons of bank run gravel). Also mason-like sand (approximately 20 tons) was placed in an approximate two-foot layer along a 30-foot section of natural gas pipe exposed during the removal of the 10,000-gal. waste water UST, at the request of Yankee Gas Services Company. In addition, approximately 50

tons of two-inch process stone was used to backfill the two impacted soil excavation areas on the east side of Harbor Brook.

2. Compaction: Remediation contractors utilized a backhoe to partially compact bank run gravel backfill material. The two-inch process stone backfill was self-compacting.

7.0 CONCLUSIONS

Removal/stabilization activities conducted during this project resulted in the removal of the contents of all identified USTs, two USTs, metal-laden dust piles beneath dust collectors, impacted soils, containers, residues, structures, asbestos-containing building materials, lead-based paint, and debris piles, and the stabilization/securing of openings and areas, at certain on-site locations. These activities reduced potential and actual threats to human health and the environment on the Factory H site.

8.0 LIMITATIONS

The purpose of this project was to conduct certain removal/stabilization activities deemed appropriate by AEI and DEP to minimize public exposure to and environmental risk from hazardous materials and conditions at the Factory H site. The removal/stabilization activities were conducted on a priority basis based upon the limited budget a DEP-controlled escrow account established for the project. Stabilization actions conducted to secure the site (e.g., fencing, locks, boarding up buildings, asbestos encapsulation, posting warning signs, etc.) are temporary in nature and are not permanent solutions for the remaining portions of the on-site buildings in poor or dilapidated condition, or for remaining impacted soils, debris, or building materials on the site. Remaining asbestos- and lead-containing building materials have not been completely encapsulated or removed and may over time fall inside and outside the buildings. Bank run

gravel backfill was only partially compacted and should not be considered structurally sound for any future construction.

9.0 REPORT PREPARER/SIGNATURE

This summary report has been prepared on behalf of MidState Medical Center by:

Advanced Environmental Interface, Inc.



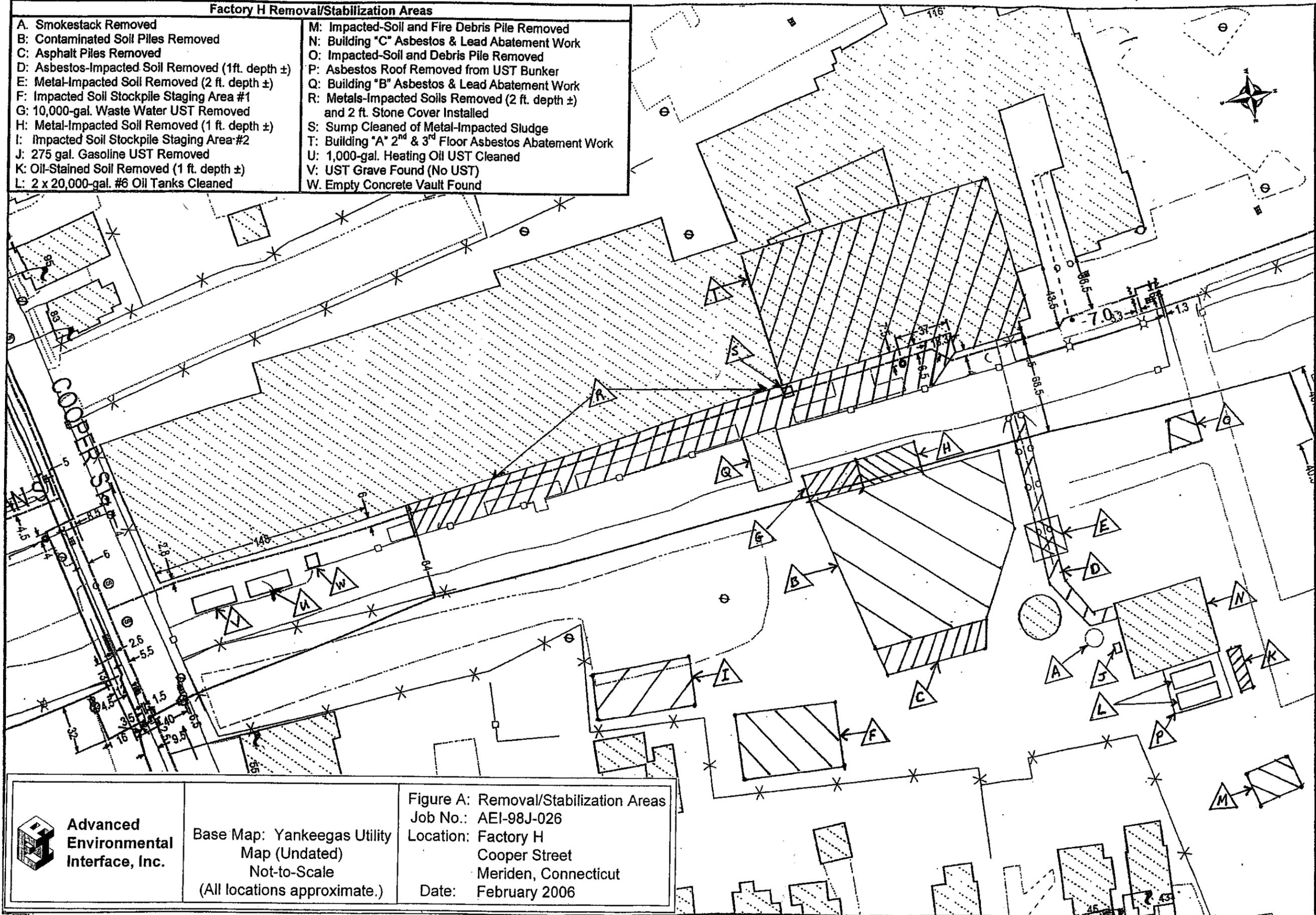
John H. Szymanski, Field Engineer



Joseph A. Santovasi, CPG, LEP

Factory H Removal/Stabilization Areas

- | | |
|--|--|
| A: Smokestack Removed | M: Impacted-Soil and Fire Debris Pile Removed |
| B: Contaminated Soil Piles Removed | N: Building "C" Asbestos & Lead Abatement Work |
| C: Asphalt Piles Removed | O: Impacted-Soil and Debris Pile Removed |
| D: Asbestos-Impacted Soil Removed (1ft. depth ±) | P: Asbestos Roof Removed from UST Bunker |
| E: Metal-Impacted Soil Removed (2 ft. depth ±) | Q: Building "B" Asbestos & Lead Abatement Work |
| F: Impacted Soil Stockpile Staging Area #1 | R: Metals-Impacted Soils Removed (2 ft. depth ±) and 2 ft. Stone Cover Installed |
| G: 10,000-gal. Waste Water UST Removed | S: Sump Cleaned of Metal-Impacted Sludge |
| H: Metal-Impacted Soil Removed (1 ft. depth ±) | T: Building "A" 2 nd & 3 rd Floor Asbestos Abatement Work |
| I: Impacted Soil Stockpile Staging Area #2 | U: 1,000-gal. Heating Oil UST Cleaned |
| J: 275 gal. Gasoline UST Removed | V: UST Grave Found (No UST) |
| K: Oil-Stained Soil Removed (1 ft. depth ±) | W: Empty Concrete Vault Found |
| L: 2 x 20,000-gal. #6 Oil Tanks Cleaned | |



<p>Advanced Environmental Interface, Inc.</p>	<p>Base Map: Yankeegas Utility Map (Undated) Not-to-Scale (All locations approximate.)</p>	<p>Figure A: Removal/Stabilization Areas Job No.: AEI-98J-026 Location: Factory H Cooper Street Meriden, Connecticut Date: February 2006</p>
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**Comparison of Soil Sample Analyte Concentrations
to DEP Remediation Standard Regulations Numerical Criteria
Former Insilco Factory H Site
77 Cooper Street, Meriden, Connecticut**

Analyte	Direct Exposure Criteria for Soil (mg/kg)		Pollutant Mobility Criteria for Soil (mg/kg)	Soil Sample Concentrations (ppm)			
	Residential	Industrial/Commercial		S-1 (W)	S-2 (W)	SW-3 (W)	SW-4 (W)
Depth Below Grade			GB	(1')	(1')	(3.5')	(2')
Sampling Date				28-Jul-05	28-Jul-05	28-Jul-05	1-Aug-05
USEPA Method 8270C Polynuclear Aromatic Hydrocarbons (PAHs)							
Acenaphthene	1,000	2,500	84	ND	ND	ND	ND
Acenaphthylene	1,000	2,500	84	ND	ND	ND	ND
Anthracene	1,000	2,500	400	ND	ND	ND	ND
Benzo[a]anthracene	1	7.8	1	ND	ND	ND	ND
Benzo[a]pyrene	1	1	1	ND	ND	ND	ND
Benzo[b]fluoranthene	1	7.8	1	ND	ND	ND	ND
Benzo[g,h,i]perylene	1,000	2,500	42	ND	ND	ND	ND
Benzo[k]fluoranthene	8.4	78	1	ND	ND	ND	ND
Chrysene	84	780	1	ND	ND	ND	ND
Dibenz[a,h]anthracene	1	1	1	ND	ND	ND	ND
7H-Dibenzo(c,g)carbazole	NC	NC	NC	NT	NT	NT	NT
Indeno[1,2,3-cd]pyrene	1	7.8	1	ND	ND	ND	ND
Fluoranthene	1,000	2,500	56	ND	ND	ND	ND
Fluorene	1,000	2,500	56	ND	ND	ND	ND
Naphthalene	1,000	2,500	56	ND	ND	ND	ND
Phenanthrene	1,000	2,500	40	ND	ND	ND	ND
Pyrene	1,000	2,500	40	ND	ND	ND	ND
USEPA Method 8260B GC/MS							
	NA	NA	NA	ND	ND	ND	ND
USEPA Method 8082 Polychlorinated Biphenyls (PCBs)							
	1	10	0.005	ND	ND	ND	ND

NOTE: Soils at Sample Locations S-1 and S-2 were removed. Depths at locations PX-GP and HS begin at 2' below grade (i.e., at bottom of excavation now backfilled).
ADVANCED ENVIRONMENTAL INTERFACE, INC.
AEI-98J-026

Comparison of Soil Sample Analyte Concentrations
to DEP Remediation Standard Regulations Numerical Criteria

Former Insilco Factory H Site

77 Cooper Street, Meriden, Connecticut

Analyte	Direct Exposure Criteria for Soil (mg/kg)		Pollutant Mobility Criteria for Soil (mg/kg)	Soil Sample Concentrations (ppm)			
	Residential	Industrial/Commercial		S-1 (W)	S-2 (W)	SW-3 (W)	SW-4 (W)
Depth Below Grade			GB	(1')	(1')	(3.5')	(2')
Sampling Date				28-Jul-05	28-Jul-05	28-Jul-05	1-Aug-05
Mass/Total Metals							
Antimony	27	8,200	0.06	ND	ND	40	ND
Arsenic	10	10	NA	ND	ND	40.4	4.6
Barium	4,700	140,000	10.0	15	17	14	58
Cadmium	34	1,000	0.1	ND	1.8	1.4	0.5
Chromium (total)	NC	NC	0.5	16.7	184	3.9	10.5
Copper	2,500	76,000	NA	61,700	78,700	974	23,600
Lead	500	1,000	NA	50.8	102	936	303
Mercury	20	610	0.02	0.05	0.25	0.04	0.18
Nickel	1,400	7,500	NA	15,600	1,540	516	6,410
Silver	340	10,000	NA	33.6	187	57.1	286
Vanadium	470	14,000	0.5	8.2	7.2	1.8	5.7
Zinc	20,000	610,000	NA	11,700	27,000	1,100	5,070
SPLP Metals							
Lead	NA	NA	NA	NT	NT	NT	NT
USEPA Method 335.2 Total Cyanide	1,400	41,000	NA	ND	ND	ND	ND
Connecticut Extractable Total Petroleum Hydrocarbons (ETPH)	500	2,500	2,500	14,420	3,649	ND	12,629

Notes:

- mg/kg = milligrams per kilogram.
- ppm = Parts per million (comparable to mg/kg).
- NA = Not applicable.
- NC = No criteria established.
- ND = Not detected above the laboratory minimum detection limit.
- NT = Not tested.
- ☐ = Concentration exceeds associated criterion.

NOTE: Soils at Sample Locations S-1 and S-2 were removed. Depths at Locations PX-GP and HS begin at 2' below grade (i.e., at bottom of excavation now backfilled).
ADVANCED ENVIRONMENTAL INTERFACE, INC.
AEI-98J-026

**Comparison of Soil Sample Analyte Concentrations
to DEP Remediation Standard Regulations Numerical Criteria
Former Insilco Factory H Site
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Analyte	Direct Exposure Criteria for Soil (mg/kg)		Pollutant Mobility Criteria for Soil (mg/kg)	Soil Sample Concentrations (ppm)						
	Residential	Industrial/Commercial		HS-A (0-0.5') 9-Sep-05	HS-B (0-0.5') 9-Sep-05	HS-C (0-0.5') 9-Sep-05	HS-D (0-0.5') 9-Sep-05	HS-E (0-0.5') 9-Sep-05	HS-F (0-0.5') 9-Sep-05	
USEPA Method 8270C Polynuclear Aromatic Hydrocarbons (PAHs)										
Acenaphthene	1,000	2,500	84	ND	ND	0.031	ND	ND	ND	ND
Acenaphthylene	1,000	2,500	84	ND	ND	0.032	0.017	0.027	0.046	0.046
Anthracene	1,000	2,500	400	ND	0.280	0.174	0.036	0.064	0.048	0.048
Benzo[a]anthracene	1	7.8	1	ND	1.560	0.531	0.079	0.162	0.174	0.174
Benzo[b]fluoranthene	1	1	1	ND	0.540	0.248	0.016	0.081	0.064	0.064
Benzo[g,h,i]perylene	1,000	2,500	42	ND	0.910	0.344	0.069	0.111	0.118	0.118
Benzo[k]fluoranthene	8.4	78	1	ND	0.740	0.227	ND	ND	0.096	0.096
Chrysene	84	780	1	ND	1.780	0.242	0.043	0.075	0.104	0.104
Dibenz[a,h]anthracene	1	1	1	ND	ND	0.645	0.074	0.168	0.191	0.191
7H-Dibenzo(c,g)carbazole	NC	NC	NC	ND	ND	0.104	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	1	7.8	1	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	1,000	2,500	56	0.360	2.18	0.871	0.130	0.306	0.281	0.281
Fluorene	1,000	2,500	56	ND	ND	0.035	ND	ND	ND	ND
Naphthalene	1,000	2,500	56	ND	ND	0.104	0.162	0.048	0.028	0.028
Phenanthrene	1,000	2,500	40	ND	0.920	0.635	0.174	0.129	0.166	0.166
Pyrene	1,000	2,500	40	0.380	2.210	0.947	0.125	0.306	0.284	0.284
USEPA Method 8260B GC/MS	NA	NA	NA	NT	NT	NT	NT	NT	NT	NT
USEPA Method 8082 Polychlorinated Biphenyls (PCBs)	1	10	0.005	ND	ND	ND	ND	ND	ND	1.0

NOTE: Soils at Sample Locations S-1 and S-2 were removed. Depths at locations PX-GP and HS begin at 2' below grade (i.e., at bottom of excavation now backfilled).
ADVANCED ENVIRONMENTAL INTERFACE, INC.
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**Comparison of Soil Sample Analyte Concentrations
to DEP Remediation Standard Regulations Numerical Criteria
Former Insilco Factory H Site
77 Cooper Street, Meriden, Connecticut**

Analyte	Direct Exposure Criteria for Soil (mg/kg)		Pollutant Mobility Criteria for Soil (mg/kg)	Soil Sample Concentrations (ppm)						
	Residential	Industrial/Commercial		GB	HS-A (0-0.5') 9-Sep-05	HS-B (0-0.5') 9-Sep-05	HS-C (0-0.5') 9-Sep-05	HS-D (0-0.5') 9-Sep-05	HS-E (0-0.5') 9-Sep-05	HS-F (0-0.5') 9-Sep-05
Mass/Total Metals										
Antimony	27	8,200	0.06	NT	NT	NT	NT	NT	NT	NT
Arsenic	10	10	NA	ND	1.7	6.5	3.1	ND	ND	ND
Barium	4,700	140,000	10.0	NT	NT	NT	NT	NT	NT	NT
Cadmium	34	1,000	0.1	NT	NT	NT	NT	NT	NT	NT
Chromium (total)	NC	NC	0.5	NT	NT	NT	NT	NT	NT	NT
Copper	2,500	76,000	NA	40,000	137,000	866	493	32,200	45,500	
Lead	500	1,000	NA	195	36.5	142	120	386	89.4	
Mercury	20	610	0.02	NT	NT	NT	NT	NT	NT	NT
Nickel	1,400	7,500	NA	2,430	28,300	200	86.6	803	6,940	
Silver	340	10,000	NA	79.9	57.9	328	79.2	472	182	
Vanadium	470	14,000	0.5	NT	NT	NT	NT	NT	NT	NT
Zinc	20,000	610,000	NA	2,250	27,600	357	113	756	9,980	
SPLP Metals										
Lead	NA	NA	NA	NT	NT	NT	NT	NT	NT	NT
USEPA Method 335.2 Total Cyanide	1,400	41,000	NA	ND	1.8	ND	ND	2.3	2.3	
Connecticut Extractable Total Petroleum Hydrocarbons (ETPH)	500	2,500	2,500	21,676	5,589	300	264	913	4,939	

Notes:
 mg/kg = milligrams per kilogram.
 ppm = Parts per million (comparable to mg/kg).
 NA = Not applicable.
 NC = No criteria established.
 ND = Not detected above the laboratory minimum detection limit.
 NT = Not tested.
 = Concentration exceeds associated criterion.

NOTE: Soils at Sample Locations S-1 and S-2 were removed. Depths at Locations PX-GP and HS begin at 2' below grade (i.e., at bottom of excavation now backfilled).
 ADVANCED ENVIRONMENTAL INTERFACE, INC.
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**Comparison of Soil Sample Analyte Concentrations
to DEP Remediation Standard Regulations Numerical Criteria
Former Insilco Factory H Site
77 Cooper Street, Meriden, Connecticut**

Analyte	Direct Exposure Criteria for Soil (mg/kg)		Pollutant Mobility Criteria for Soil (mg/kg)	Soil Sample Concentrations (ppm)					
	Residential	Industrial/Commercial		HS-G (0-0.5') 9-Sep-05	PX-GP-1 (0-0.5') 9-Sep-05	PX-GP-1 (0.5-2') 9-Sep-05	PX-GP-1 (2-3.5') 9-Sep-05	PX-GP-2 (0-0.5') 9-Sep-05	PX-GP-2 (0.5-2') 9-Sep-05
USEPA Method 8270C Polynuclear Aromatic Hydrocarbons (PAHs)			GB						
Acenaphthene	1,000	2,500	84	0.210	NT	0.042	NT	NT	NT
Acenaphthylene	1,000	2,500	84	ND	NT	0.014	NT	NT	NT
Anthracene	1,000	2,500	400	0.920	NT	0.158	NT	NT	NT
Benzo[a]anthracene	1	7.8	1	2.490	NT	0.176	NT	NT	NT
Benzo[a]pyrene	1	1	1	0.820	NT	0.089	NT	NT	NT
Benzo[b]fluoranthene	1	7.8	1	1.020	NT	0.124	NT	NT	NT
Benzo[g,h,i]perylene	1,000	2,500	42	1.190	NT	0.101	NT	NT	NT
Benzo[k]fluoranthene	8.4	78	1	1.030	NT	0.083	NT	NT	NT
Chrysene	84	780	1	2.440	NT	0.297	NT	NT	NT
Dibenz[a,h]anthracene	1	1	1	ND	NT	ND	NT	NT	NT
7H-Dibenz[o,c,g]carbazole	NC	NC	NC	ND	NT	0.059	NT	NT	NT
Indeno[1,2,3-cd]pyrene	1	7.8	1	0.900	NT	0.089	NT	NT	NT
Fluoranthene	1,000	2,500	56	3.800	NT	0.476	NT	NT	NT
Fluorene	1,000	2,500	56	ND	NT	0.047	NT	NT	NT
Naphthalene	1,000	2,500	56	0.240	NT	0.119	NT	NT	NT
Phenanthrene	1,000	2,500	40	2.980	NT	0.593	NT	NT	NT
Pyrene	1,000	2,500	40	3.850	NT	0.439	NT	NT	NT
USEPA Method 8260B GC/MS	NA	NA	NA	NT	NT	NT	NT	NT	NT
USEPA Method 8082 Polychlorinated Biphenyls (PCBs)	1	10	0.005	ND	NT	ND	NT	NT	NT

NOTE: Soils at Sample Locations S-1 and S-2 were removed. Depths at locations PX-GP and HS begin at 2' below grade (i.e., at bottom of excavation now backfilled).
ADVANCED ENVIRONMENTAL INTERFACE, INC.

