ROY F. WESTON, INC.

INTERNATIONAL SILVER CO., FACTORY H
BROWNFIELDS TARGETED SITE ASSESSMENT
FINAL REPORT

WESTON®
MANAGERS DESIGNERS/CONSULTANTS

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

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Prepared by:

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8 September 1999

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Table 1

International Silver Co., Factory H
HRP 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	0.873	56	520	1.0
		Tetrachloroethylene	0.639	12	110	1.0
TB7 S6	13-15	Tetrachloroethylene	0.102	12	110	1.0
TB8 S2	4-6	Trichloroethylene	0.060	56	520	1.0
		Tetrachloroethylene	0.313	12	110	1.0
		Chromium (total)	0.23	NA	NA	0.5
TB8 S6	12-14	Tetrachloroethylene	0.064	12	110	1.0
		Toluene	0.187	500	1,000	67
		o-Xylene	0.108	500	1,000	19.5
		Copper	0.01	NA	NA	13
MW1 S2	5-7	Trichloroethylene	0.050	56	520	1.0
		Tetrachloroethylene	0.029	12	110	1.0
MW1 S3	10-12	Trichloroethylene	0.462	56	520	1.0
		Tetrachloroethylene	0.924	12	110	1.0
		Toluene	0.392	500	1,000	67
		p-Xylene	0.342	500	1,000	19.5
		o-Xylene	0.911	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	56.0	2,340	219	540
	Tetrachloroethylene	33.0	88	1,500	3,820
MW-2	Trichloroethylene	5.0	2,340	219	540
MW-3	Trichloroethylene	69.0	2,340	219	540
	Tetrachloroethylene	8.0	88	1,500	3,820
MW-4	Methylene chloride	2.0	48,000	50,000	50,000
	Trichloroethylene	49.0	2,340	219	540
	Tetrachloroethylene	3.0	88	1,500	3,820
MW-5	Trans-1,2-dichloroethylene	20.0	NA	NA	NA
	Trichloroethylene	12.0	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.
ft^2 = 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

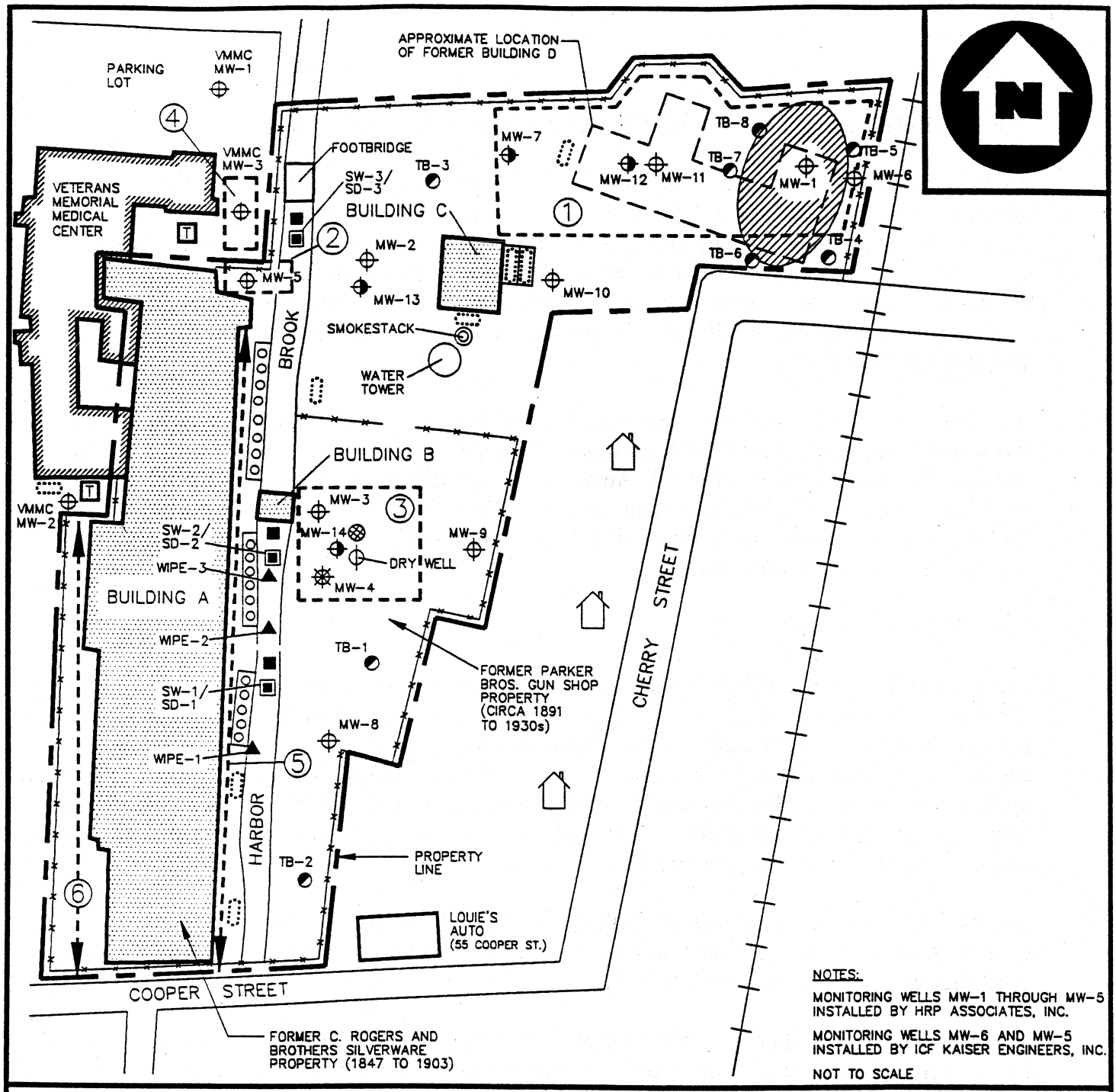
From 24 to 27 August 1998, START performed a soil gas survey in five Areas of Concern (AOCs) on the property (AOC Nos. 1, 2, 3, 5, and 6 as depicted on Figure 3). AOC No. 4 was not evaluated as it was determined to be located off site. In AOC Nos. 1, 2, and 3, the soil gas survey was conducted using 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.



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

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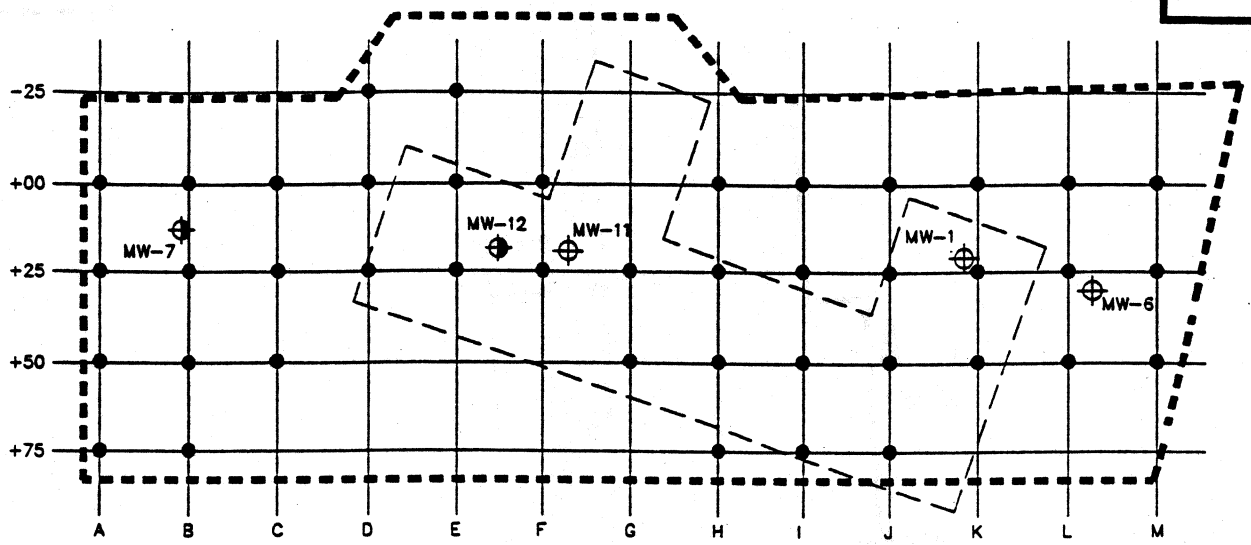
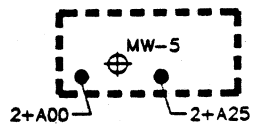
FIGURE 3

AREA OF CONCERN NO. 1

NOTE: SAMPLE POINTS DENOTED AS (1+C50), FOR EXAMPLE.

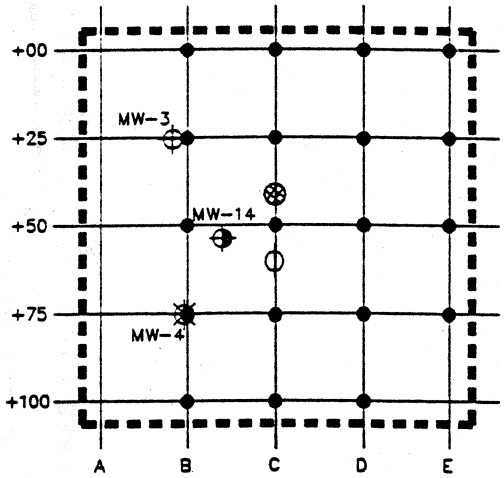


AREA OF CONCERN NO. 2



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
- DEEP OVERBURDEN MONITORING WELL
- DESTROYED OVERBURDEN MONITORING WELL
- DRY WELL
- CATCHBASIN
- SOIL GAS SAMPLE LOCATION
- SOIL GAS SURVEY AREAS

SOIL GAS SAMPLE LOCATION PLAN

AREA OF CONCERN NOS. 1 – 3

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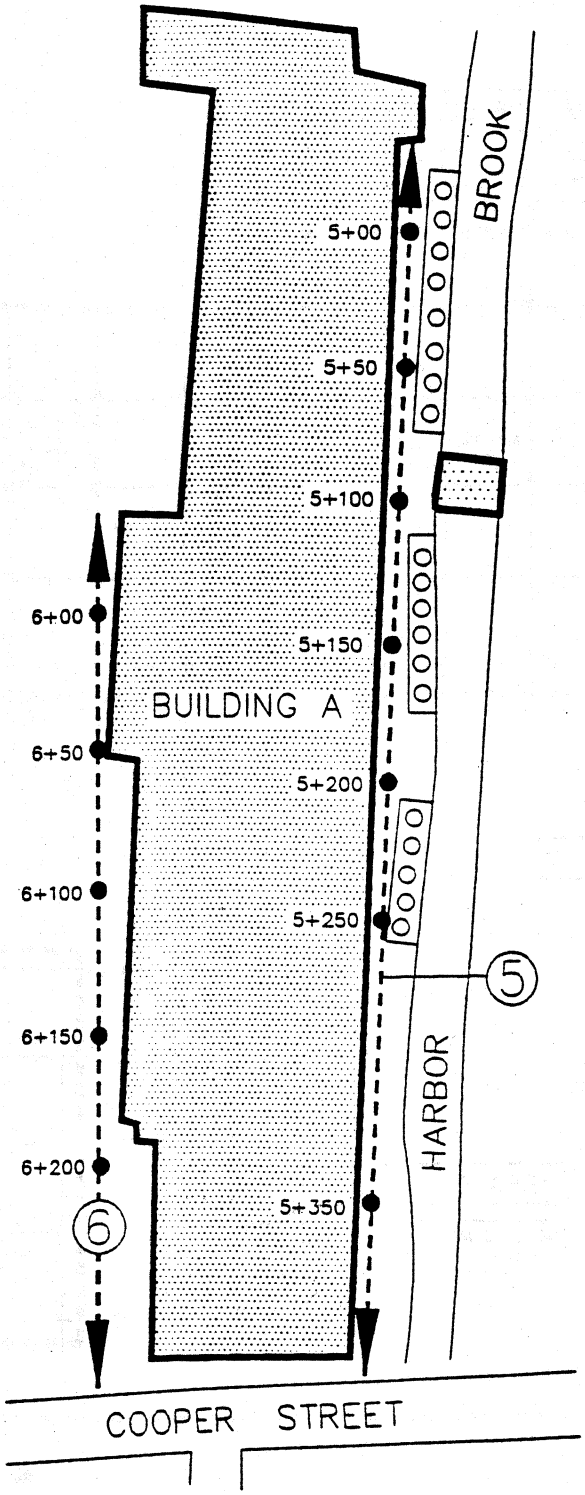
FIGURE 4



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
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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 Toluene m- & p-Xylene o-Xylene	83 820 13 11	1,000 760,000 500,000 500,000	113,000 2,615,000 1,702,000 1,702,000	5.0
3+B50	8/24/98 1545 hrs	Toluene m- & p-Xylene	26 14	760,000 500,000	2,615,000 1,702,000	5.0
3+B75	8/24/98 1600 hrs	Toluene o-Xylene	47 10	760,000 500,000	2,615,000 1,702,000	5.0
3+B100	8/24/98 1555 hrs	Benzene Toluene	65 54	1,000 760,000	113,000 2,615,000	5.0
3+C25	8/24/98 1345 hrs	Toluene m- & p-Xylene o-Xylene	1,500 13 12	760,000 500,000 500,000	2,615,000 1,702,000 1,702,000	2.5
3+C50	8/24/98 1350 hrs	Benzene Toluene	18 130	1,000 760,000	113,000 2,615,000	2.5
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 o-Xylene	46 14	500,000 500,000	1,702,000 1,702,000	2.0
3+D50	8/24/98 1455 hrs	Toluene m- & p-Xylene	28 12	760,000 500,000	2,615,000 1,702,000	2.5
3+D75	8/24/98 1445 hrs	Toluene m- & p-Xylene o-Xylene	56 77 14	760,000 500,000 500,000	2,615,000 1,702,000 1,702,000	1.5
3+D100	8/24/98 1210 hrs	m- & p-Xylene o-Xylene	15 13	500,000 500,000	1,702,000 1,702,000	5.0
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 Toluene o-Xylene	240 120 390	1,000 760,000 500,000	113,000 2,615,000 1,702,000	5.0
1+B00	8/25/98 1020 hrs	Trichloroethylene	2,800	7,000	16,000	5.0
1+B25	8/25/98 1546 hrs	Trichloroethylene	***9,000***	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	***18,000*** ***J*** ***11,000*** ***J***	7,000 11,000	16,000 27,000	5.0
1+B75	8/25/98 1536 hrs	Trichloroethylene	***7,200***	7,000	16,000	5.0
1+C00	8/25/98 0930 hrs	Trichloroethylene Tetrachloroethylene	***22,000*** ***11,000***	7,000 11,000	16,000 27,000	5.0
1+C25	8/25/98 1616 hrs	Trichloroethylene Tetrachloroethylene	***8,100*** ***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	***15,000*** ***18,000***	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	***7,000*** 4,000	7,000 11,000	16,000 27,000	5.0
1+I00	8/25/98 0824 hrs	Trichloroethylene Tetrachloroethylene	***28,000*** ***J*** ***20,000***	7,000 11,000	16,000 27,000	5.0
1+I25	8/25/98 1318 hrs	Trichloroethylene Tetrachloroethylene	***10,000*** 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	***34,000*** ***J*** 7,300 J	7,000 11,000	16,000 27,000	5.0
1+J50	8/25/98 1050 hrs	Trichloroethylene Tetrachloroethylene	***8,300*** 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	***17,000*** 6,700	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)	Total*	SPLP*	R-DEC (ppm)	I/C-DEC (ppm)	PMC-GB (ppm)
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	***2,340***		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)	Total*	SPLP*	R-DEC (ppm)	I/C-DEC (ppm)	PMC-GB (ppm)
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	0.5
	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	***13.8***	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)	Total*	SPLP*	R-DEC (ppm)	I/C-DEC (ppm)	PMC-GB (ppm)
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	0.5
	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)	Total*	SPLP*	R-DEC (ppm)	I/C-DEC (ppm)	PMC-GB (ppm)
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	0.5
	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	0.06
	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)	Total*	SPLP*	R-DEC (ppm)	I/C-DEC (ppm)	PMC-GB (ppm)
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 7

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.

Table 8

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)
MW-1	cis-1,2-Dichloroethylene	14.6	NA	NA	NA
	trans-1,2-Dichloroethylene	3.8	NA	NA	NA
	Vinyl Chloride	***91.6***	2	2	15,750
	Xylene	3.4	50,000	21,300	NA
MW-2	cis-1,2-Dichloroethylene	25.1	NA	NA	NA
	Tetrachloroethylene	15.1	3,820	1,500	88
	Trichloroethylene	69.3	540	219	2,340
MW-3	cis-1,2-Dichloroethylene	30.1	NA	NA	NA
	trans-1,2-Dichloroethylene	3.1	NA	NA	NA
	Tetrachloroethylene	5.0	3,820	1,500	88
	Trichloroethylene	24.3	540	219	2,340
MW-5	cis-1,2-Dichloroethylene	149	NA	NA	NA
	trans-1,2-Dichloroethylene	30.8	NA	NA	NA
	Vinyl Chloride	***12.7***	2	2	15,750
MW-6	No substances detected				
MW-7	cis-1,2-Dichloroethylene	3.0	NA	NA	NA
	Tetrachloroethylene	8.0	3,820	1,500	88
	Trichloroethylene	34.0	540	219	2,340
MW-8	No substances detected				
MW-9	cis-1,2-Dichloroethylene	4.5	NA	NA	NA
	Tetrachloroethylene	5.2	3,820	1,500	88
	Trichloroethylene	26.1	540	219	2,340
MW-10	cis-1,2-Dichloroethylene	10.9	NA	NA	NA
	trans-1,2-Dichloroethylene	6.8	NA	NA	NA
	Tetrachloroethylene	70.1	3,820	1,500	88
	Trichloroethylene	45.2	540	219	2,340
MW-11	1,1-Dichloroethane	5.2	50,000	34,600	2,970
	1,1-Dichloroethylene	***12.7***	6	1	96
	cis-1,2-Dichloroethylene	2,300	NA	NA	NA
	trans-1,2-Dichloroethylene	34.0	NA	NA	NA
	Tetrachloroethylene	28.8	3,820	1,500	88
	Trichloroethylene	58.4	540	219	2,340
	Vinyl chloride	***165***	2	2	15,750
MW-12	cis-1,2-Dichloroethylene	4.9	NA	NA	NA
	Tetrachloroethylene	3.6	3,820	1,500	88
	Trichloroethylene	39.5	540	219	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	***1.2***	6	1	96
	cis-1,2-Dichloroethylene	17.0	NA	NA	NA
	Tetrachloroethylene	***290***	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	***103***	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.

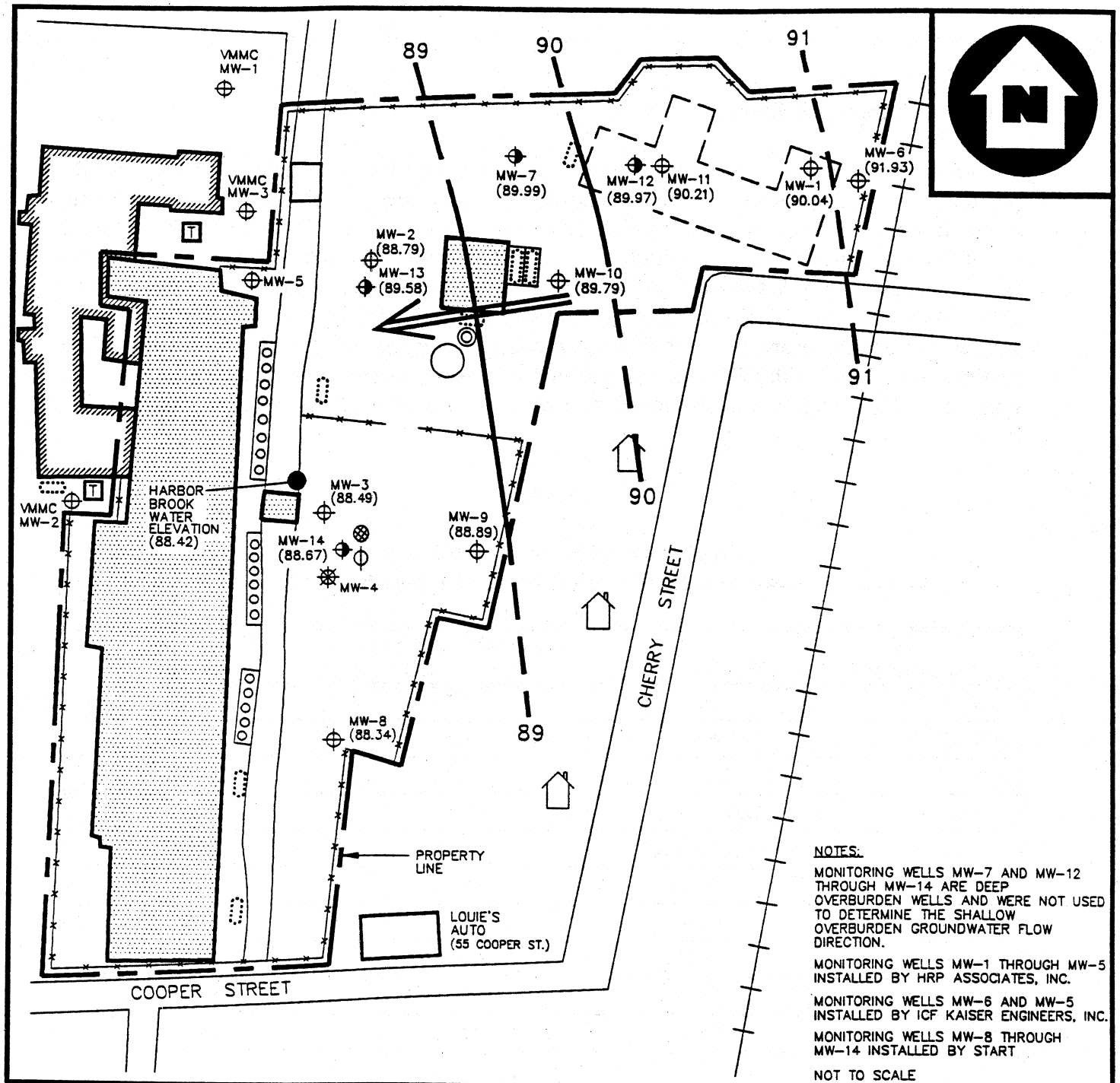
Table 9

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

WESTON® MANAGERS DESIGNERS/CONSULTANTS

REGION I SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM

TDD #	DRAWN BY:	DATE
98-05-0098	W. SHAW	12/14/98

FILE NAME: P:\BSA\97050026\FIGURES\INSIL_GW

FIGURE 6

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

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 (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 (μg/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

μg/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 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.

A

APPENDIX A

LIMITATIONS

LIMITATIONS

This document has been prepared by the Roy F. Weston, Inc. (WESTON®) Region I Superfund Technical Assessment and Response Team (START) solely for the use and benefit of the United States Environmental Protection Agency Region I (EPA Region I), Office of Site Remediation and Restoration. Any use of this document or the information contained herein by persons or entities other than EPA Region I, without the expressed written consent of EPA Region I, shall be at the sole risk and liability of said person or entity, and WESTON shall not be liable for any damages resulting therefrom. WESTON, therefore, expressly disclaims any liability to persons other than EPA Region I who may use or rely upon this report in any way or for any purpose.

This assessment is based on conditions existing as of September 1998. Past conditions were considered on the basis of observations and readily available records, interviews, and recollections. Conclusions have been made based upon information provided to WESTON, or reasonably available to WESTON.

- Brownfields Targeted Site Assessment activities are conducted in a manner consistent with generally accepted practices and with the level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions. No other representation or warranty, expressed or implied, and no warranty of fitness for purpose or any other guarantee is included or intended in any report, conclusion, opinion, or otherwise.

- The observations described in the Brownfields Targeted Site Assessment Report(s) are made under the conditions stated herein. Any conclusions stated in the Report(s) are based upon the indicated scope, and not on tasks or activities beyond the described scope or beyond schedule and budgetary constraints imposed as part of the Brownfields Targeted Site Assessment. Furthermore, any conclusions and recommendations contained in the Report(s) are based in part upon data obtained from a limited number of soil, groundwater, surface water, sediment, or other samples obtained from widely spaced explorations. The nature and extent of variations between these explorations may be unknown and may not become evident until further exploration. If variations or other latent conditions then appear evident, it will be necessary to re-evaluate the conclusions and recommendations of the Report(s). The Report(s) cannot reflect undetected variations which may occur between exploration locations nor can it reflect variations in subsurface conditions (groundwater quality, groundwater elevation, or other conditions) over time.

- Chemical analyses were performed for specific parameters during the Brownfields Targeted Site Assessment, as described in the Report(s). Additional chemical constituents not searched for during the Assessment may be present in soil, groundwater, surface water, sediment, or other media at the site. Where such analyses have been conducted by an outside laboratory, EPA Region I and its contractor have relied upon the data provided and have not conducted an independent evaluation of the reliability of these tests, unless specifically discussed in the Report(s). If conclusions and recommendations contained in the Report(s) are based upon such chemical data, these conclusions and recommendations are contingent upon the validity of such data. Additional preliminary "screening" data may have also been collected as part of the

Assessment and may require additional confirmation with quantitative analyses if more specific information is necessary.

- In preparing the Report(s), EPA Region I and its contractor rely on information provided by state and local officials and information and representations made by other parties, and on information contained in the files of state and/or local agencies made available to EPA Region I and its contractor at the time of the assessment. To the extent that such files are missing, incomplete, or not provided, EPA Region I and its contractor are not responsible. Unless specifically discussed otherwise, no attempt to independently verify the accuracy or completeness of information reviewed or received is made.

- Where access to portions of the site or to structures (or portions thereof) on the site is unavailable or limited (including areas which are deemed unsafe to enter), no opinion is rendered as to the presence of potential contamination. In addition, no opinion is rendered as to the presence of indirect evidence relating to potential contamination where direct observation of the interior walls, floors, or ceilings of a structure on a site is obstructed by objects or coverings on or over these surfaces. Unless otherwise specified in the Report(s), no testing or analyses was performed to determine the presence or concentration of asbestos, polychlorinated biphenyls (PCBs), lead paint, urea formaldehyde foam insulation (UFFI), or radon at the site or in the environment of the site.

- The purpose of the Brownfields Targeted Site Assessment is to assess the physical characteristics of the site with respect to potential presence in the site soil, groundwater, surface water, or other media of contamination by hazardous substances. Unless specifically discussed otherwise, investigations of underground storage tanks (USTs) containing oil or other petroleum products, releases from said USTs, or other releases or suspected releases of oil or other petroleum products are not within the scope of the investigation. Furthermore, the Assessment does not draw any conclusions regarding the compliance of past or present owners or operators of the site with federal, state or local laws or regulations, environmental or otherwise, nor does the Assessment attempt to identify, or assign responsibility to, Potentially Responsible Parties (PRPs).

- Any findings or conclusions stated in the Report(s) are based upon the professional judgement of EPA Region I's contractor and do -not represent scientific certainties. Neither EPA Region I nor its contractor represents that the site contains no hazardous substances or other latent conditions beyond that detected or observed during the Brownfields Targeted Site Assessment.

- To the extent that the Report(s) provide estimated costs of cleanup or other future work, these costs are based on those conditions discovered in carrying out the Assessment outlined in the Report(s). Actual quantities and unit costs will vary. Cost estimates do not represent an absolute worst case. These estimates include only those cost items identified, and should not be assumed to include other costs such as legal, administrative, or permitting costs. The estimate is based on limited data which may not be sufficient to identify each and every condition existing at the site. These cost estimates are approximate and are intended for use in evaluating and comparing remedial alternatives. These estimates involve approximate quantity evaluations. Preliminary estimates such as these may vary substantially from

contractors' bid prices and is not to be considered the equivalent nor as reliable as contractors bid prices. Prices for similar work undertaken in the future will be subject to general and sometimes erratic price increases. The costs of future environmental, technical, and engineering services which may be required to implement any remedial action or other future work cannot be accurately estimated.

B

APPENDIX B

ENVIRONMENTAL RISK INFORMATION & IMAGING SERVICES
PROPERTY RECORD REPORT ON INTERNATIONAL SILVER CO., FACTORY H
COOPER STREET, VERNON, CT 06540
REPORT NOS. 173575B AND 175394A

PERTAINING TO:
COOPER STREET
MERIDEN, CT 06540

REPORT NUMBER:
173575B

PREPARED ON:
06/19/1997

ON BEHALF OF:
Roy F. Weston, Inc.
217 Middlesex Turnpike
Burlington, MA 01803

If you have any questions or comments regarding this report, please contact ERIIS Customer Service at 1-800-989-0403, locally at 703-834-0600, or fax us at 703-834-0606. Thank you for your order.

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ERIIS REPORT OVERVIEW

The following features are available for an ERIIS report:

* Database Report
    * Statistical Profile
    * Database Records
* Related Maps
    * Digital Custom Plotted Map
    * Sanborn Fire Insurance Map(s)
    * Topographical Map(s)

Statistical Profile

The statistical profile is an at-a-glance numeric summary of the databases searched for your ERIIS Report.

Database Records

The detailed federal and state database information indicates potential and actual environmental threats within the study radius. These records are sorted by their distance from the study site.

Digital Custom Map

The digital custom map is cross referenced with the database records. The cross-in-circle in the center of the map represents the study site. The red circles represent distances from the study site. The plottable sites in the report are distinguished on the map by symbols of different shape and color.