Comparison of Soil Sample Analyte Concentrations
to DEP Remediation Standard Regulations Numerical Criteria
Former Insilco Factory H Site
77 Cooper Street, Meriden, Connecticut

Analyte	Direct Exposure Criteria for Soil (mg/kg)		Pollutant Mobility Criteria for Soil (mg/kg)	Soil Sample Concentrations (ppm)					
	Residential	Industrial/Commercial		HS-G (0-0.5') 9-Sep-05	PX-GP-1 (0-0.5') 9-Sep-05	PX-GP-1 (0.5-2') 9-Sep-05	PX-GP-1 (2-3.5') 9-Sep-05	PX-GP-2 (0-0.5') 9-Sep-05	PX-GP-2 (0.5-2') 9-Sep-05
Depth Below Grade			GB						
Sampling Date									
Mass/Total Metals									
Antimony	27	8,200	0.06	NT	NT	NT	NT	NT	NT
Arsenic	10	10	NA	ND	7.0	5.5	ND	2.9	5.8
Barium	4,700	140,000	10.0	NT	NT	NT	NT	NT	NT
Cadmium	34	1,000	0.1	NT	NT	NT	NT	NT	NT
Chromium (total)	NC	NC	0.5	NT	NT	NT	NT	NT	NT
Copper	2,500	76,000	NA	38,900	389	576	391	471	2,340
Lead	500	1,000	NA	138	327	317	924	117	229
Mercury	20	610	0.02	NT	NT	NT	NT	NT	NT
Nickel	1,400	7,500	NA	4,810	79.5	83.2	52.6	97.9	479
Silver	340	10,000	NA	128	15.5	11.7	4.0	15.6	77.2
Vanadium	470	14,000	0.5	NT	NT	NT	NT	NT	NT
Zinc	20,000	610,000	NA	5,720	189	147	783	102	437
SPLP Metals									
Lead	NA	NA	NA	NT	NT	NT	NT	NT	NT
USEPA Method 335.2 Total Cyanide	1,400	41,000	NA	ND	NT	ND	NT	NT	NT
Connecticut Extractable Total Petroleum Hydrocarbons (ETPH)	500	2,500	2,500	34,539	NT	347	NT	NT	NT

Notes:
 mg/kg = milligrams per kilogram.
 ppm = Parts per million (comparable to mg/kg).
 NA = Not applicable.
 NC = No criteria established.
 ND = Not detected above the laboratory minimum detection limit.
 NT = Not tested.
 = Concentration exceeds associated criterion.
 NOTE: Soils at Sample Locations S-1 and S-2 were removed. Depths at locations PX-GP and HS begin at 2' below grade (i.e., at bottom of excavation now backfilled).
 ADVANCED ENVIRONMENTAL INTERFACE, INC.
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Comparison of Soil Sample Analyte Concentrations
to DEP Remediation Standard Regulations Numerical Criteria
Former Insilco Factory H Site
77 Cooper Street, Meriden, Connecticut

Analyte	Direct Exposure Criteria for Soil (mg/kg)		Pollutant Mobility Criteria for Soil (mg/kg)	Soil Sample Concentrations (ppm)				
	Residential	Industrial/Commercial		PX-GP-2 (2.3-5') 9-Sep-05	PX-GP-3 (0-0.5') 9-Sep-05	PX-GP-3 (0.5-2') 9-Sep-05	PX-GP-4 (0-0.5') 9-Sep-05	PX-GP-4 (0.5-2') 9-Sep-05
USEPA Method 8270C Polynuclear Aromatic Hydrocarbons (PAHs)								
Acenaphthene	1,000	2,500	84	NT	NT	0.019	NT	NT
Acenaphthylene	1,000	2,500	84	NT	NT	0.101	NT	NT
Anthracene	1,000	2,500	400	NT	NT	0.225	NT	NT
Benzo[a]anthracene	1	7.8	1	NT	NT	0.789	NT	NT
Benzo[a]pyrene	1	1	1	NT	NT	0.250	NT	NT
Benzo[b]fluoranthene	1	7.8	1	NT	NT	0.275	NT	NT
Benzo[g,h,i]perylene	1,000	2,500	42	NT	NT	0.272	NT	NT
Benzo[k]fluoranthene	8.4	78	1	NT	NT	0.277	NT	NT
Chrysene	84	780	1	NT	NT	0.682	NT	NT
Dibenz[a,h]anthracene	1	1	1	NT	NT	0.083	NT	NT
7H-Dibenzo(c,g)carbazole	NC	NC	NC	NT	NT	0.055	NT	NT
Indeno[1,2,3-cd]pyrene	1	7.8	1	NT	NT	0.312	NT	NT
Fluoranthene	1,000	2,500	56	NT	NT	0.976	NT	NT
Fluorene	1,000	2,500	56	NT	NT	0.069	NT	NT
Naphthalene	1,000	2,500	56	NT	NT	0.021	NT	NT
Phenanthrene	1,000	2,500	40	NT	NT	0.647	NT	NT
Pyrene	1,000	2,500	40	NT	NT	0.898	NT	NT
USEPA Method 8260B GC/MS	NA	NA	NA	NT	NT	NT	NT	NT
USEPA Method 8082 Polychlorinated Biphenyls (PCBs)	1	10	0.005	NT	NT	ND	NT	NT

NOTE: Soils at Sample Locations S-1 and S-2 were removed. Depths at locations PX-GP and HS begin at 2' below grade (i.e., at bottom of excavation now backfilled)
ADVANCED ENVIRONMENTAL INTERFACE, INC.
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Comparison of Soil Sample Analyte Concentrations
to DEP Remediation Standard Regulations Numerical Criteria
Former Insilco Factory H Site
77 Cooper Street, Meriden, Connecticut

Analyte	Direct Exposure Criteria for Soil (mg/kg)		Pollutant Mobility Criteria for Soil (mg/kg)	Soil Sample Concentrations (ppm)									
	Residential	Industrial/Commercial		PX-GP-2 (2.3-5') 9-Sep-05	PX-GP-3 (0-0.5') 9-Sep-05	PX-GP-3 (0.5-2') 9-Sep-05	PX-GP-3 (2-3.5') 9-Sep-05	PX-GP-4 (0-0.5') 9-Sep-05	PX-GP-4 (0.5-2') 9-Sep-05				
Mass/Total Metals													
Antimony	27	8,200	0.06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Arsenic	10	10	NA	6.7	19.8	10.1	1.8	9.4	9.4	9.4	9.4	9.4	8.5
Barium	4,700	140,000	10.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Cadmium	34	1,000	0.1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chromium (total)	NC	NC	0.5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Copper	2,500	76,000	NA	3,670	117	151	70	2,950	2,950	2,950	2,950	2,950	2,220
Lead	500	1,000	NA	150	103	150	40.3	194	194	194	194	194	176
Mercury	20	610	0.02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nickel	1,400	7,500	NA	829	27	20.2	12.9	529	529	529	529	529	394
Silver	340	10,000	NA	31.5	5.0	4.4	ND	21.2	21.2	21.2	21.2	21.2	11
Vanadium	470	14,000	0.5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Zinc	20,000	610,000	NA	621	44.9	56.4	41.1	435	435	435	435	435	344
SPLP Metals													
Lead	NA	NA	NA	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
USEPA Method 335.2 Total Cyanide	1,400	41,000	NA	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Connecticut Extractable Total Petroleum Hydrocarbons (ETPH)	500	2,500	2,500	NT	NT	233	NT	NT	NT	NT	NT	NT	NT

Notes:
 mg/kg = milligrams per kilogram.
 ppm = Parts per million (comparable to mg/kg).
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 ND = Not detected above the laboratory minimum detection limit.
 NT = Not tested.
 = Concentration exceeds associated criterion.
 NOTE: Soils at Sample Locations S-1 and S-2 were removed. Depths at Locations PX-GP and HS begin at 2' below grade (i.e., at bottom of excavation now backfilled).

**Comparison of Soil Sample Analyte Concentrations
to DEP Remediation Standard Regulations Numerical Criteria
Former Insilco Factory H Site
77 Cooper Street, Meriden, Connecticut**

Analyte	Direct Exposure Criteria for Soil (mg/kg)		Pollutant Mobility Criteria for Soil (mg/kg)	Soil Sample Concentrations (ppm)					
	Residential	Industrial/Commercial		PX-GP-4 (2-3.5') 9-Sep-05	PX-GP-5 (0-0.5') 9-Sep-05	PX-GP-5 (2-3.5') 9-Sep-05	PX-GP-5 (0.5-2') 9-Sep-05	PX-GP-6 (0-0.5') 9-Sep-05	PX-GP-6 (0.5-2') 9-Sep-05
USEPA Method 8270C Polynuclear Aromatic Hydrocarbons (PAHs)									
Acenaphthene	1,000	2,500	84	ND	NT	0.158	ND	NT	NT
Acenaphthylene	1,000	2,500	84	0.610	NT	0.108	0.049	NT	NT
Anthracene	1,000	2,500	400	0.530	NT	0.415	0.091	NT	NT
Benzo[a]anthracene	1	7.8	1	1.960	NT	0.948	0.450	NT	NT
Benzo[a]pyrene	1	1	1	0.850	NT	0.361	0.157	NT	NT
Benzo[b]fluoranthene	1	7.8	1	1.380	NT	0.499	0.241	NT	NT
Benzo[g,h,i]perylene	1,000	2,500	42	1.120	NT	0.493	0.183	NT	NT
Benzo[k]fluoranthene	8.4	78	1	1.260	NT	0.402	0.201	NT	NT
Chrysene	84	780	1	2.430	NT	1.046	0.604	NT	NT
Dibenz[a,h]anthracene	1	1	1	ND	NT	0.057	ND	NT	NT
7H-Dibenzo(c,g)carbazole	NC	NC	NC	ND	NT	0.198	ND	NT	NT
Indeno[1,2,3-cd]pyrene	1	7.8	1	1.230	NT	0.445	0.208	NT	NT
Fluoranthene	1,000	2,500	56	3.770	NT	0.938	0.604	NT	NT
Fluorene	1,000	2,500	56	ND	NT	0.189	0.015	NT	NT
Naphthalene	1,000	2,500	56	0.340	NT	0.251	0.075	NT	NT
Phenanthrene	1,000	2,500	40	2.040	NT	1.157	0.158	NT	NT
Pyrene	1,000	2,500	40	3.600	NT	0.821	0.598	NT	NT
USEPA Method 8260B GC/MS									
USEPA Method 8082 Polychlorinated Biphenyls (PCBs)									
	1	10	0.005	ND	NT	ND	ND	NT	NT

NOTE: Soils at Sample Locations S-1 and S-2 were removed. Depths at locations PX-GP and HS begin at 2' below grade (i.e., at bottom of excavation now backfilled)
ADVANCED ENVIRONMENTAL INTERFACE, INC.

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**Comparison of Soil Sample Analyte Concentrations
to DEP Remediation Standard Regulations Numerical Criteria
Former Insilco Factory H Site
77 Cooper Street, Meriden, Connecticut**

Analyte	Direct Exposure Criteria for Soil (mg/kg)		Pollutant Mobility Criteria for Soil (mg/kg)	Soil Sample Concentrations (ppm)						
	Residential	Industrial/Commercial		PX-GP-4 (2-3.5') 9-Sep-05	PX-GP-5 (0-0.5') 9-Sep-05	PX-GP-5 (0.5-2') 9-Sep-05	PX-GP-5 (2-3.5') 9-Sep-05	PX-GP-6 (0-0.5') 9-Sep-05	PX-GP-6 (0.5-2') 9-Sep-05	
Depth Below Grade Sampling Date			GB							
Mass/Total Metals										
Antimony	27	8,200	0.06	NT	NT	NT	NT	NT	NT	NT
Arsenic	10	10	NA	14.6	14.2	45.4	1.8	8.5	2.8	
Barium	4,700	140,000	10.0	NT	NT	NT	NT	NT	NT	
Cadmium	34	1,000	0.1	NT	NT	NT	NT	NT	NT	
Chromium (total)	NC	NC	0.5	NT	NT	NT	NT	NT	NT	
Copper	2,500	76,000	NA	1,760	2,200	1,130	93.5	533	197	
Lead	500	1,000	NA	109	190	146	104	53.3	88.2	
Mercury	20	610	0.02	NT	NT	NT	NT	NT	NT	
Nickel	1,400	7,500	NA	412	862	438	38.3	91.1	101	
Silver	340	10,000	NA	22	25.8	26.8	0.70	2.4	3.9	
Vanadium	470	14,000	0.5	NT	NT	NT	NT	NT	NT	
Zinc	20,000	610,000	NA	318	742	673	42.2	112	144	
SPLP Metals										
Lead	NA	NA	NA	NT	NT	NT	NT	NT	NT	
USEPA Method 335.2 Total Cyanide	1,400	41,000	NA	ND	NT	ND	ND	NT	NT	
Connecticut Extractable Total Petroleum Hydrocarbons (ETPH)	500	2,500	2,500	893	NT	539	1,718	NT	NT	

Notes:

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- NA = Not applicable.
- NC = No criteria established.
- ND = Not detected above the laboratory minimum detection limit.
- NT = Not tested.
- ☐ = Concentration exceeds associated criterion.

NOTE: Soils at Sample Locations S-1 and S-2 were removed. Depths at locations PX-GP and HS begin at 2' below grade (i.e., at bottom of excavation now backfilled).
ADVANCED ENVIRONMENTAL INTERFACE, INC.

**Comparison of Soil Sample Analyte Concentrations
to DEP Remediation Standard Regulations Numerical Criteria
Former Insilco Factory H Site
77 Cooper Street, Meriden, Connecticut**

Analyte	Direct Exposure Criteria for Soil (mg/kg)		Pollutant Mobility Criteria for Soil (mg/kg)	Soil Sample Concentrations (ppm)							
	Residential	Industrial/Commercial		GB	PX-GP-6 (2-3.5') 9-Sep-05	PX-GP-7 (0-0.5') 9-Sep-05	PX-GP-7 (0.5-2') 9-Sep-05	PX-GP-7 (2-3.5') 9-Sep-05	PX-GP-7 (3-4.5') 9-Sep-05	PX-GP-8 (0-0.5') 9-Sep-05	PX-GP-8 (0.5-2') 9-Sep-05
USEPA Method 8270C Polynuclear Aromatic Hydrocarbons (PAHs)											
Acenaphthene	1,000	2,500	84	NT	NT	0.042	ND	NT	NT	NT	NT
Acenaphthylene	1,000	2,500	84	NT	NT	0.087	0.290	NT	NT	NT	NT
Anthracene	1,000	2,500	400	NT	NT	0.188	0.430	NT	NT	NT	NT
Benzo[a]anthracene	1	7.8	1	NT	NT	0.611	2.020	NT	NT	NT	NT
Benzo[a]pyrene	1	1	1	NT	NT	0.277	0.610	NT	NT	NT	NT
Benzo[b]fluoranthene	1	7.8	1	NT	NT	0.434	0.550	NT	NT	NT	NT
Benzo[g,h,i]perylene	1,000	2,500	42	NT	NT	0.415	1.060	NT	NT	NT	NT
Benzo[k]fluoranthene	8.4	78	1	NT	NT	0.307	0.590	NT	NT	NT	NT
Chrysene	84	780	1	NT	NT	0.803	3.230	NT	NT	NT	NT
Dibenz[a,h]anthracene	1	1	1	NT	NT	0.064	ND	NT	NT	NT	NT
7H-Dibenzo(c,g)carbazole	NC	NC	NC	NT	NT	0.053	ND	NT	NT	NT	NT
Indeno[1,2,3-cd]pyrene	1	7.8	1	NT	NT	0.431	1.130	NT	NT	NT	NT
Fluoranthene	1,000	2,500	56	NT	NT	0.967	2.790	NT	NT	NT	NT
Fluorene	1,000	2,500	56	NT	NT	0.046	ND	NT	NT	NT	NT
Naphthalene	1,000	2,500	56	NT	NT	0.154	0.490	NT	NT	NT	NT
Phenanthrene	1,000	2,500	40	NT	NT	0.571	0.840	NT	NT	NT	NT
Pyrene	1,000	2,500	40	NT	NT	1.051	3.080	NT	NT	NT	NT
USEPA Method 8260B GC/MS											
USEPA Method 8082 Polychlorinated Biphenyls (PCBs)											
	1	10	0.005	NT	NT	ND	ND	NT	NT	NT	NT

NOTE: Soils at Sample Locations S-1 and S-2 were removed. Depths at locations PX-GP and HS begin at 2' below grade (i.e., at bottom of excavation now backfilled)
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Table 1

Comparison of Soil Sample Analyte Concentrations to DEP Remediation Standard Regulations Numerical Criteria

Former Insilco Factory H Site

77 Cooper Street, Meriden, Connecticut

Analyte	Direct Exposure Criteria for Soil (mg/kg)		Pollutant Mobility Criteria for Soil (mg/kg)	Soil Sample Concentrations (ppm)							
	Residential	Industrial/Commercial		PX-GP-6	PX-GP-7	PX-GP-7	PX-GP-7	PX-GP-7	PX-GP-8	PX-GP-8	
Depth Below Grade			GB	(2-3.5')	(0-0.5')	(0.5-2')	(2-3.5')	(2-3.5')	(0-0.5')	(0.5-2')	
Sampling Date				9-Sep-05	9-Sep-05	9-Sep-05	9-Sep-05	9-Sep-05	9-Sep-05	9-Sep-05	
Mass/Total Metals											
Antimony	27	8,200	0.06	NT	NT	NT	NT	NT	NT	NT	
Arsenic	10	10	NA	2.8	1.3	2.5	2.8	1.4	1.4	6.1	
Barium	4,700	140,000	10.0	NT	NT	NT	NT	NT	NT	NT	
Cadmium	34	1,000	0.1	NT	NT	NT	NT	NT	NT	NT	
Chromium (total)	NC	NC	0.5	NT	NT	NT	NT	NT	NT	NT	
Copper	2,500	76,000	NA	1,060	417	759	238	149	149	799	
Lead	500	1,000	NA	175	18.7	48	36.3	8.9	8.9	541	
Mercury	20	610	0.02	NT	NT	NT	NT	NT	NT	NT	
Nickel	1,400	7,500	NA	312	98	230	79.1	40.6	40.6	194	
Silver	340	10,000	NA	17.4	3.8	1.9	ND	ND	ND	23.5	
Vanadium	470	14,000	0.5	NT	NT	NT	NT	NT	NT	NT	
Zinc	20,000	610,000	NA	288	104	202	116	58.7	58.7	237	
SPLP Metals											
Lead	NA	NA	NA	NT	NT	NT	NT	NT	NT	NT	
USEPA Method 335.2 Total Cyanide	1,400	41,000	NA	NT	NT	ND	ND	ND	ND	NT	
Connecticut Extractable Total Petroleum Hydrocarbons (ETPH)	500	2,500	2,500	NT	NT	230	532	NT	NT	NT	

Notes:

- mg/kg = milligrams per kilogram.
- ppm = Parts per million (comparable to mg/kg).
- NA = Not applicable.
- NC = No criteria established.
- ND = Not detected above the laboratory minimum detection limit.
- NT = Not tested.
- = Concentration exceeds associated criterion.

NOTE: Soils at Sample Locations S-1 and S-2 were removed. Depths at locations PX-GP and HS begin at 2' below grade (i.e., at bottom of excavation now backfilled).
 ADVANCED ENVIRONMENTAL INTERFACE, INC.
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**Comparison of Soil Sample Analyte Concentrations
to DEP Remediation Standard Regulations Numerical Criteria
Former Insilco Factory H Site
77 Cooper Street, Meriden, Connecticut**

Analyte	Direct Exposure Criteria for Soil (mg/kg)		GB	Soil Sample Concentrations (ppm)						
	Residential	Industrial/Commercial		PX-GP-8 (2-3.5') 9-Sep-05	PX-GP-9 (0-0.5') 9-Sep-05	PX-GP-9 (0.5-2') 9-Sep-05	PX-GP-9 (2-3.5') 9-Sep-05	PX-GP-10 (0-0.5') 9-Sep-05	PX-GP-10 (0.5-2') 9-Sep-05	
Depth Below Grade Sampling Date										
USEPA Method 8270C Polynuclear Aromatic Hydrocarbons (PAHs)										
Acenaphthene	1,000	2,500	84	NT	NT	0.037	NT	NT	NT	NT
Acenaphthylene	1,000	2,500	84	NT	NT	0.047	NT	NT	NT	NT
Anthracene	1,000	2,500	400	NT	NT	0.179	NT	NT	NT	NT
Benzo[a]anthracene	1	7.8	1	NT	NT	0.238	NT	NT	NT	NT
Benzo[a]pyrene	1	1	1	NT	NT	0.092	NT	NT	NT	NT
Benzo[b]fluoranthene	1	7.8	1	NT	NT	0.155	NT	NT	NT	NT
Benzo[g,h,i]perylene	1,000	2,500	42	NT	NT	0.181	NT	NT	NT	NT
Benzo[k]fluoranthene	8.4	78	1	NT	NT	0.162	NT	NT	NT	NT
Chrysene	84	780	1	NT	NT	0.392	NT	NT	NT	NT
Dibenz[a,h]anthracene	1	1	1	NT	NT	ND	NT	NT	NT	NT
7H-Dibenzo(c,g)carbazole	NC	NC	NC	NT	NT	0.057	NT	NT	NT	NT
Indeno[1,2,3-cd]pyrene	1	7.8	1	NT	NT	0.195	NT	NT	NT	NT
Fluoranthene	1,000	2,500	56	NT	NT	0.570	NT	NT	NT	NT
Fluorene	1,000	2,500	56	NT	NT	0.037	NT	NT	NT	NT
Naphthalene	1,000	2,500	56	NT	NT	0.055	NT	NT	NT	NT
Phenanthrene	1,000	2,500	40	NT	NT	0.489	NT	NT	NT	NT
Pyrene	1,000	2,500	40	NT	NT	0.552	NT	NT	NT	NT
USEPA Method 8260B GC/MS	NA	NA	NA	NT	NT	NT	NT	NT	NT	NT
USEPA Method 8082 Polychlorinated Biphenyls (PCBs)	1	10	0.005	NT	NT	ND	NT	NT	NT	NT

NOTE: Soils at Sample Locations S-1 and S-2 were removed. Depths at locations PX-GP and HS begin at 2' below grade (i.e., at bottom of excavation now backfilled).
ADVANCED ENVIRONMENTAL INTERFACE, INC.

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Comparison of Soil Sample Analyte Concentrations
to DEP Remediation Standard Regulations Numerical Criteria
Former Insilco Factory H Site
77 Cooper Street, Meriden, Connecticut

Analyte	Direct Exposure Criteria for Soil (mg/kg)		Pollutant Mobility Criteria for Soil (mg/kg)	Soil Sample Concentrations (ppm)						
	Residential	Industrial/Commercial		PX-GP-8 (2-3.5') 9-Sep-05	PX-GP-9 (0-0.5') 9-Sep-05	PX-GP-9 (0.5-2') 9-Sep-05	PX-GP-9 (2-3.5') 9-Sep-05	PX-GP-10 (0-0.5') 9-Sep-05	PX-GP-10 (0.5-2') 9-Sep-05	
Depth Below Grade Sampling Date										
Mass/Total Metals										
Antimony	27	8,200	0.06	NT	NT	NT	NT	NT	NT	NT
Arsenic	10	10	NA	2.9	1.5	37.1	42.5	1.0	4.7	4.7
Barium	4,700	140,000	10.0	NT	NT	NT	NT	NT	NT	NT
Cadmium	34	1,000	0.1	NT	NT	NT	NT	NT	NT	NT
Chromium (total)	NC	NC	0.5	NT	NT	NT	NT	NT	NT	NT
Copper	2,500	76,000	NA	84.9	3,000	5,170	15,100	516	8,600	8,600
Lead	500	1,000	NA	71.6	26.6	223	211	31.8	559	559
Mercury	20	610	0.02	NT	NT	NT	NT	NT	NT	NT
Nickel	1,400	7,500	NA	45.6	651	705	1,250	124	935	935
Silver	340	10,000	NA	1.7	10.7	26.4	34.7	4.0	112	112
Vanadium	470	14,000	0.5	NT	NT	NT	NT	NT	NT	NT
Zinc	20,000	610,000	NA	81.7	492	581	1,660	145	643	643
SPLP Metals										
Lead	NA	NA	NA	NT	NT	NT	NT	NT	NT	NT
USEPA Method 335.2 Total Cyanide	1,400	41,000	NA	NT	NT	ND	NT	NT	NT	NT
Connecticut Extractable Total Petroleum Hydrocarbons (ETPH)	500	2,500	2,500	NT	NT	1,635	NT	NT	NT	NT

Notes:

- mg/kg = milligrams per kilogram.
- ppm = Parts per million (comparable to mg/kg).
- NA = Not applicable.
- NC = No criteria established.
- ND = Not detected above the laboratory minimum detection limit.
- NT = Not tested.
- = Concentration exceeds associated criterion.