Historic Fire Insurance Maps

The ERIIS collection of historical Sanborn Fire Insurance Maps covers 14,000 cities and towns. These maps may indicate prior use of the study site. If no maps are available for the study site, a notice to that effect is included. This notice should serve as evidence of due diligence.

Topographical Map

USGS topographical maps show natural and man-made features as well as the shape and elevation of the terrain. The 7.5 minute quad maps are produced at a scale of 1:24,000, or one inch represents 2,000 feet.

If you have any questions about this report,
please contact ERIIS Customer Service at 1-800-989-0403

ERIIS SUMMARY OF PLOTTABLE SITES

ERIIS Report #173575B

*Potentially adjacent

Jun 18, 1997

ERIIS ID.	FACILITY/ADDRESS		DATABASE	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP ID
	0 - 1/4 Miles					
09008000862	MERIDEN AREA WORK CENTER 56 COOPER ST MERIDEN, CT 06451-5551 COUNTY: NEW HAVEN	*	RCRIS_SG	0.048 Mi	SOUTHWEST	862
09010004408	MERIDEN AREA WORK CENTER 56 COOPER ST MERIDEN, CT 06451-5551 COUNTY: NEW HAVEN	*	RST	0.048 Mi	SOUTHWEST	4408
09010004409	MERIDEN AREA WROK CENTER 56 COOPER ST MERIDEN, CT 06451-5551 COUNTY: NEW HAVEN	*	RST	0.048 Mi	SOUTHWEST	4409
09010003276	HANOVER TOWERS REALTY 76 BUTLER ST MERIDEN, CT 06451-4151 COUNTY: NEW HAVEN	*	RST	0.073 Mi	NORTHWEST	3276
09010007114	TOOLING TECHNOLOGY INC 26 CHERRY ST MERIDEN, CT 06451-5518 COUNTY: NEW HAVEN	*	RST	0.083 Mi	NORTHEAST	7114
09010004428	MERIDEN XTRA MART 80 COOK AVE MERIDEN, CT 06451-5502 COUNTY: NEW HAVEN		RST	0.124 Mi	NORTHWEST	4428
09010007389	VACANT 35 MERIDIAN ST MERIDEN, CT 06451-5515 COUNTY: NEW HAVEN		RST	0.124 Mi	SOUTHWEST	7389
09010002722	FIRESTONE STORE #7056 72 COOK AVE MERIDEN, CT 06451-4113 COUNTY: NEW HAVEN		RST	0.134 Mi	NORTHWEST	2722
09008001604	FIRESTONE STORE 7056 72 COOK AVE MERIDEN, CT 06451-4113 COUNTY: NEW HAVEN		RCRIS_SG	0.134 Mi	NORTHWEST	1604
09010007429	VETERANS MEMORIAL MEDICAL CENTER W 1 KING PL MERIDEN, CT 06451-5415 COUNTY: NEW HAVEN		RST	0.141 Mi	SOUTHWEST	7429
09010009847	MOTOR VEHICLE DEPT (BUTLER ST FIRE) 47 BUTLER ST MERIDEN, CT 06451-4101 COUNTY: NEW HAVEN		RST	0.144 Mi	NORTHWEST	9847
09010009679	MERIDEN CENTRAL OFFICE (7801) 27 BUTLER ST MERIDEN, CT 06451-4101 COUNTY: NEW HAVEN		RST	0.191 Mi	NORTHEAST	9679
09010003282	HARBOR TOWERS LIM PART 60 HANOVER ST MERIDEN, CT 06451-5548 COUNTY: NEW HAVEN		RST	0.209 Mi	NORTHEAST	3282
09010004661	MODERN HOME CONSTRUCTION 292 COOK AVE MERIDEN, CT 06451-6258 COUNTY: NEW HAVEN		RST	0.240 Mi	SOUTHWEST	4661
	1/4 - 1/2 Miles					
09005000321	CT. NATIONAL BANK 1 W MAIN ST MERIDEN, CT 06451-4128 COUNTY: NEW HAVEN		LRST	0.282 Mi	NORTHEAST	321
09005000800	MERIDEN SENIOR CENTER 22 W MAIN ST MERIDEN, CT 06451-4109 COUNTY: NEW HAVEN		LRST	0.290 Mi	NORTHEAST	800
09005000920	OFFICE COMPLEX 95 E MAIN ST MERIDEN, CT 06450-5652 COUNTY: NEW HAVEN		LRST	0.378 Mi	NORTHEAST	920
	1/2 - 1 Miles					
09053000226	J. B. COGGINS 5 CROSS ST MERIDEN, CT 06451-3230 COUNTY: NEW HAVEN		HWS	0.610 Mi	NORTHEAST	226
09071000014	QUINLAN RUSSELL 5 CROSS ST MERIDEN, CT 06451-3230 COUNTY: NEW HAVEN		RCRIS_CA	0.610 Mi	NORTHEAST	14

ERIIS SUMMARY OF PLOTTABLE SITES

ERIIS Report #173575B

Jun 18, 1997

ERIIS ID.	FACILITY/ADDRESS	DATABASE	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP ID
09013000014	QUINLAN RUSSELL 5 CROSS ST MERIDEN, CT 06451-3230 COUNTY: NEW HAVEN	RCRIS_TS	0.610 Mi	NORTHEAST	14
09053000604	AS U LIKE IT CLEANERS 518 W MAIN ST MERIDEN, CT 06451-2758 COUNTY: NEW HAVEN	HWS	0.862 Mi	NORTHWEST	604
09053000605	CROWN PLASTICS 900 OLD COLONY RD MERIDEN, CT 06451-7921 COUNTY: NEW HAVEN	HWS	0.995 Mi	SOUTHWEST	605

ERIIS ID / EPA ID	FACILITY	ADDRESS	RAATS ISSUE DATE / RAATS ACTION/STATUS / RAATS PENALTIES	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP
09071000014 CTD000842906	QUINLAN RUSSELL COUNTY: NEW HAVEN	5 CROSS ST MERIDEN, CT 06451-3230	10/06/81 ACTION CODE: 3008(A) STATUS: COMPLAINT ISSUED PROPOSED : $ 0.00 FINAL: $0.00	0.610 MILES	NORTHEAST	14

FACILITY VIOLATIONS

	DATE DETERMINED:	DATE RESOLVED:	AREA OF VIOLATION:
1.	11/05/85	02/05/86	TSD-GROUNDWATER MONITORING REQUIREMENTS
2.	07/13/84	04/26/85	TSD-GROUNDWATER MONITORING REQUIREMENTS
3.	11/19/84	07/15/87	TSD-OTHER REQUIREMENTS
4.	11/19/84	02/05/86	TSD-GROUNDWATER MONITORING REQUIREMENTS

FACILITY EVALUATIONS

	EVALUATION DATE:	EVALUATION AGENCY:	TYPE OF EVALUATION:	AREA(S) OF EVALUATION:
1.	07/13/84	STATE	NON-FINANCIAL RECORD REVIEW	TSD-CLOSURE/POST-CLOSURE REQUIREMENTS TSD-GROUNDWATER MONITORING REQUIREMENTS
2.	11/19/84	STATE	COMPLIANCE EVALUATION INSPECTION	TSD-CLOSURE/POST-CLOSURE REQUIREMENTS TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS TSD-GROUNDWATER MONITORING REQUIREMENTS TSD-OTHER REQUIREMENTS
3.	11/05/85	STATE	COMPLIANCE EVALUATION INSPECTION	TSD-CLOSURE/POST-CLOSURE REQUIREMENTS TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS TSD-GROUNDWATER MONITORING REQUIREMENTS TSD-OTHER REQUIREMENTS

FACILITY ENFORCEMENTS

	ENFORCEMENT DATE:	ENFORCEMENT AGENCY:	TYPE OF ACTION:	PENALTY(S):
1.	07/23/1984	STATE	WRITTEN, INFORMAL ADMINISTRATIVE ACTION	
2.	01/22/1985	STATE	WRITTEN, INFORMAL ADMINISTRATIVE ACTION	
3.	01/27/1986	STATE	WRITTEN, INFORMAL ADMINISTRATIVE ACTION	

CORRECTIVE ACTIONS

	EVENT ACTUAL DATE:	SITE EVENT:
1.	08/27/93	RFA COMPLETED--ASSESSMENT WAS AN RFA
2.	09/10/93	CA PRIORITIZATION--FACILITY ASSIGNED A MEDIUM CORRECTIVE ACTION PRIORITY

HAZARDOUS WASTES

	WASTE CODE:	AMOUNT OF WASTE:	SOURCE OF INFO:
1.	F006	.00000	NOTIFICATION
2.	F007	.00000	NOTIFICATION
3.	F008	.00000	NOTIFICATION
4.	F009	.00000	NOTIFICATION
5.	F006	21.77200 METRIC	PART A

ERIIS ID EPA ID	FACILITY	ADDRESS	RAATS ISSUE DATE RAATS ACTION/STATUS RAATS PENALTIES	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP

WASTE CODE:

AMOUNT OF WASTE:

TONS

SOURCE OF INFO:

ERIIS ID EPA ID	FACILITY	ADDRESS	RAATS ISSUE DATE RAATS ACTION/STATUS RAATS PENALTIES	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP
09013000014 CTD000842906	QUINLAN RUSSELL COUNTY: NEW HAVEN	5 CROSS ST MERIDEN, CT 06451-3230	10/06/81 ACTION CODE: 3008(A) STATUS: COMPLAINT ISSUED PROPOSED : $ 0.00 FINAL: $0.00	0.610 MILES	NORTHEAST	14

FACILITY VIOLATIONS

	DATE DETERMINED:	DATE RESOLVED:	AREA OF VIOLATION:
1.	11/05/85	02/05/86	TSD-GROUNDWATER MONITORING REQUIREMENTS
2.	07/13/84	04/26/85	TSD-GROUNDWATER MONITORING REQUIREMENTS
3.	11/19/84	07/15/87	TSD-OTHER REQUIREMENTS
4.	11/19/84	02/05/86	TSD-GROUNDWATER MONITORING REQUIREMENTS

FACILITY EVALUATIONS

	EVALUATION DATE:	EVALUATION AGENCY:	TYPE OF EVALUATION:	AREA(S) OF EVALUATION:
1.	07/13/84	STATE	NON-FINANCIAL RECORD REVIEW	TSD-CLOSURE/POST-CLOSURE REQUIREMENTS TSD-GROUNDWATER MONITORING REQUIREMENTS
2.	11/19/84	STATE	COMPLIANCE EVALUATION INSPECTION	TSD-CLOSURE/POST-CLOSURE REQUIREMENTS TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS TSD-GROUNDWATER MONITORING REQUIREMENTS TSD-OTHER REQUIREMENTS
3.	11/05/85	STATE	COMPLIANCE EVALUATION INSPECTION	TSD-CLOSURE/POST-CLOSURE REQUIREMENTS TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS TSD-GROUNDWATER MONITORING REQUIREMENTS TSD-OTHER REQUIREMENTS

FACILITY ENFORCEMENTS

	ENFORCEMENT DATE:	ENFORCEMENT AGENCY:	TYPE OF ACTION:	PENALTY(S):
1.	07/23/1984	STATE	WRITTEN, INFORMAL ADMINISTRATIVE ACTION	
2.	01/22/1985	STATE	WRITTEN, INFORMAL ADMINISTRATIVE ACTION	
3.	01/27/1986	STATE	WRITTEN, INFORMAL ADMINISTRATIVE ACTION	

CORRECTIVE ACTIONS

	EVENT ACTUAL DATE:	SITE EVENT:
1.	08/27/93	RFA COMPLETED--ASSESSMENT WAS AN RFA
2.	09/10/93	CA PRIORITIZATION--FACILITY ASSIGNED A MEDIUM CORRECTIVE ACTION PRIORITY

HAZARDOUS WASTES

	WASTE CODE:	AMOUNT OF WASTE:	SOURCE OF INFO:
1.	F006	.00000	NOTIFICATION
2.	F007	.00000	NOTIFICATION
3.	F008	.00000	NOTIFICATION
4.	F009	.00000	NOTIFICATION
5.	F006	21.77200 METRIC	PART A

ERIIS ID EPA ID	FACILITY	ADDRESS	RAATS ISSUE DATE RAATS ACTION/STATUS RAATS PENALTIES	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP

WASTE CODE:

AMOUNT OF WASTE:

TONS

SOURCE OF INFO:

ERIIS ID EPA ID	FACILITY	ADDRESS	RAATS ISSUE DATE RAATS ACTION/STATUS RAATS PENALTIES	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP ID
09008000862 CTD981205180	MERIDEN AREA WORK CENTER COUNTY: NEW HAVEN	56 COOPER ST MERIDEN, CT 06451-5551	FACILITY NOT REPORTED IN RAATS	0.048 MILES	SOUTHWEST	862

HAZARDOUS WASTES

	WASTE CODE:	AMOUNT OF WASTE:	SOURCE OF INFO:
1.	D001	.00000	NOTIFICATION
2.	F001	.00000	NOTIFICATION
3.	F002	.00000	NOTIFICATION
4.	F003	.00000	NOTIFICATION
5.	F005	.00000	NOTIFICATION

09008001604 CTD983894809	FIRESTONE STORE 7056 COUNTY: NEW HAVEN	72 COOK AVE MERIDEN, CT 06451-4113	FACILITY NOT REPORTED IN RAATS	0.134 MILES	NORTHWEST	1604

HAZARDOUS WASTES

	WASTE CODE:	AMOUNT OF WASTE:	SOURCE OF INFO:
1.	D000	.00000	NOTIFICATION
2.	D008	.00000	NOTIFICATION
3.	D018	.00000	NOTIFICATION

ERIIS ID	FACILITY	ADDRESS	ONSITE DISPOSAL	MAP I
09053000226	J. B. COGGINS DISTANCE FROM SITE: 0.610 MILES DIRECTION FROM SITE: NORTHEAST	5 CROSS ST MERIDEN, CT 06451-3230 COUNTY: NEW HAVEN	SURFACE IMPOUNDMENT	226
TYPE OF WASTE: MOH SLUDGE COMMENTS: 3 GAL/WK. (7/87)				
09053000604	AS U LIKE IT CLEANERS DISTANCE FROM SITE: 0.862 MILES DIRECTION FROM SITE: NORTHWEST	518 W MAIN ST MERIDEN, CT 06451-2758 COUNTY: NEW HAVEN	DRY WELL SPILL/DUMP	604
TYPE OF WASTE: CHLR VOC COMMENTS: WATER NOTIFIED OF PCE IN DRY WELL 9/30/94				
09053000605	CROWN PLASTICS DISTANCE FROM SITE: 0.995 MILES DIRECTION FROM SITE: SOUTHWEST	900 OLD COLONY RD MERIDEN, CT 06451-7921 COUNTY: NEW HAVEN	GROUND SPILL/DUMP	605
TYPE OF WASTE: SOLVENTS/OIL CHLR VOC COMMENTS: 1,1,2,2 TERACHLOROETHANE AKA: 896 OLD COLONY ROAD				

ERIIS ENVIRONMENTAL DATA REPORT
CONNECTICUT LEAKING UNDERGROUND STORAGE TANKS
LRST - PLOTTABLE SITES - PAGE 1

ERIIS ID	FACILITY	FACILITY ADDRESS	COUNTY	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP ID
09005000321	CT. NATIONAL BANK	1 W MAIN ST MERIDEN, CT 06451-4128	NEW HAVEN	0.282 MILES	NORTHEAST	321
	GALLONS\CONSTRUCTION 1000/STEEL	SUBSTANCE HF	REMEDIATION SOIL REMOVAL			
09005000800	MERIDEN SENIOR CENTER	22 W MAIN ST MERIDEN, CT 06451-4109	NEW HAVEN	0.290 MILES	NORTHEAST	800
	GALLONS\CONSTRUCTION STEEL/2000	SUBSTANCE HF2	REMEDIATION EVACUATED WELLS			
09005000920	OFFICE COMPLEX	95 E MAIN ST MERIDEN, CT 06450-5652	NEW HAVEN	0.378 MILES	NORTHEAST	920
	GALLONS\CONSTRUCTION 4000/STEEL	SUBSTANCE HF2	REMEDIATION SOIL REMOVAL			

ERIIS ID	SITE ID	FACILITY	ADDRESS	NUMBER OF TANKS	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP ID
09010004408	995	MERIDEN AREA WORK CENTER	56 COOPER ST MERIDEN, CT 06451-5551	4	0.048 MILES	SOUTHWEST	4408
	TANK(S) STATUS ABANDONED-IN-PLACE IN USE IN USE IN USE						
09010004409	995	MERIDEN AREA WROK CENTER	56 COOPER ST MERIDEN, CT 06451-5551	1	0.048 MILES	SOUTHWEST	4409
	TANK(S) STATUS IN USE						
09010003276	387	HANOVER TOWERS REALTY	76 BUTLER ST MERIDEN, CT 06451-4151	2	0.073 MILES	NORTHWEST	3276
	TANK(S) STATUS IN USE IN USE						
09010007114	1105	TOOLING TECHNOLOGY INC	26 CHERRY ST MERIDEN, CT 06451-5518	1	0.083 MILES	NORTHEAST	7114
	TANK(S) STATUS REMOVED						
09010007389	1070	VACANT	35 MERIDIAN ST MERIDEN, CT 06451-5515	1	0.124 MILES	SOUTHWEST	7389
	TANK(S) STATUS REMOVED						
09010004428	710	MERIDEN XTRA MART	80 COOK AVE MERIDEN, CT 06451-5502	3	0.124 MILES	NORTHWEST	4428
	TANK(S) STATUS IN USE IN USE IN USE						
09010002722	365	FIRESTONE STORE #7056	72 COOK AVE MERIDEN, CT 06451-4113	2	0.134 MILES	NORTHWEST	2722
	TANK(S) STATUS REMOVED REMOVED						
09010007429	708	VETERANS MEMORIAL MEDICAL CENTER W	1 KING PL MERIDEN, CT 06451-5415	6	0.141 MILES	SOUTHWEST	7429
	TANK(S) STATUS ABANDONED-IN-PLACE IN USE IN USE IN USE IN USE IN USE						
09010009847	705	MOTOR VEHICLE DEPT (BUTLER ST FIRE)	47 BUTLER ST MERIDEN, CT 06451-4101	1	0.144 MILES	NORTHWEST	9847

ERIIS ID	SITE ID	FACILITY	ADDRESS	NUMBER OF TANKS	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP ID
	TANK(S) STATUS REMOVED						
09010009679	363	MERIDEN CENTRAL OFFICE (7801)	27 BUTLER ST MERIDEN, CT 06451-4101	5	0.191 MILES	NORTHEAST	9679
	TANK(S) STATUS REMOVED IN USE REMOVED IN USE REMOVED						
09010003282	388	HARBOR TOWERS LIM PART	60 HANOVER ST MERIDEN, CT 06451-5548	2	0.209 MILES	NORTHEAST	3282
	TANK(S) STATUS IN USE IN USE						
09010004661	330	MODERN HOME CONSTRUCTION	292 COOK AVE MERIDEN, CT 06451-6258	2	0.240 MILES	SOUTHWEST	4661
	TANK(S) STATUS ABANDONED-IN-PLACE IN USE						

Unplottable Sites

The remaining report pages list additional environmental sites that have been selected based on geographic criteria unique to your study site. They are classified as "unplottable sites" and require further investigation to assess their potential impact on your site.

How to Evaluate Unplottable Sites

Step 1
Streets Within the Radius: the following page is an alphabetical index of all streets that intersect or are contained within the largest study radius (usually one mile).

Step 2
Cross-Reference: use the "Streets Within the Radius" index to cross-reference the unplottable sites. For example, if Maple Avenue and Oak Avenue are listed in the street index, then any unplottable sites with a Maple Avenue or Oak Avenue address should be checked for possible impact on study site.

Questions on ERIIS' Proprietary Geocoding?

We're happy to answer any questions you might have about our data processing and **point-geocoding** (assigning a latitude and longitude to each address). Just give us a call on our toll-free number at (800) 989-0402 and let us know what state you're calling from. Our customer service staff is available from 8 a.m. to 8 p.m. (EST).

The ASTM Standard Practice For Environmental Site Assessments

As stated in the recently published **Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process** (E1527) by the American Society for Testing and Materials (ASTM):

> "For large databases with numerous facility records (such as RCRA hazardous waste generators and registered underground storage tanks), the records are not practically reviewable unless they can be obtained from the source agency in the smaller geographic area of ZIP code (3.3.24)."

Therefore, this Report contains information available by latitude/longitude or by ZIP code. If your research requires environmental records for which only city or county information is available (i.e., no valid street or ZIP code) ERIIS will include this data at no extra charge.

ERIIS LIST OF STREETS IN THE RADIUS

ERIIS Report #173575B Jun 18, 1997

STREET NAME
N 1ST ST
S 1ST ST
N 2ND ST
S 2ND ST
N 3RD ST
4TH ST
AKRON ST
ALCOVE ST
AMES AVE
ANDREWS ST
ANN ST
ARCH ST
ARCH PKY
AVERY AVE
BACON ST
BALDWIN ST
BARTLETT ST
BELLEVUE ST
BENJAMIN ST
BIRCH ROAD
BOTSFORD ST
BRADLEY AVE
BROAD ST
S BROAD ST
BRONSON AVE
BROOKDALE ROAD
BROOKS ST
BUCKINGHAM ST
BUNKER AVE
BUTLER ST
CAMP ST
CARL ST
CARTER AVE
CARTER AVE EXT
CATLIN ST
CEDAR ST
CENTENNIAL AVE
CENTER ST
CHAMBERLAIN HWY
CHARLES ST
CHERRY ST
CHURCH ST
CLEARVIEW AVE
CLIFF ST
W CLIFF ST
COE AVE
COLLINS AVE
COLLINS PKY
COLONY ST
S COLONY ST
COLUMBIA PL
COLUMBUS AVE
COOK AVE
COOPER ST
COTTAGE ST
CRESCENT ST
CRESTWOOD DR
CROSS ST
CROWN ST
CROWN STREET EXT
CURTIS ST
DAYTON PL
DEWEY AVE
DOVE DR
DRAPER AVE
DRYDEN DR
EDDY AVE
EDGEWOOD PL
ELLIOTT ST
ELM ST
FAIRMONT AVE
FEDERAL ST
FLOWER ST
FOREST AVE
FOSTER ST
FOWLER AVE
FOWLER AVE EXT
FRANKLIN ST
FREMONT ST
GALE AVE
GALOPPI ROAD
GARDEN ST
GEER AVE
N GEORGE ST
GLADWIN PL
GLEN HILLS ROAD
GOFF ST
GOLD ST
GOODWILL AVE
GRANT ST
GREENWAY PL
GROVE ROAD
S GROVE ST
HALL AVE
HALLEM ST
HAMILTON ST
HAMPSHIRE ROAD
HANCOCK ST
HANOVER ROAD
HARRINGTON ST
HARRISON ST

STREET NAME

HARVARD AVE
HAYES ST
HEMLOCK ROAD
HICKORY ST
HIGH ST
HIGH SCHOOL AVE
HIGHLAND AVE
HILLCREST TER
HILLSIDE AVE
HOBART ST
HOBSON AVE
HOLLIS DR
HOME AVE
JACKSON ST
JAMES ST
JEFFERSON ST
KENSINGTON HTS
KIKI DR
KING PL
KIRTLAND PL
KLOCK ST
LAKE ST
LAMBERT AVE
LANOUETTE ST
LANOUETTE STREET EXT
LAUREL ST
LAUREL HTS
LAWRENCE CT
LESLIE DR
LEWIS AVE
LIBERTY ST
LIMA ST
LINCOLN ST
LINDEN PL
LINSLEY AVE
LIVE OAK LANE
LOCKWOOD ST
LOCKWOOD STREET EXT
LOURDES CT
MADISON AVE
MADISON AVE EXT
E MAIN ST
W MAIN ST
MAPLE ST
MARKHAM PL
MARSHALL ROAD
MERIDEN AVE
MERIDIAN ST
MILES PL
MILL ST
MILLER ST
MONROE ST
MORGAN ST
MOSHER ST
MOUNT PLEASANT ST
MYRTLE ST
NEW ST
NEW HANOVER AVE
NORTH AVE
NORWOOD ST
NUTMEG DR
OAK ST
OAK STREET EXT
OLD COLONY ROAD
OLIVE ST
ORANGE ST
OREGON AVE
PARK PL
PARKER AVE S
PARKVIEW ST
PASCO ST
PEACOCK DR
PERKINS ST
PHEASANT DR
PIEDMONT ST
PINE ST
PLATT AVE
PLATT AVE EXT
PLEASANT ST
PLUMB AVE
POWERS DR
PRATT ST
PRINCE ST
PROSPECT AVE
QUEEN ST
QUINLAN AVE
RAILROAD AVE
RANDOLPH AVE
RESERVOIR AVE
RETREAT AVE
RIDGEFIELD ST
ROY ST
SAINT CASIMER DR
SHERMAN PL
SILVER ST
SOUTH AVE
SPRING ST
SPRINGDALE AVE
N SPRING ST
STATE ST
STATE HWY 691

ERIIS LIST OF STREETS IN THE RADIUS

ERIIS Report #173575B

Jun 18, 1997

STREET NAME
STATE STREET EXT
SUMMER ST
SUMMIT ST
TERRACE GDNS
TOOTH PL
TRUMBULL ST
TWISS ST
UNION ST
VALE AVE
VETERAN ST
VIEW ST
S VIEW ST
VILLA ST
VINE ST
S VINE ST
WALL ST
WASHINGTON AVE
WASHINGTON HTS
WATER ST
WILBUR AVE
WILLIAM AVE
WILLIS AVE
WILLOW ST
WINDSOR AVE
WINTER ST
WINTHROP TER
WOMENS WAY
WOOD ST
WOODLEY CT
YALE AVE

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION

October 7, 2003

Lucille Janatka, President & CEO
MidState Medical Center
435 Lewis Avenue
Meriden, CT 06451

RE: Draft Request for Proposal for Hazardous Material Removal Actions
Former International Silver Company/INSILCO Factory H
Cooper Street, Meriden, CT

Dear Ms. Janatka:

The Remediation Section of the Department of Environmental Protection (the Department) has reviewed the above referenced Request for Proposal (RFP) prepared by Advanced Environmental Interface, Inc. (AEI) on behalf of MidState Medical Center. The purpose of the RFP is to solicit bids for the removal of hazardous and potentially hazardous materials from the site referenced above. The actions outlined in the RFP include: removal of metal-laden dust piles and metal-impacted soil beneath former cyclone dust collectors; assessing the presence of suspected underground storage tanks (USTs); removal of UST contents; removal of above ground storage tank contents; removal of seven 55-gallon drums partially filled with waste; removal of surficial stained soil and miscellaneous debris piles; and the removal of fallen or at-risk-of-falling asbestos-containing insulation.

The Department offers the following comments on the RFP.

1. Section 6.1. Removal Actions. (4) Removal of UST Contents. During the investigation of suspected USTs on-site, if an UST is confirmed and a release of product is identified, the contractor must notify the Oil and Chemical Spill Response Unit of the Department, and subsequently notify the environmental consultant and the Department staff contact identified in Section 2.0 of the RFP. Actions necessary to mitigate the emergency condition, including collection and analysis of environmental samples, are eligible for reimbursement under the INSILCO Escrow Agreement. The performance of emergency response actions deemed necessary by the Department should not require the submittal of a written change order, per Section 14.0 of the RFP, prior to commencing the actions.

2. Section 6.1. Removal Actions. (8) Removal of Fallen or At-Risk-of Falling Asbestos Containing Insulation. Overall, the Department views the actions proposed in the RFP as necessary to stabilize the site from posing an imminent or

substantial threat to human health and/or the environment. Based on conversations with Advanced Environmental Interface, Inc., the Department believes the security of the site buildings has been compromised, and the asbestos containing insulation of interior piping has deteriorated. The Department believes that removal of friable asbestos containing insulation is eligible for reimbursement from the INSILCO Escrow Agreement because the action appears to be in the best interest of public health and safety.

However, during the pre-bid site walkover discussed in Section 10.0 of the RFP, the Department will evaluate whether complete removal of the asbestos containing insulation, securing the site buildings from trespassers, or a combination of those tasks is more appropriate at this time. Please amend the RFP to request bids on complete removal of the asbestos-containing insulation and a separate bid for securing site buildings. After the pre-bid site walkover, the Department and AEI will discuss the appropriate course of action regarding this issue.

Please incorporate these comments to the RFP, revise the date of the pre-bid site walkover, and public notice the revised RFP to solicit bids as soon as possible. Please do not hesitate to contact me at (860) 424-3797 if you have any questions regarding these comments.

Sincerely,

Raymond Frigon, Jr.
Environmental Analyst
Remediation Section
Bureau of Waste Management

c: Joseph Santovasi, Advanced Environmental Interface, Inc.
Eric Lukingbeal, Esq., Robinson & Cole

FAX

Advanced Environmental Interface, Inc.
8 Old Indian Trail
Middlefield, CT 06455

DATE: 11/14/03
TIME: 1000
Number of pages including cover sheet: 3

FROM: JOE SANTOMASI
PHONE: (860)349-3559
Fax Phone: (860)349-2286

SENT TO:

Person	Company	Fax Number
PEGGY BARNARD	CITY OF MERIDEN	(203)630-4224

Subject: DEP ACCEPTANCE OF RAP FOR HAZARDOUS MATERIAL REMOVAL ACTIONS AT FACTORY H SITE, MERIDEN, CT

REMARKS:

__ Per your request __ Urgent __ For your review/comment __ Reply ASAP X For your information

PEGGY:

I RECEIVED THE ATTACHED LETTER FROM DEP ON 11/17/03. WE PLAN TO INCORPORATE DEP'S COMMENTS + FINALIZE THE RAP OVER THE NEXT WEEK OR SO.

REGARDS,

JOE SANTOMASI

901
87884
-317-2231

ERIIS SUMMARY OF UNPLOTTABLE SITES
(Facilities sorted alphabetically within ZIP Code)

ERIIS Report #173575B Jun 18, 1997

ERIIS ID.	FACILITY/STREET	CITY/STATE/ZIP/COUNTY	DATABASE
09018000035		MERIDEN, CT COUNTY: NEW HAVEN	SWF

ERIIS Report #173575B

ERIIS ENVIRONMENTAL DATA REPORT
CONNECTICUT SOLID WASTE FACILITIES
SWF - UNPLOTTABLE SITES

Jun 18, 1997

ERIIS ID	LOCATION	PERMIT NO. EXPIRATION DATE	WASTE
09018000035	NOT REPORTED MERIDEN, CT COUNTY: NEW HAVEN	NOT REPORTED	NOT REPORTED

ENVIRONMENTAL RISK INFORMATION & IMAGING SERVICES
AERIAL PHOTOGRAPH SEARCH REPORT

The following sources have reported aerial photo coverage for the subject site USGS topoquad.
For site-specific photo availablity and ordering, please call the individual source agency or call
AIC at 1-800-945-9509 or fax this page to AIC at 512-478-5215.

ERIIS Report #173575B

VENDOR NAME	STREET	STATE	ZIP	PHONE
AGRICULTURAL STABILIZATION AND CONSERVATION SERVICE	AERAIL PHOTOGRAPHY FIELD OFFICE P O BOX 30010	UT	84130-0010	(801) 975-3503

DATE OF COVERAGE	SENSOR CLASS	PROJECT CODE	SCALE	FOCAL LENGTH	FILM TYPE	CLOUD COVER	QUADRANGLE COVERAGE	REMARKS
1951 AUG 06	VERTICAL CARTO (IMPLIES STEREO)	CNE	20000	8.25in OR 210mm	B&W	0%	50%	05
1957 JUN 09	VERTICAL CARTO (IMPLIES STEREO)	CNE	20000	8.25in OR 210mm	B&W	0%	50%	04
1967 JUN 28	VERTICAL CARTO (IMPLIES STEREO)	CNE	20000	8.25in OR 210mm	B&W	0%	50%	04
1977 MAY 16	VERTICAL CARTO (IMPLIES STEREO)		40000	6.00in OR 152mm	B&W	0%	50%	04
1951 AUG 02	VERTICAL CARTO (IMPLIES STEREO)	CNG	20000	8.25in OR 210mm	B&W	0%	50%	04
1963 JUL 06	VERTICAL CARTO (IMPLIES STEREO)	CNG	20000	8.25in OR 210mm	B&W	0%	50%	05
1970 OCT 18	VERTICAL CARTO (IMPLIES STEREO)	CNG	40000	6.00in OR 152mm	B&W	0%	50%	05
1980 SEP 19	VERTICAL CARTO (IMPLIES STEREO)		40000	6.00in OR 152mm	B&W	0%	50%	05

SOIL CONSERVATION SERVICE AERIAL PHOTOGRPAHY FIELD OFFICE	P O BOX 30010	UT	84130-0010	(801) 975-3503

DATE OF COVERAGE	SENSOR CLASS	PROJECT CODE	SCALE	FOCAL LENGTH	FILM TYPE	CLOUD COVER	QUADRANGLE COVERAGE	REMARKS
1975	VERTICAL CARTO (IMPLIES STEREO)	09009	40000	6.00in OR 152mm	B&W	0%	50%	

U S AIR FORCE DEPT OF THE AIR FORCE EDC — (800) USA-MAPS

DATE OF COVERAGE	SENSOR CLASS	PROJECT CODE	SCALE	FOCAL LENGTH	FILM TYPE	CLOUD COVER	QUADRANGLE COVERAGE	REMARKS
1959 OCT 18	VERTICAL CARTO (IMPLIES STEREO)	59035	60000	UNKOWN	B&W	0%	100%	1 0950186
1960 MAY 05	VERTICAL CARTO (IMPLIES STEREO)	59033	60000	UNKOWN	B&W	0%	100%	1 0950183

U S ARMY DEPT OF THE ARMY EDC — (800) USA-MAPS

DATE OF COVERAGE	SENSOR CLASS	PROJECT CODE	SCALE	FOCAL LENGTH	FILM TYPE	CLOUD COVER	QUADRANGLE COVERAGE	REMARKS
1958 AUG 05	VERTICAL CARTO (IMPLIES STEREO)	550	60000	UNKOWN	B&W	0%	100%	1 340940700

U S GEOLOGICAL SURVEY RESTON ESIC	507 NATIONAL CENTER	VA	22092	(703) 648-5920

DATE OF COVERAGE	SENSOR CLASS	PROJECT CODE	SCALE	FOCAL LENGTH	FILM TYPE	CLOUD COVER	QUADRANGLE COVERAGE	REMARKS
1966 MAR 08	VERTICAL CARTO (IMPLIES STEREO)	VBHP	24034	OTHER	B&W	0%	100%	
1991 APR 04	VERTICAL CARTO (IMPLIES STEREO)	VFNC	24000	OTHER	B&W	0%	100%	
1980 APR 03	VERTICAL CARTO (IMPLIES STEREO)	VEWK	80000	OTHER	B&W	0%	100%	
1972 MAY 13	VERTICAL CARTO (IMPLIES STEREO)	VCYO	76000	OTHER	B&W	0%	100%	
1986 MAR 01	VERTICAL CARTO (IMPLIES STEREO)	N4172	58000	OTHER	COLOR	0%	100%	
1986 MAR 01	VERTICAL CARTO (IMPLIES STEREO)	N4172	80000	OTHER	B&W	0%	100%	
1980 MAY 31	VERTICAL CARTO (IMPLIES STEREO)	VEWK-2	80000	6.00in OR 152mm	B&W	0%	100%	ORTHOPHOTOMAP
1984 MAY	SLAR	RADHAR	0250000	OTHER	B&W	UNK	100%	HARTFORD E
1991	VERTICAL CARTO (IMPLIES STEREO)	NP9066	0040000	6.00in OR 152mm	COLOR	0%	90%	NAPP-LEAF OFF

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, AMES RESEARCH CNTR — CONTACT U S GEOLOGICAL SURVEY ESIC OFFICES — (800) USA-MAPS

DATE OF COVERAGE	SENSOR CLASS	PROJECT CODE	SCALE	FOCAL LENGTH	FILM TYPE	CLOUD COVER	QUADRANGLE COVERAGE	REMARKS
1972 JUN 08	VERTICAL RECONNAISSANCE	00431	128000	1.75in OR 44mm	COLOR	90%	100%	572000431 1051 1

ENVIRONMENTAL RISK INFORMATION & IMAGING SERVICES
AERIAL PHOTOGRAPH SEARCH REPORT

The following sources have reported aerial photo coverage for the subject site USGS topoquad.
For site-specific photo availablity and ordering, please call the individual source agency or call
AIC at 1-800-945-9509 or fax this page to AIC at 512-478-5215.

VENDOR NAME	STREET	STATE	ZIP	PHONE

DATE OF COVERAGE	SENSOR CLASS	PROJECT CODE	SCALE	FOCAL LENGTH	FILM TYPE	CLOUD COVER	QUADRANGLE COVERAGE	REMARKS
1972 AUG 20	VERTICAL RECONNAISSANCE	00632	130000	6.00in OR 152mm	COLOR	0%	100%	572000632 3148 3
1972 AUG 20	VERTICAL RECONNAISSANCE	00632	130000	6.00in OR 152mm	COLOR	10%	50%	572000632 3152 3
1973 JAN 31	VERTICAL RECONNAISSANCE	00942	124000	6.00in OR 152mm	COLOR	0%	20%	573000942 8431 8
1974 JUL 17	VERTICAL RECONNAISSANCE	01861	64000	12.00in OR	COLOR	0%	20%	574001861 0304 0
1974 JUL 17	VERTICAL RECONNAISSANCE	01861	64000	12.00in OR	COLOR	0%	30%	574001861 0205 0
1974 JUL 17	VERTICAL RECONNAISSANCE	01861	65000	12.00in OR	COLOR	0%	80%	574001861 0309 0

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, JS	JOHNSON SPACE CENTER			(800) USA-MPAS

DATE OF COVERAGE	SENSOR CLASS	PROJECT CODE	SCALE	FOCAL LENGTH	FILM TYPE	CLOUD COVER	QUADRANGLE COVERAGE	REMARKS
1970 JUN 28	VERTICAL RECONNAISSANCE	128D	53939	12.00in OR	COLOR	20%	60%	6128D0B30 0012 0
1970 JUN 28	VERTICAL RECONNAISSANCE	128D	54703	12.00in OR	COLOR	10%	80%	6128D0B30 0031 0
1970 JUN 28	VERTICAL RECONNAISSANCE	128D	99522	6.00in OR 152mm	COLOR	0%	60%	6128D0100 4405 4
1970 JUN 28	VERTICAL RECONNAISSANCE	128D	100061	6.00in OR 152mm	B&W	0%	50%	6128D0110 4754 4
1970 JUN 28	VERTICAL RECONNAISSANCE	128D	100521	6.00in OR 152mm	COLOR	20%	80%	6128D0100 4395 4
1970 JUN 28	VERTICAL RECONNAISSANCE	128D	101253	6.00in OR 152mm	COLOR	10%	100%	6128D0100 4406 4
1970 JUN 28	VERTICAL RECONNAISSANCE	128D	101842	6.00in OR 152mm	COLOR	10%	50%	6128D0100 4401 4
1970 JUN 28	VERTICAL RECONNAISSANCE	128D	101900	6.00in OR 152mm	B&W	10%	100%	6128D0110 4755 4
1970 JUN 28	VERTICAL RECONNAISSANCE	128D	102256	6.00in OR 152mm	B&W	20%	80%	6128D0110 4744 4
1970 JUN 28	VERTICAL RECONNAISSANCE	128D	102324	6.00in OR 152mm	B&W	10%	50%	6128D0110 4750 4
1973 AUG 29	VERTICAL RECONNAISSANCE	2480	60780	12.00in OR	COLOR	10%	100%	624801030 0193 0
1973 AUG 29	VERTICAL RECONNAISSANCE	2480	118494	6.00in OR 152mm	COLOR	10%	100%	624801010 0153 0
1973 AUG 29	VERTICAL RECONNAISSANCE	2480	121744	6.00in OR 152mm	COLOR	10%	100%	624801020 0154 0
1973 SEP 23	VERTICAL RECONNAISSANCE	2480	122385	6.00in OR 152mm	COLOR	10%	50%	624801510 0177 0
1973 SEP 23	VERTICAL RECONNAISSANCE	2480	123530	6.00in OR 152mm	COLOR	40%	60%	624801510 0173 0
1973 SEP 24	VERTICAL RECONNAISSANCE	2480	122769	6.00in OR 152mm	COLOR	40%	90%	624801530 0093 0
1973 SEP 24	VERTICAL RECONNAISSANCE	2480	124824	6.00in OR 152mm	COLOR	20%	40%	624801530 0099 0

AERIAL DATA REDUCTION ASSOCIATION INC	P O BOX 557	NJ	08110	(609) 663-7200

DATE OF COVERAGE	SENSOR CLASS	PROJECT CODE	SCALE	FOCAL LENGTH	FILM TYPE	CLOUD COVER	QUADRANGLE COVERAGE	REMARKS
1975	VERTICAL CARTO (IMPLIES STEREO)		0012000	6.00in OR 152mm	B&W	0%	50%	LEAFOFF CONN ST
1980	VERTICAL CARTO (IMPLIES STEREO)		0012000	6.00in OR 152mm	B&W	0%	50%	LEAFOFF CONN ST
1985	VERTICAL CARTO (IMPLIES STEREO)		0012000	6.00in OR 152mm	B&W	0%	50%	LEAFOFF CONN ST
1990	VERTICAL CARTO (IMPLIES STEREO)		0012000	6.00in OR 152mm	B&W	0%	50%	LEAFOFF CONN ST
1975	VERTICAL CARTO (IMPLIES STEREO)		0012000	6.00in OR 152mm	B&W	0%	50%	LEAFOFF CONN ST
1980	VERTICAL CARTO (IMPLIES STEREO)		0012000	6.00in OR 152mm	B&W	0%	50%	LEAFOFF CONN ST
1985	VERTICAL CARTO (IMPLIES STEREO)		0012000	6.00in OR 152mm	B&W	0%	50%	LEAFOFF CONN ST
1990	VERTICAL CARTO (IMPLIES STEREO)		0012000	6.00in OR 152mm	B&W	0%	50%	LEAFOFF CONN ST

AEROGRAPHICS INC	P O BOX 248	NY	11716	(516) 589-6045

DATE OF COVERAGE	SENSOR CLASS	PROJECT CODE	SCALE	FOCAL LENGTH	FILM TYPE	CLOUD COVER	QUADRANGLE COVERAGE	REMARKS
1980 APR	VERTICAL CARTO (IMPLIES STEREO)	08005	12000	6.00in OR 152mm	B&W	0%	50%	HARTFORD COUNTY
1980 APR	VERTICAL CARTO (IMPLIES STEREO)	08005	12000	6.00in OR 152mm	B&W	0%	50%	NEW HAVEN COUNTY

ENVIRONMENTAL RISK INFORMATION & IMAGING SERVICES
AERIAL PHOTOGRAPH SEARCH REPORT

The following sources have reported aerial photo coverage for the subject site USGS topoquad.
For site-specific photo availablity and ordering, please call the individual source agency or call
AIC at 1-800-945-9509 or fax this page to AIC at 512-478-5215.

ERIIS Report #173575B

VENDOR NAME	STREET	STATE	ZIP	PHONE
KEYSTONE AERIAL SURVEYS INC NORTHEAST PHILADELPHIA AIRPORT	P O BOX 21059	PA	19114	(215) 677-3119

DATE OF COVERAGE	SENSOR CLASS	PROJECT CODE	SCALE	FOCAL LENGTH	FILM TYPE	CLOUD COVER	QUADRANGLE COVERAGE	REMARKS
1965 JUN	VERTICAL CARTO (IMPLIES STEREO)		18000	6.00in OR 152mm	COLOR	0%	50%	SPRING COVERAGE
1970 JUN	VERTICAL CARTO (IMPLIES STEREO)		12000	6.00in OR 152mm	COLOR	0%	50%	SPRING COVERAGE
1976 JUN	VERTICAL CARTO (IMPLIES STEREO)		12000	6.00in OR 152mm	COLOR	0%	50%	SPRING COVERAGE
1965 JUN	VERTICAL CARTO (IMPLIES STEREO)		18000	6.00in OR 152mm	COLOR	0%	50%	SPRING COVERAGE
1970 JUN	VERTICAL CARTO (IMPLIES STEREO)		12000	6.00in OR 152mm	COLOR	0%	50%	SPRING COVERAGE
1976 JUN	VERTICAL CARTO (IMPLIES STEREO)		12000	6.00in OR 152mm	COLOR	0%	50%	SPRING COVERAGE
1976 FEB 29	VERTICAL CARTO (IMPLIES STEREO)		80000	6.00in OR 152mm	B&W	0%	100%	QUAD CENTERED

VENDOR NAME	STREET	STATE	ZIP	PHONE
AIR SURVEY CORP	45180 BUSINESS COURT	VA	22170-6702	(703) 471-4510

DATE OF COVERAGE	SENSOR CLASS	PROJECT CODE	SCALE	FOCAL LENGTH	FILM TYPE	CLOUD COVER	QUADRANGLE COVERAGE	REMARKS
1965 APR	VERTICAL CARTO (IMPLIES STEREO)	1339	0006000	6.00in OR 152mm	B&W	0%	30%	MERIDIAN, CT
1965 APR	VERTICAL CARTO (IMPLIES STEREO)	1339	0012000	6.00in OR 152mm	B&W	0%	30%	MERIDIAN, CT

HISTORIC FACILITIES MAP SEARCH

ERIIS Report #173575B

Jun 18, 1997

MAP TYPE

MANUFACTURERS MUTUAL MAPS

MAP ID	FACILITY	CITY, STATE	DISTANCE FROM SITE	DIRECTION FROM SITE
19324	BRADLEY & HUBBARD MANUFACTURING COMPANY	MERIDEN, CT	0 Mi	NORTHEAST

ERIIS ASTM STATISTICAL PROFILE
State: CT

ERIIS Report #173575B

Jun 18, 1997

Site:
COOPER STREET
MERIDEN, CT 06540

Latitude: 41.534067
Longitude: -72.806826

Database	Radius (Mi)	Target Area**	Property-1/4	1/4-1/2	1/2-1	>1	TOTAL
NPL	1		0	0	0		0
RCRIS_CA	1		0	0	1		1
RCRIS_TS	1		0	0	1		1
CERCLIS	.5		0	0			0
NFRAP	.5		0	0			0
RCRIS_LG	.25		0				0
RCRIS_SG	.25		2				2
ERNS	.05		0				0
HWS	1		0	0	3		3
LRST	.5		0	3			3
SWF	.5		0	0			0
RST	.25		12				12
			14	3	5	0	22

TOPO QUAD: Meriden

Radon Zone Level: 1

Zone 1 has a predicted average indoor screening level > than 4 pCi/L

A Radon Zone should not be used to determine if individual homes need to be tested for radon.
The EPA's Office of Radiation and Indoor Air (202/233-9320) recommends that all homes be tested for radon, regardless of geographic location or the zone designation in which the property is located.

**A target area is defined as a .02 mile buffer around the site's latitude and longitude.

A blank radius count indicates that the database was not searched by this radius per client instructions.

NR in a radius count indicates that the database cannot be reported by this search criteria due to insufficient and/or inaccurate addresses reported by a federal/state agency.

NPL
Date of Data: 04/01/1997
Release Date: 05/06/1997
Date on System: 05/23/1997
US Environmental Protection Agency
Office of Solid Waste and Emergency Response
703/603-8881

National Priorities List

The NPL Report is an EPA listing of the nation's worst uncontrolled or abandoned hazardous waste sites. NPL sites are targeted for possible long-term remedial action under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980. In addition, the NPL Report includes information concerning cleanup agreements between EPA and Potentially Responsible Parties (commonly called Records of Decision, or RODS), any liens filed against contaminated properties, as well as the past and current EPA budget expenditures tracked within the Superfund Consolidated Accomplishments Plan (SCAP).

RCRIS_CA
Date of Data: 10/01/1996
Release Date: 12/16/1996
Date on System: 04/25/1997
US Environmental Protection Agency
Office of Solid Waste and Emergency Response
800/424-9346

Resource Conservation and Recovery Information System - Corrective Action Sites

The RCRIS_CA Report contains information pertaining to hazardous waste treatment, storage , and disposal Facilities (RCRA TSD's) which have conducted, or are currently conducting, a corrective action(s) as regulated under the Resource Conservation and Recovery Act. The following information is included within the RCRIS_CA Report:
- Information pertaining to the status of facilities tracked by the RCRA Administrative Action Tracking System (RAATS)
- Inspections & evaluations conducted by federal and state agencies
- All reported facility violations, the environmental statute(s) violated, and any proposed & actual penalties
- Information pertaining to corrective actions undertaken by the facility or EPA
- A complete listing of EPA regulated hazardous wastes which are generated or stored on-site

RCRIS_TS
Date of Data: 10/01/1996
Release Date: 12/16/1996
Date on System: 03/14/1997
US Environmental Protection Agency
Office of Solid Waste and Emergency Response
800/424-9346

Resource Conservation and Recovery Information System - Treatment, Storage, And Disposal Facilities

The RCRIS_TS Report contains information pertaining to facilities which either treat, store, or dispose of EPA regulated hazardous waste. The following information is also included in the RCRIS_TS Report:

- Information pertaining to the status of facilities tracked by the RCRA Administrative Action Tracking System (RAATS)
- Inspections & evaluations conducted by federal and state agencies
- All reported facility violations, the environmental statute(s) violated, and any proposed & actual penalties
- Information pertaining to corrective actions undertaken by the facility or EPA
- A complete listing of EPA regulated hazardous wastes which are generated or stored on-site

CERCLIS
Date of Data: 04/01/1997
Release Date: 05/06/1997
Date on System: 05/23/1997
US Environmental Protection Agency
Office of Solid Waste and Emergency Response
703/603-8881

Comprehensive Environmental Response, Compensation, and Liability Information System

The CERCLIS Database is a comprehensive listing of known or suspected uncontrolled or abandoned hazardous waste sites. These sites have either been investigated, or are currently under investigation by the U.S. EPA for the release, or threatened release of hazardous substances. Once a site is placed in CERCLIS, it may be subjected to several levels of review and evaluation, and ultimately placed on the National Priorities List (NPL). In addition to site events and milestone dates, the CERCLIS Report also contains financial information from the Superfund Consolidated Accomplishments Plan (SCAP).

NFRAP
Date of Data: 04/01/1997
Release Date: 05/06/1997
Date on System: 05/23/1997
US Environmental Protection Agency
Office of Solid Waste and Emergency Response
703/603-8881

No Further Remedial Action Planned Sites

The No Further Remedial Action Planned Report (NFRAP), also known as the CERCLIS Archive, contains information pertaining to sites which have been removed from the U.S. EPA's CERCLIS Database. NFRAP sites may be sites where, following an initial investigation, either no contamination was found, contamination was removed quickly without 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.

RCRIS_LG
Date of Data: 10/01/1996
Release Date: 12/16/1996
Date on System: 03/14/1997
US Environmental Protection Agency
Office of Solid Waste and Emergency Response
800/424-9346

Resource Conservation and Recovery Information System - Large Quantity Generators

The RCRIS_LG Report contains information pertaining to facilities which either generate more than 1000kg of EPA regulated hazardous waste per month, or meet other applicable requirements of the Resource Conservation And Recovery Act. The following information is also included in the RCRIS_LG Report:
- Information pertaining to the status of facilities tracked by the RCRA Administrative Action Tracking System (RAATS)
- Inspections & evaluations conducted by federal and state agencies
- All reported facility violations, the environmental statute(s)

violated, and any proposed & actual penalties
- Information pertaining to corrective actions undertaken by the facility or EPA
- A complete listing of EPA regulated hazardous wastes which are generated or stored on-site

RCRIS_SG
Date of Data: 10/01/1996
Release Date: 12/16/1996
Date on System: 03/14/1997
US Environmental Protection Agency
Office of Solid Waste and Emergency Response
800/424-9346

Resource Conservation and Recovery Information System - Small Quantity Generators

The RCRIS_SG Report contains information pertaining to facilities which either generate between 100kg and 1000kg of EPA regulated hazardous waste per month, or meet other applicable requirements of the Resource Conservation And Recovery Act. On advice of the U.S. EPA, ERIIS does not report so-called "RCRA Protective Filers." Protective Filers, commonly called Conditionally Exempt Small Quantity Generators (CESQG's), are facilities that have completed RCRA notification paperwork, but are not, in fact, subject to RCRA regulation. The determination of CESQG status is made by the U.S. EPA. The following information is also included in the RCRIS_SG Report:
- Information pertaining to the status of facilities tracked by the RCRA Administrative Action Tracking System (RAATS)
- Inspections & evaluations conducted by federal and state agencies
- All reported facility violations, the environmental statute(s) violated, and any proposed & actual penalties
- Information pertaining to corrective actions undertaken by the facility or EPA
- A complete listing of EPA regulated hazardous wastes which are generated or stored on-site

ERNS
Date of Data: 03/20/1997
Release Date: 03/31/1997
Date on System: 05/09/1997
US Environmental Protection Agency
Office of Solid Waste and Emergency Response
202/260-2342

Emergency Response Notification System

ERNS is a national computer database system that is used to store information concerning the sudden and/or accidental release of hazardous substances, including petroleum, into the environment. The ERNS Reporting System contains preliminary information on specific releases, including the spill location, the substance released, and the responsible party. Please note that the information in the ERNS Report pertains only to those releases that occured between January 1, 1997 and March 20, 1997.

HWS
Date of Data: 01/09/1997
Release Date: 03/31/1997
Date on System: 04/18/1997
CT Dept. of Environmental Protection
Waste Management Bureau
860/424-3705

Connecticut Hazardous Waste Disposal Sites

The Connecticut Hazardous Waste Disposal Sites Report contains summary information concerning facilities that store, process, or dispose of regulated hazardous waste.

LRST
Date of Data: 12/31/1996
Release Date: 01/06/1997
Date on System: 03/21/1997
CT Dept. of Environmental Protection
LUST Trust Program/Bureau of Waste Management
860/424-3662

Connecticut Leaking Underground Storage Tank Report

The Connecticut Leaking Underground Storage Tank Report contains summary information pertaining to all reported active and inactive leaking underground storage tanks located within the State of Connecticut.

SWF
Date of Data: 06/01/1996
Release Date: 03/12/1997
Date on System: 04/11/1997
CT Dept. of Environmental Protection
Waste Management Bureau
860/424-3366

Connecticut Solid Waste Facilities Report

The Connecticut Solid Waste Facilities Report is a comprehensive listing of all permitted solid waste landfills and processing facilities operating within the State of Connecticut.

RST
Date of Data: 04/20/1995
Release Date: 05/01/1995
Date on System: 06/19/1995
CT Dept. of Environmental Protection
Bureau of Waste Management
860/424-3376

Connecticut Underground Storage Tank Report

The Connecticut Underground Storage Tank Report is a comprehensive listing of all registered active and inactive underground storage tanks located within the State of Connecticut.

ERIIS Topo Viewer

505 Huntmar Park Dr, Suite 200
Herndon, VA 22070
(703)834-0600 (800)989-0402
FAX: (703)834-0606

Site Information

Cooper Street
Meriden, CT

MAP LEGEND

- Target Area
- Radii .25, .5, 1 Mi
- Hydrography
- Railroads
- Roads
- Highways
- NPL 0 Sites
- RCRIS_TS 1 Site
- RCRIS_CA 1 Site
- CERCLIS 0 Sites
- NFRAP 0 Sites
- RCRIS_LG 0 Sites
- RCRIS_SG 2 Sites
- ERNS 0 Sites
- HWS 3 Sites
- LRST 3 Sites
- SWF 0 Sites
- RST 12 Sites

Radii - 1/4, 1/2, 1 Mi
scale 1:24,000

Job Number: 173575B
Map Plotted: Jun 19, 1997

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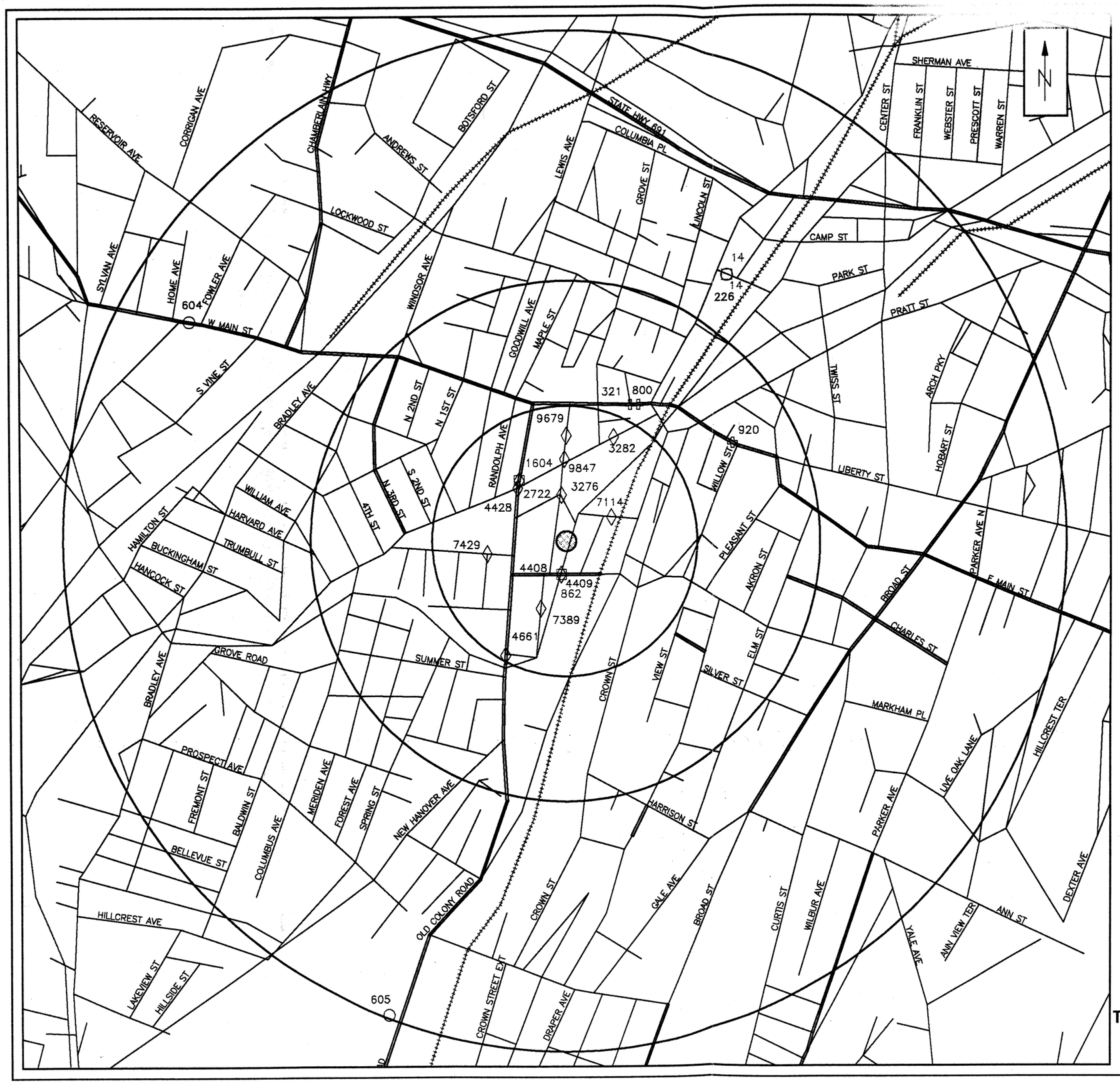

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SITE INFORMATION

Cooper Street
Meriden, CT
New Haven County
Job Number: 173575B
Map Plotted: Jun 18, 1997

MAP LEGEND

- Target Area
- Radii .25, .5, 1 Mi
- Hydrography
- Railroads
- Roads
- Highways
- NPL 0 Sites
- RCRIS_TS 1 Site
- RCRIS_CA 1 Site
- CERCLIS 0 Sites
- NFRAP 0 Sites
- RCRIS_LG 0 Sites
- RCRIS_SG 2 Sites
- ERNS 0 Sites
- HWS 3 Sites
- LRST 3 Sites
- SWF 0 Sites
- RST 12 Sites

Miles

0 0.25 0.5

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

WAR DEPARTMENT
CORPS OF ENGINEERS, U. S. ARMY

CONNECTICUT
MERIDEN QUADRANGLE
7½-MINUTE SERIES

Mapped by the Geological Survey
1943-1944

Gray tint indicates area in which only landmark buildings are shown

YALESVILLE 2.5 MI.