NOTE: Soils at Sample Locations S-1 and S-2 were removed. Depths at locations PX-GP and HS begin at 2' below grade (i.e., at bottom of excavation now backfilled).
ADVANCED ENVIRONMENTAL INTERFACE, INC.

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Comparison of Soil Sample Analyte Concentrations
to DEP Remediation Standard Regulations Numerical Criteria
Former Insilco Factory H Site
77 Cooper Street, Meriden, Connecticut

Analyte	Direct Exposure Criteria for Soil (mg/kg)		Pollutant Mobility Criteria for Soil (mg/kg)	Soil Sample Concentrations (ppm)						
	Residential	Industrial/Commercial		PX-GP-10 (2-3.5') 9-Sep-05	PX-GP-11 (0-0.5') 9-Sep-05	PX-GP-11 (0.5-2') 9-Sep-05	PX-GP-11 (2-3.5') 9-Sep-05	PX-GP-12 (0-0.5') 9-Sep-05	PX-GP-12 (0.5-2') 9-Sep-05	
Depth Below Grade			GB							
Sampling Date										
USEPA Method 8270C Polynuclear Aromatic Hydrocarbons (PAHs)										
Acenaphthene	1,000	2,500	84	NT	NT	0.042	ND	NT	NT	NT
Acenaphthylene	1,000	2,500	84	NT	NT	0.030	ND	NT	NT	NT
Anthracene	1,000	2,500	400	NT	NT	0.189	ND	NT	NT	NT
Benzo[a]anthracene	1	7.8	1	NT	NT	0.217	ND	NT	NT	NT
Benzo[a]pyrene	1	1	1	NT	NT	0.060	ND	NT	NT	NT
Benzo[b]fluoranthene	1	7.8	1	NT	NT	0.100	ND	NT	NT	NT
Benzo[g,h,i]perylene	1,000	2,500	42	NT	NT	0.079	ND	NT	NT	NT
Benzo[k]fluoranthene	8.4	78	1	NT	NT	0.082	ND	NT	NT	NT
Chrysene	84	780	1	NT	NT	0.301	ND	NT	NT	NT
Dibenz[a,h]anthracene	1	1	1	NT	NT	ND	ND	NT	NT	NT
7H-Dibenzo(c,g)carbazole	NC	NC	NC	NT	NT	ND	ND	NT	NT	NT
Indeno[1,2,3-cd]pyrene	1	7.8	1	NT	NT	0.073	ND	NT	NT	NT
Fluoranthene	1,000	2,500	56	NT	NT	0.585	ND	NT	NT	NT
Fluorene	1,000	2,500	56	NT	NT	0.089	ND	NT	NT	NT
Naphthalene	1,000	2,500	56	NT	NT	0.080	0.024	NT	NT	NT
Phenanthrene	1,000	2,500	40	NT	NT	0.611	ND	NT	NT	NT
Pyrene	1,000	2,500	40	NT	NT	0.624	ND	NT	NT	NT
USEPA Method 8260B GC/MS	NA	NA	NA	NT	NT	NT	NT	NT	NT	NT
USEPA Method 8082 Polychlorinated Biphenyls (PCBs)	1	10	0.005	NT	NT	ND	ND	NT	NT	NT

NOTE: Soils at Sample Locations S-1 and S-2 were removed. Depths at locations PX-GP and HS begin at 2' below grade (i.e., at bottom of excavation now backfilled).
ADVANCED ENVIRONMENTAL INTERFACE, INC.
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Comparison of Soil Sample Analyte Concentrations
to DEP Remediation Standard Regulations Numerical Criteria
Former Insilco Factory H Site
77 Cooper Street, Meriden, Connecticut

Analyte	Direct Exposure Criteria for Soil (mg/kg)		Pollutant Mobility Criteria for Soil (mg/kg)	Soil Sample Concentrations (ppm)						
	Residential	Industrial/Commercial		PX-GP-10 (2-3.5') 9-Sep-05	PX-GP-11 (0-0.5') 9-Sep-05	PX-GP-11 (0.5-2') 9-Sep-05	PX-GP-11 (2-3.5') 9-Sep-05	PX-GP-12 (0-0.5') 9-Sep-05	PX-GP-12 (0.5-2') 9-Sep-05	
Depth Below Grade			GB							
Sampling Date										
Mass/Total Metals										
Antimony	27	8,200	0.06	NT	NT	NT	NT	NT	NT	NT
Arsenic	10	10	NA	11.1	6.5	4.1	4.7	6.1	2.3	2.3
Barium	4,700	140,000	10.0	NT	NT	NT	NT	NT	NT	NT
Cadmium	34	1,000	0.1	NT	NT	NT	NT	NT	NT	NT
Chromium (total)	NC	NC	0.5	NT	NT	NT	NT	NT	NT	NT
Copper	2,500	76,000	NA	7,200	1,970	1,950	8,830	2,790	5,450	5,450
Lead	500	1,000	NA	470	42.6	35.7	39.7	497	46.7	46.7
Mercury	20	610	0.02	NT	NT	NT	NT	NT	NT	NT
Nickel	1,400	7,500	NA	1,150	355	422	2,900	389	1,520	1,520
Silver	340	10,000	NA	74.3	12.3	1.2	10.8	66.8	4.0	4.0
Vanadium	470	14,000	0.5	NT	NT	NT	NT	NT	NT	NT
Zinc	20,000	610,000	NA	862	344	326	2,810	536	825	825
SPLP Metals										
Lead	NA	NA	NA	NT	NT	NT	NT	NT	NT	NT
USEPA Method 335.2 Total Cyanide	1,400	41,000	NA	NT	NT	ND	ND	NT	NT	NT
Connecticut Extractable Total Petroleum Hydrocarbons (ETPH)	500	2,500	2,500	NT	NT	1,099	3,990	NT	NT	NT

Notes:
 mg/kg = milligrams per kilogram.
 ppm = Parts per million (comparable to mg/kg).
 NA = Not applicable.
 NC = No criteria established.
 ND = Not detected above the laboratory minimum detection limit.
 NT = Not tested.
 = Concentration exceeds associated criterion.
 NOTE: Soils at Sample Locations S-1 and S-2 were removed. Depths at locations PX-GP and HS begin at 2' below grade (i.e., at bottom of excavation now backfilled)

ADVANCED ENVIRONMENTAL INTERFACE, INC.
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**Comparison of Soil Sample Analyte Concentrations
to DEP Remediation Standard Regulations Numerical Criteria
Former Insilco Factory H Site
77 Cooper Street, Meriden, Connecticut**

Analyte	Direct Exposure Criteria for Soil (mg/kg)		Pollutant Mobility Criteria for Soil (mg/kg)	Soil Sample Concentrations (ppm)						
	Residential	Industrial/Commercial		GB	PX-GP-12 (2-3.5') 9-Sep-05	PX-GP-13 (0-0.5') 9-Sep-05	PX-GP-13 (0.5-2') 9-Sep-05	PX-GP-13 (2-3.5') 9-Sep-05	PX-GP-14 (0-0.5') 9-Sep-05	PX-GP-14 (0.5-2') 9-Sep-05
Depth Below Grade										
Sampling Date										
USEPA Method 8270C Polynuclear Aromatic Hydrocarbons (PAHs)										
Acenaphthene	1,000	2,500	84	NT	NT	ND	NT	NT	NT	NT
Acenaphthylene	1,000	2,500	84	NT	NT	ND	NT	NT	NT	NT
Anthracene	1,000	2,500	400	NT	NT	0.260	NT	NT	NT	NT
Benzo[a]anthracene	1	7.8	1	NT	NT	0.290	NT	NT	NT	NT
Benzo[a]pyrene	1	1	1	NT	NT	ND	NT	NT	NT	NT
Benzo[b]fluoranthene	1	7.8	1	NT	NT	ND	NT	NT	NT	NT
Benzo[g,h,i]perylene	1,000	2,500	42	NT	NT	ND	NT	NT	NT	NT
Benzo[k]fluoranthene	8.4	78	1	NT	NT	ND	NT	NT	NT	NT
Chrysene	84	780	1	NT	NT	0.390	NT	NT	NT	NT
Dibenz[a,h]anthracene	1	1	1	NT	NT	ND	NT	NT	NT	NT
7H-Dibenzo(c,g)carbazole	NC	NC	NC	NT	NT	ND	NT	NT	NT	NT
Indeno[1,2,3-cd]pyrene	1	7.8	1	NT	NT	ND	NT	NT	NT	NT
Fluoranthene	1,000	2,500	56	NT	NT	0.780	NT	NT	NT	NT
Fluorene	1,000	2,500	56	NT	NT	ND	NT	NT	NT	NT
Naphthalene	1,000	2,500	56	NT	NT	0.300	NT	NT	NT	NT
Phenanthrene	1,000	2,500	40	NT	NT	0.400	NT	NT	NT	NT
Pyrene	1,000	2,500	40	NT	NT	0.630	NT	NT	NT	NT
USEPA Method 8260B GC/MS	NA	NA	NA	NT						
USEPA Method 8082 Polychlorinated Biphenyls (PCBs)	1	10	0.005	NT	NT	ND	NT	NT	NT	NT

NOTE: Soils at Sample Locations S-1 and S-2 were removed. Depths at locations PX-GP and HS begin at 2' below grade (i.e., at bottom of excavation now backfilled)
ADVANCED ENVIRONMENTAL INTERFACE, INC.
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**Comparison of Soil Sample Analyte Concentrations
to DEP Remediation Standard Regulations Numerical Criteria**

Former Insilco Factory H Site

77 Cooper Street, Meriden, Connecticut

Analyte	Direct Exposure Criteria for Soil (mg/kg)		Pollutant Mobility Criteria for Soil (mg/kg)	Soil Sample Concentrations (ppm)					
	Residential	Industrial/Commercial		PX-GP-12	PX-GP-13	PX-GP-13	PX-GP-13	PX-GP-14	PX-GP-14
Depth Below Grade			GB	(2-3.5') 9-Sep-05	(0-0.5') 9-Sep-05	(0.5-2') 9-Sep-05	(2-3.5') 9-Sep-05	(0-0.5') 9-Sep-05	(0.5-2') 9-Sep-05
Sampling Date									
Mass/Total Metals									
Antimony	27	8,200	0.06	NT	NT	NT	NT	NT	NT
Arsenic	10	10	NA	ND	ND	ND	ND	ND	ND
Barium	4,700	140,000	10.0	NT	NT	NT	NT	NT	NT
Cadmium	34	1,000	0.1	NT	NT	NT	NT	NT	NT
Chromium (total)	NC	NC	0.5	NT	NT	NT	NT	NT	NT
Copper	2,500	76,000	NA	42,300	2,900	2,520	2,850	2,670	4,250
Lead	500	1,000	NA	64.1	186	194	295	433	180
Mercury	20	610	0.02	NT	NT	NT	NT	NT	NT
Nickel	1,400	7,500	NA	10,400	620	608	732	510	950
Silver	340	10,000	NA	14.9	41.5	48.9	40.3	288	75
Vanadium	470	14,000	0.5	NT	NT	NT	NT	NT	NT
Zinc	20,000	610,000	NA	9,620	491	466	625	575	693
SPLP Metals									
Lead	NA	NA	NA	NT	NT	NT	NT	NT	NT
USEPA Method 335.2 Total Cyanide	1,400	41,000	NA	NT	NT	ND	NT	NT	NT
Connecticut Extractable Total Petroleum Hydrocarbons (ETPH)	500	2,500	2,500	NT	NT	1,362	NT	NT	NT

Notes:

- mg/kg = milligrams per kilogram.
- ppm = Parts per million (comparable to mg/kg).
- NA = Not applicable.
- NC = No criteria established.
- ND = Not detected above the laboratory minimum detection limit.
- NT = Not tested.
- = Concentration exceeds associated criterion.

NOTE: Soils at Sample Locations S-1 and S-2 were removed. Depths at locations PX-GP and HS begin at 2' below grade (i.e., at bottom of excavation now backfilled)

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**Comparison of Soil Sample Analyte Concentrations
to DEP Remediation Standard Regulations Numerical Criteria
Former Insilco Factory H Site
77 Cooper Street, Meriden, Connecticut**

Analyte	Direct Exposure Criteria for Soil (mg/kg)		Pollutant Mobility Criteria for Soil (mg/kg)	Soil Sample Concentrations (ppm)						
	Residential	Industrial/Commercial		PX-GP-14 (2-3.5') 9-Sep-05	PX-GP-15 (0-0.5') 9-Sep-05	PX-GP-15 (0.5-2') 9-Sep-05	PX-GP-15 (2-3.5') 9-Sep-05	PX-GP-16 (0-0.5') 9-Sep-05	PX-GP-16 (0.5-2') 9-Sep-05	
Depth Below Grade			GB							
Sampling Date										
USEPA Method 8270C Polynuclear Aromatic Hydrocarbons (PAHs)										
Acenaphthene	1,000	2,500	84	NT	NT	0.013	ND	NT	NT	NT
Acenaphthylene	1,000	2,500	84	NT	NT	0.071	0.047	NT	NT	NT
Anthracene	1,000	2,500	400	NT	NT	0.250	0.149	NT	NT	NT
Benzo[a]anthracene	1	7.8	1	NT	NT	0.389	0.306	NT	NT	NT
Benzo[a]pyrene	1	1	1	NT	NT	0.108	0.090	NT	NT	NT
Benzo[b]fluoranthene	1	7.8	1	NT	NT	0.137	0.151	NT	NT	NT
Benzo[g,h,i]perylene	1,000	2,500	42	NT	NT	0.151	0.101	NT	NT	NT
Benzo[k]fluoranthene	8.4	78	1	NT	NT	0.101	0.121	NT	NT	NT
Chrysene	84	780	1	NT	NT	0.659	0.451	NT	NT	NT
Dibenz[a,h]anthracene	1	1	1	NT	NT	0.059	ND	NT	NT	NT
7H-Dibenzo(c,g)carbazole	NC	NC	NC	NT	NT	ND	ND	NT	NT	NT
Indeno[1,2,3-cd]pyrene	1	7.8	1	NT	NT	0.109	0.132	NT	NT	NT
Fluoranthene	1,000	2,500	56	NT	NT	0.791	0.585	NT	NT	NT
Fluorene	1,000	2,500	56	NT	NT	0.043	0.020	NT	NT	NT
Naphthalene	1,000	2,500	56	NT	NT	0.132	0.115	NT	NT	NT
Phenanthrene	1,000	2,500	40	NT	NT	0.543	0.281	NT	NT	NT
Pyrene	1,000	2,500	40	NT	NT	0.743	0.511	NT	NT	NT
USEPA Method 8260B GC/MS										
USEPA Method 8082 Polychlorinated Biphenyls (PCBs)										
	1	10	0.005	NT	NT	ND	ND	NT	NT	NT

NOTE: Soils at Sample Locations S-1 and S-2 were removed. Depths at locations PX-GP and HS begin at 2' below grade (i.e., at bottom of excavation now backfilled)
ADVANCED ENVIRONMENTAL INTERFACE, INC.

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Comparison of Soil Sample Analyte Concentrations
to DEP Remediation Standard Regulations Numerical Criteria
Former Insilco Factory H Site
77 Cooper Street, Meriden, Connecticut

Analyte	Direct Exposure Criteria for Soil (mg/kg)		Pollutant Mobility Criteria for Soil (mg/kg)	Soil Sample Concentrations (ppm)					
	Residential	Industrial/Commercial		PX-GP-14 (2-3.5') 9-Sep-05	PX-GP-15 (0-0.5') 9-Sep-05	PX-GP-15 (0.5-2') 9-Sep-05	PX-GP-15 (2-3.5') 9-Sep-05	PX-GP-16 (0-0.5') 9-Sep-05	PX-GP-16 (0.5-2') 9-Sep-05
Depth Below Grade			GB						
Sampling Date									
Mass/Total Metals									
Antimony	27	8,200	0.06	NT	NT	NT	NT	NT	NT
Arsenic	10	10	NA	ND	ND	5.7	ND	ND	1.0
Barium	4,700	140,000	10.0	NT	NT	NT	NT	NT	NT
Cadmium	34	1,000	0.1	NT	NT	NT	NT	NT	NT
Chromium (total)	NC	NC	0.5	NT	NT	NT	NT	NT	NT
Copper	2,500	76,000	NA	2,230	2,780	1,760	2,560	622	1,040
Lead	500	1,000	NA	200	383	323	124	20.2	72
Mercury	20	610	0.02	NT	NT	NT	NT	NT	NT
Nickel	1,400	7,500	NA	438	764	379	761	124	308
Silver	340	10,000	NA	20.7	273	22.6	27.9	85.3	133
Vanadium	470	14,000	0.5	NT	NT	NT	NT	NT	NT
Zinc	20,000	610,000	NA	520	777	381	582	201	317
SPLP Metals									
Lead	NA	NA	NA	NT	NT	NT	NT	NT	NT
USEPA Method 335.2 Total Cyanide	1,400	41,000	NA	NT	NT	NT	NT	NT	NT
Connecticut Extractable Total Petroleum Hydrocarbons (ETPH)	500	2,500	2,500	NT	NT	411	458	NT	NT

Notes:
 mg/kg = milligrams per kilogram.
 ppm = Parts per million (comparable to mg/kg).
 NA = Not applicable.
 NC = No criteria established.
 ND = Not detected above the laboratory minimum detection limit.
 NT = Not tested.

Concentration exceeds associated criterion.
 NOTE: Soils at Sample Locations S-1 and S-2 were removed. Depths at locations PX-GP and HS begin at 2' below grade (i.e., at bottom of excavation now backfilled).
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**Comparison of Soil Sample Analyte Concentrations
to DEP Remediation Standard Regulations Numerical Criteria
Former Insilco Factory H Site
77 Cooper Street, Meriden, Connecticut**

Analyte	Direct Exposure Criteria for Soil (mg/kg)		Pollutant Mobility Criteria for Soil (mg/kg)	Soil Sample Concentrations (ppm)					
	Residential	Industrial/Commercial		GB	WW-N-Wall (11') 14-Sep-05	WW-S-Wall (11') 14-Sep-05	UST-Bottom (4.5') 21-Sep-05	UST-N-Wall (4.5') 21-Sep-05	UST-S-Wall (4.5') 21-Sep-05
Depth Below Grade Sampling Date									
USEPA Method 8270C Polynuclear Aromatic Hydrocarbons (PAHs)									
Acenaphthene	1,000	2,500	84	ND	ND	NT	NT	NT	NT
Acenaphthylene	1,000	2,500	84	ND	ND	NT	NT	NT	NT
Anthracene	1,000	2,500	400	ND	ND	NT	NT	NT	NT
Benzo[a]anthracene	1	7.8	1	0.537	0.156	NT	NT	NT	NT
Benzo[a]pyrene	1	1	1	0.432	0.141	NT	NT	NT	NT
Benzo[b]fluoranthene	1	7.8	1	0.176	ND	NT	NT	NT	NT
Benzo[g,h,i]perylene	1,000	2,500	42	ND	ND	NT	NT	NT	NT
Benzo[k]fluoranthene	8.4	78	1	0.171	ND	NT	NT	NT	NT
Chrysene	84	780	1	0.446	0.149	NT	NT	NT	NT
Dibenz[a,h]anthracene	1	1	1	ND	ND	NT	NT	NT	NT
7H-Dibenzo(c,g)carbazole	NC	NC	NC	ND	ND	NT	NT	NT	NT
Indeno[1,2,3-cd]pyrene	1	7.8	1	ND	ND	NT	NT	NT	NT
Fluoranthene	1,000	2,500	56	0.734	0.233	NT	NT	NT	NT
Fluorene	1,000	2,500	56	ND	ND	NT	NT	NT	NT
Naphthalene	1,000	2,500	56	ND	ND	NT	NT	NT	NT
Phenanthrene	1,000	2,500	40	0.177	ND	NT	NT	NT	NT
Pyrene	1,000	2,500	40	0.779	0.258	NT	NT	NT	NT
USEPA Method 8260B GC/MS	NA	NA	NA	ND	ND	ND	ND	ND	ND
USEPA Method 8082 Polychlorinated Biphenyls (PCBs)	1	10	0.005	NT	NT	NT	NT	NT	NT

NOTE: Soils at Sample Locations S-1 and S-2 were removed. Depths at locations PX-GP and HS begin at 2' below grade (i.e., at bottom of excavation, now backfilled).
ADVANCED ENVIRONMENTAL INTERFACE, INC.
AEI-98J-026

Comparison of Soil Sample Analyte Concentrations
to DEP Remediation Standard Regulations Numerical Criteria
Former Insilco Factory H Site
77 Cooper Street, Meriden, Connecticut

Analyte	Direct Exposure Criteria for Soil (mg/kg)		Pollutant Mobility Criteria for Soil (mg/kg)	Soil Sample Concentrations (ppm)					
	Residential	Industrial/Commercial		GB	WW-N-Wall (11') 14-Sep-05	WW-S-Wall (11') 14-Sep-05	UST-Bottom (4.5') 21-Sep-05	UST-N-Wall (4.5') 21-Sep-05	UST-S-Wall (4.5') 21-Sep-05
Depth Below Grade									
Sampling Date									
Mass/Total Metals									
Antimony	27	8,200	0.06	NT	NT	NT	NT	NT	NT
Arsenic	10	10	NA	ND	1.8	NT	NT	NT	NT
Barium	4,700	140,000	10.0	63	165	NT	NT	NT	NT
Cadmium	34	1,000	0.1	ND	ND	NT	NT	NT	NT
Chromium (total)	NC	NC	0.5	15.3	17	NT	NT	NT	NT
Copper	2,500	76,000	NA	101	117	NT	NT	NT	NT
Lead	500	1,000	NA	48.5	22	NT	NT	NT	NT
Mercury	20	610	0.02	0.49	0.05	NT	NT	NT	NT
Nickel	1,400	7,500	NA	23.1	32	NT	NT	NT	NT
Silver	340	10,000	NA	3.5	4.5	NT	NT	NT	NT
Vanadium	470	14,000	0.5	NT	NT	NT	NT	NT	NT
Zinc	20,000	610,000	NA	58.8	58.7	NT	NT	NT	NT
SPLP Metals									
Lead	NA	NA	NA	0.011	0.007	NT	NT	NT	NT
USEPA Method 335.2 Total Cyanide	1,400	41,000	NA	NT	NT	NT	NT	NT	NT
Connecticut Extractable Total Petroleum Hydrocarbons (ETPH)	500	2,500	2,500	ND	ND	159	ND	ND	ND

Notes:

- mg/kg = milligrams per kilogram.
- ppm = Parts per million (comparable to mg/kg).
- NA = Not applicable.
- NC = No criteria established.
- ND = Not detected above the laboratory minimum detection limit.
- NT = Not tested.
- = Concentration exceeds associated criterion.

NOTE: Soils at Sample Locations S-1 and S-2 were removed. Depths at locations PX-GP and HS begin at 2' below grade (i.e., at bottom of excavation now backfilled)

ADVANCED ENVIRONMENTAL INTERFACE, INC.
AEI-98J-026

**Comparison of Soil Sample Analyte Concentrations
to DEP Remediation Standard Regulations Numerical Criteria
Former Insilco Factory H Site
77 Cooper Street, Meriden, Connecticut**

Analyte	Direct Exposure Criteria for Soil (mg/kg)		Pollutant Mobility Criteria for Soil (mg/kg)	Soil Sample Concentrations (ppm)		
	Residential	Industrial/Commercial		UST-E-Wall (4.5')	UST-W-Wall (4.5')	TP-S-1 (2')
Depth Below Grade			GB			TP-S-1
Sampling Date				21-Sep-05	21-Sep-05	30-Sep-05
USEPA Method 8270C Polynuclear Aromatic Hydrocarbons (PAHs)						
Acenaphthene	1,000	2,500	84	NT	NT	NT
Acenaphthylene	1,000	2,500	84	NT	NT	NT
Anthracene	1,000	2,500	400	NT	NT	NT
Benzo[a]anthracene	1	7.8	1	NT	NT	NT
Benzo[a]pyrene	1	1	1	NT	NT	NT
Benzo[b]fluoranthene	1	7.8	1	NT	NT	NT
Benzo[g,h,i]perylene	1,000	2,500	42	NT	NT	NT
Benzo[k]fluoranthene	8.4	78	1	NT	NT	NT
Chrysene	84	780	1	NT	NT	NT
Dibenz[a,h]anthracene	1	1	1	NT	NT	NT
7H-Dibenzo(c,g)carbazole	NC	NC	NC	NT	NT	NT
Indeno[1,2,3-cd]pyrene	1	7.8	1	NT	NT	NT
Fluoranthene	1,000	2,500	56	NT	NT	NT
Fluorene	1,000	2,500	56	NT	NT	NT
Naphthalene	1,000	2,500	56	NT	NT	NT
Phenanthrene	1,000	2,500	40	NT	NT	NT
Pyrene	1,000	2,500	40	NT	NT	NT
USEPA Method 8260B GC/MS						
	NA	NA	NA	ND	ND	NT
USEPA Method 8082 Polychlorinated Biphenyls (PCBs)						
	1	10	0.005	NT	NT	ND

NOTE: Soils at Sample Locations S-1 and S-2 were removed. Depths at locations EX-GP and HS begin at 2' below grade (i.e., at bottom of excavation now backfilled).
ADVANCED ENVIRONMENTAL INTERFACE, INC.
AEI-98J-026

**Comparison of Soil Sample Analyte Concentrations
to DEP Remediation Standard Regulations Numerical Criteria
Former Insilco Factory H Site
77 Cooper Street, Meriden, Connecticut**

Analyte	Direct Exposure Criteria for Soil (mg/kg)		Pollutant Mobility Criteria for Soil (mg/kg)	Soil Sample Concentrations (ppm)		
	Residential	Industrial/Commercial		UST-E-Wall (4.5') 21-Sep-05	UST-W-Wall (4.5') 21-Sep-05	TP-S-1 (2') 30-Sep-05
Mass/Total Metals						
Antimony	27	8,200	0.06	NT	NT	NT
Arsenic	10	10	NA	NT	NT	NT
Barium	4,700	140,000	10.0	NT	NT	NT
Cadmium	34	1,000	0.1	NT	NT	NT
Chromium (total)	NC	NC	0.5	NT	NT	NT
Copper	2,500	76,000	NA	NT	NT	NT
Lead	500	1,000	NA	NT	NT	75.2
Mercury	20	610	0.02	NT	NT	NT
Nickel	1,400	7,500	NA	NT	NT	NT
Silver	340	10,000	NA	NT	NT	NT
Vanadium	470	14,000	0.5	NT	NT	NT
Zinc	20,000	610,000	NA	NT	NT	NT
SPLP Metals						
Lead	NA	NA	NA	NT	NT	NT
USEPA Method 335.2 Total Cyanide	1,400	41,000	NA	NT	NT	NT
Connecticut Extractable Total Petroleum Hydrocarbons (ETPH)	500	2,500	2,500	67	ND	39,900

Notes:

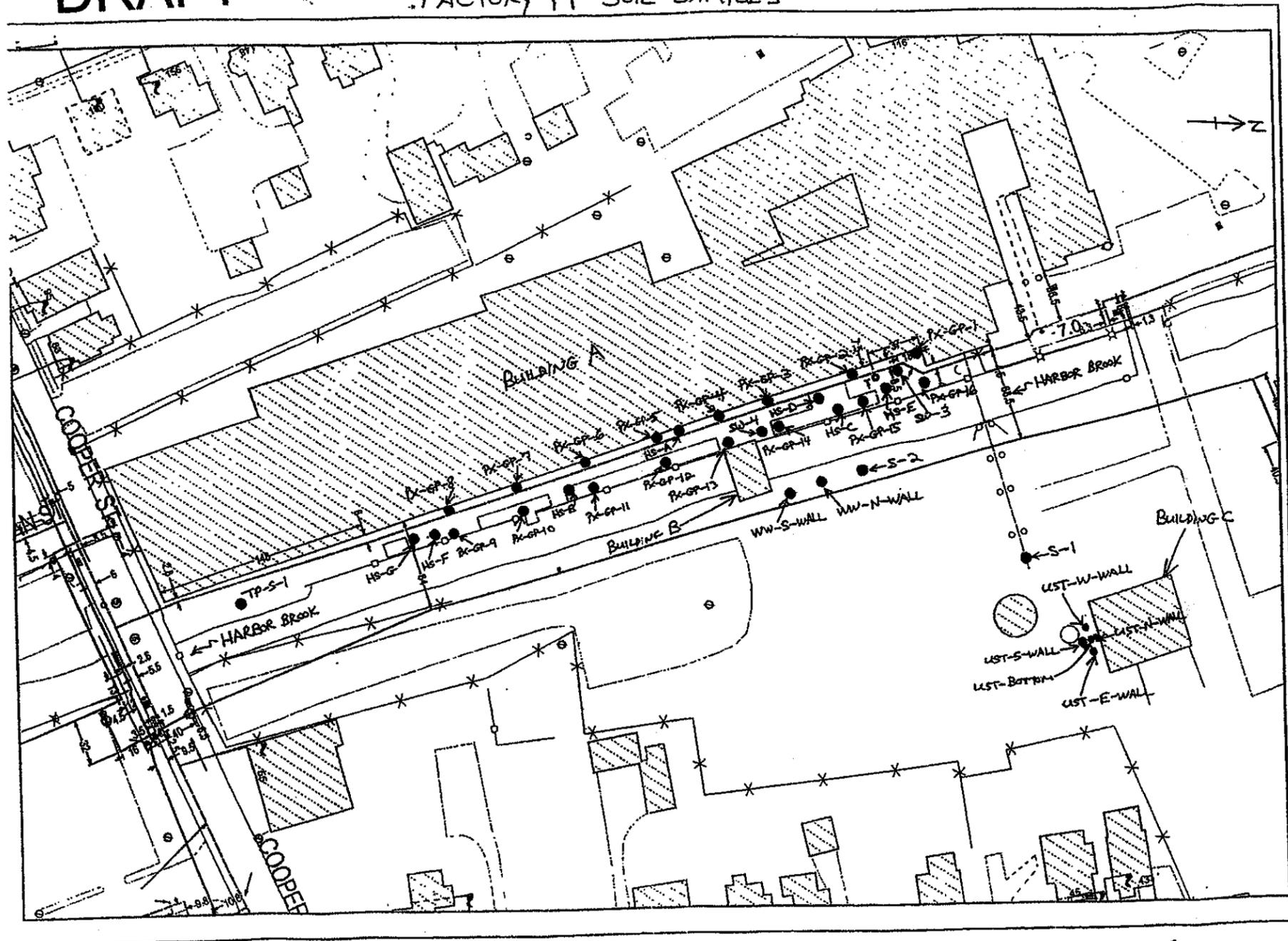
- mg/kg = milligrams per kilogram.
- ppm = Parts per million (comparable to mg/kg).
- NA = Not applicable.
- NC = No criteria established.
- ND = Not detected above the laboratory minimum detection limit.
- NT = Not tested.
- ☐ = Concentration exceeds associated criterion.

NOTE: Soils at Sample Locations S-1 and S-2 were removed. Depths at locations PX-GP and HS begin at 2' below grade (i.e., at bottom of excavation now backfilled).
ADVANCED ENVIRONMENTAL INTERFACE, INC.

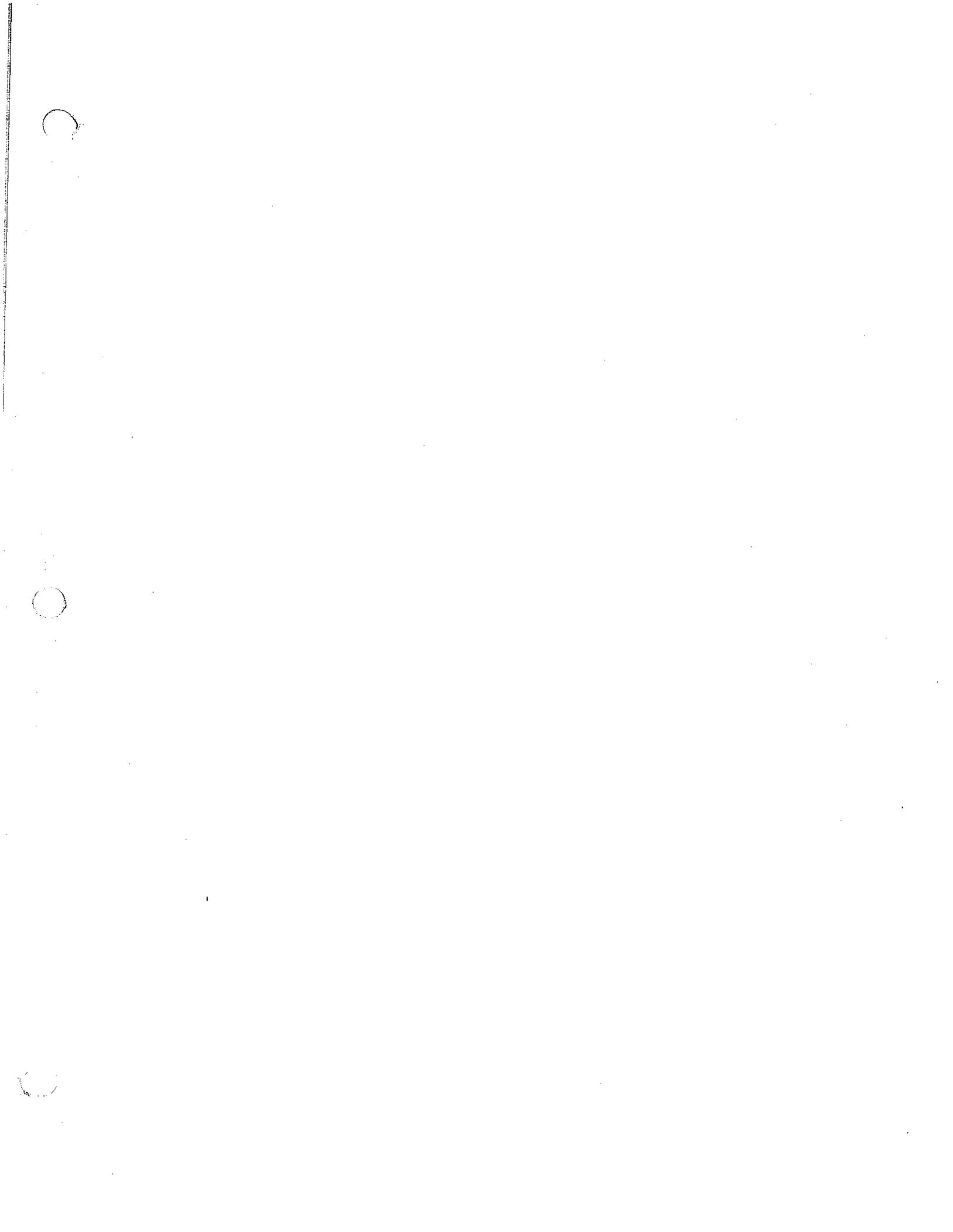
DRAFT

FACTORY H SOIL SAMPLES

DRAFT



● = SOIL SAMPLE LOCATION (APPROX.)





**SUPPLEMENTAL PHASE II
ENVIRONMENTAL SITE EVALUATION
INTERNATIONAL SILVER COMPANY,
FACTORY H SITE
MERIDEN, CONNECTICUT**

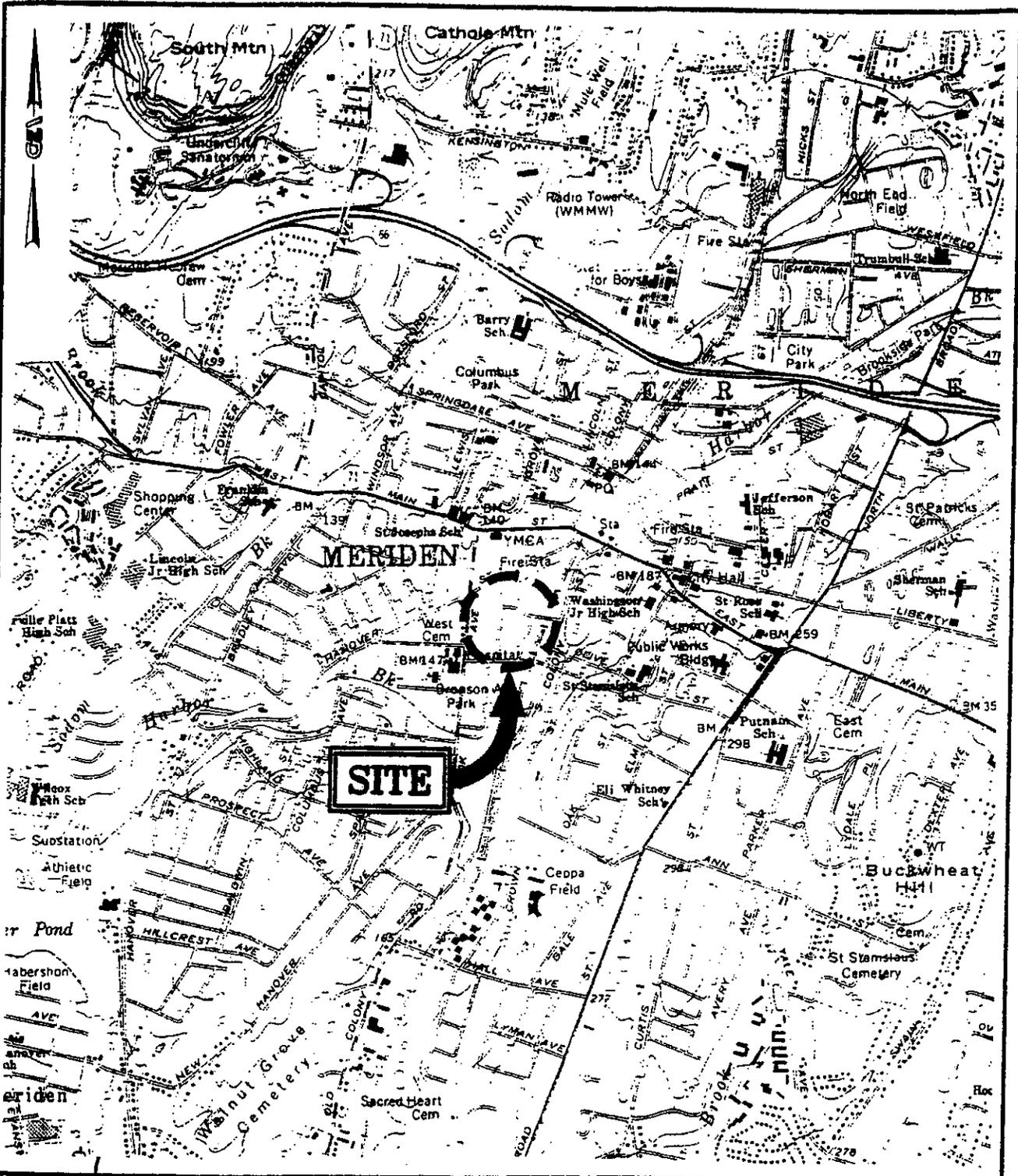
PREPARED FOR:
AMS Advisory Services, Inc.
Lafayette Square
350 Fairfield Avenue
Bridgeport, CT 06604

PAGE 12
DOT well ?

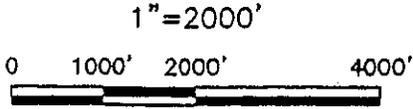
PREPARED BY
GZA GeoEnvironmental, Inc.
27 Naek Road
Vernon, CT 06066

File No. 42381
June 2000

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FILE: G:\42381.H1Z\42381-00.DCS\CADD\H1Z00001.DWG



SOURCE: U.S.G.S. MERIDEN, CT QUADRANGLE MAP (1992)



INSILCO

LOCUS PLAN

MERIDEN, CONNECTICUT

APRIL 5, 2000

FIGURE NO. 1

June 15, 2000
File No. 42381

AMS Advisory Services, Inc.
Lafayette Square
350 Fairfield Avenue
Bridgeport, CT 06604



Attention: Lawrence Kenney

Re: Supplemental Phase II Environmental Site Evaluation
International Silver Company, Factory H Site
Meriden, Connecticut

27 Naek Road
Vernon
Connecticut 06066-3965
860-875-7655
FAX 860-872-2416
<http://www.gza.net>

Dear Mr. Kenney:

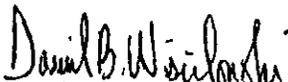
GZA GeoEnvironmental, Inc. (GZA), is pleased to present the results of our Supplemental Environmental Investigation of the above-noted property. The purpose of this study was to supplement previous environmental site assessments by others and to preliminarily evaluate the environmental costs associated with redeveloping the site for light industrial use, including demolition of existing structures. In particular, a survey of Hazardous Building Materials (HBMs) in the existing site structures was performed as part of this study. This report summarizes our findings and conclusions.

We note that additional environmental activities will be required prior to redeveloping the property. These activities include additional site investigations to: 1) determine the presence or absence of contamination at certain potential source areas of contamination, as well as to delineate the extent of contamination at other release areas where the presence of contamination has been previously established; and 2) completion of a Remedial Action Plan.

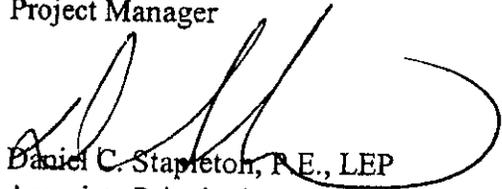
Please call the undersigned if you have any questions. We appreciate the opportunity to assist you with this project.

Very truly yours,

GZA GEOENVIRONMENTAL, INC.


Daniel B. Wisialowski, P.E.
Project Manager


Robert M. Sullivan, P.E.
Consultant/Reviewer


Daniel C. Stapleton, P.E., LEP
Associate Principal

G/42381/REPORT.DOC

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1.00 INTRODUCTION

In accordance with our contract dated January 20, 2000, GZA GeoEnvironmental, Inc., (GZA) has completed a Supplemental Phase II Environmental Site Evaluation of the International Silver Company, Factory H property located in Meriden, Connecticut (Site). The Site has a long history of industrial use and was formerly used for the manufacture of flatware, cutlery, metal finishings and guns. This study included a hazardous building material (HBM) survey, review of certain environmental data collected previously by others, and limited additional investigation of soil and groundwater contamination. The purpose of this study was to preliminarily evaluate environmental costs associated with property redevelopment, and to develop additional environmental data (within the limits of the project budget) for use in the future preparation of a Remedial Action Plan (RAP) for the property. The most significant component of this study was the completion of the HBM survey. Abatement of HBMs is expected to represent a significant redevelopment cost. Previously collected data was inadequate to estimate the cost.



As discussed in detail in this report, additional environmental activities will be required prior to redeveloping the property, likely including: 1) additional site investigation; 2) completion and submittal of the RAP; 3) preparation of construction plans and specifications detailing the mitigation measures presented in the RAP; 4) execution of the RAP in accordance with the plans and specifications; 5) application of Environmental Land Use Restrictions; and 6) verification by a Licensed Environmental Professional (LEP) or the Department of Environmental Protection (DEP) that the Site is in compliance with Connecticut's Remediation Standard Regulations (RSRs).

This report presents the results of our study, including: 1) a description of observed HBMs; 2) a summary of potential contamination source areas and subsurface conditions observed by GZA and others; and 3) a discussion of our preliminary estimate of environmental redevelopment costs. Figure 1 presents a Site Locus. Figure 2 presents a Site Plan, including identification of potential sources areas of contamination (PSAs). Table 1 presents the results of soil and groundwater testing performed by GZA. Table 2 presents our preliminary estimate of premium environmental redevelopment costs. A work plan, detailing recommended environmental site investigation tasks and costs is presented under separate cover.

This report is subject to the limitations presented in Appendix A.