FILE COPY

Scale 1:62500

USGS
Historical File
Topographic Division
ROAD CLASSIFICATION
1946

Polyconic projection. 1927 North American dat
5000 yard grid based on U.S. zone system A
10000 foot grid based on Connecticut rectangular coordinate system

MERIDEN, CON
Edition of 1946

Contour interval 10 feet

WALLINGFORD 3.2 MI.
NEW HAVEN (CIVIC CENTER) 16 MI.

Historic Topo
N.C.I.C.
AGENCY

Environmental Risk Information & Imaging Services

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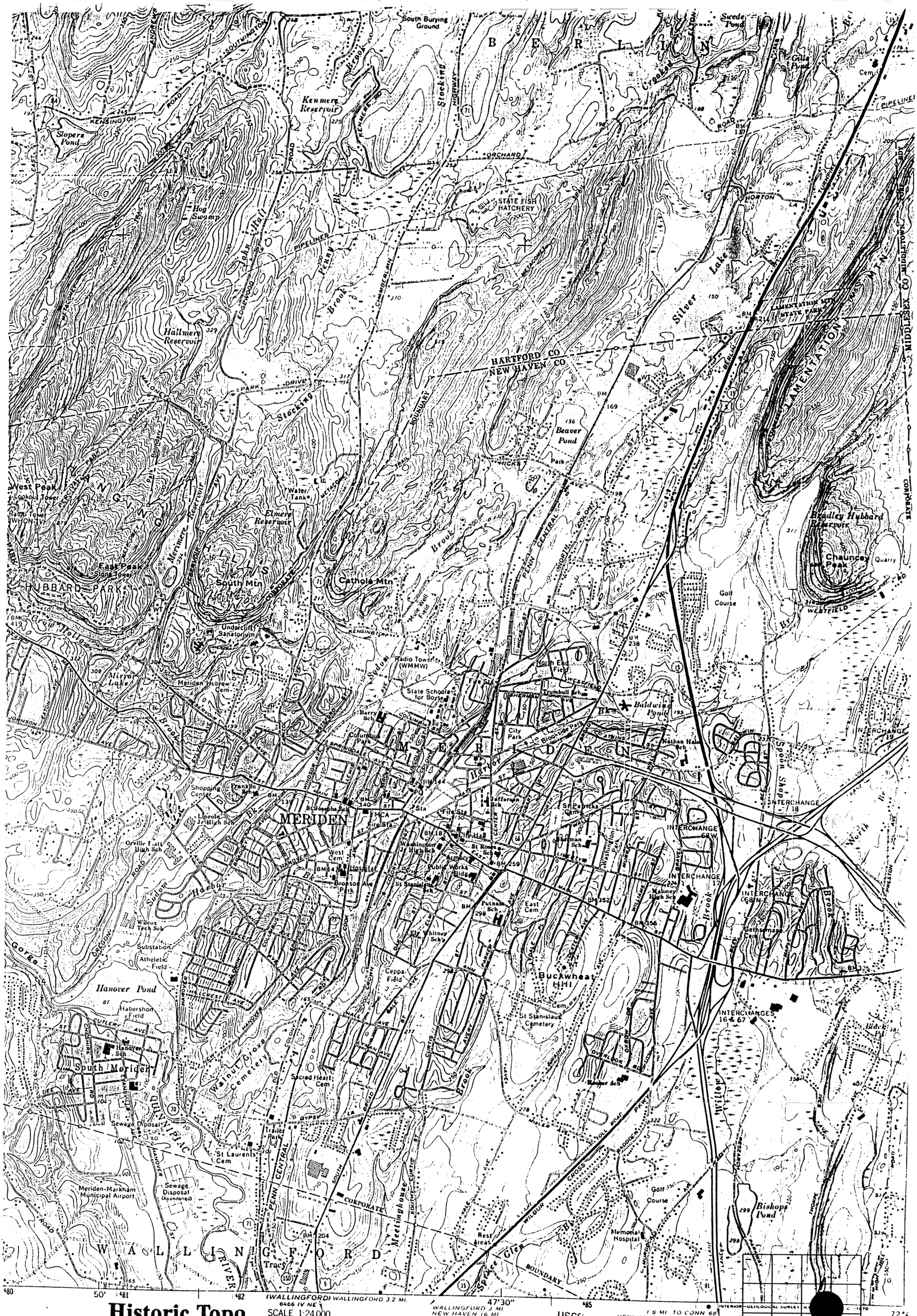
1946



Historic Topo

Environmental Risk Information & Imaging Services

Cartographic Division

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ERIS

ROAD CLASSIFICATION

Heavy duty — 4 LANE · 6 LANE

Light duty — 2 LANE · 4 LANE

Unimproved

U.S. Route

State Route

CONTOUR INTERVAL 20 FEET

NATIONAL GEODETIC VERTICAL DATUM OF 1929

SCALE 1:24 000

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 KILOMETER

1 MILE

1 STATUTE MILE

1 NAUTICAL MILE

1 KILOMETER

1 MILE

1 STATUTE MILE

1 NAUTICAL MILE

1955 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

GN

TN

MN

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1955

PERTAINING TO:
COOPER STREET
MERIDEN, CT 06540

REPORT NUMBER:
175394A

PREPARED ON:
06/26/1997

ON BEHALF OF:
Roy F. Weston, Inc.
217 Middlesex Turnpike
Burlington, MA 01803

If you have any questions or comments regarding this report, please contact ERIIS Customer Service at 1-800-989-0403, locally at 703-834-0600, or fax us at 703-834-0606. Thank you for your order.

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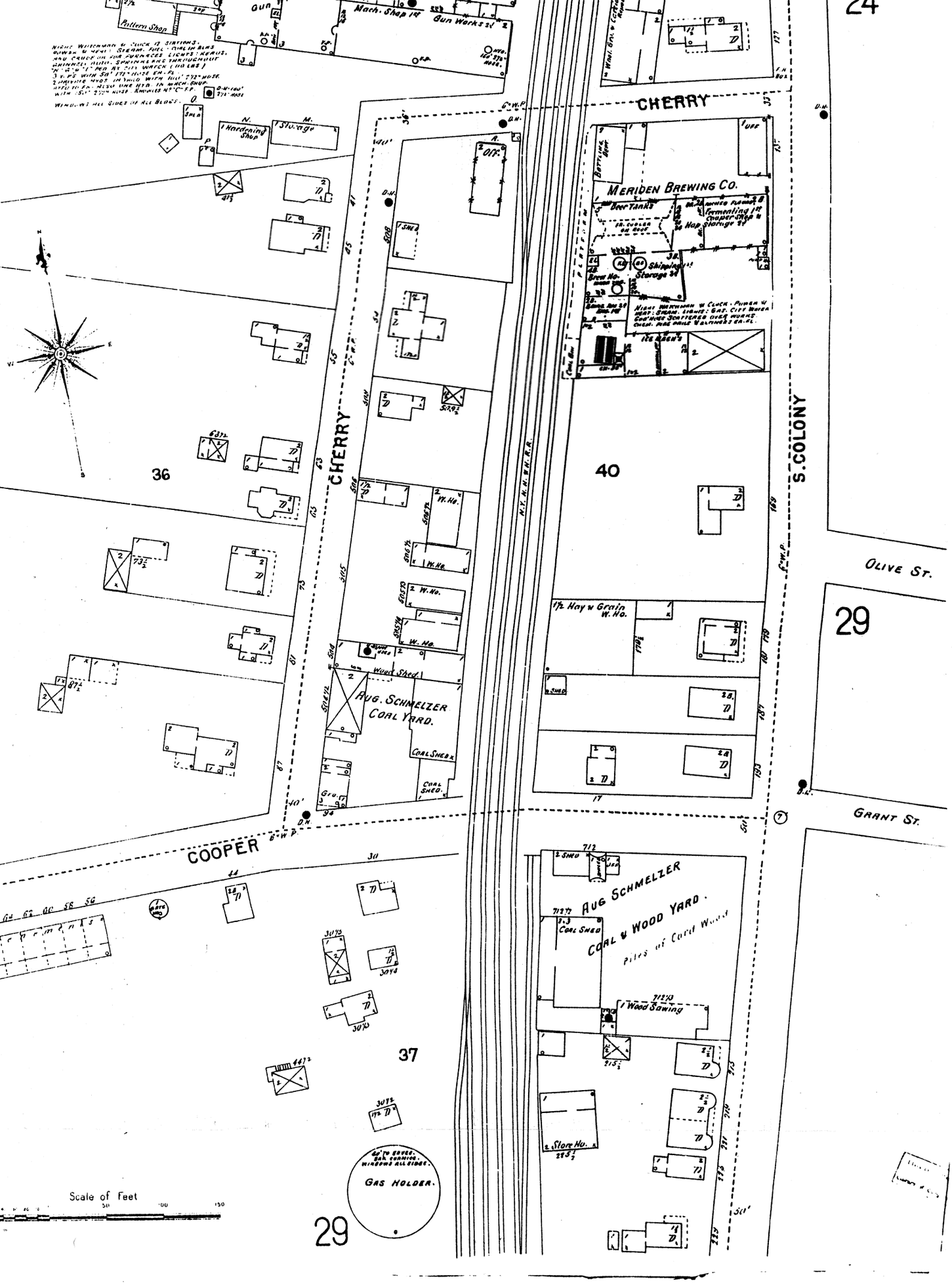

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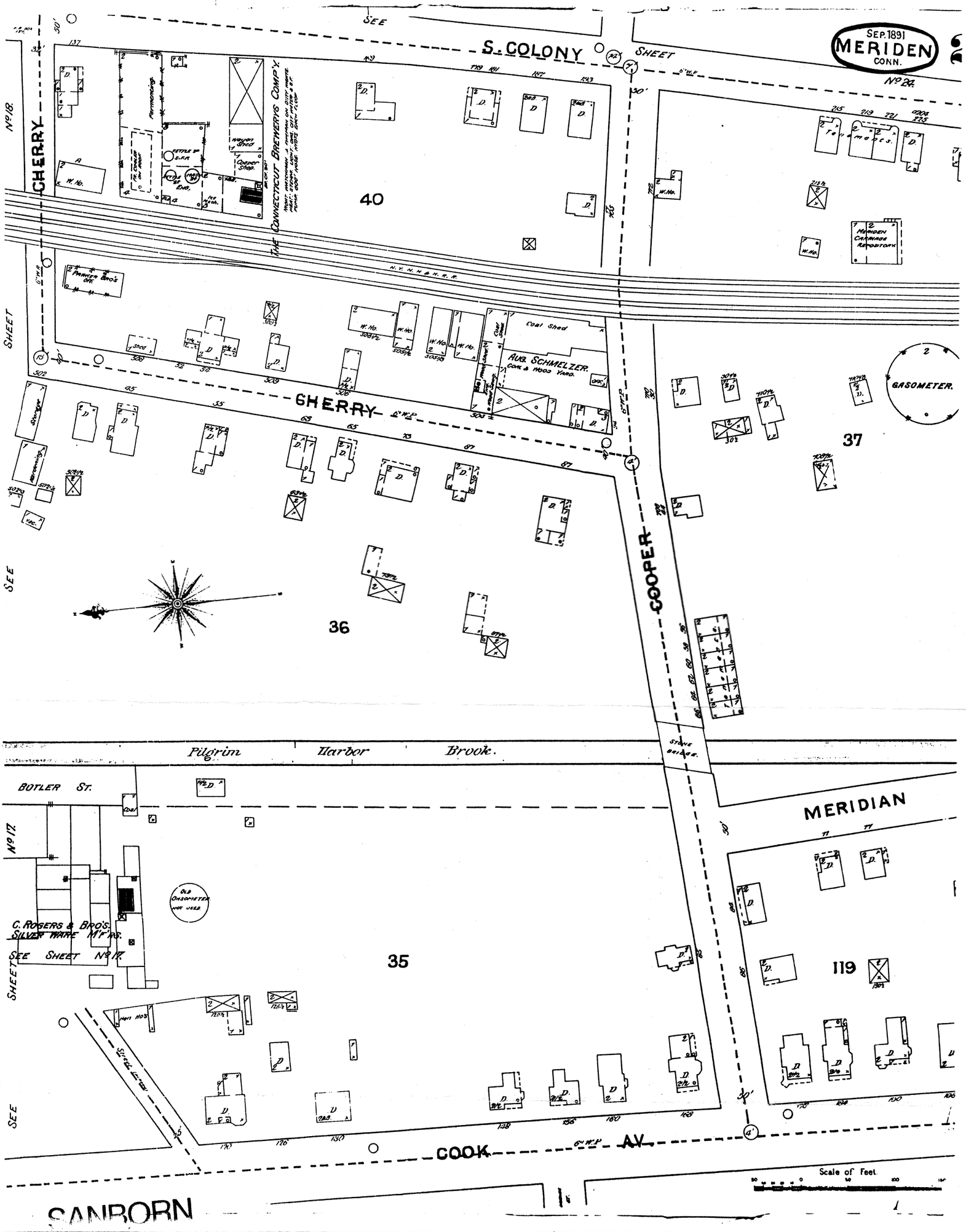
1896



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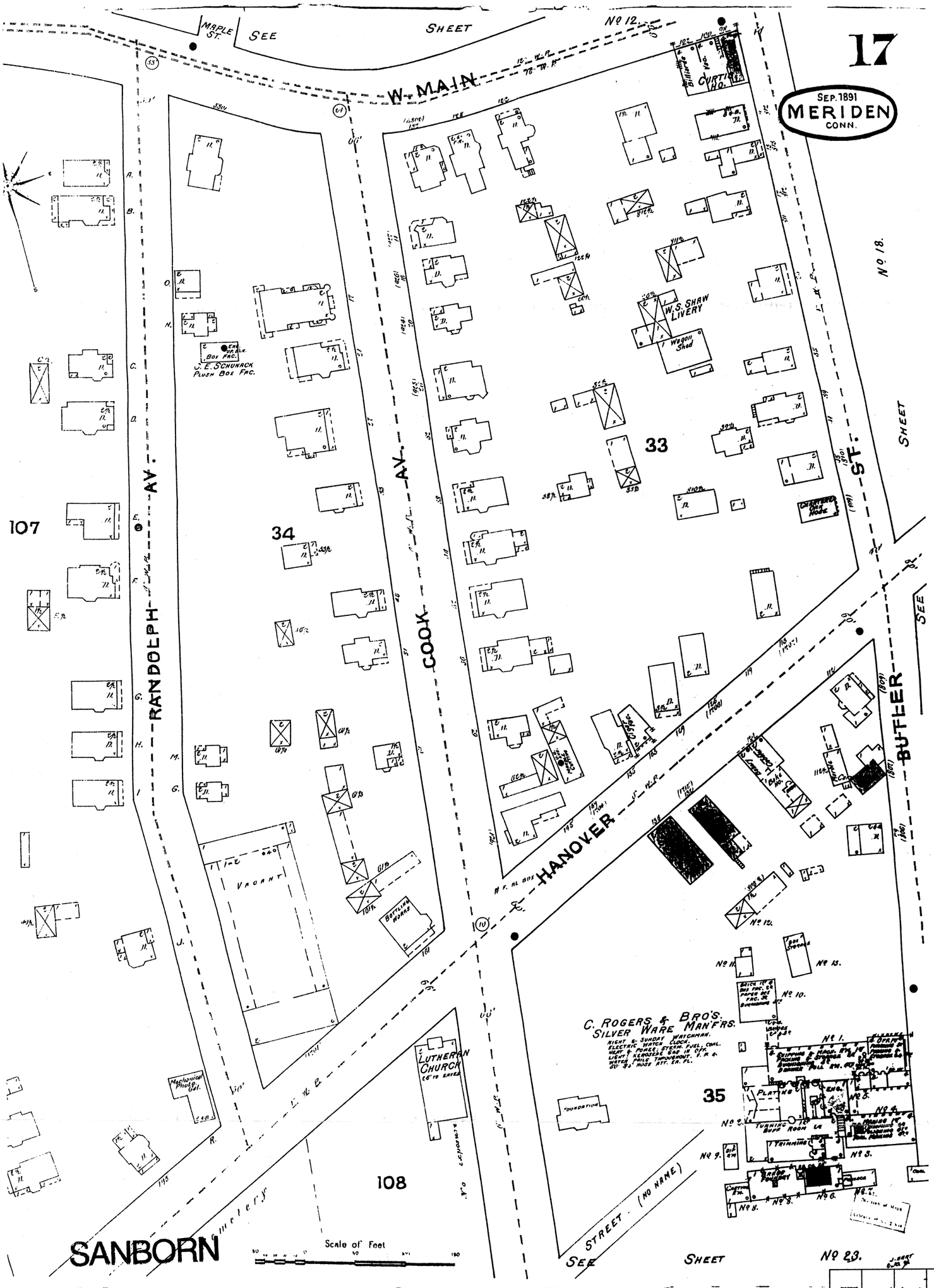
FOSTER

1891



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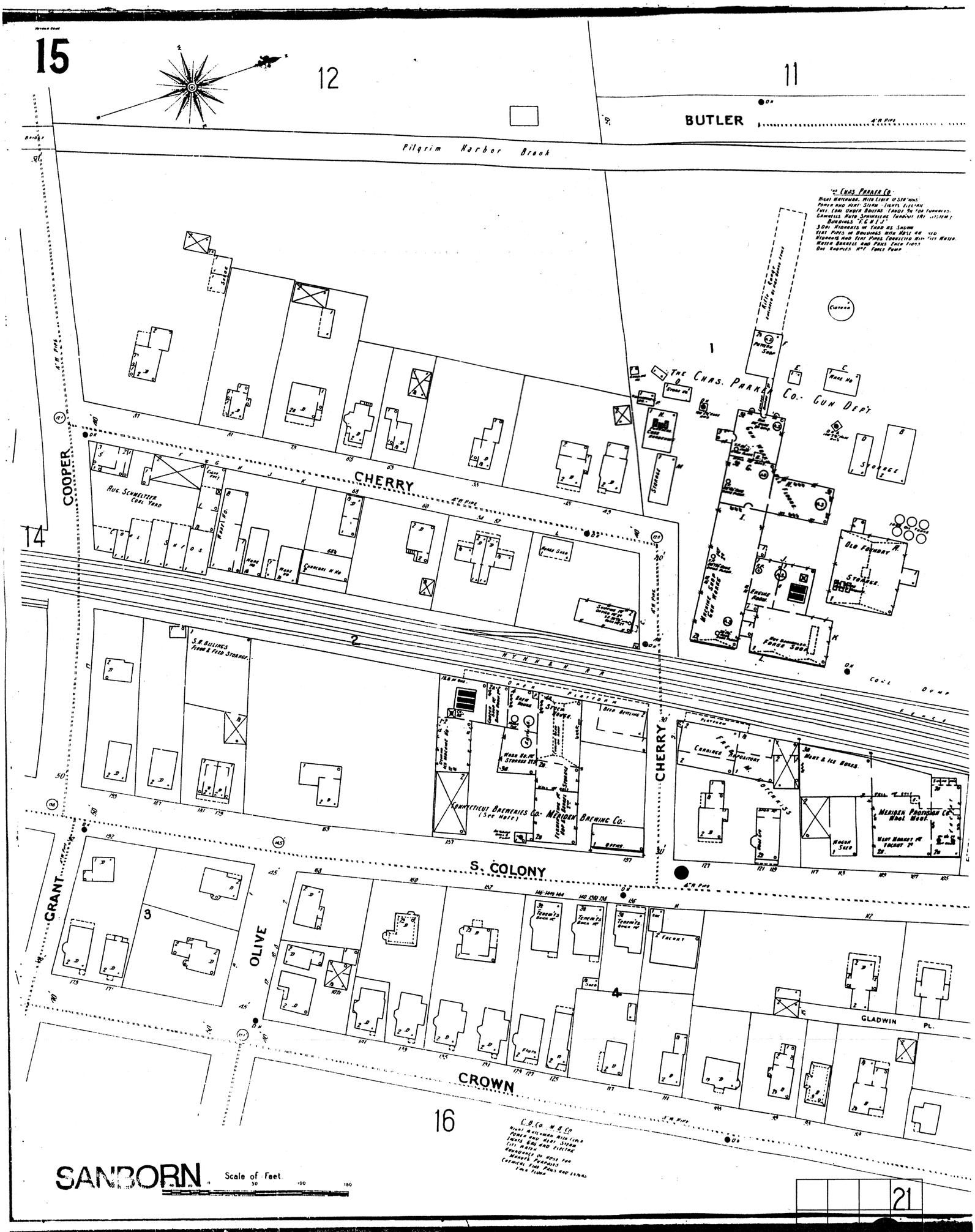

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1901

Vita Nuova Llc
31A Jeremiah Road
Sandy Hook CT 06482
Phone (203) 270-3413
Fax (203) 270-3422

Invoice

DATE	INVOICE #
7/9/2012	2054

BILL TO
City Of Meriden Economic Development Room 217 142 East Main Street Meriden, CT

DUE DATE	P.O. NUMBER
8/8/2012	67935

ITEM	DESCRIPTION	QTY	RATE	AMOUNT
Consulting	Senior Project Manager	3.5	165.00	577.50
Consulting	Senior Associate	2	145.00	290.00
Consulting	Project Manager	4	90.00	360.00

Subtotal	1,227.50
6.35% Tax	
Total	1,227.50

Activities

Meriden Brownfields

6/1/12 - 6/30/12

Date	Activity	Personnel	Level	Hours	Rate	Total
6/1 - 6/2	B & B meeting/brownfields guide	MT	SPM,	3	165	$ 495.00
	create outline	ER	SA	2	145	$ 290.00
6/3 - 6/9	upload photos/create FTP	SD	PM	3	90	$ 270.00
6/10 - 6/16						$ -
						$ -
6/17 - 6/23	add more photos	SD	PM	1	90	$ 90.00
	follow-up w/client	MT	SPM	0.5	165	$ 82.50
6/24 - 6/30						
					Total Pay	$ 1,227.50

WESTON
MANAGERS DESIGNERS CONSULTANTS

MEMORADUM

To: James Byrne, EPA Region I Task Monitor

From: Daniel J. Keefe, Roy F. Weston, Inc., Superfund Technical Assessment and Response Team (START) DK

Thru: David Costolnick, Roy F. Weston, Inc., State of Connecticut Licensed Environmental Professional (LEP)

Date: 23 August 1999

RE: Cleanup Summary Memorandum for the International Silver Brownfields Targeted Site Assessment (BTSA); TDD No. 99-05-0230; PCS No. 7107; DC No. A-4129

START personnel have reviewed the existing analytical data as well as historical information, and identified the following major source areas on the International Silver Co. (INSILCO) property: numerous underground storage tanks (USTs); six above ground storage tanks (ASTs); soil primarily contaminated with volatile organic compounds (VOCs), total petroleum hydrocarbons (TPHs) and metals; dust piles containing elevated concentrations of heavy metals; and miscellaneous building debris/insulation which has been identified as asbestos-containing material (ACM).

1. Underground Storage Tanks

START is aware of five USTs; however, based on file information, as many as 12 USTs (in total) may be on the INSILCO property. In addition to the USTs, START assumes underground piping exists which may contain product or require removal concurrently with the USTs. Based on the collection and analysis of samples by ICF Kaiser and START (as part of an EPA Removal Program Site Investigation) the following material may have been stored (and/or are currently contained) in the USTs: gasoline, diesel, fuel oil, and kerosene. Specifically, the detection of BTEX compounds (benzene, toluene, ethyl benzene, and xylenes) by ICF Kaiser is consistent with the use of some of these USTs for petroleum products. In regards to this source, START recommends that all USTs be located, labeled, and the contents (if any) further characterized to determine if "fuels blending" (as a method of disposal) is appropriate. It may be appropriate to conduct a geophysical survey (i.e., ground-penetrating radar and/or a magnetometer survey) to locate additional USTs and/or underground piping. All USTs will require closure according to applicable Connecticut Department of Environmental Protection (CT DEP) regulations. This may include removal of any remaining product from each UST, excavating the UST and adjacent soil, collecting post-excavation soil samples from the UST grave to determine if a release has occurred and, if so, excavating additional soil until the CT DEP Remediation Standards (both the Direct Exposure Criteria and Pollutant Mobility Criteria) have been met. All or some combination of the following analyses may be required: total petroleum hydrocarbons (TPH), aromatic

and halogenated VOCs, semi-volatile organic compounds (SVOCs), polychlorinated biphenls (PCBs), total metals, and leachable metals. Leachable metals can be determined via the Synthetic Precipitation Leaching Procedure (SPLP) or the Toxicity Characteristic Leaching Procedure (TCLP).

2. Above ground Storage Tanks

START has identified six ASTs in three locations (including the 150,000-gallon water tower). With the exception of the water tower, which is located just south of Building C, the remaining ASTs are relatively small (i.e., less than 1,500-gallons). Specifically, two 300-gallon ASTs are located inside Building A, and two 200-gallon ASTs and one 1,500-gallon AST are located inside Building C. The former uses of each of the ASTs are largely unknown; however, based on the historical uses of the property, START assumes that the majority of the ASTs (with the exception of the water tower) were used for plating operations. START recommends that all of the residual material (if any) contained in the ASTs be sampled for total metals, cyanide, aromatic and halogenated VOCs, pH, flashpoint and reactivity. Based on the sample results, this material may require disposal at a hazardous waste landfill. The ASTs, once decontaminated, can potentially be disposed of as scrap metal. The area surrounding the ASTs may require further investigation. The containment features of the floor (underneath and surrounding the AST) should be assessed. Cracked or deteriorated (or the absence of) pavement or concrete would necessitate the collection of soil samples. Results above the Connecticut Remediation Standards would require excavation and subsequent sampling to ensure that cleanup goals have been met.

3. Contaminated Soil

Numerous investigations have been completed which document a contamination soil source with (primarily) VOCs and TPHs in the northeastern and central portion of the property, respectively. The relative size of each contaminated soil source can be estimated from the results of completed soil gas surveys, soil boring activities, and groundwater well sampling.

In August 1998, a soil gas survey was completed on six areas of concern (AOC) by START personnel. Samples were collected and analyzed on site for VOCs. Of the six AOCs investigated, two AOCs had detectable concentrations of VOCs. Specifically, the majority of samples collected from AOC No. 3 (located east of Building B) were shown to contain BTEX compounds, and soil gas samples collected from AOC No. 1 (the location of the former Building D) revealed the presence of chlorinated VOCs (i.e., TCE and PCE). Moreover, the on-site screening results from AOC No. 1 routinely exceeded the Connecticut Remediation Standards (for soil vapor).

In regards to soil samples collected from soil borings, chlorinated VOCs were documented in borings advanced in the area of the former Building D (in both HRP Associates and START soil borings). TPHs (as well as certain metals) were also detected in most START soil boring samples, and exceedances of the Connecticut Remediation Standards were documented for thallium, chromium, and TPH. In regards to ground water samples collected by START, 11 (of the 13) wells sampled contained VOCs; however; exceedances of the Connecticut Remediation Standards occurred in only four of the wells (which were primarily located in or in the vicinity of either AOC No. 1 or AOC No. 3). The number of exceedances (of the Remediation Standards) discussed above is inclusive of the Residential Groundwater Volatilization Criteria which, depending on future anticipated land use, may not apply.

The quantity and extent of remedial activities required is dependent on the future land use scenarios which, in turn, may determine which Remediation Standards apply. In regards to VOCs detected in the northeastern portion of the site, START estimates (based on soil gas survey results only) that soil in an area covering approximately 14,500 square feet (ft^2) may be contaminated above the residential Remediation Standard. The area was determined primarily based on soil gas screening results, and is inclusive of MW-1, MW-11 and MW-12. The total depth of soil contamination (and hence volume) cannot be determined without additional assessment activities (i.e., advancing additional soil borings). If the commercial/industrial Remediation Standard were applied, START concludes that the area of contamination would be significantly smaller. Other contaminated soil sources exist (in the vicinity of Building B and AOC No. 3); however, additional analytical data would be necessary to estimate the quantity of contaminated soil.

Due to several variables (i.e., the appropriate Remediation Standard and the need for additional analytical information), START offers only generalized techniques/activities which may be required (to varying degrees) to clean up the site. START anticipates that (at a minimum) an abatement action to minimize exposure to surface soil contamination will be necessary. This may include complete source removal (via excavation) or partial source removal in conjunction with encapsulation (e.g., installing an impervious cover). Post-excavation (confirmatory) sampling will be required to determine the effectiveness of the removal. START proposes that the excavated material be analyzed for VOCs, TPHs, total metals, and Toxicity Characteristic Leaching Procedure (TCLP) metals to determine the appropriate method of disposal. Depending on the success of the removal, START anticipates that an Environmental Land Use Restriction (ELUR) may be imposed.

4. Dust Piles

In February 1998, START (as part of an EPA Removal Program Site Investigation) collected five samples from the dust piles. Analytical results revealed the following metals (with the

highest concentration in parentheses): copper [448,000 parts per million (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 ppm), and cadmium (53 ppm). In addition, cyanide was detected at 41 ppm and PCBs were detected at 19 ppm. Based on these results, START suggests that samples be collected and analyzed for TCLP metals to determine if it (the dust) is characteristically "hazardous". If the TCLP regulatory levels are exceeded, then the material would require disposal as a hazardous waste. Based on the detection of some metals in percent levels (i.e., 10,000 ppm equals 1%), START expects that the dust material will exceed the TCLP regulatory levels (for at least one or more elements). The amount of dust material requiring removal is unknown. As a disposal option, START recommends that the possibility of reclaiming the metals be investigated. After the piles have been removed, START recommends that the underlying soil be sampled and analyzed for total metals, and the results compared to the appropriate Connecticut Remediation Standard. Based on the results, additional excavating, sampling, and analysis may be required.

5. Debris/Asbestos-Containing Material

In 1990, Advanced Environmental Interface (AEI) collected bulk samples for asbestos analysis. The results confirmed that pipe insulation contained friable asbestos, and non-friable asbestos was identified in floor tiles, roof shingles, and AST insulation. In 1998, EPA collected samples from Buildings A and C. Analytical results indicated the presence of up to 50% asbestos. In order to determine the extent of asbestos contamination, START recommends a complete asbestos abatement survey be completed by a licensed asbestos contractor.

This Cleanup Summary Memorandum was prepared based on available file information as well as results generated as part of the Brownfield Targeted Site Assessment by START. Numerous data gaps prevent START from estimating potential cleanup cost; these data gaps suggest that additional assessment activities are required. Some of the data gaps include: the number and location of additional USTs, insufficient analytical data from existing USTs/ASTs; a determination regarding the appropriate State of Connecticut Remediation Standard (which is likely dependent on future intended uses of the property); and a complete and comprehensive asbestos abatement survey by a licensed asbestos subcontractor. If you have any questions regarding this Cleanup Summary Memorandum, please contact me at (781) 229-6430 (ext. 243).

cc: James Chow (EPA)
Morris Hamel (CT DEP)
Randall Kamerbeek (City of Meriden)
Mark McDuffee (Weston/START)
Joseph Santovasi (AEI, Inc.)

APPENDIX H

INTERNATIONAL SILVER CO., FACTORY H
BROWNFIELDS TARGETED SITE ASSESSMENT
CLEANUP SUMMARY MEMORANDUM

APPENDIX E

MONITORING WELLS MW-8 THROUGH MW-14 BORING LOGS
INTERNATIONAL SILVER CO., FACTORY H
START

Monitoring Wells Installed 24 August to 1 September 1998

WESTON MANAGERS DESIGNERS/CONSULTANTS

TEST BORING LOG
BORING NO. MW-13

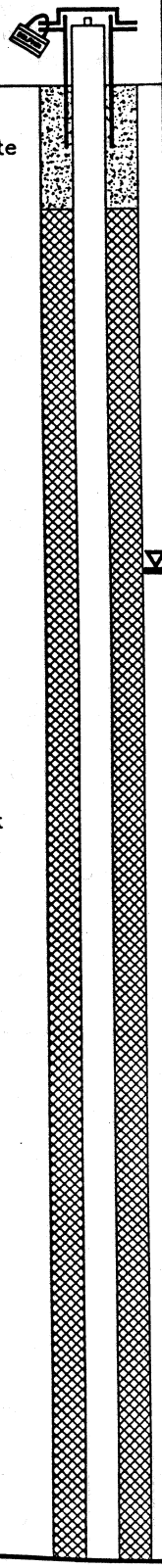
PROJECT: International Silver Co.	SHEET NO. 1 OF 3
CLIENT: U.S. EPA Region 1	JOB NO. 11098-003-001-5094
BORING CONTRACTOR: Earth Exploration, Inc. RIG: Mobile Drill B57	ELEVATION (ground) unknown
	DATE STARTED 8/24/98
	DATE FINISHED 8/24/98
	DRILLER T. Taylor
	INSPECTOR B. Bowen

GROUNDWATER

DATE	TIME	WATER ELEVATION	DATUM
8/24/98		7'7"	BGS

	CAS.	SAMP.	CORE	TUBE
TYPE	CASE & WASH	SS		
DIA.	6"	2"		
WT.	300	140		
FALL		30"		

WELL CONSTRUCTION



DEPTH (FEET)	SAMPLE NO.	REC. (in)	BLOWS PER 6 INCHES	CLASSIFICATION	OVA (ppm) (units above background)
0		24	29, 7, 12, 15	0–2": Asphalt. 2"–6": Fill–GRAVEL, angular. 6"–2': GRAVEL, fine-to-coarse SAND and SILT, brown, moist. 2.0'	0.0
2, 4					
6		16	1, 1, 3, 7	5'–5'10": Silty fine SAND, red brown. 5'10"–6'4": Same as above, but dark brown. 7.0'	1.5
8					
10		16	20, 16, 16, 20	Clayey SILT, trace fine SAND, wet, red brown. 12.0'	0.0
12					
14		16	3, 6, 8, 10	Red–brown clayey SILT. 16.0'	0.0
16, 18					
20		14	1, 3, 5, 5	Same lithology as above. 21.0'	0.0
22					

P:\BSA\97050026\FIGURES\MW-13

WESTON MANAGERS DESIGNERS/CONSULTANTS

TEST BORING LOG
BORING NO. MW-13

PROJECT: International Silver Co.	SHEET NO. 2 OF 3
CLIENT: U.S. EPA Region 1	JOB NO. 11098-003-001-5094
BORING CONTRACTOR: Earth Exploration, Inc. RIG: Mobile Drill B57	ELEVATION (ground) unknown
	DATE STARTED 8/24/98
	DATE FINISHED 8/24/98
	DRILLER T. Taylor
	INSPECTOR B. Bowen

GROUNDWATER					CAS.	SAMP.	CORE	TUBE
DATE	TIME	WATER ELEVATION	DATUM	TYPE	CASE & WASH	SS		
				DIA.	6"	2"		
				WT.	300	140		
				FALL		30"		

WELL CONSTRUCTION	DEPTH (FEET)	SAMPLE NO.	REC. (in)	BLOWS PER 6 INCHES	CLASSIFICATION	OVA (ppm) (units above background)
	24, 26, 28					
	30		24	8, 9, 12, 17	Sandy SILT, medium-to-fine SAND, red brown, wet. 31.0'	0.0
	32					
Cement Grout	34		0	20, 22, 24, 19	No recovery. 36.0'	Not applicable
	36, 38					
	40		24	22, 36, 12, 19	Silty medium-to-fine SAND, red brown, wet. 41.0'	0.0
	42					
	44			10, 12, 18, 18	No recovery. 46.0'	Not applicable
	46, 47.5					

P:\BSA\97050026\FIGURES\MW-13A

WESTON MANAGERS DESIGNERS/CONSULTANTS

TEST BORING LOG
BORING NO. MW-12

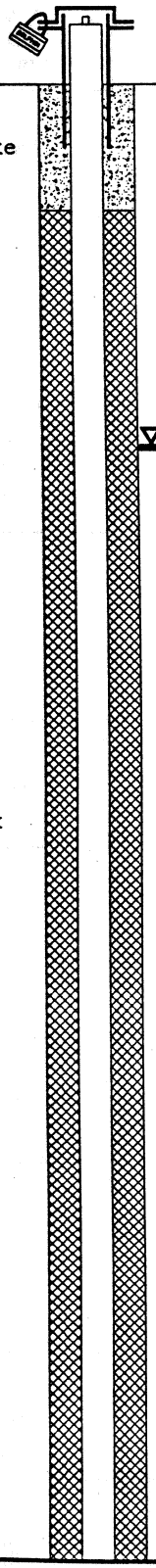
PROJECT: International Silver Co.	SHEET NO. 1 OF 2
CLIENT: U.S. EPA Region 1	JOB NO. 11098-003-001-5094
BORING CONTRACTOR: Earth Exploration, Inc. RIG: Mobile Drill B57	ELEVATION (ground) unknown
	DATE STARTED 8/24/98
	DATE FINISHED 8/24/98
	DRILLER T. Taylor
	INSPECTOR B. Bowen

GROUNDWATER

DATE	TIME	WATER ELEVATION	DATUM
8/24/98		5'8"	BGS

	CAS.	SAMP.	CORE	TUBE
TYPE	CASE & WASH	SS		
DIA.	6"	2"		
WT.	300	140		
FALL		30"		

WELL CONSTRUCTION



DEPTH (FEET)	SAMPLE NO.	REC. (in)	BLOWS PER 6 INCHES	CLASSIFICATION	OVA (ppm) (units above background)
0		16	63, 16, 9, 9	0–2": Asphalt. 2"–1'4": Fill–GRAVEL, SAND, and SILT, brown, moist. 2.0'	0.0
2, 4					
6		0	0.5, 0.5, 0.5, 0.5	Oily sheen on spoon. No recovery. 7.0'	Not applicable
8					
10		18	16, 20, 20, 16	9'–10'2": Silty medium to fine SAND, brown, wet. 10'2"–10'6": Sandy SILT. 11.0'	0.0
12					
14		16	12, 9, 9, 12	Sandy SILT, fine SAND, brown to red brown, wet. 16.0'	0.0
16, 18					
20		14	23, 19, 17, 46	Same lithology as above. 21.0'	0.0
22					

P:\BSA\97050026\FIGURES\MW-12

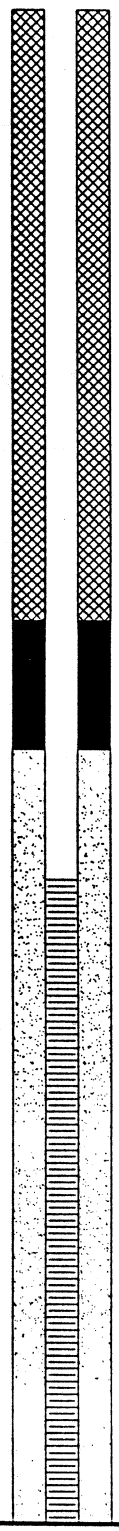
WESTON MANAGERS DESIGNERS/CONSULTANTS

TEST BORING LOG
BORING NO. MW-12

PROJECT: International Silver Co.	SHEET NO. 2 OF 2
CLIENT: U.S. EPA Region 1	JOB NO. 11098-003-001-5094
BORING CONTRACTOR: Earth Exploration, Inc. RIG: Mobile Drill B57	ELEVATION (ground) unknown
	DATE STARTED 8/24/98
	DATE FINISHED 8/24/98
	DRILLER T. Taylor
	INSPECTOR B. Bowen

GROUNDWATER					CAS.	SAMP.	CORE	TUBE
DATE	TIME	WATER ELEVATION	DATUM	TYPE	CASE & WASH	SS		
				DIA.	6"	2"		
				WT.	300	140		
				FALL		30"		

WELL CONSTRUCTION



DEPTH (FEET)	SAMPLE NO.	REC. (in)	BLOWS PER 6 INCHES	CLASSIFICATION	OVA (ppm) (units above background)
24		18	22, 22, 22, 31	Same lithology as above. 26.0'	0.0
26, 28					
30		20	16, 17, 24, 20	Same lithology as above. 31.0'	0.0
32					
34		22	18, 20, 24, 25	Silty coarse-to-fine SAND, red-brown, wet. 36.0'	0.0
36, 38					
40		16	12, 19, 22, 36	Same lithology as above. 41.0'	0.0
42					
44		4	150/6	Weathered BEDROCK, silty fine-to-medium SAND, red brown, wet. 46.0'	0.0
46, 47				47.0'	
47.5				BEDROCK, SANDSTONE, red brown. 47.5'	(END OF BORING)

P:\BSA\97050026\FIGURES\MW-12A

WESTON MANAGERS DESIGNERS/CONSULTANTS

TEST BORING LOG
BORING NO. MW-8

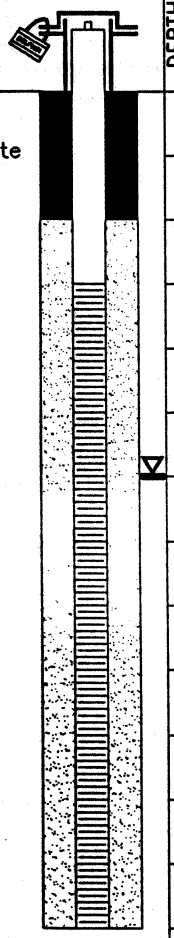
PROJECT: International Silver Co.	SHEET NO. 1 OF 1
CLIENT: U.S. EPA Region 1	JOB NO.11098-003-001-5094
BORING CONTRACTOR: Earth Exploration, Inc. RIG: Mobile Drill B57	ELEVATION (ground) unknown
	DATE STARTED 8/24/98
	DATE FINISHED 8/24/98
	DRILLER T. Taylor
	INSPECTOR B. Bowen

GROUNDWATER

DATE	TIME	WATER ELEVATION	DATUM
8/24/98		6.0'	BGS

	CAS.	SAMP.	CORE	TUBE
TYPE	HSA	SS		
DIA.	4.25"	2"		
WT.		140		
FALL		30"		

WELL CONSTRUCTION



DEPTH (FEET)	SAMPLE NO.	REC. (in)	BLOWS PER 6 INCHES	CLASSIFICATION	OVA (ppm) (units above background)
0		12	2, 13, 32, 33	Fill: SAND, SILT and fine GRAVEL, brown to tan, moist, rootlets. 2.0'	0.0
2					
4					
		14	13, 14, 16, 14	5–5'9": Same lithology as above (fill). 5'9" 5'9"–6'2": Sandy SILT, moist brown. 6'2" 7.0'	0.0
6		14			
8					
10		14	12, 16, 14, 18	GRAVEL, SAND and SILT, medium–fine GRAVEL, medium–fine SAND, wet, brown. 12.0'	0.0
12				13.0' (END OF BORING)	
14					
16					

6' steel protective casing, 6" ID, with locking cap

Screen:
10' of 2" PVC with 0.010" slots

Riser:
2" schedule 40 PVC

NOTE:

P:\BSA\97050026\FIGURES\MW-8

WESTON MANAGERS DESIGNERS/CONSULTANTS

TEST BORING LOG
BORING NO. MW-9

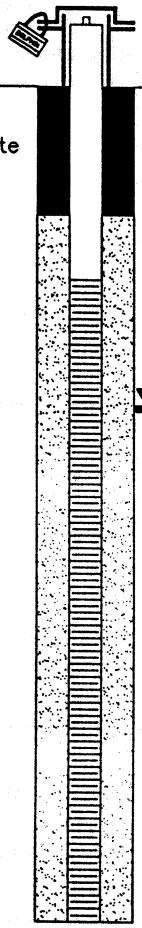
PROJECT: International Silver Co.	SHEET NO. 1 OF 1
CLIENT: U.S. EPA Region 1	JOB NO. 11098-003-001-5094
BORING CONTRACTOR: Earth Exploration, Inc. RIG: Mobile Drill B57	ELEVATION (ground) unknow
	DATE STARTED 8/24/98
	DATE FINISHED 8/24/98
	DRILLER T. Taylor
	INSPECTOR B. Bowen

GROUNDWATER

DATE	TIME	WATER ELEVATION	DATUM
8/24/98		5.0'	BGS

	CAS.	SAMP.	CORE	TUBE
TYPE	HSA	SS		
DIA.	4.25"	2"		
WT.		140		
FALL		30"		

WELL CONSTRUCTION



6' steel protective casing, 6" ID, with locking cap

Screen:
10' of 2" PVC with 0.010" slots

Riser:
2" schedule 40 PVC

DEPTH (FEET)	SAMPLE NO.	REC. (in)	BLOWS PER 6 INCHES	CLASSIFICATION	OVA (ppm) (units above background)
0		24	12, 25, 32, 35	Fill: Medium-fine GRAVEL, SAND, and SILT, brown moist. 2.0'	0.0
2, 4					
6		20	1, 2, 1, 1	Wet silty SAND, brown, medium-fine SAND. 7.0'	0.0
8					
10		22	4, 4, 6, 10	Same lithology as above. 12.0'	0.0
12				13.0' (END OF BORING)	
14, 16					

NOTE:

P:\BSA\97050026\FIGURES\MW-9

WESTON MANAGERS DESIGNERS/CONSULTANTS

TEST BORING LOG
BORING NO. MW-14

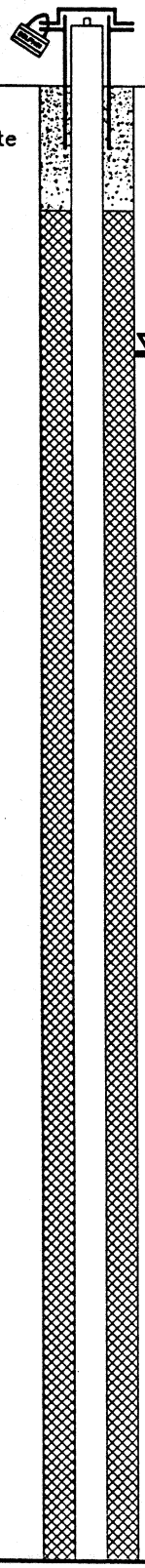
PROJECT: International Silver Co.	**SHEET NO.** 1 **OF** 2
CLIENT: U.S. EPA Region 1	**JOB NO.** 11098-003-001-5094
BORING CONTRACTOR: Earth Exploration, Inc. **RIG:** Mobile Drill B57	**ELEVATION (ground)** unknown
	DATE STARTED 8/24/98
	DATE FINISHED 8/24/98
	DRILLER T. Taylor
	INSPECTOR B. Bowen

GROUNDWATER

DATE	TIME	WATER ELEVATION	DATUM
8/24/98		4.0'	BGS

	CAS.	SAMP.	CORE	TUBE
TYPE	CASE & WASH	SS		
DIA.	6"	2"		
WT.	300	140		
FALL		30"		

WELL CONSTRUCTION



DEPTH (FEET)	SAMPLE NO.	REC. (in)	BLOWS PER 6 INCHES	CLASSIFICATION	OVA (ppm) (units above background)
0		18	21, 17, 15, 18	Fill: Medium-to-fine GRAVEL, coarse-to-fine SAND and SILT, red-brown to brown, moist. 2.0'	0.0
2, 4					
6		16	3, 4, 4, 7	GRAVEL, SAND and SILT, same as above. 7.0'	1.5
8					
10		16	9, 9, 11, 13	Silty coarse-to-fine SAND, red-brown, wet. 11.0'	0.0
12					
14		18	3, 6, 8, 10	Silty SAND and GRAVEL, medium-to-fine GRAVEL coarse-to-fine SAND, red-brown, wet 16.0'	0.0
16, 18					
20		12	10, 11, 17, 19	Same lithology as above. 21.0'	0.0
22					

P:\BSA\97050026\FIGURES\MW-14

WESTON MANAGERS DESIGNERS/CONSULTANTS

TEST BORING LOG
BORING NO. MW-13

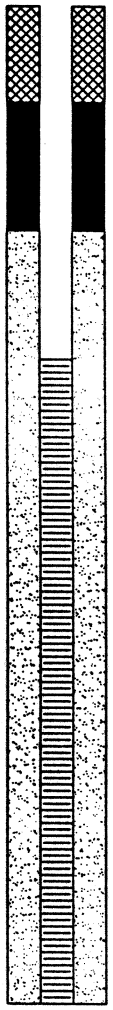
PROJECT: International Silver Co.	SHEET NO. 3 OF 3
CLIENT: U.S. EPA Region 1	JOB NO. 11098-003-001-5094
BORING CONTRACTOR: Earth Exploration, Inc. RIG: Mobile Drill B57	ELEVATION (ground) unknown
	DATE STARTED 8/24/98
	DATE FINISHED 8/24/98
	DRILLER T. Taylor
	INSPECTOR B. Bowen

GROUNDWATER

DATE	TIME	WATER ELEVATION	DATUM

	CAS.	SAMP.	CORE	TUBE
TYPE	CASE & WASH	SS		
DIA.	6"	2"		
WT.	300	140		
FALL		30"		

WELL CONSTRUCTION



Cement Grout

Bentonite

Filter Sand

6' steel protective casing, 6" ID, with locking cap

Screen: 10' of 2" PVC with 0.010" slots

Riser: 2" schedule 40 PVC

DEPTH (FEET)	SAMPLE NO.	REC. (in)	BLOWS PER 6 INCHES	CLASSIFICATION	OVA (ppm) (units above background)
48					
50		24	12, 14, 16, 18	Silty coarse-to-fine SAND, red-brown, wet. 51.0'	0.0
52					
54		24	9, 12, 15, 15	Silty coarse-to-fine SAND and medium-to-fine GRAVEL, red-brown, wet. 56.0'	0.0
56					
58					
60		24	14, 16, 20, 18	Same lithology as above. 61.0'	
62				Refusal, red-brown SANDSTONE. 63.0' (END OF BORING)	0.0
64					
66					
68					
70					

P:\BSA\97050026\FIGURES\MW-13B

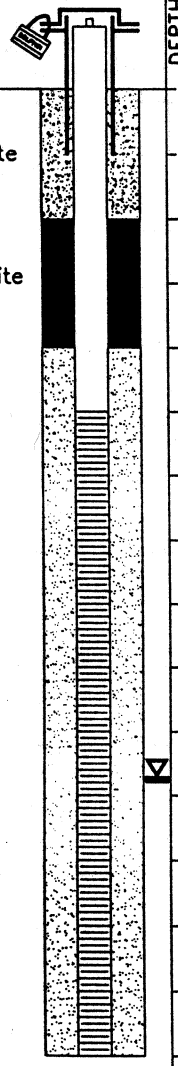
WESTON
MANAGERS DESIGNERS/CONSULTANTS

TEST BORING LOG
BORING NO. MW-10

PROJECT: International Silver Co.	SHEET NO. 1 OF 1
CLIENT: U.S. EPA Region 1	JOB NO. 11098-003-001-5094
BORING CONTRACTOR: Earth Exploration, Inc. RIG: Mobile Drill B57	ELEVATION (ground) unknown
	DATE STARTED 8/24/98
	DATE FINISHED 8/24/98
	DRILLER T. Taylor
	INSPECTOR B. Bowen

GROUNDWATER					CAS.		SAMP.	CORE	TUBE
DATE	TIME	WATER ELEVATION	DATUM	TYPE		HSA	SS		
8/24/98		10'8'	BGS	DIA.	6"	4.25"	2"		
				WT.	300		140		
				FALL			30"		

WELL CONSTRUCTION



DEPTH (FEET)	SAMPLE NO.	REC. (in)	BLOWS PER 6 INCHES	CLASSIFICATION	OVA (ppm) (units above background)
0		20	14, 21, 32, 27	Silty, medium to fine SAND, brown to red brown. 2.0'	0.0
2, 4					
6			8, 7, 4, 4	5'-5'4": Same lithology as above. 5'4"-5'7": Coal slag and cinders. 5'7"-6'6": Silty, medium to fine SAND, moist. 7.0'	0.0
8					
10			5, 4, 6, 9	10'-10'3": CLAY to moist, silty medium to fine SAND, brown. 10'3"-12": Silty medium to fine SAND, brown, wet. From 10'3" to 10'6", silver to black hydrocarbon stain noted. 12.0'	3.2
12, 14				15.0' (END OF BORING)	
16					

6' steel protective casing, 6" ID, with locking cap

Screen:
10' of 2" PVC with 0.010" slots

Riser:
2" schedule 40 PVC

NOTE:

P:\BSA\97050026\FIGURES\MW-10

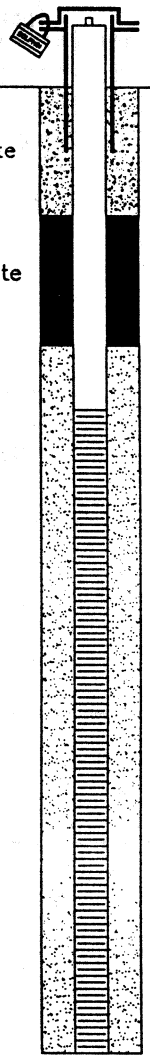
WESTON MANAGERS DESIGNERS/CONSULTANTS

TEST BORING LOG
BORING NO. MW-11

PROJECT: International Silver Co.	SHEET NO. 1 OF 1
CLIENT: U.S. EPA Region 1	JOB NO. 11098-003-001-5094
BORING CONTRACTOR: Earth Exploration, Inc. RIG: Mobile Drill B57	ELEVATION (ground) unknown
	DATE STARTED 8/24/98
	DATE FINISHED 8/24/98
	DRILLER T. Taylor
	INSPECTOR B. Bowen

GROUNDWATER					CAS.	SAMP.	CORE	TUBE
DATE	TIME	WATER ELEVATION	DATUM	TYPE	HSA	SS		
8/24/98		6'6"	BGS	DIA.	4.25"	2"		
				WT.		140		
				FALL		30"		

WELL CONSTRUCTION



DEPTH (FEET)	SAMPLE NO.	REC. (in)	BLOWS PER 6 INCHES	CLASSIFICATION	OVA (ppm) (units above background)
0		16	42, 14, 9, 8	0–9": Silty SAND, brown, moist, medium to fine SAND. 9"–1'4": Dark brown to brown, SAND with trace SILT, moist. 2.0'	1.5
2, 4					
6		22	8, 7, 4, 4	5'–6'4": Sandy SILT, fine SAND, gray and brown mottled, moist to very moist. 6'4"–6'10": Silty fine SAND, gray to brown mottled, wet. 7.0'	0.0
8					
10		16	2, 6, 9, 7	Silty fine SAND, brown, wet. 12.0'	0.0
12, 14				15.0' (END OF BORING)	
16					

6' steel protective casing, 6" ID, with locking cap

Screen:
10' of 2" PVC with 0.010" slots

Riser:
2" schedule 40 PVC

NOTE:

P:\BSA\97050026\FIGURES\MW-11

Metcalf & Eddy

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, 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.

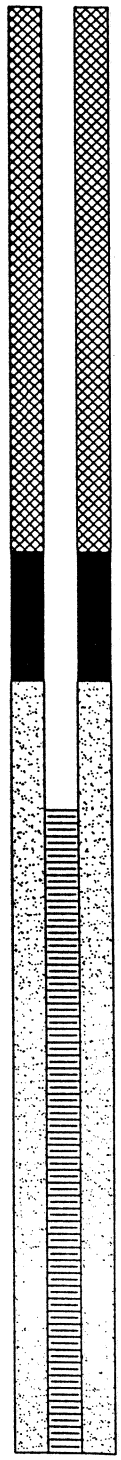
WESTON MANAGERS DESIGNERS/CONSULTANTS

TEST BORING LO
BORING NO. MW-

PROJECT: International Silver Co.	SHEET NO. 2 OF 2
CLIENT: U.S. EPA Region 1	JOB NO. 11098-003-001-50
BORING CONTRACTOR: Earth Exploration, Inc. RIG: Mobile Drill B57	ELEVATION (ground) unknov
	DATE STARTED 8/24/98
	DATE FINISHED 8/24/98
	DRILLER T. Taylor
	INSPECTOR B. Bowen

GROUNDWATER					CAS.	SAMP.	CORE	TUBE
DATE	TIME	WATER ELEVATION	DATUM	TYPE	CASE & WASH	SS		
				DIA.	6"	2"		
				WT.	300	140		
				FALL		30"		

WELL CONSTRUCTION



DEPTH (FEET)	SAMPLE NO.	REC. (in)	BLOWS PER 6 INCHES	CLASSIFICATION	OVA (ppm) (units above background)
24			16 16 16 16	Same lithology as above. 26.0'	0.0
26					
28					
30		18	1 8 11 12	Medium-to-fine GRAVEL, coarse-to-fine SAND, coarse-to-fine SAND, and SILT, red-brown, wet. 31.0'	0.0
32					
34		4	8 12 10 15	Same lithology as above. 36.0'	0.0
36					
38					
40			1 9 12 17	Fine GRAVEL, coarse-to-fine SAND and SILT, red-brown, wet. 41.0'	0.0
42					
44					
46				Refusal, red brown SANDSTONE. 46.0' (END OF BORING)	

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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 (ERIIS). The ERIIS database report is included as Appendix B.