1.10 EXISTING SITE CONDITION

The 7.2-acre property is bisected by Harbor Brook, which flows north to south through the property. Three buildings are currently present on the Site, including an approximately 76,000 square feet (s.f.) four-story brick building (Building A; located west of Harbor Brook); a 900 s.f. two-story, brick, former transformer/electrical building (Building B; located east of Harbor Brook); and an approximately 3,600 s.f., two-story, brick, former



power plant and smokestack (Building C; located east of Harbor Brook). Other structures currently present on the Site include an inactive water tower and 19 cyclone dust collectors. Several aboveground and underground storage tanks are also present.

Building A covers almost the entire portion of the property located west of Harbor Brook. The portion of the property east of Harbor Brook is mostly open. Existing grades west of the brook are at or near elevation 120. Grades east of the brook are also generally at elevation 120, sloping to about elevation 110 at the brook. Areas of fill, including soil, miscellaneous fill and construction debris, are present in portions of the property east of Harbor Brook. The majority of the property is located within the 100-year flood elevation (elevation 122 at the southern portion of the property increasing to about elevation 122.5 at the northern portion of the property).

Groundwater at the property as well as the regional area located downgradient of the Site is classified by the Department of Environmental Protection (DEP) as GB, indicating that it is not suitable as a potable water supply. Harbor Brook is a Class B Inland Surface Water, with a designated use for recreation, fish and wildlife habitat, agriculture and industrial supply and other legitimate uses including navigation.

1.20 PROPOSED DEVELOPMENT

The redevelopment alternative currently being considered includes demolition of the existing buildings and structures and redevelopment of the property for light industrial use, with two to three new buildings. Redevelopment may include acquisition of additional property east of the Site. We understand the Town and the Army Corps of Engineers are also considering using the western portion of the Site as part of a municipal flood control program including the demolition of Building A and the creation of flood storage capacity by excavating the portion of the property west of Harbor Brook to about elevation 112.

1.30 PREVIOUS ENVIRONMENTAL SITE INVESTIGATIONS

Previous environmental investigations of the Site have been performed, resulting in the following documents:

- HRP Associates, Inc., *Site Assessment Report*, 21 June 1988.
- Advanced Environmental Interface, Inc., *Assessment of Site Environmental Conditions Report*, 24 January 1990.
- ICF Kaiser Engineers, Inc., *Underground Storage Tank Sampling Report*, 17 December 1990.
- Roy F. Weston, Inc., *Removal Program Preliminary Assessment/Site Investigation Report*, 22 December 1997.



- ✓ . Roy F. Weston, Inc., *International Silver Co., Factory H, Brownfields Targeted Site Assessment Final Report*, 8 September 1999.
- . Milone & MacBroom, Inc., *Harbor Brook Flood Control Study*, 28 May 1999.
- . Roy F. Weston, Inc., *Cleanup Summary Memorandum for the International Silver Brownfields Targeted Site Assessment*, 23 August 1999.

The previous investigations identified potential source areas of contamination (e.g. underground storage tanks) and included: 1) subsurface investigations, collection and analyses of soil, sediment, groundwater and surface water, and soil gas surveys; 2) limited sampling for asbestos; and 3) limited sampling of existing tanks and 55-gallon drums.

The results of these investigations (except the Milone & MacBroom test results) are summarized in the 1999 Weston report. As presented in this report, approximately 25 known or potential sources of soil and/or groundwater contamination have been identified, including underground storage tanks, above-ground storage tanks, 55-gallon drums, debris and fill piles, baghouse dust piles, stained concrete and soil surfaces, and an extensive area of soil and groundwater contamination. Most of these areas have not yet been fully investigated or characterized.

The results of the previous investigations are discussed in more detail in section 4.00 of this report. Environmental investigations have also been performed at the abutting Veterans Memorial Medical Center. However, we were not successful in obtaining data from those investigations.

2.00 SCOPE OF WORK

GZA performed the following scope of work as part of this study:

Task 1: Hazardous Building Material Surveys

GZA retained EnviroMed, Inc., of New Haven, Connecticut to review available asbestos survey data and perform HBM surveys of the three on-site buildings, including identification of suspect HBMs and estimation of the approximate quantities and abatement costs of these materials.

Task 2: Work Plan and Additional Site Investigation

GZA reviewed the site conditions and environmental data collected previously by others, relative to Connecticut's Remediation Standard Regulations (RSRs). Specifically, GZA reviewed the information presented in the 1999 Weston report and the data collected by Milone & MacBroom. Based on this review, GZA prepared a preliminary scope of work and cost to complete supplemental investigations (presented under separate cover) that will

be necessary to prepare the RAP, evaluate and/or demonstrate compliance with the RSRs, and prepare construction plans and specifications.

Within the funds available for this phase of work, GZA also completed limited additional site investigation, including:



- a site reconnaissance to observe potential source areas of contamination (identified by others during previous site investigations) that may result in premium environmental site development costs; and
- sampling and analyses of: 1) groundwater from an existing site monitoring well; and 2) three shallow soil samples. The groundwater sample was collected using low flow sampling techniques from one of three monitoring wells (MW-3) located within the southern portion of Building A. These wells were installed by Milone & MacBroom, Inc. as part of the Harbor Brook Flood Control Project; we understand that groundwater was never sampled. Limited environmental data is available within Building A. The rationale for the well locations is unknown; however it appears that this is the most easily accessed portion of the building. The groundwater samples were analyzed for total RCRA 8 metals and aromatic and halogenated volatile organic compounds (VOCs). GZA also collected three shallow (0 to 2 feet) soil samples in the vicinity of the dust collectors and a former transformer pad in order to better characterize soil quality at these locations. The soil samples were analyzed for RCRA 8 metals and polychlorinated biphenyls (PCBs).

The results of GZA's sampling program are presented in Table 1.

As noted above, additional site investigation is required; however, the budget for this study did not allow for more investigation to be completed at this time.

Task 3: Estimate of Environmental Costs

Based on the results of Tasks 1 and 2, GZA identified key environmental redevelopment issues and preliminarily estimated environmental costs associated with redevelopment of the property for light industrial reuse.

3.00 RESULTS OF THE HAZARDOUS BUILDING MATERIAL SURVEY

GZA's subcontractor, EnviroMed Services, Inc., performed an inspection of the three on-site buildings to identify the presence of asbestos, lead, and other hazardous materials. If identified at concentrations exceeding acceptable disposal criteria for construction and demolition waste (municipal solid waste), these materials will require abatement prior to building demolition and special disposal requirements.



Based on visual observations made by a state-licensed asbestos inspector, representative samples of materials suspected of containing asbestos were analyzed for asbestos content at EnviroMed's accredited asbestos laboratory. The following asbestos-containing materials were identified in Building A: pipe insulation, elbow and fitting insulation, tank insulation, floor tile and mastic, transite, built-up roofing materials, flashing cement, and window caulk. The following asbestos containing materials were identified in Building B: pipe and fitting insulation, elbow and fitting insulation, built-up roofing (assumed) and flashing cement (assumed). The following asbestos containing materials were identified in Building C: pipe and fitting insulation, rope gasket material, tank insulation, boiler burner caulk, breaching insulation, boiler insulation, built-up roofing, flashing cement, oil tank surfacing, and window glazing. It is noted that fragments and pieces of asbestos containing materials are located on the floor surfaces throughout Buildings A and C.

With regard to possible lead contamination, a direct read spectrum analyzer (x-ray fluorescence analysis or XRF) was used to analyze painted surfaces for the presence of lead at toxic levels, as defined by the Connecticut Lead Regulations. Representative samples of building materials that exceeded the toxic level criteria were sampled and analyzed for lead using the toxicity characteristic leaching procedure (TCLP). The following materials were identified in Building A as having lead TCLP levels requiring disposal as hazardous lead waste: painted wood windows, doors and trim; and painted brick walls. Materials in Buildings B and C were not identified as containing hazardous lead waste.

The following regulated or hazardous materials were also identified in Building A: fluorescent lighting fixture ballasts (potential for PCBs or diethyl hexyl phthalate [DEHP]) fluorescent lamp bulbs, several drums, possible oil residue in a sump pump, residual oil staining on the floor, mercury switches, paint containers, transformers (potential PCBs), dust collector residue, pails of roofing cement, possible corrosive and exhaust residues, and black ash. Fluorescent fixtures (potential PCBs, DEHP, and mercury) were identified in Building B. The following regulated or hazardous materials were also identified in Building C: oil pump, lines, and staining; gas/oil fired furnaces; and fluorescent fixtures (potential PCBs, DEHP and mercury).

Details of the HBM survey are presented in Appendix B. In addition to the identified HBMs, building surfaces impacted by releases of hazardous substances (i.e. PCBs from transformer releases) may be present. The potential for this impact should be investigated prior to building demolition.

Abatement costs are discussed later in this report.

4.00 SUBSURFACE CONDITIONS

4.10 GEOLOGY AND GEOHYDROLOGY

The following briefly discusses the geology and geohydrology at the Site to provide background relative to fate and transport of known or potential contamination at the Site.



4.10.1 Geology

Review of published geologic information for the Meriden Quadrangle indicates that the Site is underlain by stratified drift deposits, generally consisting of sand, silty sand and fine gravel. The stratified drift deposits are underlain by New Haven Arkose bedrock. Regional bedrock structure indicates inclined bedding and stratigraphy, dipping downward from the northwest to the southeast. The "Contour Map of the Bedrock Surface, Meriden Quadrangle; U.S. Department of the Interior Geological Survey; 1976" indicates that the Site is located in a bedrock trough with the elevation of the bedrock surface dipping from the southeast to the northwest. The top of bedrock (relative to Mean Sea Level) at the eastern portion of the Site is indicated to be approximately elevation 75. At the western portion of the Site, the top of bedrock is indicated to be at elevation 50 or lower.

Review of test boring logs prepared by Weston indicate that overburden materials at the Site consist of the following strata:

- up to approximately 7 feet of fill was identified in the logs for borings MW-8 and MW-10. The fill consisted of sand, silt and gravel. A thin layer of coal slag and cinders was noted in MW-10.
- granular soil was observed beneath the fill or ground surface in all of the test borings, extending to the top of bedrock. The soil was predominantly described as fine to medium sand or silty sand.
- a clayey silt layer was observed from a depth of approximately 10 feet to about 30 feet in boring MW-13.

Three Weston borings were advanced to drilling refusal on bedrock, which was encountered at depths of 46 feet (MW-14), 47.5 feet (MW-12) and 63 feet (MW-13).

4.10.2 Geohydrology

Weston completed a groundwater elevation survey for the portion of the Site located east of Harbor Brook. This survey indicates that overburden groundwater east of Harbor Brook flows in a west-southwest direction, towards the brook, with a flow gradient of approximately 0.006.

Groundwater flow direction west of Harbor Brook has not been established. However, based on the relatively flat ground surface and the proximity of Harbor Brook, it is likely that shallow groundwater at this portion of the property flows in an easterly direction, towards Harbor Brook.

Groundwater was typically encountered at depths of 5 to 10 feet below existing ground surface.

Regionally, overburden groundwater from the Site is expected to flow preferentially to the west-southwest along the narrow band of valley train stratified drift deposits, likely discharging to Hanover Pond, located approximately one mile southwest of the Site.

4.20 POTENTIAL AND KNOWN SOURCE AREAS

Numerous potential and known source areas (PSAs) of soil and groundwater contamination have been identified at the Site previously by others. These areas are indicated on Figure 2. Some, but not all, of these areas have been investigated for the presence or absence of contamination. The following, based principally on our review of the 1999 Weston report, briefly discusses each of these areas. This discussion is presented to provide background for our preliminary estimate of environmental redevelopment costs.

4.20.1 Two 1 20,000-Gallon USTs (PSA-1)

Two 20,000-gallon storage tanks are located east of Building C. The tanks have been identified as underground storage tanks in previous site investigation reports. Reportedly, testing by ICF Kaiser Engineers, Inc. (ICF) identified the contents of the tanks as diesel fuel. Constituents of concern with diesel fuel include total petroleum hydrocarbons (TPH) and aromatic VOCs. The tanks were also reportedly pumped out (circa 1990). Discharges from the tanks could potentially have resulted in localized soil contamination, light non-aqueous phase liquids (NAPL) and groundwater contamination. Groundwater contamination would be expected to migrate with groundwater flow towards Harbor Brook. Due to the distance of the tanks from Harbor Brook (200 feet) and the relatively flat groundwater gradient observed at the Site, some natural attenuation of a plume prior to discharge to Harbor Brook would be expected.

No subsurface investigations have been performed at the tank locations to investigate potential releases from the tanks and to determine the presence or absence of contamination. Several subsurface investigations have been performed in the vicinity of the tanks. Findings of these investigations include the following:

- a soil gas survey was performed near the tanks, with soil gas extraction points located north and northeast of the tanks. Low levels of aromatic VOCs, including benzene, toluene and xylenes, were detected in soil gas points located next to the tanks (Weston survey points 1+A50 and 1+A75; see Figure 2).



- hydrocarbon soil staining was observed in a sample collected at the groundwater interface from test boring MW-10 located approximately 20 to 40 feet east [upgradient] of the tanks. Elevated levels of TPH were detected in this soil sample. However, neither aromatic VOCs nor TPH were detected in groundwater collected from this shallow monitoring well.
- neither aromatic VOCs nor TPH were detected in groundwater collected from either a shallow overburden monitoring well (MW-2) or a deep overburden monitoring well (MW-13) located approximately 160 feet west-southwest (downgradient) of the tanks.

Based on the observed soil gas data, it appears that a release of petroleum hydrocarbons has occurred in the vicinity of the tanks, although the tanks have not been confirmed as the source of the observed contamination. Groundwater contamination was not observed in the existing wells; however, no wells have been installed immediately downgradient of the tanks.

4.20.2 One 1,000-Gallon UST (PSA-2)

A 1,000 gallon UST is present at the southeast corner of Building A, adjacent to Harbor Brook. Reportedly, testing by ICF identified the tank contents as kerosene. The tank contents were also reportedly pumped out (circa 1990). Constituents of concern associated with kerosene include aromatic VOCs. Discharges from this tank could result in localized soil contamination, NAPL and groundwater contamination. Due to the proximity of the tank to Harbor Brook, we expect that contaminated groundwater would discharge to Harbor Brook.

No subsurface explorations have been performed at the tank location.

4.20.3 One 10,000-Gallon UST (PSA-3)

A 10,000-gallon UST is located adjacent to and east of Harbor Brook, north of Building B. The tanks were reportedly used for the storage of metal finishing rinse and wastewater. The tank contents, which were tested by Advanced Environmental Interface (AEI) (1990), reportedly contained silver and lead (unknown quantities), and were slightly alkaline. It is not known if the contents of the tank were pumped out. Constituents of concern associated with the wastewater likely include metals and aromatic and halogenated VOCs. Discharge from this tank would likely result in localized areas of soil contamination, and groundwater contamination. Due to the proximity of the tank to Harbor Brook, it is expected that contaminated groundwater would discharge to Harbor Brook.

No subsurface investigations have been performed at the tank location.

4.20.4 UST - South of Building C (PSA-4)

A UST of unknown size is reportedly located south of Building C. ICF identified the contents of the tank as gasoline. Reportedly, the tank was pumped out (circa 1990). Constituents concern associated with gasoline include lead, MTBE and aromatic VOCs.



Discharges from this tank could potentially result in localized soil contamination, light NAPL and groundwater contamination. Similar to the nearby 20,000-gallon diesel fuel tanks, groundwater contamination would be expected to migrate towards Harbor Brook, with some natural attenuation of a groundwater plume.

No subsurface investigations have been performed at or downgradient of the tank.

4.20.5 USTs - Southeast of Building A (PSA-5)

Additional USTs, of unknown size and content, are reportedly located southeast of Building A. The presence of these tanks has not been confirmed.

Due to the proximity of these tanks to Harbor Brook, discharges from these tanks would likely discharge to Harbor Brook.

No subsurface explorations have been performed at the location of these tanks.

4.20.6 USTs - Northeast Side of Building A (PSA-6)

Five fill pipes were observed along the northern end of the east exterior wall of Building A, indicating the possible presence of USTs. The presence of USTs at these locations has not been confirmed.

A soil gas survey was performed by Weston in the general location of the fill pipes. The aromatic hydrocarbons tested (benzene and toluene) were not detected or detected only at trace levels. Elevated concentrations of halogenated hydrocarbons (trichloroethene and tetrachloroethene) were detected, with the highest concentration at soil gas extraction point 5+100. These constituents appear to be widespread in groundwater throughout the Site; their presence in soil gas is as such, not necessarily indicative of a UST release. However, the fact that significantly greater concentrations of these constituents were detected at one location indicates the likelihood of a release at or near this location. Activities at Building A likely utilized substances containing those constituents.

Due to the proximity of these tanks to Harbor Brook, discharges from these tanks would likely discharge to Harbor Brook.

No additional subsurface investigations were performed in the vicinity of the fill pipes.

4.20.7 Two 200-Gallon ASTs (PSA-7)

Two, 200-gallon ASTs are present within Building C. The contents of these tanks are unknown. No indications of a release to the floor, or soil and groundwater were observed in vicinity of these ASTs. Releases from these tanks, for the most part, likely be contained by the existing concrete slab.

No subsurface investigations have been performed at the tank locations.

4.20.8 One 1,500-Gallon AST (PSA-8)

One, 1,500-gallon AST is present within Building C. The contents of the tank are unknown. No indications of the release to the floor, or soil and groundwater were observed in the vicinity of this AST. Releases from this tank would, for the most part, likely be contained by the existing concrete slab.

No subsurface investigations have been performed at the tank location.

4.20.9 Two 300-Gallon ASTs (PSA-9)

Two, 300-gallon ASTs were observed within Building A. The contents of these tanks are unknown, however they appeared to be water tanks. No indications of a release to the floor, or soil and groundwater were observed in the vicinity of these ASTs. Release from these tanks would likely be contained by the existing concrete slab.

No subsurface investigations have been performed at the tank locations.

4.20.10 One 150,000-Gallon Water Tower (PSA-10)

An inactive water tower is located south of Building C. Assuming the historical use of this tank was for storage of clean water, the presence of this tank is not considered by GZA to be of environmental concern.

No subsurface investigations have been performed at the location of the water tower.

4.20.11 Several 55-Gallon Drums (PSA-11)

Four empty drums and 7 partially-filled drums were observed previously by others outside the western wall of Building A, and within the southwest portion of Building A. The contents of four drums (the locations of which drums were tested was not indicated in the Weston report) were tested by AEI. One drum contained sludge with ammonia, iron and zinc. Another drum contained metals contaminated waste oil. The third drum contained metal grinding dust. The fourth drum contained lubricating grease. The drums

outside of Building A were not observed by GZA during a recent site reconnaissance. Two, partially filled drums were observed within Building A. Constituents of concern associated with the documented drum contents would include TPH, aromatic and halogenated (typically chlorinated solvent and degreasing compounds) VOCs, metals and PCBs.



A soil gas survey was completed adjacent to the western exterior wall of Building A, in the vicinity of the exterior drums identified previously by others. Low levels of halogenated VOCs (trichloroethene and tetrachloroethene) were detected in soil gas. These constituents are widespread in groundwater across the Site; therefore, their presence in soil gas at this location is not necessarily an indication of releases from the drums. No other subsurface investigations were performed at the drum locations.

4.20.12 Discharge Pipes (PSA-12)

Several pipes, formerly used to discharge wastewater to Harbor Brook from activities within Building A, were observed. Historical discharges from these pipes is of environmental concern if they resulted in significant residual contamination in sediment or to surfaces that are accessible to direct exposure. To evaluate residual contamination, surface water samples were collected and analyzed by HRP and Weston, and sediment surface water and wipe samples (collected on stained areas of the existing stone river wall) were collected and analyzed by Weston. The results of the analyses are presented in Weston's 1999 report.

Three wipe samples were collected and analyzed for PCBs, Priority Pollutant metals, and cyanide (constituents of concern relative to anticipated historical wastewater discharges from Building A). PCBs and cyanide were not detected. Elevated levels of copper, lead, nickel and zinc were detected in the surface staining. Significant remediation of the staining is not expected to be required.

Three surface water samples were collected by HRP (1988) and analyzed for aromatic and halogenated VOCs, and RCRA 8 metals plus copper and nickel. The results of the metals analyses were not presented in the Weston report. Trichloroethene was detected at concentrations of 1 ppb, 2 ppb and 10 ppb at locations upstream, on-Site and downstream of the Site, respectively.

Three surface water samples were also collected by Weston (1999) and analyzed for aromatic and halogenated VOCs, Priority Pollutant metals and cyanide. Metals and cyanide were not detected. Low levels of the halogenated hydrocarbons trichloroethene and cis, 1,2-dichloroethene were detected at each of the locations at concentrations ranging from about 2 to 5 ppb.

4.20.14 Dust Piles and Contaminated Soil Adjacent to Building A (PSA-14)

A series of 19 cyclone-shaped dust filters are located along the eastern perimeter of Building A. Dust piles are present beneath the filters. One composite sample from the dust piles was collected by HRP (1988) and analyzed for aromatic and halogenated hydrocarbons, Extraction Procedure Toxicity metals plus copper and nickel, and total cyanide. Analytical results for the dust pile composite sample indicated the presence of silver (0.06 ppm), copper (65 ppm) and nickel (46 ppm). HRP also collected composite soil samples from beneath pavement under the dust collectors, and analyzed these for the same constituents. Copper (15 ppm) and nickel (4.2 ppm) were detected in the composite soil samples.

Five dust samples were also collected by Weston (1998) and analyzed for total metals, total cyanide and PCBs. Copper (448,000 ppm), iron (232,000 ppm), zinc (158,000 ppm), nickel (63,600 ppm), chromium (2,610 ppm), manganese (2,030 ppm), silver (558 ppm), lead (498 ppm), barium (171 ppm), cobalt (83.1 ppm), cadmium (53.2 ppm), cyanide (41 ppm) and PCBs (Aroclor 1260-19 ppm) were detected.

GZA (2000) collected additional shallow (0 to 2 feet) soil samples beneath the pavement at three locations between Building A and the dust collectors and analyzed them for total RCRA 8 metals, PCBs and total cyanide. Elevated concentrations of silver, arsenic, chromium, lead were detected. Low levels of PCBs were detected.

4.20.15 Fill Piles (PSAs 15, 16 and 22)

Miscellaneous fill piles are present throughout the Site, including: 1) an approximately 25,000 square foot area of fill located between Buildings B and C; 2) small debris pile containing insulation located south of Building C; and a pile of medical glass slides near the Building loading dock. The fill piles have not been characterized. Based on visual observations indicates that the fill principally consists of soil and construction debris. Some piles reportedly include small amounts of asbestos containing material.