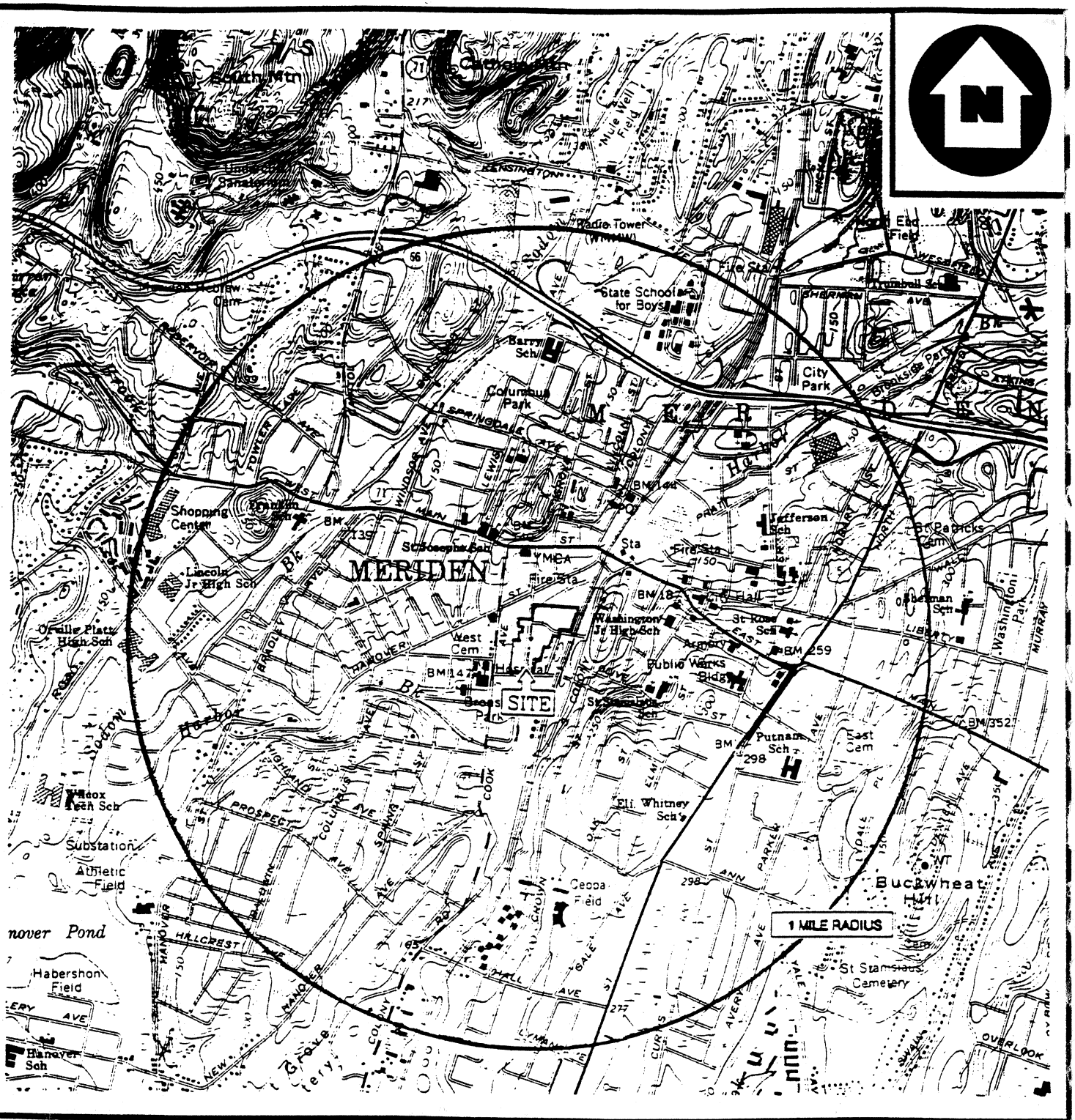
Additional information was collected during the on-site field investigation conducted from 24 August to 1 September 1998 and 23 to 24 September 1998. As part of the investigation, soil gas samples were collected by START personnel and analyzed on site with field screening equipment; and soil, sediment, 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 (VMMC) and residences to the west.



BASE MAP IS A PORTION OF THE FOLLOWING 7.5' x 7.5' U.S.G.S. QUADRANGLE(S):
SOUTHINGTON, CT 1968, PHOTOREVISED 1984
MERIDEN, CT 1968, PHOTOREVISED 1984

1 1/2 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 FEET

QUADRANGLE LOCATION

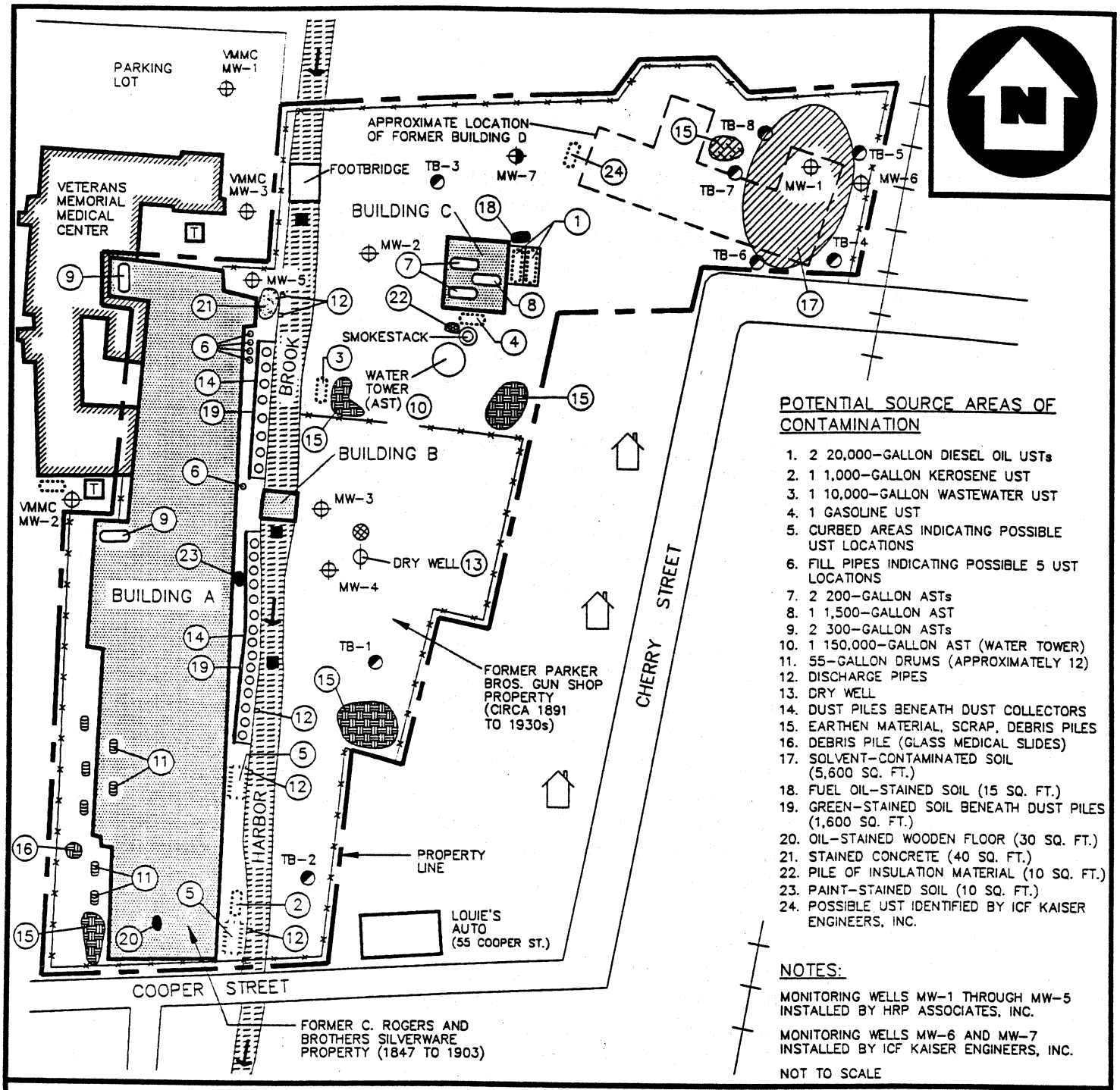
LOCATION MAP
INTERNATIONAL SILVER CO.
FACTORY H
COOPER STREET
MERIDEN, CONNECTICUT

WESTON®
MANAGERS DESIGNERS/CONSULTANTS
REGION I SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM

TDD #	DRAWN BY:	DATE
97-05-0026	J. CHOW	7/10/97

FILE NAME: P:\BSA\97050026\FIGURES\INSILCO1.DWG

FIGURE 1



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 PIPES INDICATING POSSIBLE 5 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)
12. DISCHARGE PIPES
13. DRY WELL
14. DUST PILES BENEATH DUST COLLECTORS
15. EARTHEN MATERIAL, SCRAP, DEBRIS PILES
16. DEBRIS PILE (GLASS MEDICAL SLIDES)
17. SOLVENT-CONTAMINATED SOIL (5,600 SQ. FT.)
18. FUEL OIL-STAINED SOIL (15 SQ. FT.)
19. GREEN-STAINED SOIL BENEATH DUST PILES (1,600 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)
- ABOVEROUND STORAGE TANK (AST)
- CURBED AREAS

SITE SKETCH

INTERNATIONAL SILVER CO.
FACTORY H
COOPER STREET
MERIDEN, CONNECTICUT

WESTON® MANAGERS DESIGNERS/CONSULTANTS

REGION I SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM

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

FILE NAME: P:\BSA\97050026\FIGURES\INSILCO2

FIGURE 2

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 (ft^2); Building B, a two-story transformer/electrical house constructed in the 1940s with a building footprint of 900 ft^2; and Building C, a two-story power plant, boiler house, and smokestack constructed in the 1940s with a building footprint of 3,600 ft^2. The former fourth building, Building D, was a series of three buildings constructed in circa 1854, and contained a 22,000 ft^2 machine shop facility, a 6,000 ft^2 foundry facility, and a 1,700 ft^2 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.

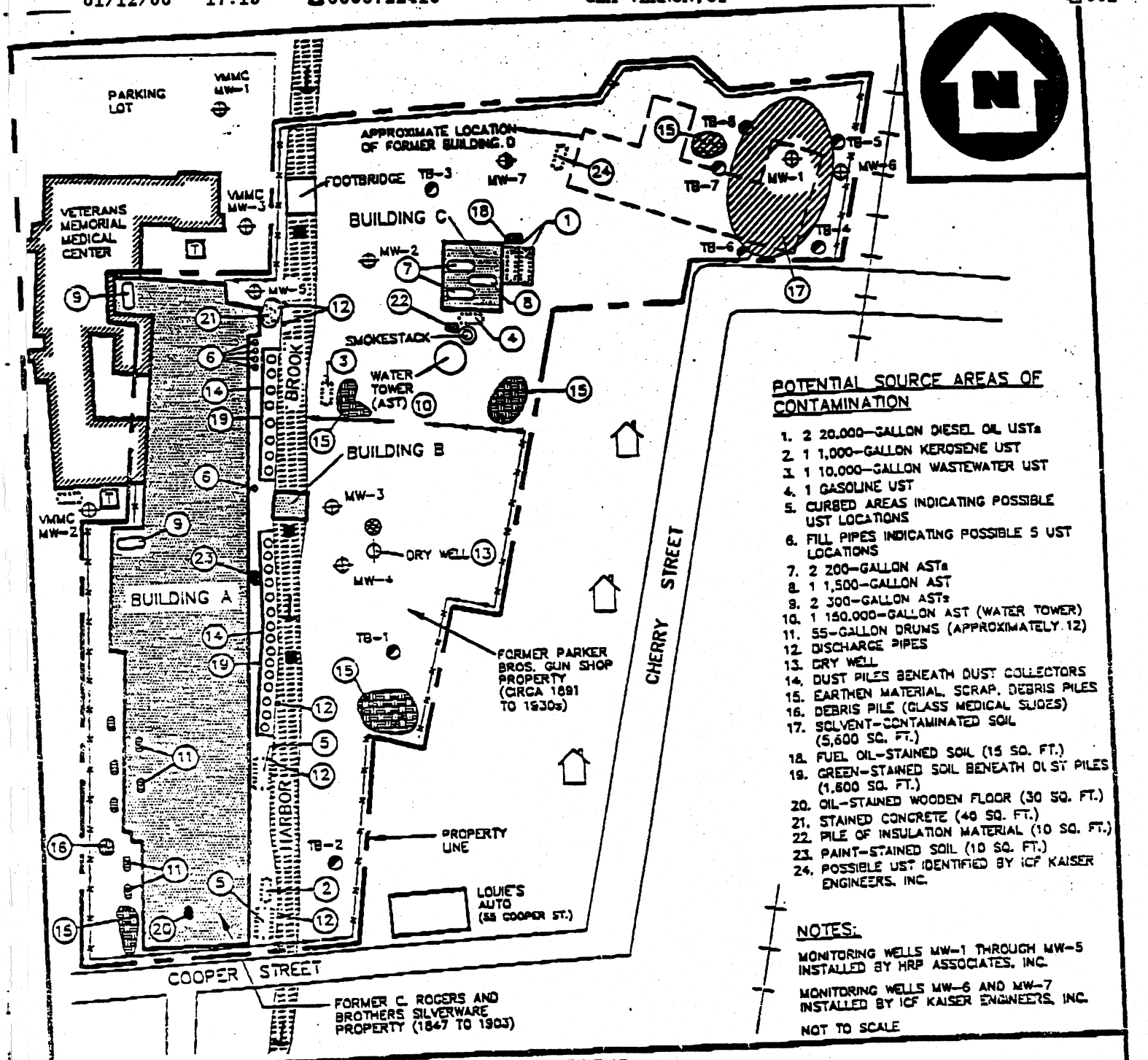
HRP advanced 13 soil borings on the INSILCO property; five of the soil borings were completed as monitoring wells. During the drilling process, HRP field-screened soil boring samples using a photoionization detector (PID). HRP also collected composite soil samples from beneath the pavement under dust 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.



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
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- DEBRIS PILE
- ESTIMATED AREA OF SOIL CONTAMINATION
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- UNDERGROUND STORAGE TANK (UST)
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SITE SKETCH

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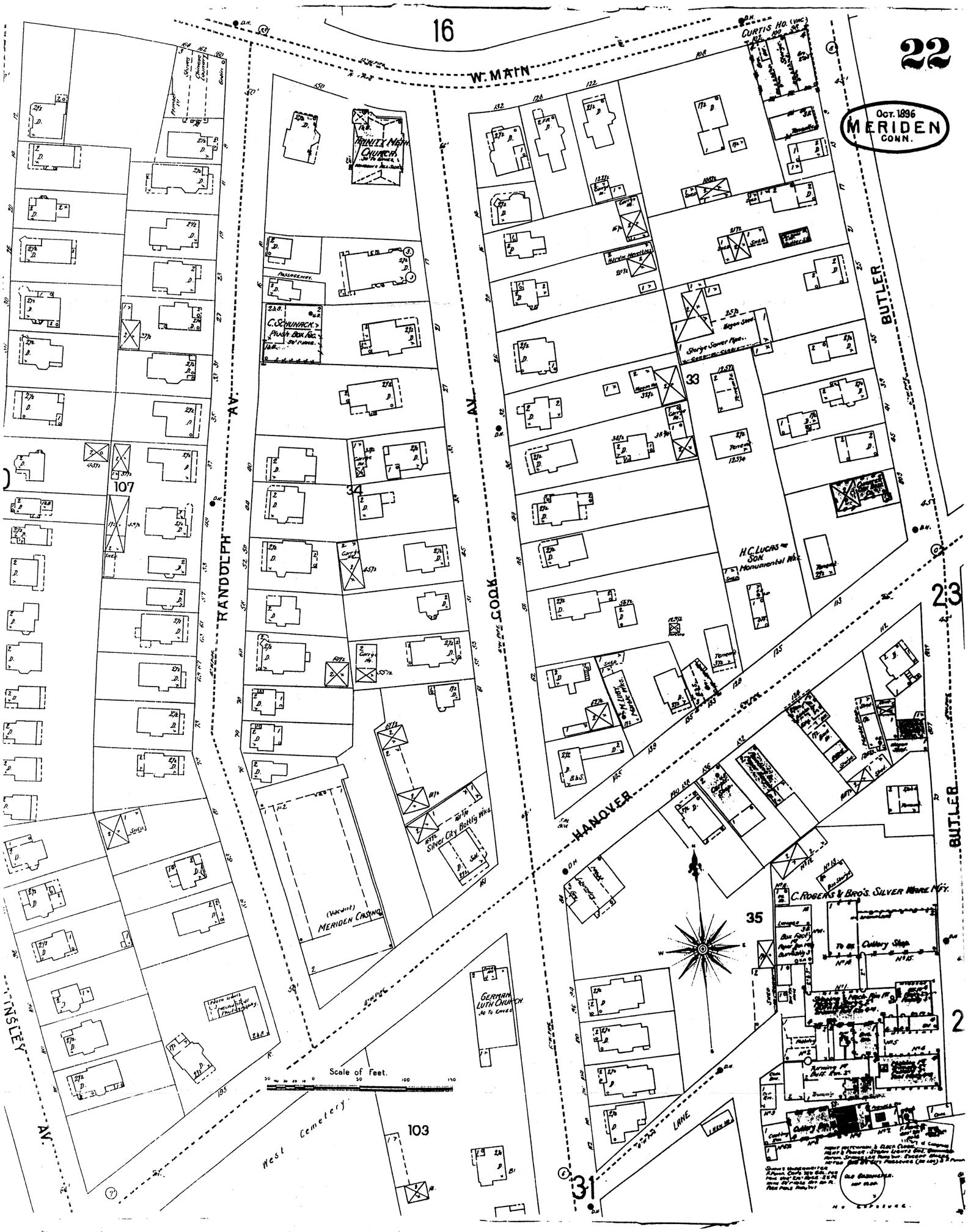
98-05-0098	W. SHAW	7/10/97

FILE NAME: P:\BSA\97050026\FIGURES\INSILCO2

FIGURE 2

8 September 1999



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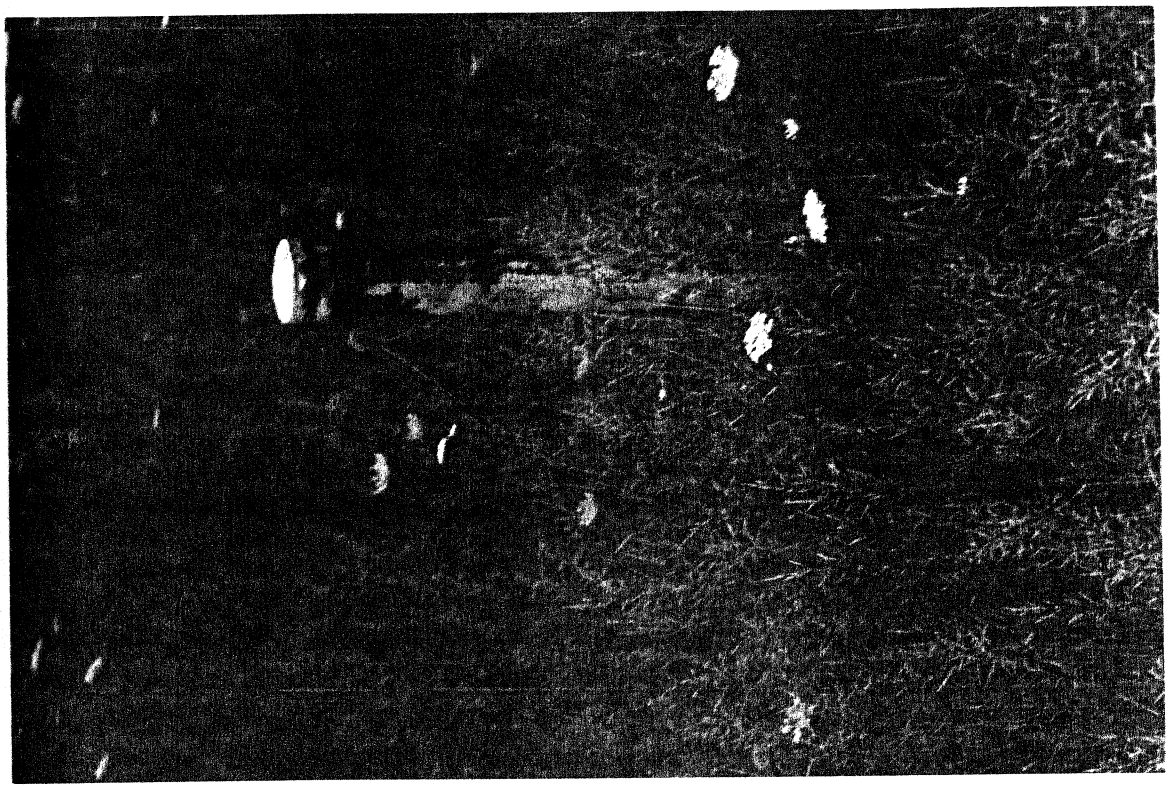
APPENDIX C

INTERNATIONAL SILVER CO., FACTORY H
BROWNFIELDS TARGETED SITE ASSESSMENT
PHOTODOCUMENTATION LOG

PHOTOGRAPHY LOG SHEET
International Silver Company • Meriden, CT

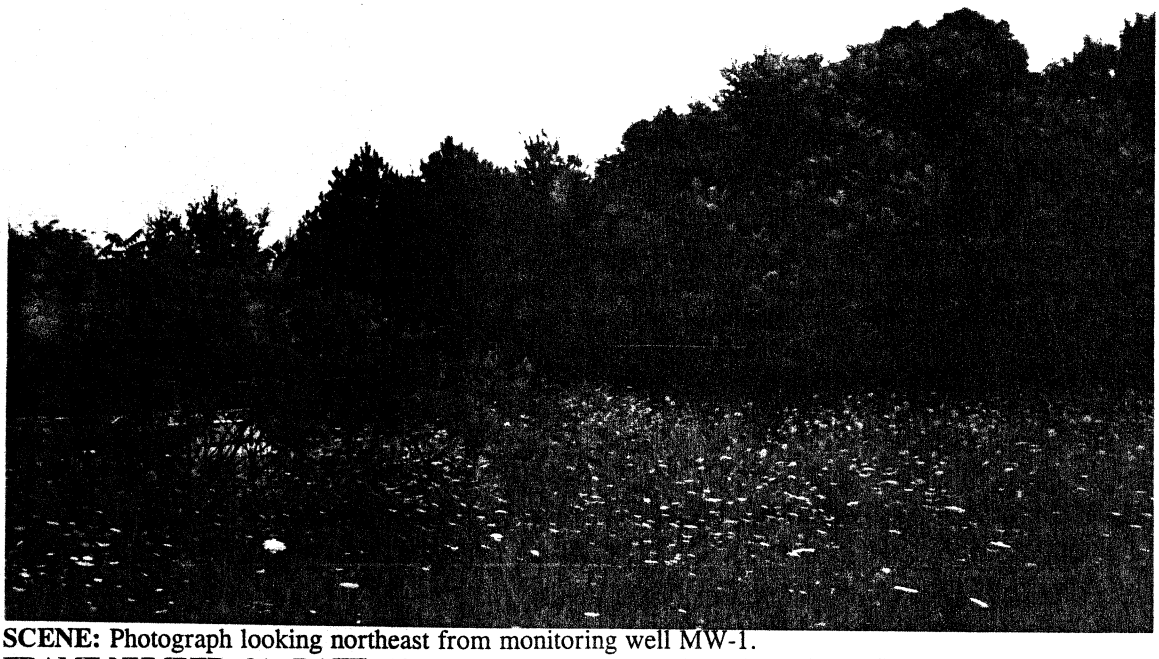
TOP



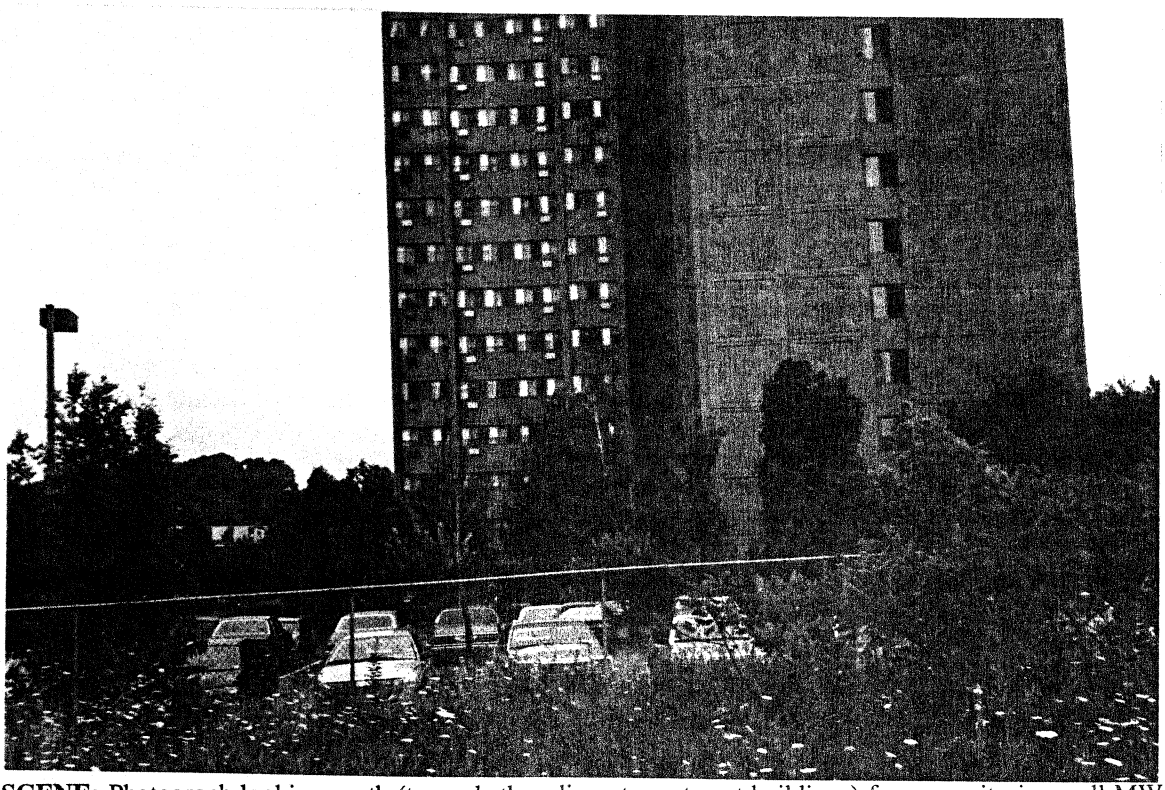
SCENE: Photograph of monitoring well MW-1.
FRAME NUMBER: 02 **DATE:** 13 August 1997 **TIME:** Varies **SKY CONDITION:** Overcast
PHOTOGRAPH BY: James Chow **WITNESS(ES):** Dave Strzempko
CAMERA: Minolta **SETTING:** Automatic **FILM TYPE:** 35 mm **FILM ROLL:** 296

SCENE: Photograph looking east from monitoring well MW-1, across railroad racks, at adjacent property.
FRAME NUMBER: 03 **DATE:** 13 August 1997 **TIME:** Varies **SKY CONDITION:** Overcast
PHOTOGRAPH BY: James Chow **WITNESS(ES):** Dave Strzempko
CAMERA: Minolta **SETTING:** Automatic **FILM TYPE:** 35 mm **FILM ROLL:** 296

PHOTOGRAPHY LOG SHEET
International Silver Company • Meriden, CT



SCENE: Photograph looking northeast from monitoring well MW-1.
FRAME NUMBER: 04 **DATE:** 13 August 1997 **TIME:** Varies **SKY CONDITION:** Overcast
PHOTOGRAPH BY: James Chow **WITNESS(ES):** Dave Strzempko
CAMERA: Minolta **SETTING:** Automatic **FILM TYPE:** 35 mm **FILM ROLL:** 296



SCENE: Photograph looking north (towards the adjacent apartment buildings) from monitoring well MW-1.
FRAME NUMBER: 05 **DATE:** 13 August 1997 **TIME:** Varies **SKY CONDITION:** Overcast
PHOTOGRAPH BY: James Chow **WITNESS(ES):** Dave Strzempko
CAMERA: Minolta **SETTING:** Automatic **FILM TYPE:** 35 mm **FILM ROLL:** 296

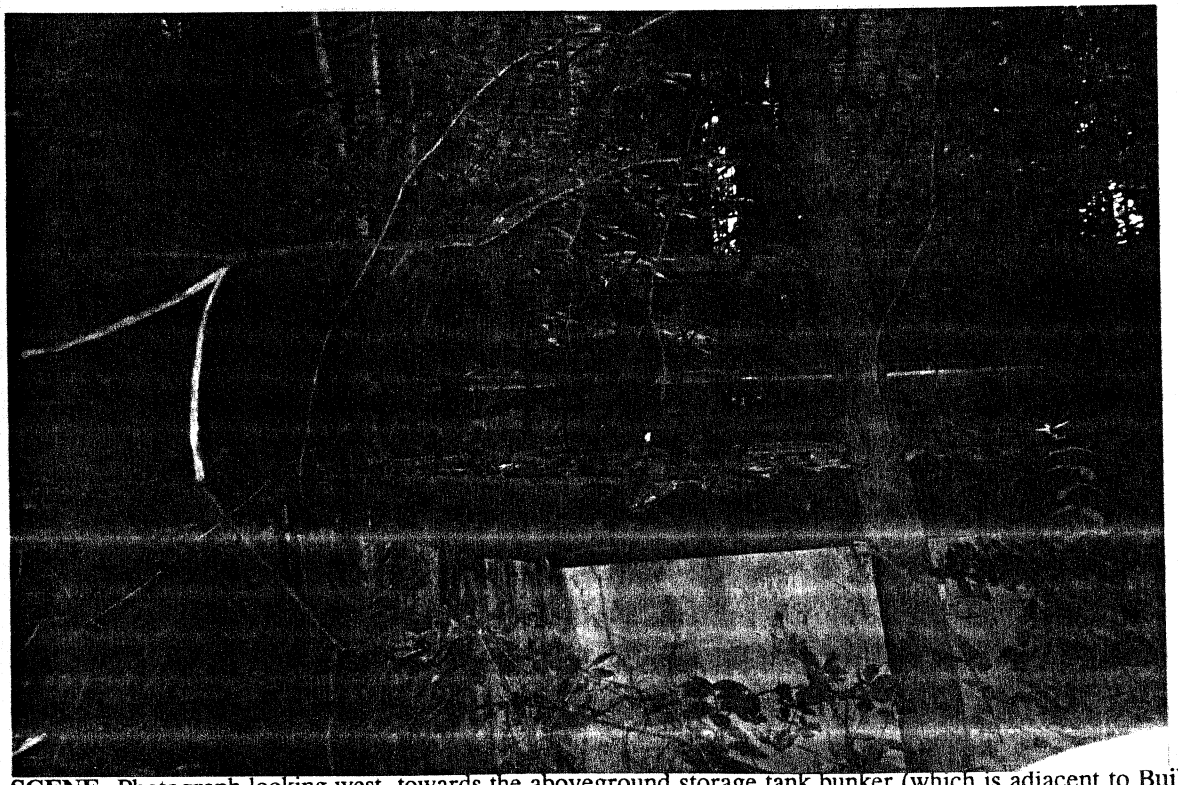
PHOTOGRAPHY LOG SHEET
International Silver Company • Meriden, CT