4.20.16 Former Building D and UST Located West of Building D (PSAs 17 and 24)

A building containing a machine shop, a foundry facility and pattern shop was formerly located at the northeast corner of the Site. The building has been demolished and the area regraded. An UST was reportedly located adjacent Building D and may still be present on the Site. The size and contents of the tank are unknown. Based on the manufacturing activities at this location, constituents of concern include aromatic and halogenated VOCs, TPH, metals and cyanide.

Subsurface investigations in the vicinity of former Building D and the UST include an extensive soil gas survey, test borings, shallow and deep overburden monitoring wells and the collection and analysis of soil and groundwater samples.



The soil gas survey identified the presence of halogenated VOCs (in particular tetrachloroethene and trichloroethene). GZA's interpretation of the soil gas survey indicates that there were likely two separate releases of halogenated VOCs, one at the eastern portion of former Building D and one in the vicinity of the UST located west of Building D.



The soil and groundwater sampling and analyses completed to date is not adequate to characterize the release area and plume. However, according to the 1999 Weston memorandum, approximately 14,500 s.f. of soil contaminated with halogenated VOCs is present to a depth of at least 15 feet.

NAPL was not observed in any of the wells in this area. Contaminant concentrations observed in the shallow wells were higher than those observed in the deeper wells.

4.20.17 Building A (PSAs 18, 19, 20, 21 and 23)

Soil and groundwater within and surrounding Building A have not been fully characterized. The 1999 Weston report indicates that details about the specific operations within Building A are unavailable. However, due to the former manufacturing activities, historical releases of hazardous substances and petroleum are possible. Likely constituents of concern include aromatic and halogenated VOCs, TPH, metals, PCBs and cyanide. An approximately 40 s.f. area of stained concrete was observed by others at the north end of Building A. Approximately 30 s.f. of stained wooden floor were observed at the south end of the Building A. Stained soil was also observed east of Building A, between the building and Harbor Brook, and northeast of Building C.

As discussed previously, soil gas surveys were conducted by others, adjacent to the eastern and western exterior building walls. Elevated soil gas concentrations of halogenated VOCs were detected along both sides of the building.

Soil samples were collected from three test borings located within the southern portion of the building (MW-1, 2 and 3) and analyzed for total and SPLP metals and aromatic and halogenated VOCs. Low levels of both aromatic and halogenated VOCs and metals were detected in samples collected from boring MW-3. The results of these analyses are presented in Appendix D. Elevated levels of metals, including arsenic, cadmium, and lead were detected in groundwater in MW-3.

Elevated levels of metals and low levels of PCBs were detected in shallow soil samples in the area between Building A and Harbor Brook (Appendix C).

4.30 COMPARISON TO THE REMEDIATION STANDARD REGULATIONS

In accordance with Section 22a-133k-2 of the RSRs, the criteria that are applicable to the Site for polluted soil include the Direct Exposure Criteria (DEC) and Pollutant Mobility Criteria for a GB groundwater classification area (GBPMC). In accordance with Section 22a-133k-3, the criteria that are applicable to the Site for groundwater include the Volatilization Criteria (VC) and the Surface Water Protection Criteria (SWPC). Section 22a-133k-2(g) applies to the Site relative to the removal of Non-Aqueous Phase Liquids, should these be present.



Numerous potential source areas for contamination have been identified. As discussed previously, many of these have not been investigated for the presence or absence of contamination. Additional investigation of these areas are required. At the remaining source areas, releases have been identified. However, the degree and extent of contamination at these identified releases have not been fully characterized. Therefore, comparison to the RSRs is not possible at this time. However, for the purpose of preliminarily estimating environmental redevelopment costs, we have made the following preliminary comparison of the available data to the RSRs:

- releases of halogenated VOCs to soil and groundwater have been documented in the vicinity of former Building D. Concentrations of these constituents were detected in soil gas and groundwater at concentrations exceeding Volatilization Criteria.
- the halogenated VOC vinyl chloride was also detected in groundwater at the northeastern corner of Building A at concentrations exceeding Volatilization Criteria.
- soil contamination at concentrations exceeding DEC and/or GBPMC is expected at some or all of the potential source areas. Soil testing completed to-date has identified only minor and localized soil contamination.
- sitewide exceedances of the SWPC were not observed. Tetrachloroethene was detected in MW-14 (a deep overburden monitoring well) at concentrations exceeding the numerical criterion. Metals were detected in groundwater at one location at concentrations exceeding the established numerical criteria. (Note that while metals were tested for in all the groundwater samples, most analyses were for dissolved, and not total, metals. Re-analysis of groundwater samples for total metals may indicate additional exceedance of SWPC). Additional investigation is required to evaluate whether the SWPC is exceeded.
- NAPL was not encountered in any of the wells installed on-Site.

4.3.1 Sediment Quality

The RSRs do not provide numerical regulatory criteria relative to sediment quality. Elevated levels of metals have been detected in the Harbor Brook sediment, at upstream and downstream locations. These metals include chromium, copper, lead, nickel and zinc.



Site-specific ecological risk assessments are required to evaluate the impact to the environment due to metals in the brook sediment. Several metals were detected at concentrations which may effect sediment use by benthic organisms. The most significantly impacted sediment was located at a location upstream of the Site.

5.00 ENVIRONMENTAL REDEVELOPMENT COSTS

GZA has completed a preliminary estimate of environmental redevelopment costs. This estimate is based on our review of information collected by others as well as information collected by GZA and GZA's subconsultant during this study. We have assumed that the remedial goal for the Site is compliance with the RSRs. As discussed in previous sections of the report, additional investigation is required to characterize soil and groundwater contamination. Completion of this investigation is required in order to prepare more accurate cost estimates. In particular, based on our review and interpretation of the available information, we have assumed that certain remedial activities (i.e. on-site or off-site groundwater remediation and brook sediment remediation) will not be required. Should it be determined later that these activities are required, the estimated costs presented here will change.

Environmental issues associated with redevelopment include:

- Abatement of hazardous building materials and demolition of the existing structures;
- Removal of existing aboveground and underground storage tanks;
- Removal of existing miscellaneous fill; and
- Remediation or mitigation of polluted soils and groundwater.

GZA's preliminary cost estimate is summarized on Table 2. The estimate assumes the following:

- Additional remedial investigation and design will be required.
- The assumed property redevelopment details were based on the drawing titled, "Industrial Reuse Plan, Cooper Street Project, Meriden, CT," by North American Realty Advisory Services, L.P. For this alternative, approximately 32 percent of the 7.2-acre site is covered by buildings; approximately 42 percent is asphalt parking areas; approximately 16 percent is landscaped; and the remaining 11 percent is the area occupied by Harbor Brook.



- Prior to building demolition, the following materials would require abatement: asbestos containing materials; lead painted windows, doors, walls, and columns; electrical ballasts; fluorescent light tubes; transformers oil; mercury containing switches; oil pump and lines; miscellaneous containers; oil stained surfaces; and residues.
- The 55-gallon drums would be classified and disposed of as hazardous waste.
- The dust piles beneath the dust collectors would also be removed and disposed. For estimating purposes, the dust piles were assumed to be classified as hazardous waste.
- Building demolition costs assume complete building and aboveground structure (i.e., smoke stack and water tower) and foundation removal and off-site disposal of all building materials.
- Storage tank removal includes tank cleaning and soil testing required by the CTDEP and assumes that approximately 1,000 tons of contaminated soil around the tanks will require excavation and off-site disposal. The assumed quantity for off-site disposal is an allowance for all tanks and is assumed to be 50 percent due to TPH contamination and 50 percent due to VOC contamination. Also for estimating purposes, the tanks were assumed to be half full.
- Soil pollution would be managed principally by excavation and recycling/disposal of localized areas of contamination. Regulatory compliance relative to soil contamination would be achieved principally by rendering portions of the property "inaccessible" or "environmentally isolated" through the construction of buildings and/or pavement.
- Based on the information currently available, it was estimated that 5,000 cubic yards of VOC-contaminated soil, 5,000 cubic yards of TPH-contaminated soil and 1,000 cubic yards of metals-contaminated soil will require on-site management, including excavation and replacement on-site. In addition, it was assumed that 500 tons of each soil type will require off-site disposal.
- Some in-situ or on-site ex-situ treatment of VOC-contaminated soil will be required. For cost estimating purposes, we have assumed that the treatment will consist of soil vapor extraction (SVE).
- The topography of the eastern portion of the site has been altered by the placement of miscellaneous fill materials (e.g., soil, stone, and concrete). Based on observation and a recent topographical map of the site, the quantity of stockpiled debris was estimated to be 2,000 cubic yards. It was assumed that this material will be sorted on-site with some material disposed off-site as construction debris.
- It was also assumed that 150 tons of soil and debris from the site would require off-site disposal as hazardous waste.

- Sub-slab venting systems will be incorporated into the construction of the new building to address groundwater contamination that exceeds the SWPC.
- It was assumed that no on-site active groundwater remediation is required.
- It was assumed that no off-site active remediation of groundwater is required.
- It was assumed that no remediation of stream sediment is required.
- Legal and insurance costs were not included.



As indicated on the Table 2, the estimate of premium environmental costs associated with redevelopment of the property is on the order of \$2.8 million (without contingency). We note that this estimate presents our opinion of the likely cost, based on the available information. It does not present the "most conservative cost". This estimate is presented for preliminary planning purposes and is subject to change pending completion of additional site investigation.

TABLE 1

**SUMMARY OF GZA SOIL AND GROUNDWATER DATA
INTERNATIONAL SILVER COMPANY, FACTORY H
MERIDEN, CONNECTICUT
PROJECT NO. 42381**

SOIL

Detected Substance	Units	GZSSW-1	GZSSW-2	GZSSW-3	RES DEC	I/C DEC
		(0.8 to 1.3 ft.)	(1.3 to 1.8 ft.)	(1.0 to 1.5 ft.)		
PCBs (Aroclor 1260)	mg/kg	0.21	NA	0.065	1	10
Metals:						
Silver	mg/kg	154	<5.06	28.6	340	10,000
Arsenic	mg/kg	10.2	2.57	1.88	10	10
Barium	mg/kg	143	56.4	76.2	4,700	140,000
Cadmium	mg/kg	0.626	<0.405	0.963	34	1,000
Chromium	mg/kg	26.3	9.47	36.4	NE	NE
Mercury	mg/kg	0.109	<0.00839	0.0321	20	610
Lead	mg/kg	114	<6.27	53.1	500	1,000
Selenium	mg/kg	<17.2	<14.2	<15.5	340	10,000
Cyanide	mg/kg	4.4	<1.0	<1.0	1,400	41,000

GROUNDWATER

Detected Substance	Units	MW-3			
		06-Apr-00	RES VC	I/C VC	SWPC
Volatile Organic Compounds					
cis-1,2-Dichloroethene	ug/l	1.1	NE	NE	NE
Trichloroethene	ug/l	25	219	540	2,340
Metals:					
Silver	mg/l	<0.007	-	-	0.012
Arsenic	mg/l	0.0338	-	-	0.004
Barium	mg/l	1.55	-	-	NE
Cadmium	mg/l	0.006	-	-	0.006
Chromium	mg/l	0.123	-	-	NE
Mercury	mg/l	<0.0002	-	-	0.0004
Lead	mg/l	0.206	-	-	0.013
Selenium	mg/l	<0.005	-	-	0.05

Notes:

1. RES DEC = Residential Direct Exposure Criteria
2. I/C DEC = Industrial/Commercial Direct Exposure Criteria
3. NE = None Established by the Connecticut DEP
4. NA = Not Analyzed
5. ND = Not Detected
6. Pollution mobility criteria for PCBs and metals require TCLP/SPLP results for comparison. TCLP/SPLP analyses not performed on soil samples.
7. RES VC = Residential Volatilization Criteria
8. I/C VC = Industrial/Commercial Volatilization Criteria
9. SWPC = Surface Water Protection Criteria
10. Bold indicates exceedance of Remediation Standard Regulation Numerical Criterion

**ESTIMATE OF PREMIUM ENVIRONMENTAL REDEVELOPMENT COSTS
INTERNATIONAL SILVER COMPANY, FACTORY H
MERIDEN, CONNECTICUT
PROJECT NO. 42381**

Redevelopment Alternative: Light Industrial Use

Redevelopment information based on "Industrial Reuse Plan, Cooper Street Project, Meriden, CT", by North American Realty Advisory Services, L.P.

Assumed Development Details:

Site Area	Area	Percentage of Site Area
Building Footprints	7.2 acres	32%
Harbor Brook Area	100,000 sf	11%
Landscaped Area	33,000 sf	16%
Paved Area	50,000 sf	42%
	130,632 sf	

Environmental Premium Costs	Units	Quantity	Unit Cost	Cost	Comments and Assumptions	Location (1)
Remedial Investigation and Design						
Environmental Condition Assessment Form	ls	1	\$ 10,000	\$ 10,000		Sitewide
Phase II Environmental Site Assessment	ls	1	\$ 25,000	\$ 25,000	Additional explorations and analyses needed to identify areas of environmental concern.	Sitewide
Phase III Remedial Site Investigation	ls	1	\$ 100,000	\$ 100,000	Additional explorations and analyses needed to delineate and characterize areas of environmental concern.	Sitewide
Phase III Remedial Action Plan (RAP)	ls	1	\$ 25,000	\$ 25,000		Sitewide
Remedial Design (Drawings and Specifications)	ls	1	\$ 120,000	\$ 120,000	Based on five percent of estimated environmental premium construction costs.	Sitewide
Final Remedial Action Report (FRAR)	ls	1	\$ 20,000	\$ 20,000		Sitewide
Remedial Investigation and Design Subtotal						
Building Demolition						
Building A						
Abate asbestos	ls	1	\$ 210,000	\$ 210,000		West
Abate lead containing materials	ls	1	\$ 35,000	\$ 35,000	Includes painted windows, doors, walls, and columns.	West
Abate other hazardous building materials	ls	1	\$ 30,000	\$ 30,000	Includes electrical ballasts, fluorescent light tubes, transformer oil, mercury containing switches, oil stains, containers, and residues in Building A.	West
Remove and dispose dust piles	ls	1	\$ 5,000	\$ 5,000	Includes characterization and off-site disposal as hazardous waste.	West
Demolish buildings and aboveground structures	ls	1	\$ 650,000	\$ 650,000	Includes foundation removal and off-site disposal of all building materials.	West

**ESTIMATE OF PREMIUM ENVIRONMENTAL REDEVELOPMENT COSTS
INTERNATIONAL SILVER COMPANY, FACTORY H
MERIDEN, CONNECTICUT
PROJECT NO. 42381**

Environmental Premium Costs	Units	Quantity	Unit Cost	Cost	Comments and Assumptions	Location (1)
Buildings B and C						
Abate asbestos	ls	1	\$ 87,000	\$ 87,000		East
Abate other hazardous building materials	ls	1	\$ 2,000	\$ 2,000	Includes electrical ballasts, oil stains, oil pump and lines, containers, and residues in Buildings B and C.	East
Demolish buildings and aboveground structures	ls	1	\$ 50,000	\$ 50,000	Includes foundation, smoke stack and water tower removal and off-site disposal of all building materials.	East
Building Demolition Subtotal				\$ 1,069,000		
Storage Tanks Removal						
Remove and dispose USTs & ASTs	ls	1	\$ 52,000	\$ 52,000	Includes tank cleaning and soil testing requirements per CT DEP regulations, does not include contaminated soil excavation or disposal costs. Assumes USTs are half full and off-site disposal of tank contents is required.	West
1,000-gallon kerosene UST					Assumed size of 5,000 gallons.	
7 possible USTs, unknown size and use						
2 300-gallon ASTs, unknown use						
Remove and dispose USTs & ASTs	ls	1	\$ 85,000	\$ 85,000	Includes tank cleaning and soil testing requirements per CT DEP regulations, does not include contaminated soil excavation or disposal costs. Assumes USTs are half full and off-site disposal of tank contents is required.	East
2 20,000-gallon diesel USTs						
10,000-gallon finishing rinse and wastewater UST						
Unknown size gasoline UST					Assumed size of 5,000 gallons.	
1 possible, unknown size and use					Assumed size of 5,000 gallons.	
2 200-gallon ASTs, unknown use						
1,500-gallon AST, unknown use						
Storage Tanks Removal Subtotal				\$ 137,000		
Remedial Compliance Actions						
Contractor PPE	months	2	\$ 2,500	\$ 5,000	5 workers per day at \$25 per worker	Site-wide
Decontamination area	months	2	\$ 7,500	\$ 15,000	Includes construction, maintenance, equipment, and labor	East
Remove dry well and dispose	ls	1	\$ 5,000	\$ 5,000	Includes characterization and off-site disposal.	Site-wide
Excavate contaminated soil	cy	550	\$ 4.00	\$ 2,200	Polluted soil excavated as part of tank removal activities. Assumed 20 cy per UST.	East
Place clean soil	cy	550	\$ 20	\$ 11,000		Site-wide
Pavement premium	sy	14,500	\$ 1	\$ 14,500	An additional 0.5 inch of pavement needed to meet the RSRs.	Site-wide
Install subslab venting system	sf	100,000	\$ 1	\$ 100,000		Site-wide
Remediation and health and safety oversight	months	2	\$ 25,000	\$ 50,000	One person full time, includes monitoring equipment and PPE.	Site-wide

TABLE 2
 ESTIMATE OF PREMIUM ENVIRONMENTAL REDEVELOPMENT COSTS
 INTERNATIONAL SILVER COMPANY, FACTORY H
 MERIDEN, CONNECTICUT
 PROJECT NO. 42381

COST SUMMARY (with rounded values)	
Remedial Investigation and Design	\$ 300,000
Building Demolition	\$ 1,100,000
Storage Tanks Removal	\$ 150,000
Remedial Compliance Actions	\$ 1,200,000
Related Costs	\$ 65,000
Subtotal	\$ 2,800,000
Contingency (10 percent)	\$ 280,000
Total	\$ 3,100,000

- Notes:
1. Location refers to west or east of Harbor Brook, sitewide, or the brook itself.
 2. Asbestos and hazardous building material abatement cost estimates provided by GZA's subconsultant, EnviroMed Services, Inc.
 3. Building demolition cost estimates based on preliminary contractor estimate and experience on previous projects.





DEP Geoprobe Boring Locations
International Silver Company, Factory H Site Vicinity
Meriden, Connecticut

Prepared by Connecticut Department of Environmental Protection
Site Assessment and Support Unit, February 20, 2007

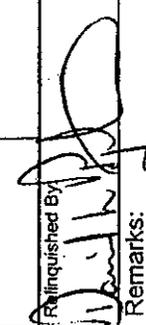
- Notes:
1. Aerial Photograph obtained from City of Meriden GIS Department, dated 2005.
 2. Geoprobe investigation performed by DEP Site Assessment and Support Unit on January 16, 2007
 3. Geoprobe positions located by screen digitizing.
 4. Not to scale.



CHAIN OF CUSTODY RECORD

Connecticut Department of Environmental Protection
 Bureau of Waste Management
 Emergency Response and Spill Prevention Division
 79 Elm Street, Hartford, CT 06106

Mailing Address: Peter D. Zack, DEP Site Assessment and Support Unit, 79 Elm St., Hartford, CT 06106

Project Name		Project Address:		Project Contact Name:		Sample Location/Media		No. & Type of Cont.		Tests/Comments		PID Reading	
Lab No.	Collector's No.	Date	Time	Sample Location/Media	No. & Type of Cont.	Tests/Comments	PID Reading						
01160701	DP0412	1-16-07	1030hrs	FIELD Blanks	AIR(D)TERRIAL	VOC'S	—						
01160702	DP0417	1-16-07	1030hrs	FIELD Blanks	WATER & VOA'S	VOC'S	—						
01160703	DP0413	1-16-07	1100hrs	GP 1A # 43	1 TERRIAL	VOC'S	0.0						
01160704	DP0418	1-16-07	1155hrs	GP 1	3 VOA'S	VOC'S	5.14						
01160705	DP0419	1-16-07	1130hrs	GP 2 former Machine shop	3 VOA'S	VOC'S							
01160706	DP0415	1-16-07	1155hrs	GP 3	1 TERRIAL	VOC'S							
01160707	DP0416	1-16-07	1230hrs	GP 3A	3 VOA'S	VOC'S							
Relinquished By:  Date: 1/16/07 Time: 1240 Received By:  Date: _____ Time: _____ Relinquished By: _____ Date: _____ Time: _____ Received By: _____ Date: _____ Time: _____ Turnaround: _____ Rush <input type="checkbox"/> 3 Days <input type="checkbox"/>													
Remarks: _____ Continue on the reverse side for more required information.													

NARRATIVE NOTE

To: Frank Bartolomeo

From: Jianping "JP" Chen
Mobile Laboratory
CTDEP

Jianping Chen
1/18/07

Subject: VOC Field Analysis by GC/MS for sample batch: 1/16/2007
Project: Factory H.- Insilco, Cherry St., Meriden, CT

* The concentration for tetrachloroethene for sample DP0418 was estimated due to over the quantitation limit for preserving the low concentration of the other target compounds.

Let me know if you have any questions regarding this report.

1/17/2007

Mobile Laboratory
Connecticut State Department of Environmental Protection

Volatile Organic Compounds

(VOC Field Analysis By GC-MSD)

Sample ID:	DP0417	Sample Deliverer:	David Poynton
Sample Description:	Field Blank	Date Collected:	1/16/2007
Lab ID:	1160702	Date Received:	1/16/2007
Matrix:	Water	Date Prepared:	1/17/2007
Project:	Factory H.-Insilco	Date Analyzed:	1/17/2007 11:41
Site Location:	Cherry St. Meriden, CT	Date Reported:	1/17/2007
		Data File:	01170704.D

GC/MS Index #	Name	CAS Number	Concentration (µg/L)	PQL
2)	Dichlorodifluoromethane	75-71-8	ND	2
3)	Chloromethane	74-87-3	ND	2
4)	Chloroethene(Vinyl Chloride)	75-01-4	ND	2
5)	Bromomethane	74-83-9	ND	2
6)	Chloroethane	75-00-3	ND	2
7)	Trichlorofluoromethane	75-69-4	ND	2
8)	Acrolein (2-Propenal)	107-02-8	ND	10
9)	1,1-Dichloroethene	75-35-4	ND	2
10)	Acetone	67-64-1	ND	10
11)	Dichloromethane	75-09-2	ND	5
12)	Methyl-t-butyl ether (MTBE)	01634-04-4	ND	2
13)	(trans)-1,2-Dichloroethene	156-60-5	ND	2
14)	Acrylonitrile	107-13-1	ND	10
15)	1,1-Dichloroethane	75-34-3	ND	2
16)	Methyl Ethyl Ketone (MEK)	78-93-3	ND	10
17)	(cis)-1,2-Dichloroethene	156-59-2	ND	2
18)	2,2-Dichloropropane	594-20-7	ND	2
19)	Bromochloromethane	74-97-5	ND	2
20)	Chloroform	67-66-3	ND	2
22)	1,1,1-Trichloroethane	71-55-6	ND	2
23)	1,1-Dichloropropene	563-58-6	ND	2
24)	Tetrachloromethane	56-23-5	ND	2
26)	Benzene	71-43-2	ND	2
27)	1,2-Dichloroethane	107-06-2	ND	2
28)	Trichloroethene	79-01-6	ND	2
29)	1,2-Dichloropropane	78-87-5	ND	2
30)	Dibromomethane	74-95-3	ND	2
31)	Bromodichloromethane	75-27-4	ND	2
32)	2-Hexanone	591-78-6	ND	10
33)	(cis)-1,3-Dichloropropene	10061-01-5	ND	2
34)	4-Methyl-2-pentanone (MIBK)	108-10-1	ND	10
37)	Toluene	108-88-3	ND	2
38)	(trans)-1,3-Dichloropropene	10061-02-6	ND	2
39)	1,1,2-Trichloroethane	79-00-5	ND	2
40)	Tetrachloroethene	127-18-4	ND	2
41)	1,3-Dichloropropane	142-28-9	ND	2
42)	Dibromochloromethane	124-48-1	ND	2

43)	1,2-Dibromoethane	106-93-4	ND	2
44)	Chlorobenzene	108-90-7	ND	2
45)	1,1,1,2-Tetrachloroethane	630-20-6	ND	2
46)	Ethylbenzene	100-41-4	ND	2
47)	m-Xylene + p-Xylene	108-38-3	ND	2
48)	o-Xylene	95-47-6	ND	2
49)	Styrene	100-42-5	ND	2
50)	Bromoform	75-25-2	ND	2
51)	iso-Propylbenzene	98-82-8	ND	2
53)	1,1,2,2-Tetrachloroethane	79-34-5	ND	2
54)	Bromobenzene	108-86-1	ND	2
55)	1,2,3-Trichloropropane	96-18-4	ND	10
56)	n-Propylbenzene	103-65-1	ND	2
57)	2-Chlorotoluene	95-49-8	ND	2
58)	1,3,5-Trimethylbenzene	108-67-8	ND	2
59)	4-Chlorotoluene	106-43-4	ND	2
60)	tert-Butylbenzene	98-06-9	ND	2
61)	1,2,4-Trimethylbenzene	95-63-6	ND	2
62)	sec-Butylbenzene	135-98-8	ND	2
63)	4-iso-Propyltoluene	99-87-6	ND	2
64)	1,3-Dichlorobenzene	541-73-1	ND	2
65)	1,4-Dichlorobenzene	106-46-7	ND	2
66)	n-Butylbenzene	104-51-8	ND	2
67)	1,2-Dichlorobenzene	95-50-1	ND	2
68)	1,2-Dibromo-3-chloropropane	96-12-8	ND	10
69)	1,2,4-Trichlorobenzene	120-82-1	ND	2
70)	Hexachlorobutadiene	87-68-3	ND	2
71)	Naphthalene	91-20-3	ND	2
72)	1,2,3-Trichlorobenzene	87-61-6	ND	2
73)	Ethyl ether (Diethyl ether)	60-29-7	ND	2
74)	tert-Butanol (TBA, 2-Methyl 2-Propanol)	75-65-0	ND	12
75)	Diisopropyl ether (DIPE, Isopropyl ether)	108-20-3	ND	2
76)	Ethyl-tert-butyl ether (ETBE)	637-92-3	ND	2
77)	tert-Amyl methyl ether (TAME)	994-05-8	ND	2
78)	2-Pentanone	107-87-9	ND	2
79)	Ethanol	64-17-5	ND	710

Tentative Identified Compound

Retention Time (min)	Name	CAS No.	Est. Conc. (µg/L)
None			

PQL = practical quantitation limit

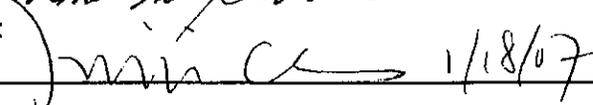
ND = none detected

Tentative Identified Compound = Identified by compare the mass spectrum to the computer database, for reference only.

Est. Conc. (µg/L) = estimated concentration

Reviewed by: 

Approved by: JP Chen (Director, Mobile Laboratory)

Date:  1/18/07

Mobile Laboratory
Connecticut State Department of Environmental Protection

Volatile Organic Compounds

(VOC Field Analysis By GC-MSD)

Sample ID:	DP0416	Sample Deliverer:	David Poynton
Sample Description:	GP3A	Date Collected:	1/16/2007
Lab ID:	1160707	Date Received:	1/16/2007
Matrix:	Water	Date Prepared:	1/17/2007
Project:	Factory H.-Insilco	Date Analyzed:	1/17/2007 12:29
Site Location:	Cherry St. Meriden, CT	Date Reported:	1/17/2007
		Data File:	01170706.D

GC/MS Index #	Name	CAS Number	Concentration (µg/L)	PQL
2)	Dichlorodifluoromethane	75-71-8	ND	2
3)	Chloromethane	74-87-3	ND	2
4)	Chloroethene(Vinyl Chloride)	75-01-4	ND	2
5)	Bromomethane	74-83-9	ND	2
6)	Chloroethane	75-00-3	ND	2
7)	Trichlorofluoromethane	75-69-4	ND	2
8)	Acrolein (2-Propenal)	107-02-8	ND	10
9)	1,1-Dichloroethene	75-35-4	ND	2
10)	Acetone	67-64-1	ND	10
11)	Dichloromethane	75-09-2	ND	5
12)	Methyl-t-butyl ether (MTBE)	01634-04-4	ND	2
13)	(trans)-1,2-Dichloroethene	156-60-5	ND	2
14)	Acrylonitrile	107-13-1	ND	10
15)	1,1-Dichloroethane	75-34-3	ND	2
16)	Methyl Ethyl Ketone (MEK)	78-93-3	ND	10
17)	(cis)-1,2-Dichloroethene	156-59-2	ND	2
18)	2,2-Dichloropropane	594-20-7	ND	2
19)	Bromochloromethane	74-97-5	ND	2
20)	Chloroform	67-66-3	ND	2
22)	1,1,1-Trichloroethane	71-55-6	ND	2
23)	1,1-Dichloropropene	563-58-6	ND	2
24)	Tetrachloromethane	56-23-5	ND	2
26)	Benzene	71-43-2	ND	2
27)	1,2-Dichloroethane	107-06-2	ND	2
28)	Trichloroethene	79-01-6	3	2
29)	1,2-Dichloropropane	78-87-5	ND	2
30)	Dibromomethane	74-95-3	ND	2
31)	Bromodichloromethane	75-27-4	ND	2
32)	2-Hexanone	591-78-6	ND	10
33)	(cis)-1,3-Dichloropropene	10061-01-5	ND	2
34)	4-Methyl-2-pentanone (MIBK)	108-10-1	ND	10
37)	Toluene	108-88-3	ND	2
38)	(trans)-1,3-Dichloropropene	10061-02-6	ND	2
39)	1,1,2-Trichloroethane	79-00-5	ND	2
40)	Tetrachloroethene	127-18-4	5	2
41)	1,3-Dichloropropane	142-28-9	ND	2
42)	Dibromochloromethane	124-48-1	ND	2

Mobile Laboratory
Connecticut State Department of Environmental Protection

Volatile Organic Compounds

(VOC Field Analysis By GC-MSD)

Sample ID:	DP0418	Sample Deliverer:	David Poynton
Sample Description:	GP1	Date Collected:	1/16/2007
Lab ID:	1160704	Date Received:	1/16/2007
Matrix:	Water	Date Prepared:	1/17/2007
Project:	Factory H.-Insilco	Date Analyzed:	1/17/2007 12:53
Site Location:	Cherry St. Meriden, CT	Date Reported:	1/17/2007
		Data File:	01170707.D

GC/MS Index #	Name	CAS Number	Concentration (µg/L)	PQL
2)	Dichlorodifluoromethane	75-71-8	ND	2
3)	Chloromethane	74-87-3	ND	2
4)	Chloroethene(Vinyl Chloride)	75-01-4	ND	2
5)	Bromomethane	74-83-9	ND	2
6)	Chloroethane	75-00-3	ND	2
7)	Trichlorofluoromethane	75-69-4	ND	2
8)	Acrolein (2-Propenal)	107-02-8	ND	10
9)	1,1-Dichloroethene	75-35-4	ND	2
10)	Acetone	67-64-1	ND	10
11)	Dichloromethane	75-09-2	ND	5
12)	Methyl-t-butyl ether (MTBE)	01634-04-4	ND	2
13)	(trans)-1,2-Dichloroethene	156-60-5	2	2
14)	Acrylonitrile	107-13-1	ND	10
15)	1,1-Dichloroethane	75-34-3	ND	2
16)	Methyl Ethyl Ketone (MEK)	78-93-3	ND	10
17)	(cis)-1,2-Dichloroethene	156-59-2	40	2
18)	2,2-Dichloropropane	594-20-7	ND	2
19)	Bromochloromethane	74-97-5	ND	2
20)	Chloroform	67-66-3	ND	2
22)	1,1,1-Trichloroethane	71-55-6	ND	2
23)	1,1-Dichloropropene	563-58-6	ND	2
24)	Tetrachloromethane	56-23-5	ND	2
26)	Benzene	71-43-2	ND	2
27)	1,2-Dichloroethane	107-06-2	ND	2
28)	Trichloroethene	79-01-6	91	2
29)	1,2-Dichloropropane	78-87-5	ND	2
30)	Dibromomethane	74-95-3	ND	2
31)	Bromodichloromethane	75-27-4	ND	2
32)	2-Hexanone	591-78-6	ND	10
33)	(cis)-1,3-Dichloropropene	10061-01-5	ND	2
34)	4-Methyl-2-pentanone (MIBK)	108-10-1	ND	10
37)	Toluene	108-88-3	ND	2
38)	(trans)-1,3-Dichloropropene	10061-02-6	ND	2
39)	1,1,2-Trichloroethane	79-00-5	ND	2
40)	Tetrachloroethene	127-18-4	825	2
41)	1,3-Dichloropropane	142-28-9	ND	2
42)	Dibromochloromethane	124-48-1	ND	2

43)	1,2-Dibromoethane	106-93-4	ND	2
44)	Chlorobenzene	108-90-7	ND	2
45)	1,1,1,2-Tetrachloroethane	630-20-6	ND	2
46)	Ethylbenzene	100-41-4	ND	2
47)	m-Xylene + p-Xylene	108-38-3	ND	2
48)	o-Xylene	95-47-6	ND	2
49)	Styrene	100-42-5	ND	2
50)	Bromoform	75-25-2	ND	2
51)	iso-Propylbenzene	98-82-8	ND	2
53)	1,1,1,2-Tetrachloroethane	79-34-5	ND	2
54)	Bromobenzene	108-86-1	ND	2
55)	1,2,3-Trichloropropane	96-18-4	ND	10
56)	n-Propylbenzene	103-65-1	ND	2
57)	2-Chlorotoluene	95-49-8	ND	2
58)	1,3,5-Trimethylbenzene	108-67-8	ND	2
59)	4-Chlorotoluene	106-43-4	ND	2
60)	tert-Butylbenzene	98-06-9	ND	2
61)	1,2,4-Trimethylbenzene	95-63-6	ND	2
62)	sec-Butylbenzene	135-98-8	ND	2
63)	4-iso-Propyltoluene	99-87-6	ND	2
64)	1,3-Dichlorobenzene	541-73-1	ND	2
65)	1,4-Dichlorobenzene	106-46-7	ND	2
66)	n-Butylbenzene	104-51-8	ND	2
67)	1,2-Dichlorobenzene	95-50-1	ND	2
68)	1,2-Dibromo-3-chloropropane	96-12-8	ND	10
69)	1,2,4-Trichlorobenzene	120-82-1	ND	2
70)	Hexachlorobutadiene	87-68-3	ND	2
71)	Naphthalene	91-20-3	ND	2
72)	1,2,3-Trichlorobenzene	87-61-6	ND	2
73)	Ethyl ether (Diethyl ether)	60-29-7	ND	2
74)	tert-Butanol (TBA, 2-Methyl 2-Propanol)	75-65-0	ND	12
75)	Diisopropyl ether (DIPE, Isopropyl ether)	108-20-3	ND	2
76)	Ethyl-tert-butyl ether (ETBE)	637-92-3	ND	2
77)	tert-Amyl methyl ether (TAME)	994-05-8	ND	2
78)	2-Pentanone	107-87-9	ND	2
79)	Ethanol	64-17-5	ND	710

Tentative Identified Compound

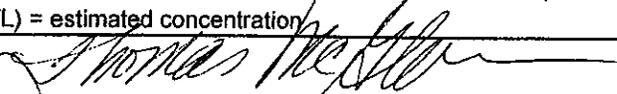
Retention Time (min)	Name	CAS No.	Est. Conc. (µg/L)
None			

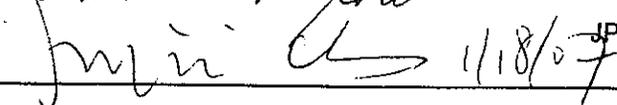
PQL = practical quantitation limit

ND = none detected

Tentative Identified Compound = Identified by compare the mass spectrum to the computer database, for reference only.

Est. Conc. (µg/L) = estimated concentration

Reviewed by: 

Approved by:  JP Chen (Director, Mobile Laboratory)

Date:

Mobile Laboratory
Connecticut State Department of Environmental Protection

Volatile Organic Compounds

(VOC Field Analysis By GC-MSD)

Sample ID:	DP0419	Sample Deliverer:	David Poynton
Sample Description:	GP2	Date Collected:	1/16/2007
Lab ID:	1160705	Date Received:	1/16/2007
Matrix:	Water	Date Prepared:	1/17/2007
Project:	Factory H.-Insilco	Date Analyzed:	1/17/2007 12:06
Site Location:	Cherry St. Meriden, CT	Date Reported:	1/17/2007
		Data File:	01170705.D

GC/MS Index #	Name	CAS Number	Concentration (µg/L)	PQL
2)	Dichlorodifluoromethane	75-71-8	ND	2
3)	Chloromethane	74-87-3	ND	2
4)	Chloroethene(Vinyl Chloride)	75-01-4	ND	2
5)	Bromomethane	74-83-9	ND	2
6)	Chloroethane	75-00-3	ND	2
7)	Trichlorofluoromethane	75-69-4	ND	2
8)	Acrolein (2-Propenal)	107-02-8	ND	10
9)	1,1-Dichloroethene	75-35-4	ND	2
10)	Acetone	67-64-1	ND	10
11)	Dichloromethane	75-09-2	ND	5
12)	Methyl-t-butyl ether (MTBE)	01634-04-4	ND	2
13)	(trans)-1,2-Dichloroethene	156-60-5	ND	2
14)	Acrylonitrile	107-13-1	ND	10
15)	1,1-Dichloroethane	75-34-3	ND	2
16)	Methyl Ethyl Ketone (MEK)	78-93-3	ND	10
17)	(cis)-1,2-Dichloroethene	156-59-2	ND	2
18)	2,2-Dichloropropane	594-20-7	ND	2
19)	Bromochloromethane	74-97-5	ND	2
20)	Chloroform	67-66-3	ND	2
22)	1,1,1-Trichloroethane	71-55-6	ND	2
23)	1,1-Dichloropropene	563-58-6	ND	2
24)	Tetrachloromethane	56-23-5	ND	2
26)	Benzene	71-43-2	ND	2
27)	1,2-Dichloroethane	107-06-2	ND	2
28)	Trichloroethene	79-01-6	18	2
29)	1,2-Dichloropropane	78-87-5	ND	2
30)	Dibromomethane	74-95-3	ND	2
31)	Bromodichloromethane	75-27-4	ND	2
32)	2-Hexanone	591-78-6	ND	10
33)	(cis)-1,3-Dichloropropene	10061-01-5	ND	2
34)	4-Methyl-2-pentanone (MIBK)	108-10-1	ND	10
37)	Toluene	108-88-3	ND	2
38)	(trans)-1,3-Dichloropropene	10061-02-6	ND	2
39)	1,1,2-Trichloroethane	79-00-5	ND	2
40)	Tetrachloroethene	127-18-4	ND	2
41)	1,3-Dichloropropane	142-28-9	ND	2
42)	Dibromochloromethane	124-48-1	ND	2

43)	1,2-Dibromoethane	106-93-4	ND	2
44)	Chlorobenzene	108-90-7	ND	2
45)	1,1,1,2-Tetrachloroethane	630-20-6	ND	2
46)	Ethylbenzene	100-41-4	ND	2
47)	m-Xylene + p-Xylene	108-38-3	ND	2
48)	o-Xylene	95-47-6	ND	2
49)	Styrene	100-42-5	ND	2
50)	Bromoform	75-25-2	ND	2
51)	iso-Propylbenzene	98-82-8	ND	2
53)	1,1,2,2-Tetrachloroethane	79-34-5	ND	2
54)	Bromobenzene	108-86-1	ND	2
55)	1,2,3-Trichloropropane	96-18-4	ND	10
56)	n-Propylbenzene	103-65-1	ND	2
57)	2-Chlorotoluene	95-49-8	ND	2
58)	1,3,5-Trimethylbenzene	108-67-8	ND	2
59)	4-Chlorotoluene	106-43-4	ND	2
60)	tert-Butylbenzene	98-06-9	ND	2
61)	1,2,4-Trimethylbenzene	95-63-6	ND	2
62)	sec-Butylbenzene	135-98-8	ND	2
63)	4-iso-Propyltoluene	99-87-6	ND	2
64)	1,3-Dichlorobenzene	541-73-1	ND	2
65)	1,4-Dichlorobenzene	106-46-7	ND	2
66)	n-Butylbenzene	104-51-8	ND	2
67)	1,2-Dichlorobenzene	95-50-1	ND	2
68)	1,2-Dibromo-3-chloropropane	96-12-8	ND	10
69)	1,2,4-Trichlorobenzene	120-82-1	ND	2
70)	Hexachlorobutadiene	87-68-3	ND	2
71)	Naphthalene	91-20-3	ND	2
72)	1,2,3-Trichlorobenzene	87-61-6	ND	2
73)	Ethyl ether (Diethyl ether)	60-29-7	ND	2
74)	tert-Butanol (TBA, 2-Methyl 2-Propanol)	75-65-0	ND	12
75)	Diisopropyl ether (DIPE, Isopropyl ether)	108-20-3	ND	2
76)	Ethyl-tert-butyl ether (ETBE)	637-92-3	ND	2
77)	tert-Amyl methyl ether (TAME)	994-05-8	ND	2
78)	2-Pentanone	107-87-9	ND	2
79)	Ethanol	64-17-5	ND	710

Tentative Identified Compound

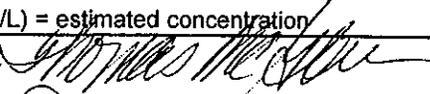
Retention Time (min)	Name	CAS No.	Est. Conc. (µg/L)
None			

PQL = practical quantitation limit

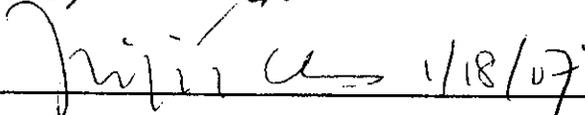
ND = none detected

Tentative Identified Compound = Identified by compare the mass spectrum to the computer database, for reference only.

Est. Conc. (µg/L) = estimated concentration

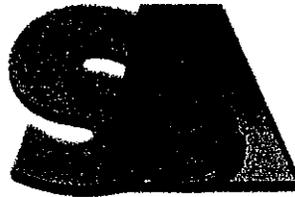
Reviewed by: 

Approved by:

Date:  1/18/07

JP Chen (Director, Mobile Laboratory)

Report Date:
26-Jan-07 15:02



SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

Laboratory Report

- Final Report
- Re-Issued Report
- Revised Report

CT DEP, Bureau of Waste Management
79 Elm Street
Hartford, CT 06106
Attn: Frank Bartolomeo

Project: Cherry St - Meriden, CT
Project (None)

Laboratory ID	Client Sample ID	Container	Matrix	Date Sampled	Date Received
SA57117-01	DP0412	Summa canister	Air	16-Jan-07 09:30	19-Jan-07 14:26
SA57117-02	DP0413	Summa canister	Air	16-Jan-07 11:00	19-Jan-07 14:26
SA57117-03	DP0414	Summa canister	Air	16-Jan-07 11:15	19-Jan-07 14:26
SA57117-04	DP0415	Summa canister	Air	16-Jan-07 11:50	19-Jan-07 14:26

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.

All applicable NELAC requirements have been met

Please note that this report contains 10 pages of analytical data plus Chain of Custody document(s).

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- Massachusetts Certification # M-MA138/MA1110
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- Florida # E87600/E87936
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- New Jersey # MA011/MA012
- New York # 11393/11840
- Rhode Island # 98
- USDA # S-51435
- Vermont # VT-11393



Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Technical Reviewer's Initial:

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NH-2972, NY-11840, FL-E87936 and NJ-MA012).