SCENE: Photograph looking northwest (towards adjacent apartment buildings) from monitoring well MW-1.
FRAME NUMBER: 06 **DATE:** 13 August 1997 **TIME:** Varies **SKY CONDITION:** Overcast
PHOTOGRAPH BY: James Chow **WITNESS(ES):** Dave Strzempko
CAMERA: Minolta **SETTING:** Automatic **FILM TYPE:** 35 mm **FILM ROLL:** 296

SCENE: Photograph of monitoring well MW-7 (flush-mounted with the ground surface).
FRAME NUMBER: 07 **DATE:** 13 August 1997 **TIME:** Varies **SKY CONDITION:** Overcast
PHOTOGRAPH BY: James Chow **WITNESS(ES):** Dave Strzempko
CAMERA: Minolta **SETTING:** Automatic **FILM TYPE:** 35 mm **FILM ROLL:** 296

PHOTOGRAPHY LOG SHEET
International Silver Company • Meriden, CT

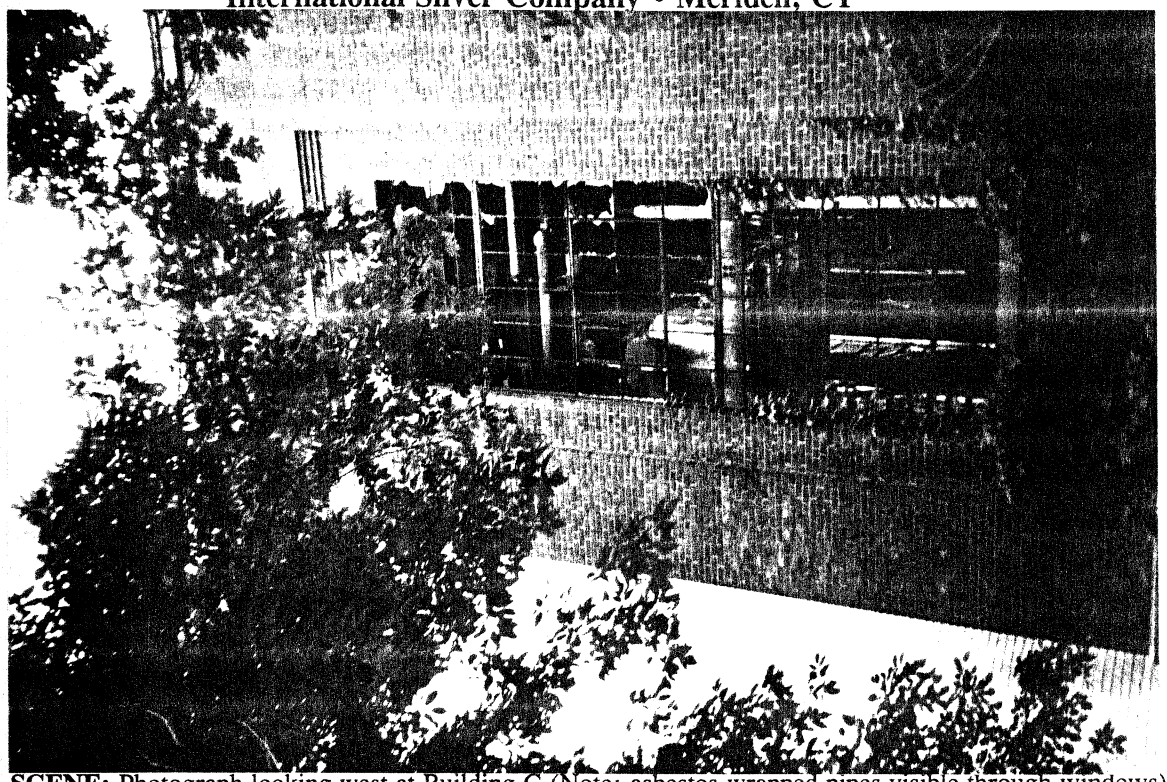
SCENE: Photograph looking west, towards the aboveground storage tank bunker (which is adjacent to Building C).
FRAME NUMBER: 08 **DATE:** 13 August 1997 **TIME:** Varies **SKY CONDITION:** Overcast
PHOTOGRAPH BY: James Chow **WITNESS(ES):** Dave Strzempko
CAMERA: Minolta **SETTING:** Automatic **FILM TYPE:** 35 mm **FILM ROLL:** 296



SCENE: Photograph looking west, towards the aboveground storage tank bunker (which is adjacent to Building C).
FRAME NUMBER: 09 **DATE:** 13 August 1997 **TIME:** Varies **SKY CONDITION:** Overcast
PHOTOGRAPH BY: James Chow **WITNESS(ES):** Dave Strzempko
CAMERA: Minolta **SETTING:** Automatic **FILM TYPE:** 35 mm **FILM ROLL:** 296

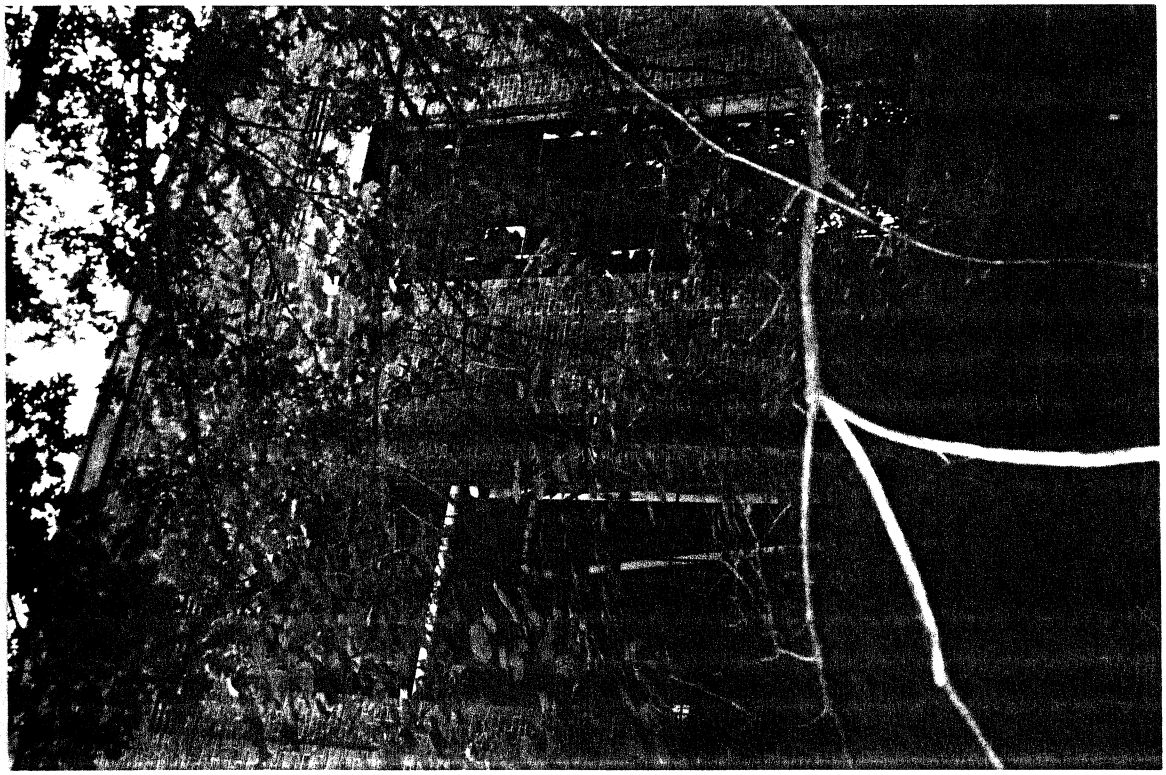
PHOTOGRAPHY LOG SHEET
International Silver Company • Meriden, CT

TOP



SCENE: Photograph looking west at Building C (Note: asbestos-wrapped pipes visible through windows).
FRAME NUMBER: 10 **DATE:** 13 August 1997 **TIME:** Varies **SKY CONDITION:** Overcast
PHOTOGRAPH BY: James Chow **WITNESS(ES):** Dave Strzempko
CAMERA: Minolta **SETTING:** Automatic **FILM TYPE:** 35 mm **FILM ROLL:** 296

TOP



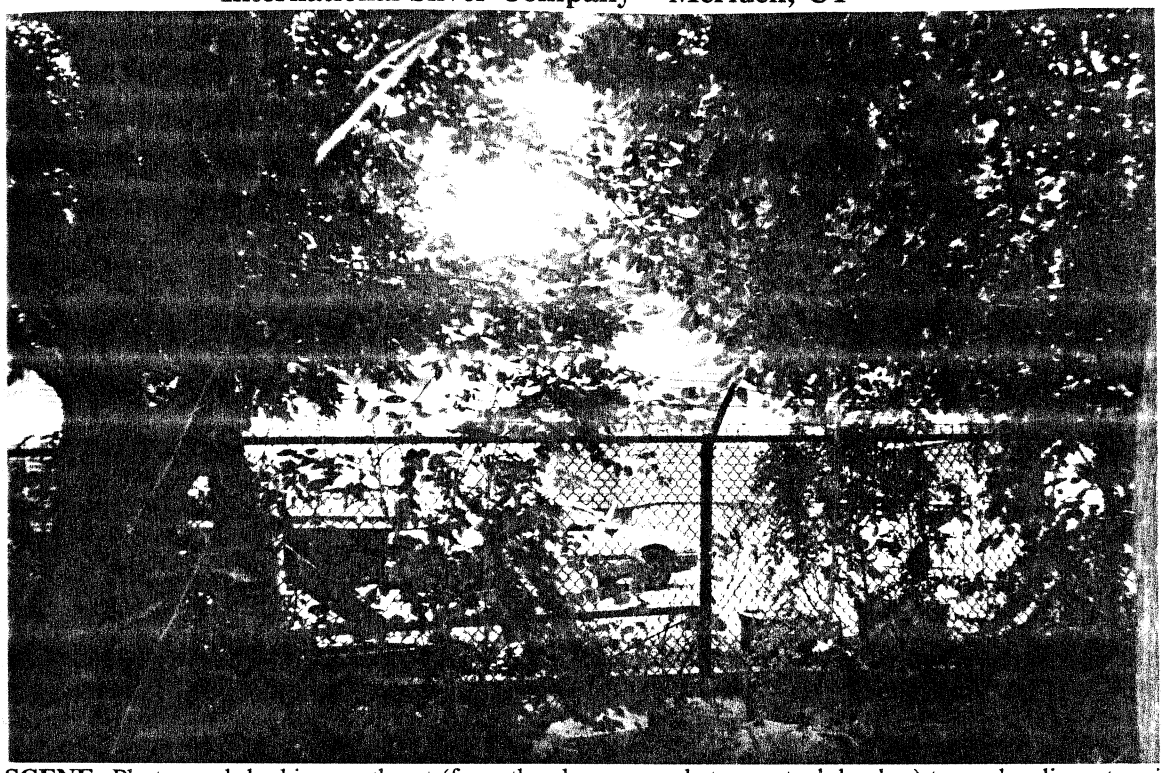
SCENE: Photograph looking west at Building C (Note: asbestos-wrapped pipes visible through windows).
FRAME NUMBER: 11 **DATE:** 13 August 1997 **TIME:** Varies **SKY CONDITION:** Overcast
PHOTOGRAPH BY: James Chow **WITNESS(ES):** Dave Strzempko
CAMERA: Minolta **SETTING:** Automatic **FILM TYPE:** 35 mm **FILM ROLL:** 296

PHOTOGRAPHY LOG SHEET
International Silver Company • Meriden, CT

SCENE: Photograph looking north at the corrugated metal cover of the aboveground storage tank bunker.
FRAME NUMBER: 12 **DATE:** 13 August 1997 **TIME:** Varies **SKY CONDITION:** Overcast
PHOTOGRAPH BY: James Chow **WITNESS(ES):** Dave Strzempko
CAMERA: Minolta **SETTING:** Automatic **FILM TYPE:** 35 mm **FILM ROLL:** 296

SCENE: Photograph looking north at the corrugated metal cover of the aboveground storage tank bunker.
FRAME NUMBER: 13 **DATE:** 13 August 1997 **TIME:** Varies **SKY CONDITION:** Overcast
PHOTOGRAPH BY: James Chow **WITNESS(ES):** Dave Strzempko
CAMERA: Minolta **SETTING:** Automatic **FILM TYPE:** 35 mm **FILM ROLL:** 296

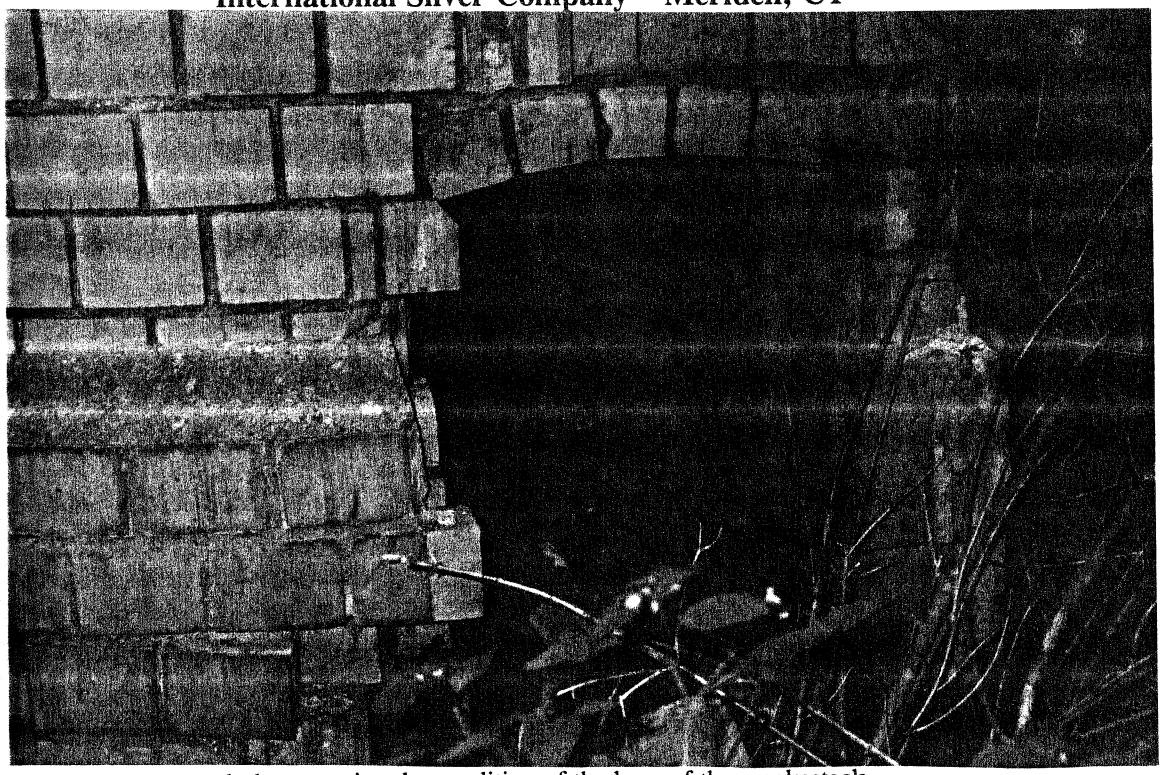
PHOTOGRAPHY LOG SHEET
International Silver Company • Meriden, CT



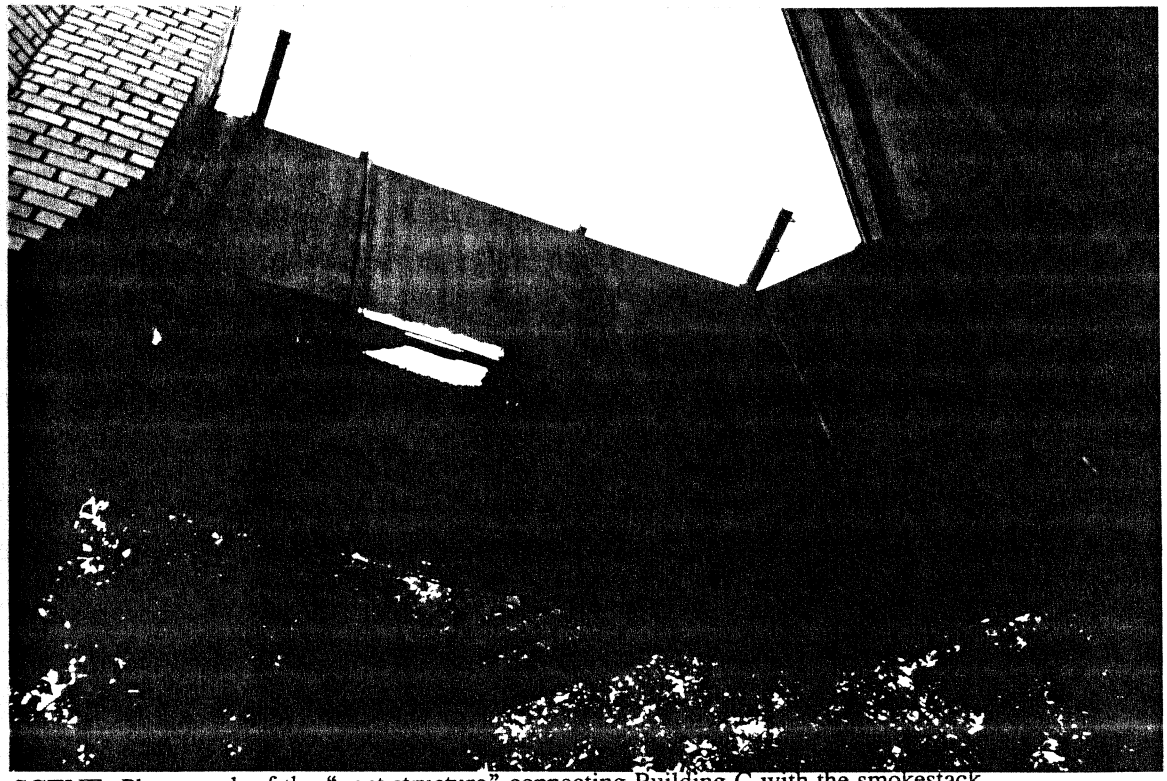
SCENE: Photograph looking southeast (from the aboveground storage tank bunker) towards adjacent residences.
FRAME NUMBER: 14 **DATE:** 13 August 1997 **TIME:** Varies **SKY CONDITION:** Overcast
PHOTOGRAPH BY: James Chow **WITNESS(ES):** Dave Strzempko
CAMERA: Minolta **SETTING:** Automatic **FILM TYPE:** 35 mm **FILM ROLL:** 296

SCENE: Interior of Building C; asbestos-wrapped pipes visible.
FRAME NUMBER: 15 **DATE:** 13 August 1997 **TIME:** Varies **SKY CONDITION:** Indoors
PHOTOGRAPH BY: James Chow **WITNESS(ES):** Dave Strzempko
CAMERA: Minolta **SETTING:** Automatic **FILM TYPE:** 35 mm **FILM ROLL:** 296

PHOTOGRAPHY LOG SHEET
International Silver Company • Meriden, CT



SCENE: Photograph documenting the condition of the base of the smokestack.
FRAME NUMBER: 16 **DATE:** 13 August 1997 **TIME:** Varies **SKY CONDITION:** Overcast
PHOTOGRAPH BY: James Chow **WITNESS(ES):** Dave Strzempko
CAMERA: Minolta **SETTING:** Automatic **FILM TYPE:** 35 mm **FILM ROLL:** 296



SCENE: Photograph of the "vent structure" connecting Building C with the smokestack.
FRAME NUMBER: 17 **DATE:** 13 August 1997 **TIME:** Varies **SKY CONDITION:** Overcast
PHOTOGRAPH BY: James Chow **WITNESS(ES):** Dave Strzempko
CAMERA: Minolta **SETTING:** Automatic **FILM TYPE:** 35 mm **FILM ROLL:** 296

PHOTOGRAPHY LOG SHEET
International Silver Company • Meriden, CT

TOP

SCENE: Fill pipe for the underground storage tank (located south of Building C).
FRAME NUMBER: 18 **DATE:** 13 August 1997 **TIME:** Varies **SKY CONDITION:** Overcast
PHOTOGRAPH BY: James Chow **WITNESS(ES):** Dave Strzempko
CAMERA: Minolta **SETTING:** Automatic **FILM TYPE:** 35 mm **FILM ROLL:** 296

TOP

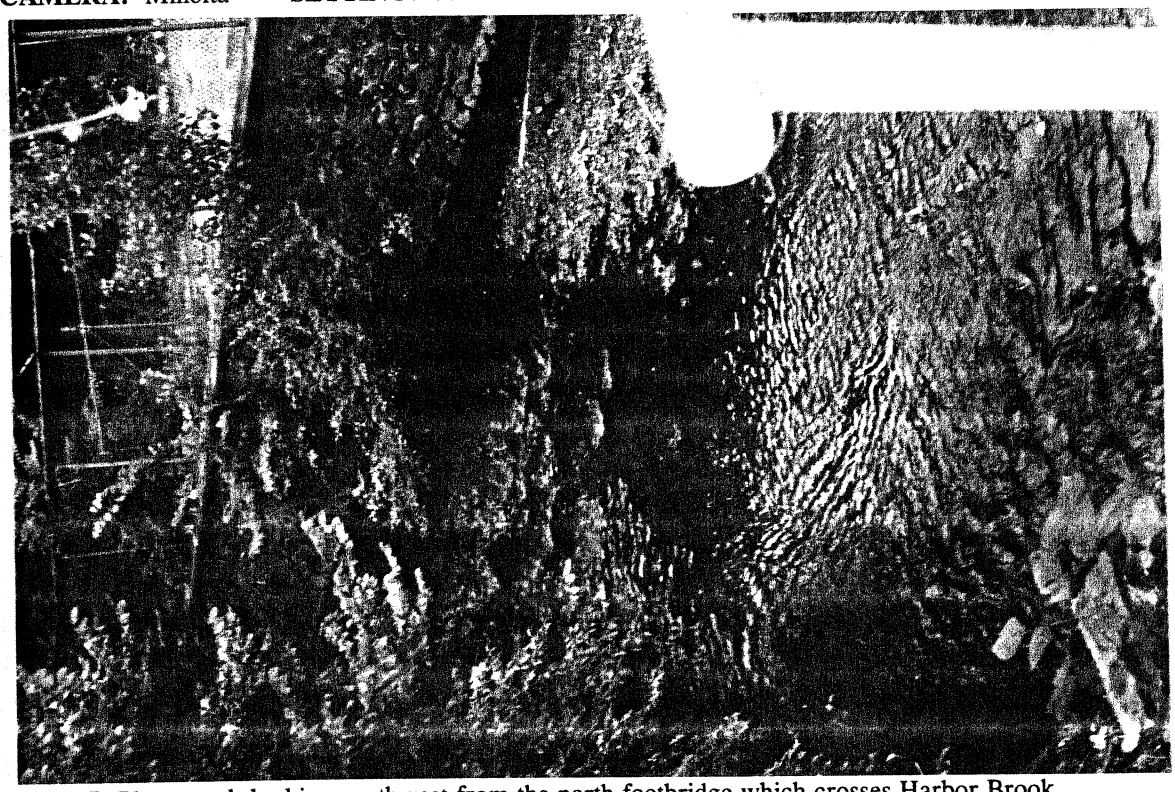
SCENE: Interior of Building C.
FRAME NUMBER: 19 **DATE:** 13 August 1997 **TIME:** Varies **SKY CONDITION:** Overcast
PHOTOGRAPH BY: James Chow **WITNESS(ES):** Dave Strzempko
CAMERA: Minolta **SETTING:** Automatic **FILM TYPE:** 35 mm **FILM ROLL:** 296

PHOTOGRAPHY LOG SHEET
International Silver Company • Meriden, CT

TOP

SCENE: Photograph of the bottom (i.e., the base) of the water tower.
FRAME NUMBER: 20 **DATE:** 13 August 1997 **TIME:** Varies **SKY CONDITION:** Overcast
PHOTOGRAPH BY: James Chow **WITNESS(ES):** Dave Strzempko
CAMERA: Minolta **SETTING:** Automatic **FILM TYPE:** 35 mm **FILM ROLL:** 296

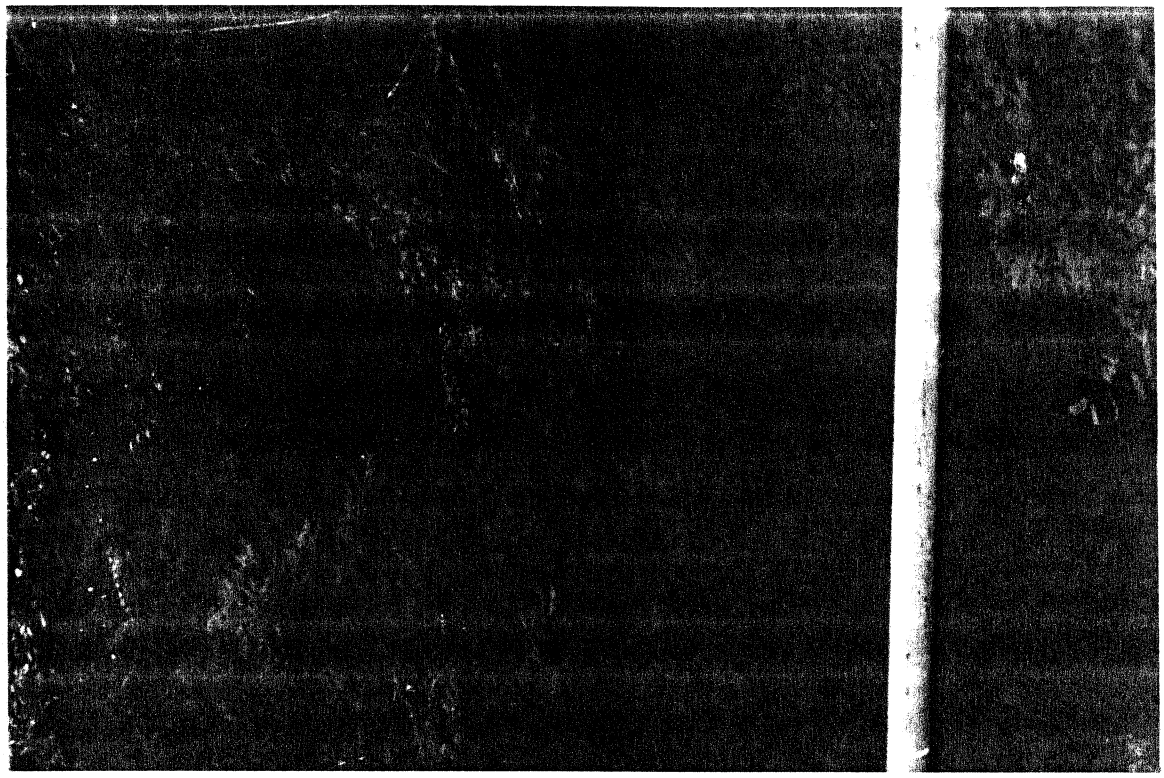
TOP



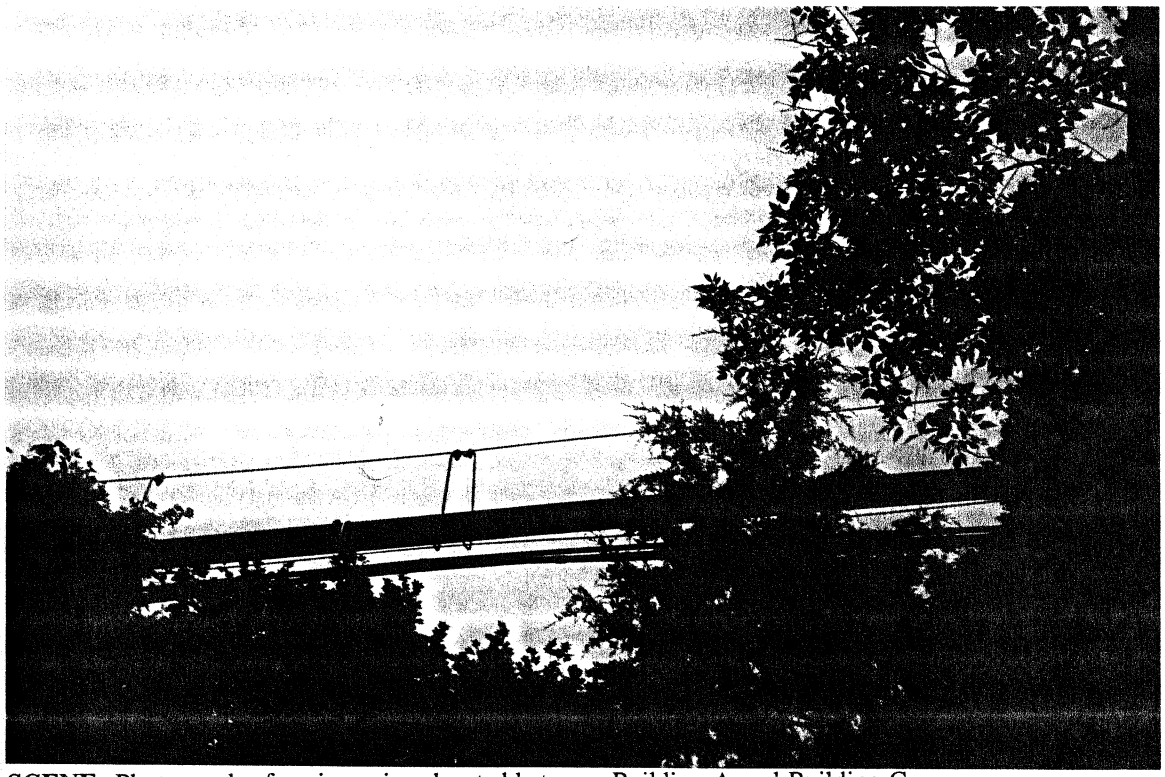
SCENE: Photograph looking southwest from the north footbridge which crosses Harbor Brook.
FRAME NUMBER: 21 **DATE:** 13 August 1997 **TIME:** Varies **SKY CONDITION:** Overcast
PHOTOGRAPH BY: James Chow **WITNESS(ES):** Dave Strzempko
CAMERA: Minolta **SETTING:** Automatic **FILM TYPE:** 35 mm **FILM ROLL:** 296