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Sample Identification
 DP0412,
 SA57117-01

Client Project #
 (None)

Matrix
 Air

Collection Date/Time
 16-Jan-07 09:30

Received
 19-Jan-07

CAS No.	Analyte(s)	Result Units	*RDL	Result ug/m ³	*RDL	Flag	Method Ref.	Analyzed	Batch	Analyst
Quality Analyses										
<u>Modified EPA TO-14A</u>										
		<u>ppbv</u>		<u>Prepared 23-Jan-07</u>						
75-71-8	Dichlorodifluoromethane (Freon12)	0.570	0.500	2.8	2.5		Mod. EPA TO-14A	23-Jan-07	7011620	WB
74-87-3	Chloromethane	0.550	0.500	1.1	1.0					
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.500	BRL	3.5					
75-01-4	Vinyl chloride	BRL	0.500	BRL	1.3					
74-83-9	Bromomethane	BRL	0.500	BRL	1.9					
75-00-3	Chloroethane	BRL	0.500	BRL	1.3					
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	0.500	BRL	2.8					
75-35-4	1,1-Dichloroethene	BRL	0.500	BRL	2.0					
75-09-2	Methylene chloride	BRL	0.500	BRL	1.7					
78-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	0.500	BRL	3.8					
75-34-3	1,1-Dichloroethane	BRL	0.500	BRL	2.0					
156-59-2	cis-1,2-Dichloroethene	BRL	0.500	BRL	2.0					
67-66-3	Chloroform	BRL	0.500	BRL	2.4					
107-06-2	1,2-Dichloroethane	BRL	0.500	BRL	2.0					
71-55-6	1,1,1-Trichloroethane	BRL	0.500	BRL	2.7					
71-43-2	Benzene	BRL	0.500	BRL	1.6					
56-23-5	Carbon tetrachloride	BRL	0.500	BRL	3.2					
78-87-5	1,2-Dichloropropane	BRL	0.500	BRL	2.3					
79-01-6	Trichloroethene	BRL	0.500	BRL	2.7					
10061-01-5	cis-1,3-Dichloropropene	BRL	0.500	BRL	2.3					
10061-02-6	trans-1,3-Dichloropropene	BRL	0.500	BRL	2.3					
	1,1,2-Trichloroethane	BRL	0.500	BRL	2.7					
106-98-3	Toluene	BRL	0.500	BRL	1.9					
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.500	BRL	3.8					
127-18-4	Tetrachloroethene	BRL	0.500	BRL	3.4					
108-90-7	Chlorobenzene	BRL	0.500	BRL	2.3					
100-41-4	Ethylbenzene	BRL	0.500	BRL	2.2					
1330-20-7	m,p-Xylene	BRL	0.500	BRL	2.2					
100-42-5	Styrene	BRL	0.500	BRL	2.1					
95-47-6	o-Xylene	BRL	0.500	BRL	2.2					
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.500	BRL	3.4					
108-67-8	1,3,5-Trimethylbenzene	BRL	0.500	BRL	2.5					
622-96-8	4-Ethyltoluene	BRL	0.500	BRL	2.5					
95-63-6	1,2,4-Trimethylbenzene	BRL	0.500	BRL	2.5					
541-73-1	1,3-Dichlorobenzene	BRL	0.500	BRL	3.0					
100-44-7	Benzyl chloride	BRL	0.500	BRL	2.6					
106-46-7	1,4-Dichlorobenzene	BRL	0.500	BRL	3.0					
95-50-1	1,2-Dichlorobenzene	BRL	0.500	BRL	3.0					
120-82-1	1,2,4-Trichlorobenzene	BRL	0.500	BRL	3.7					
87-68-3	Hexachlorobutadiene	BRL	0.500	BRL	5.3					

Surrogate recoveries:
 460-00-4 4-Bromofluorobenzene 97.6 75-125 %

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Sample Identification
 DP0413
 SA57117-02

Client Project #
 (None)

Matrix
 Air

Collection Date/Time
 16-Jan-07 11:00

Received
 19-Jan-07

CAS No.	Analyte(s)	Result Units	*RDL	Result ug/m ³	*RDL	Flag	Method Ref.	Analyzed	Batch	Analyst
Quality Analyses										
<i>Modified EPA TO-14A</i>										
		<i>ppbv</i>		<i>Prepared 23-Jan-07</i>						
75-71-8	Dichlorodifluoromethane (Freon12)	0.530	0.500	2.6	2.5		Mod. EPA TO-14A	23-Jan-07	7011620	WB
74-87-3	Chloromethane	BRL	0.500	BRL	1.0					
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.500	BRL	3.5					
75-01-4	Vinyl chloride	BRL	0.500	BRL	1.3					
74-83-9	Bromomethane	BRL	0.500	BRL	1.9					
75-00-3	Chloroethane	BRL	0.500	BRL	1.3					
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	0.500	BRL	2.8					
75-35-4	1,1-Dichloroethene	BRL	0.500	BRL	2.0					
75-09-2	Methylene chloride	BRL	0.500	BRL	1.7					
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	0.500	BRL	3.8					
75-34-3	1,1-Dichloroethane	BRL	0.500	BRL	2.0					
156-59-2	cis-1,2-Dichloroethene	BRL	0.500	BRL	2.0					
67-66-3	Chloroform	BRL	0.500	BRL	2.4					
107-06-2	1,2-Dichloroethane	BRL	0.500	BRL	2.0					
71-55-6	1,1,1-Trichloroethane	BRL	0.500	BRL	2.7					
71-43-2	Benzene	1.77	0.500	5.7	1.6					
56-23-5	Carbon tetrachloride	BRL	0.500	BRL	3.2					
78-87-5	1,2-Dichloropropane	BRL	0.500	BRL	2.3					
79-01-6	Trichloroethene	1.16	0.500	6.2	2.7					
10061-01-5	cis-1,3-Dichloropropene	BRL	0.500	BRL	2.3					
10061-02-6	trans-1,3-Dichloropropene	BRL	0.500	BRL	2.3					
71-43-2	1,1,2-Trichloroethane	BRL	0.500	BRL	2.7					
106-96-3	Toluene	2.68	0.500	10.1	1.9					
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.500	BRL	3.8					
127-18-4	Tetrachloroethene	6.95	0.500	47.1	3.4					
108-90-7	Chlorobenzene	BRL	0.500	BRL	2.3					
100-41-4	Ethylbenzene	0.780	0.500	3.4	2.2					
1330-20-7	m,p-Xylene	2.16	0.500	9.4	2.2					
100-42-5	Styrene	BRL	0.500	BRL	2.1					
95-47-6	o-Xylene	0.640	0.500	2.8	2.2					
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.500	BRL	3.4					
108-67-8	1,3,5-Trimethylbenzene	BRL	0.500	BRL	2.5					
622-96-8	4-Ethyltoluene	BRL	0.500	BRL	2.5					
95-63-6	1,2,4-Trimethylbenzene	0.880	0.500	4.3	2.5					
541-73-1	1,3-Dichlorobenzene	BRL	0.500	BRL	3.0					
100-44-7	Benzyl chloride	BRL	0.500	BRL	2.6					
106-46-7	1,4-Dichlorobenzene	BRL	0.500	BRL	3.0					
95-50-1	1,2-Dichlorobenzene	BRL	0.500	BRL	3.0					
120-82-1	1,2,4-Trichlorobenzene	BRL	0.500	BRL	3.7					
87-68-3	Hexachlorobutadiene	BRL	0.500	BRL	5.3					
Surrogate recoveries:										
460-00-4	4-Bromofluorobenzene	96.8		75-125 %						

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* Reportable Detection Limit

BRL = Below Reporting Limit

CAS No.	Analyte(s)	Result Units	*RDL	Result ug/m ³	*RDL	Flag	Method Ref.	Analyzed	Batch	Analyst
Air Quality Analyses										
Modified EPA TO-14A										
		<i>ppbv</i>		<i>Prepared 23-Jan-07</i>						
75-71-8	Dichlorodifluoromethane (Freon12)	0.530	0.500	2.6	2.5		Mod. EPA TO-14A	23-Jan-07	7011620	WB
74-87-3	Chloromethane	BRL	0.500	BRL	1.0					
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.500	BRL	3.5					
75-01-4	Vinyl chloride	BRL	0.500	BRL	1.3					
74-83-9	Bromomethane	BRL	0.500	BRL	1.9					
75-00-3	Chloroethane	BRL	0.500	BRL	1.3					
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	0.500	BRL	2.8					
75-35-4	1,1-Dichloroethane	BRL	0.500	BRL	2.0					
75-09-2	Methylene chloride	BRL	0.500	BRL	1.7					
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	0.500	BRL	3.8					
75-34-3	1,1-Dichloroethane	BRL	0.500	BRL	2.0					
156-59-2	cis-1,2-Dichloroethene	BRL	0.500	BRL	2.0					
67-66-3	Chloroform	BRL	0.500	BRL	2.4					
107-06-2	1,2-Dichloroethane	BRL	0.500	BRL	2.0					
71-55-6	1,1,1-Trichloroethane	BRL	0.500	BRL	2.7					
71-43-2	Benzene	1.05	0.500	3.4	1.6					
56-23-5	Carbon tetrachloride	BRL	0.500	BRL	3.2					
78-87-5	1,2-Dichloropropane	BRL	0.500	BRL	2.3					
79-01-6	Trichloroethene	1.21	0.500	6.5	2.7					
10061-01-5	cis-1,3-Dichloropropene	BRL	0.500	BRL	2.3					
10061-02-6	trans-1,3-Dichloropropene	BRL	0.500	BRL	2.3					
100-23-3	1,1,2-Trichloroethane	BRL	0.500	BRL	2.7					
106-93-4	Toluene	1.57	0.500	5.9	1.9					
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.500	BRL	3.8					
127-18-4	Tetrachloroethene	8.11	0.500	55.0	3.4					
108-90-7	Chlorobenzene	BRL	0.500	BRL	2.3					
100-41-4	Ethylbenzene	BRL	0.500	BRL	2.2					
1330-20-7	m,p-Xylene	1.34	0.500	5.8	2.2					
100-42-5	Styrene	BRL	0.500	BRL	2.1					
95-47-6	o-Xylene	BRL	0.500	BRL	2.2					
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.500	BRL	3.4					
108-67-8	1,3,5-Trimethylbenzene	BRL	0.500	BRL	2.5					
622-96-8	4-Ethyltoluene	BRL	0.500	BRL	2.5					
95-63-6	1,2,4-Trimethylbenzene	0.690	0.500	3.4	2.5					
541-73-1	1,3-Dichlorobenzene	BRL	0.500	BRL	3.0					
100-44-7	Benzyl chloride	BRL	0.500	BRL	2.6					
106-48-7	1,4-Dichlorobenzene	BRL	0.500	BRL	3.0					
95-50-1	1,2-Dichlorobenzene	BRL	0.500	BRL	3.0					
120-82-1	1,2,4-Trichlorobenzene	BRL	0.500	BRL	3.7					
87-68-3	Hexachlorobutadiene	BRL	0.500	BRL	5.3					
Surrogate recoveries:										
460-00-4	4-Bromofluorobenzene	96.0		75-125 %						

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* Reportable Detection Limit BRL = Below Reporting Limit

Air Quality Analyses - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 7011620 - General Air Prep										
Blank (7011620-BLK1)				Prepared & Analyzed: 23-Jan-07						
Dichlorodifluoromethane (Freon12)	BRL	0.500	ppbv							
Chloromethane	BRL	0.500	ppbv							
1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.500	ppbv							
Vinyl chloride	BRL	0.500	ppbv							
Bromomethane	BRL	0.500	ppbv							
Chloroethane	BRL	0.500	ppbv							
Trichlorofluoromethane (Freon 11)	BRL	0.500	ppbv							
1,1-Dichloroethene	BRL	0.500	ppbv							
Methylene chloride	BRL	0.500	ppbv							
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	0.500	ppbv							
1,1-Dichloroethane	BRL	0.500	ppbv							
cis-1,2-Dichloroethene	BRL	0.500	ppbv							
Chloroform	BRL	0.500	ppbv							
1,2-Dichloroethane	BRL	0.500	ppbv							
1,1,1-Trichloroethane	BRL	0.500	ppbv							
Benzene	BRL	0.500	ppbv							
Carbon tetrachloride	BRL	0.500	ppbv							
1,2-Dichloropropane	BRL	0.500	ppbv							
Trichloroethene	BRL	0.500	ppbv							
cis-1,3-Dichloropropene	BRL	0.500	ppbv							
trans-1,3-Dichloropropene	BRL	0.500	ppbv							
1,1,2-Trichloroethane	BRL	0.500	ppbv							
Toluene	BRL	0.500	ppbv							
1,2-Dibromoethane (EDB)	BRL	0.500	ppbv							
Tetrachloroethene	BRL	0.500	ppbv							
Chlorobenzene	BRL	0.500	ppbv							
Ethylbenzene	BRL	0.500	ppbv							
m,p-Xylene	BRL	0.500	ppbv							
Styrene	BRL	0.500	ppbv							
o-Xylene	BRL	0.500	ppbv							
1,1,2,2-Tetrachloroethane	BRL	0.500	ppbv							
1,3,5-Trimethylbenzene	BRL	0.500	ppbv							
4-Ethyltoluene	BRL	0.500	ppbv							
1,2,4-Trimethylbenzene	BRL	0.500	ppbv							
1,3-Dichlorobenzene	BRL	0.500	ppbv							
Benzyl chloride	BRL	0.500	ppbv							
1,4-Dichlorobenzene	BRL	0.500	ppbv							
1,2-Dichlorobenzene	BRL	0.500	ppbv							
1,2,4-Trichlorobenzene	BRL	0.500	ppbv							
Hexachlorobutadiene	BRL	0.500	ppbv							
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>11.6</i>		<i>ppbv</i>	<i>12.5</i>		<i>92.8</i>	<i>75-125</i>			
LCS (7011620-BS1)				Prepared & Analyzed: 23-Jan-07						
Dichlorodifluoromethane (Freon12)	9.04		ppbv	10.0		90.4	70-130			
Chloromethane	9.17		ppbv	10.0		91.7	70-130			
1,2-Dichlorotetrafluoroethane (Freon 114)	9.79		ppbv	10.0		97.9	70-130			
Vinyl chloride	10.4		ppbv	10.0		104	70-130			
Bromomethane	11.2		ppbv	10.0		112	70-130			
Chloroethane	12.9		ppbv	10.0		129	70-130			
Trichlorofluoromethane (Freon 11)	9.16		ppbv	10.0		91.6	70-130			
1,1-Dichloroethene	8.93		ppbv	10.0		89.3	70-130			
Methylene chloride	9.74		ppbv	10.0		97.4	70-130			
1,1,2-Trichlorotrifluoroethane (Freon 113)	9.06		ppbv	10.0		90.6	70-130			
1,1-Dichloroethane	10.0		ppbv	10.0		100	70-130			

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Air Quality Analyses - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 7011620 - General Air Prep										
LCS (7011620-BS1)				Prepared & Analyzed: 23-Jan-07						
cis-1,2-Dichloroethene	9.72		ppbv	10.0		97.2	70-130			
Chloroform	9.56		ppbv	10.0		95.6	70-130			
1,2-Dichloroethane	9.64		ppbv	10.0		96.4	70-130			
1,1,1-Trichloroethane	9.80		ppbv	10.0		98.0	70-130			
Benzene	9.93		ppbv	10.0		99.3	70-130			
Carbon tetrachloride	9.30		ppbv	10.0		93.0	70-130			
1,2-Dichloropropane	10.6		ppbv	10.0		106	70-130			
Trichloroethene	10.3		ppbv	10.0		103	70-130			
cis-1,3-Dichloropropene	9.56		ppbv	10.0		95.6	70-130			
trans-1,3-Dichloropropene	10.4		ppbv	10.0		104	70-130			
1,1,2-Trichloroethane	10.4		ppbv	10.0		104	70-130			
Toluene	9.95		ppbv	10.0		99.5	70-130			
1,2-Dibromoethane (EDB)	9.95		ppbv	10.0		99.5	70-130			
Tetrachloroethene	9.78		ppbv	10.0		97.8	70-130			
Chlorobenzene	9.97		ppbv	10.0		99.7	70-130			
Ethylbenzene	10.1		ppbv	10.0		101	70-130			
m,p-Xylene	21.3		ppbv	20.0		106	70-130			
Styrene	12.6		ppbv	10.0		126	70-130			
o-Xylene	11.2		ppbv	10.0		112	70-130			
1,1,2,2-Tetrachloroethane	12.3		ppbv	10.0		123	70-130			
1,3,5-Trimethylbenzene	13.6		ppbv	10.0		136	70-130			QC2
4-Ethyltoluene	12.2		ppbv	10.0		122	70-130			
1,2,4-Trimethylbenzene	12.9		ppbv	10.0		129	70-130			
1,3-Dichlorobenzene	12.0		ppbv	10.0		120	70-130			
Benzyl chloride	12.7		ppbv	10.0		127	70-130			
1,4-Dichlorobenzene	11.9		ppbv	10.0		119	70-130			
1,2-Dichlorobenzene	12.8		ppbv	10.0		128	70-130			
1,2,4-Trichlorobenzene	11.4		ppbv	10.0		114	70-130			
Hexachlorobutadiene	12.0		ppbv	10.0		120	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>12.5</i>		<i>ppbv</i>	<i>12.5</i>		<i>100</i>	<i>75-125</i>			

Duplicate (7011620-DUP1)

Source: SA57155-02

Prepared: 23-Jan-07 Analyzed: 24-Jan-07

Dichlorodifluoromethane (Freon12)	0.570	0.500	ppbv		0.570			0.00	30	
Chloromethane	0.560	0.500	ppbv		0.570			1.77	30	
1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.500	ppbv		BRL				30	
Vinyl chloride	BRL	0.500	ppbv		BRL				30	
Bromomethane	BRL	0.500	ppbv		BRL				30	
Chloroethane	BRL	0.500	ppbv		BRL				30	
Trichlorofluoromethane (Freon 11)	BRL	0.500	ppbv		BRL				30	
1,1-Dichloroethene	BRL	0.500	ppbv		BRL				30	
Methylene chloride	BRL	0.500	ppbv		BRL				30	
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	0.500	ppbv		BRL				30	
1,1-Dichloroethane	BRL	0.500	ppbv		BRL				30	
cis-1,2-Dichloroethene	BRL	0.500	ppbv		BRL				30	
Chloroform	BRL	0.500	ppbv		BRL				30	
1,2-Dichloroethane	BRL	0.500	ppbv		BRL				30	
1,1,1-Trichloroethane	BRL	0.500	ppbv		BRL				30	
Benzene	0.310	0.500	ppbv		0.320			3.17	30	J
Carbon tetrachloride	BRL	0.500	ppbv		BRL				30	
1,2-Dichloropropane	BRL	0.500	ppbv		BRL				30	
Trichloroethene	BRL	0.500	ppbv		BRL				30	
cis-1,3-Dichloropropene	BRL	0.500	ppbv		BRL				30	
trans-1,3-Dichloropropene	BRL	0.500	ppbv		BRL				30	
1,1,2-Trichloroethane	BRL	0.500	ppbv		BRL				30	

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* Reportable Detection Limit

BRL = Below Reporting Limit

Air Quality Analyses - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Flag
Batch 7011620 - General Air Prep									
Duplicate (7011620-DUP1)	Source: SA57155-02			Prepared: 23-Jan-07		Analyzed: 24-Jan-07			
Toluene	0.370	0.500	ppbv		0.400		7.79	30	J
1,2-Dibromoethane (EDB)	BRL	0.500	ppbv		BRL			30	
Tetrachloroethene	BRL	0.500	ppbv		BRL			30	
Chlorobenzene	BRL	0.500	ppbv		BRL			30	
Ethylbenzene	BRL	0.500	ppbv		BRL			30	
m,p-Xylene	BRL	0.500	ppbv		BRL			30	
Styrene	BRL	0.500	ppbv		BRL			30	
o-Xylene	BRL	0.500	ppbv		BRL			30	
1,1,2,2-Tetrachloroethane	BRL	0.500	ppbv		BRL			30	
1,3,5-Trimethylbenzene	BRL	0.500	ppbv		BRL			30	
4-Ethyltoluene	BRL	0.500	ppbv		BRL			30	
1,2,4-Trimethylbenzene	BRL	0.500	ppbv		BRL			30	
1,3-Dichlorobenzene	BRL	0.500	ppbv		BRL			30	
Benzyl chloride	BRL	0.500	ppbv		BRL			30	
1,4-Dichlorobenzene	BRL	0.500	ppbv		BRL			30	
1,2-Dichlorobenzene	BRL	0.500	ppbv		BRL			30	
1,2,4-Trichlorobenzene	BRL	0.500	ppbv		BRL			30	
Hexachlorobutadiene	BRL	0.500	ppbv		BRL			30	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>12.1</i>		<i>ppbv</i>	<i>12.5</i>		<i>96.8</i>	<i>75-125</i>		

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Notes and Definitions

QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown

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**Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form**

Laboratory Name: Spectrum Analytical, Inc. - Agawam, MA

Client: CT DEP, Bureau of Waste Management

Project Location: Cherry St - Meriden, CT

Project Number: (None)

Sampling Date(s):

Laboratory Sample ID(s):

16-Jan-07

SA57117-01 through SA57117-04

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3	Were samples received at an appropriate temperature (4° C ± 2°)? If no, the attached narrative should include any explanation as to acceptability of samples received at other temperatures	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5	Were reporting limits specified on the chain-of-custody met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
7	Are project-specific QC samples included in this data set?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1 is "No", the data package does not meet the requirements for "Reasonable Confidence."

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for obtaining the information contained in this analytical report, such information is accurate and complete.



Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Date: 1/26/2007

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Featuring
HAMBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

5A S7117 ✓

GM

Special Handling:

- Standard TAT - 7 to 10 business days
- Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Frank Bataronzo
CT DEP
79 Elm St
Hartford CT 06106
 Project Mgr.: _____

Invoice To: CT DEP 11171001300
79 Elm St
Hartford CT 06106
ATL SITE ASSESSMENT & SUPPORT UNIT
 P.O. No.: _____
 R.O.N.: _____

Project No.: _____
 Site Name: CHERRY ST
 Location: Meriden
 Sampler(s): David L. Westwood
 State: _____

1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
 7=CH₃OH 8=NaHSO₄ 9=NO/A 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
 O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
 X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	
S7117-01	DB0412	1-16-07	@0930HRS	G	A	9	1	1	1	1	Field Blank. (*5574)
	02 DB0413	1-16-07	@1100HRS	G	A	9	1	1	1	1	GP1A
	03 DB0414	1-16-07	@1155HRS	G	A	9	1	1	1	1	GP1A Dup.
	04 DB0415	1-16-07	@1150HRS	G	A	9	1	1	1	1	GP2

Containers:

Analyses:

Reporting Method:
 Provide MA DEP MCP CAM Report
 Provide CT DPH RCP Report
 OAQOC Reporting Level
 Standard No QC
 Other _____
 State specific reporting standards:

Requested by:

Received by:

Date:

Time:

Fax results when available to () _____
 E-mail to _____
 EDD Format _____

Condition upon receipt: Iced Ambient °C 22

David L. Westwood

David L. Westwood

1/18/07 08:40
 1/19/07 9:56am
 1/19/07 1426

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APPENDIX F: ASBESOTS REMOVAL COST ESTIMATE – BUILDING A