PHOTOGRAPHY LOG SHEET
International Silver Company • Meriden, CT

TOP



SCENE: Photograph looking north from footbridge.
FRAME NUMBER: 22 **DATE:** 13 August 1997 **TIME:** Varies **SKY CONDITION:** Overcast
PHOTOGRAPH BY: James Chow **WITNESS(ES):** Dave Strzempko
CAMERA: Minolta **SETTING:** Automatic **FILM TYPE:** 35 mm **FILM ROLL:** 296



SCENE: Photograph of various pipes located between Building A and Building C.
FRAME NUMBER: 23 **DATE:** 13 August 1997 **TIME:** Varies **SKY CONDITION:** Overcast
PHOTOGRAPH BY: James Chow **WITNESS(ES):** Dave Strzempko
CAMERA: Minolta **SETTING:** Automatic **FILM TYPE:** 35 mm **FILM ROLL:** 296

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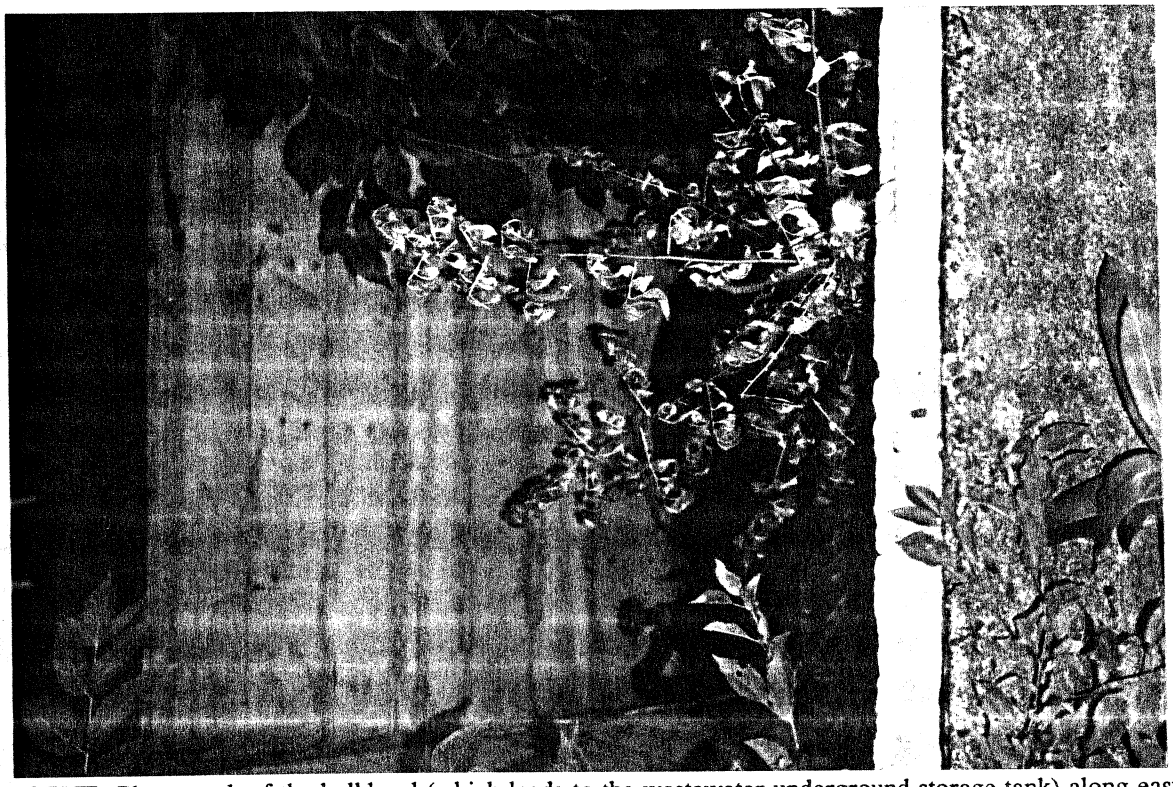
SCENE: Photograph of debris pile.
FRAME NUMBER: 24 **DATE:** 13 August 1997 **TIME:** Varies **SKY CONDITION:** Overcast
PHOTOGRAPH BY: James Chow **WITNESS(ES):** Dave Strzempko
CAMERA: Minolta **SETTING:** Automatic **FILM TYPE:** 35 mm **FILM ROLL:** 296

TOP



SCENE: Photograph of the bulkhead (which leads to the wastewater underground storage tank) along east bank of Harbor Brook.
FRAME NUMBER: E **DATE:** 13 August 1997 **TIME:** Varies **SKY CONDITION:** Overcast
PHOTOGRAPH BY: James Chow **WITNESS(ES):** Dave Strzempko
CAMERA: Minolta **SETTING:** Automatic **FILM TYPE:** 35 mm **FILM ROLL:** 296

PHOTOGRAPHY LOG SHEET
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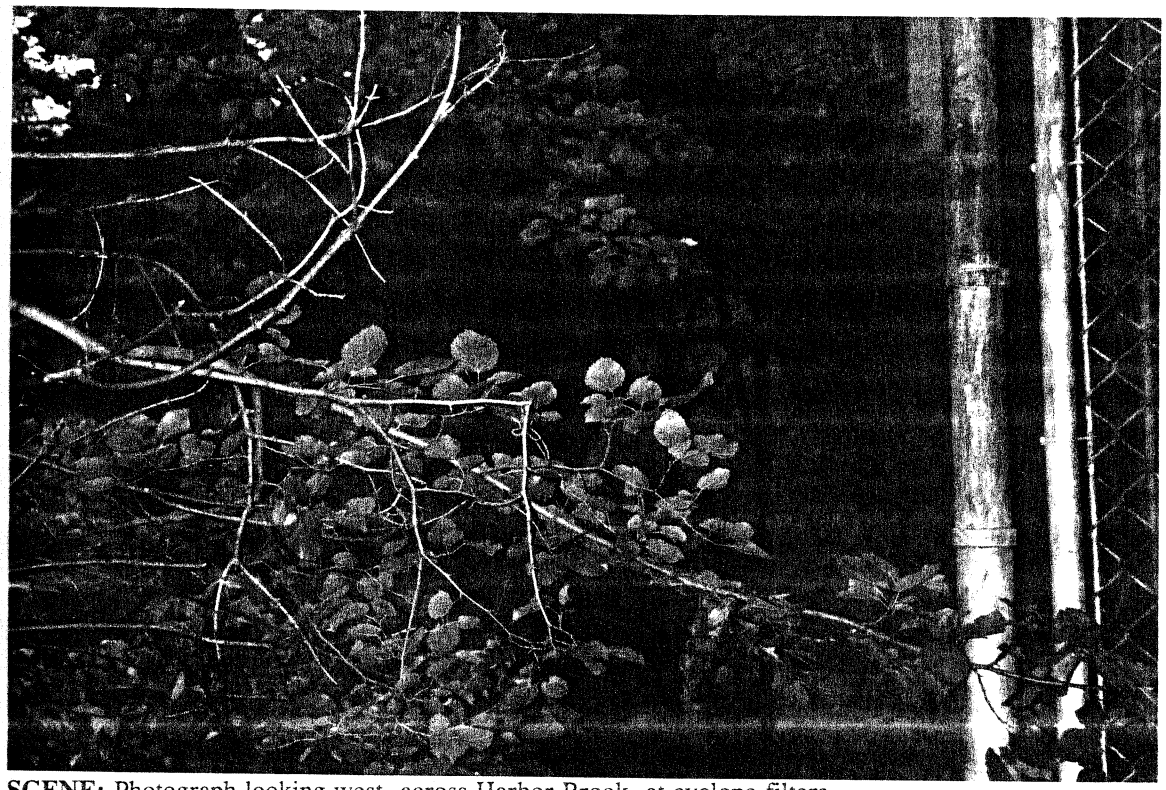
SCENE: Photograph of discharge pipe.
FRAME NUMBER: 1A **DATE:** 13 August 1997 **TIME:** Varies **SKY CONDITION:** Overcast
PHOTOGRAPH BY: James Chow **WITNESS(ES):** Dave Strzempko
CAMERA: Minolta **SETTING:** Automatic **FILM TYPE:** 35 mm **FILM ROLL:** 298



SCENE: Photograph looking west, across Harbor Brook, at cyclone filters.
FRAME NUMBER: 2A **DATE:** 13 August 1997 **TIME:** Varies **SKY CONDITION:** Overcast
PHOTOGRAPH BY: James Chow **WITNESS(ES):** Dave Strzempko
CAMERA: Minolta **SETTING:** Automatic **FILM TYPE:** 35 mm **FILM ROLL:** 298

PHOTOGRAPHY LOG SHEET
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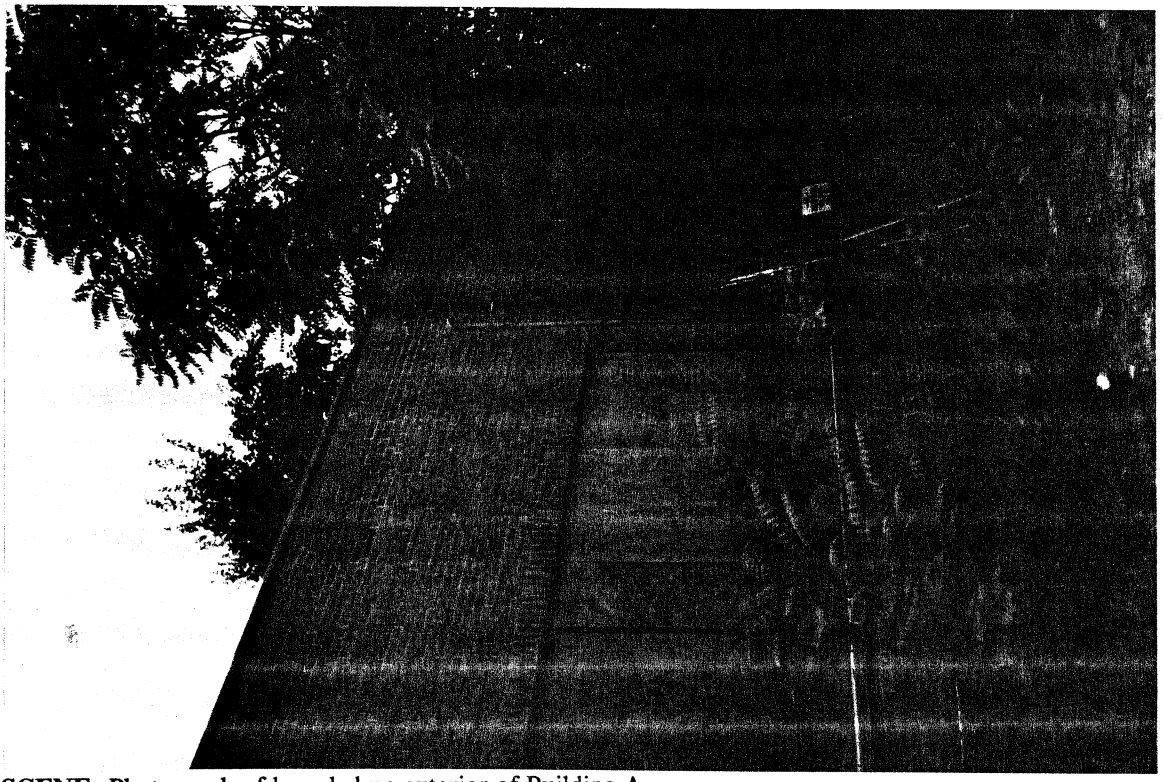
SCENE: Photograph looking northward, towards the water tower, smokestack, Building C and adjacent apartments.
FRAME NUMBER: 3A **DATE:** 13 August 1997 **TIME:** Varies **SKY CONDITION:** Overcast
PHOTOGRAPH BY: James Chow **WITNESS(ES):** Dave Strzempko
CAMERA: Minolta **SETTING:** Automatic **FILM TYPE:** 35 mm **FILM ROLL:** 298

TOP



SCENE: Photograph of boarded up exterior of Building A.
FRAME NUMBER: 4A **DATE:** 13 August 1997 **TIME:** Varies **SKY CONDITION:** Overcast
PHOTOGRAPH BY: James Chow **WITNESS(ES):** Dave Strzempko
CAMERA: Minolta **SETTING:** Automatic **FILM TYPE:** 35 mm **FILM ROLL:** 298

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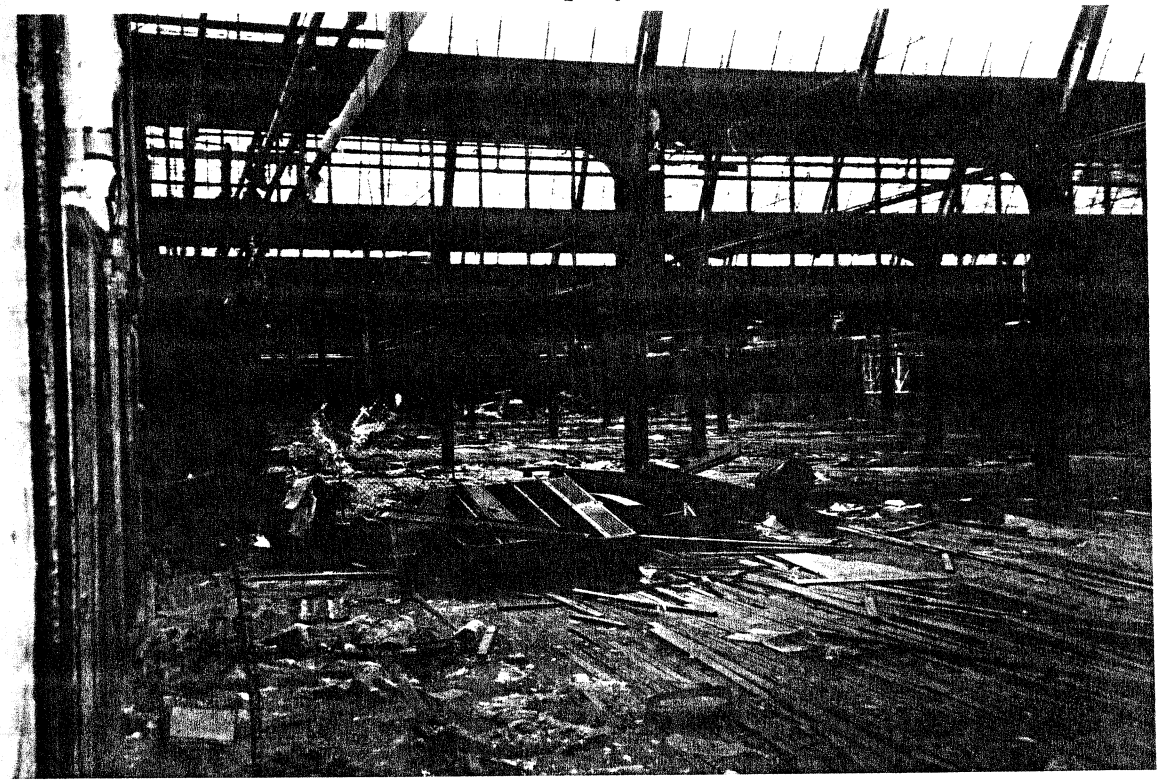

SCENE: Photograph looking south of the interior of Building A (panoramic 1 of 5).
FRAME NUMBER: 5A **DATE:** 13 August 1997 **TIME:** Varies **SKY CONDITION:** Indoors
PHOTOGRAPH BY: James Chow **WITNESS(ES):** Dave Strzempko
CAMERA: Minolta **SETTING:** Automatic **FILM TYPE:** 35 mm **FILM ROLL:** 298

SCENE: Photograph looking southwest of the interior of Building A (panoramic 2 of 5).
FRAME NUMBER: 6A **DATE:** 13 August 1997 **TIME:** Varies **SKY CONDITION:** Indoors
PHOTOGRAPH BY: James Chow **WITNESS(ES):** Dave Strzempko
CAMERA: Minolta **SETTING:** Automatic **FILM TYPE:** 35 mm **FILM ROLL:** 298

PHOTOGRAPHY LOG SHEET
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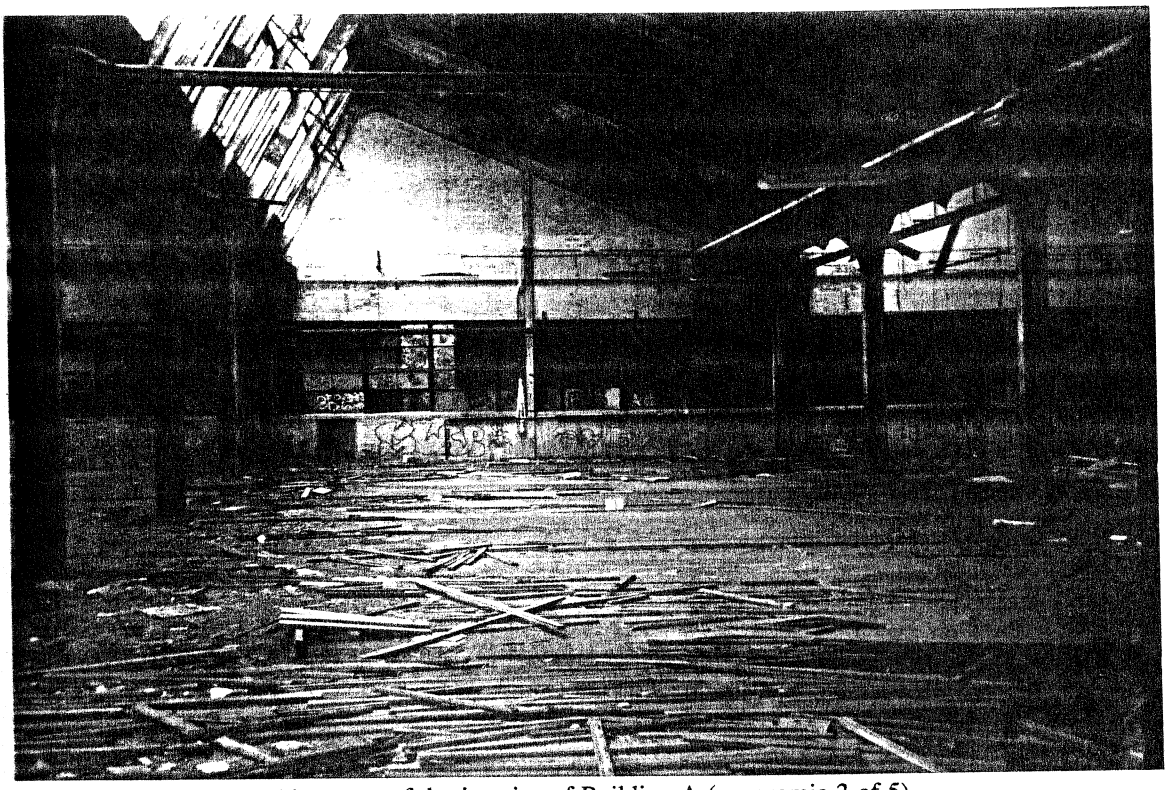
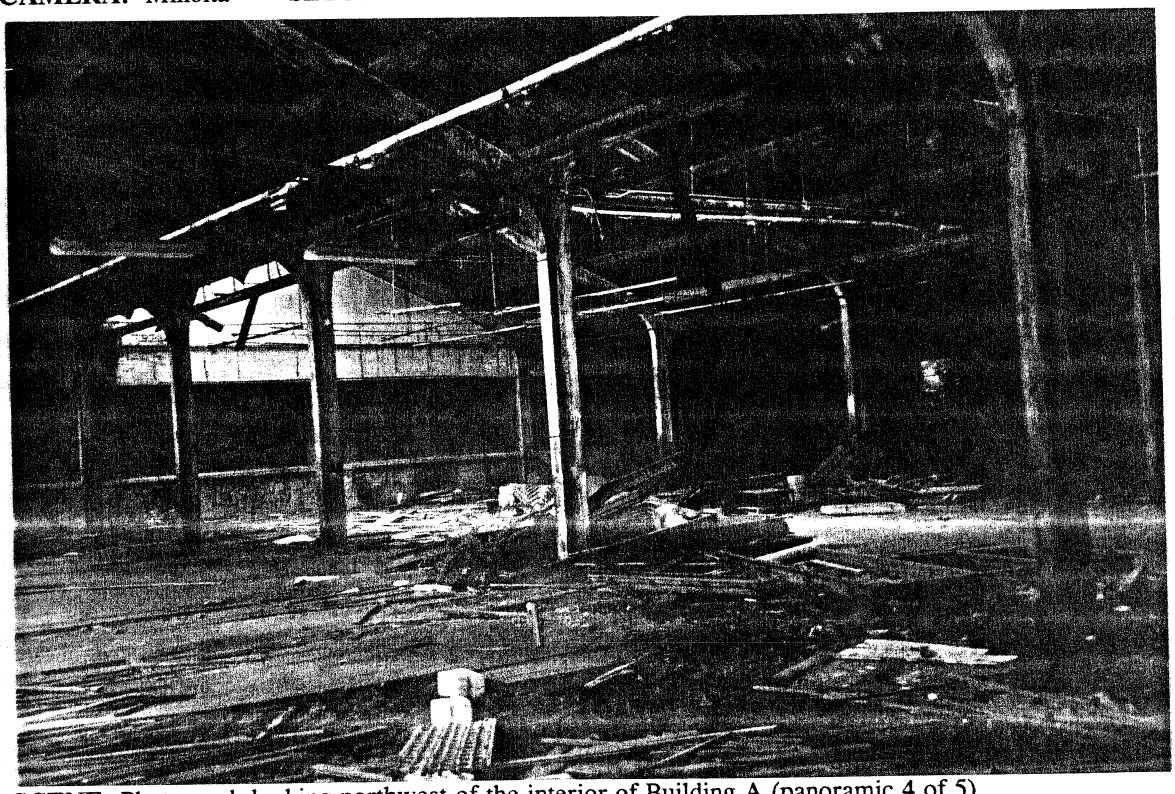


SCENE: Photograph looking west of the interior of Building A (panoramic 3 of 5).
FRAME NUMBER: 7A **DATE:** 13 August 1997 **TIME:** Varies **SKY CONDITION:** Indoors
PHOTOGRAPH BY: James Chow **WITNESS(ES):** Dave Strzempko
CAMERA: Minolta **SETTING:** Automatic **FILM TYPE:** 35 mm **FILM ROLL:** 298



SCENE: Photograph looking northwest of the interior of Building A (panoramic 4 of 5).
FRAME NUMBER: 8A **DATE:** 13 August 1997 **TIME:** Varies **SKY CONDITION:** Indoors
PHOTOGRAPH BY: James Chow **WITNESS(ES):** Dave Strzempko
CAMERA: Minolta **SETTING:** Automatic **FILM TYPE:** 35 mm **FILM ROLL:** 298

PHOTOGRAPHY LOG SHEET
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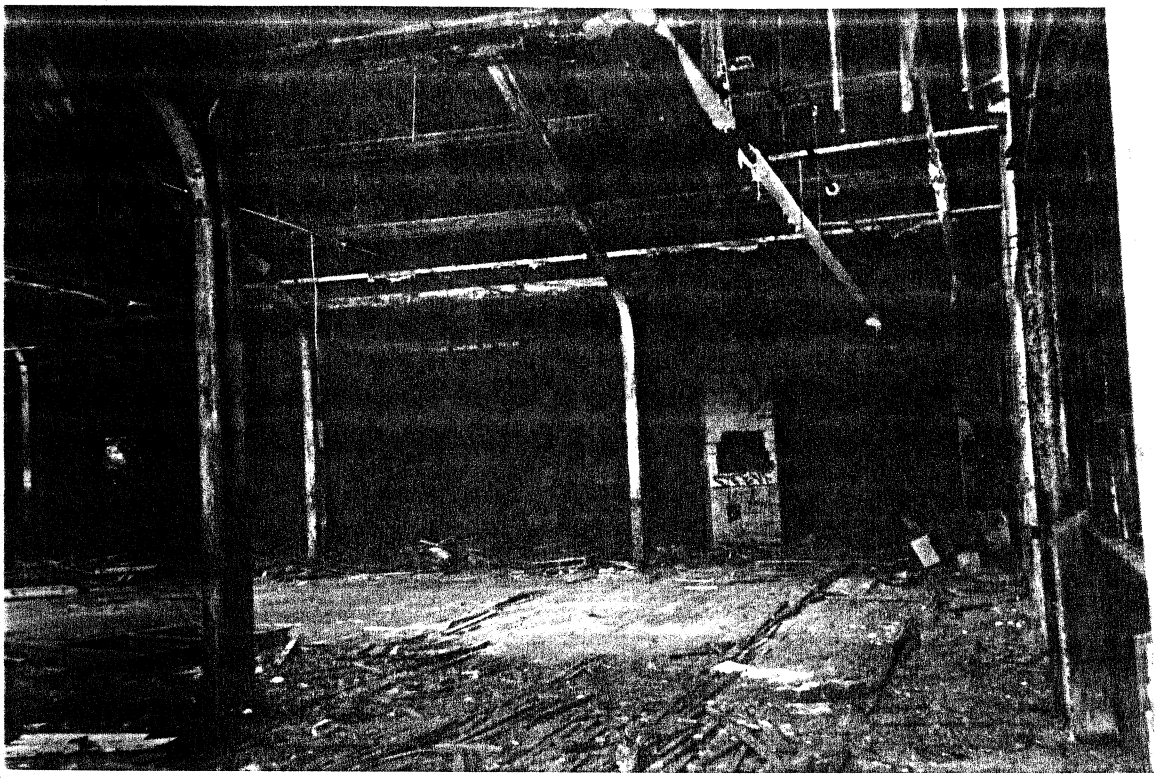
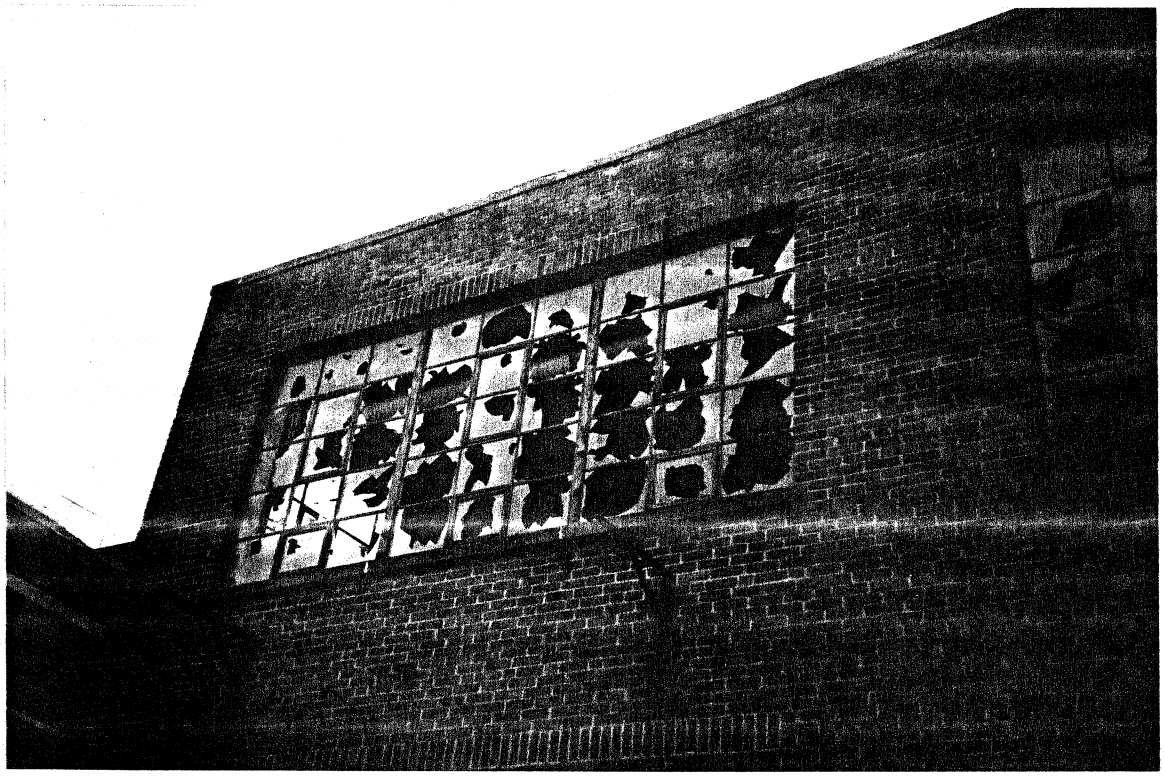


SCENE: Photograph looking north of the interior of Building A (panoramic 5 of 5).
FRAME NUMBER: 9A **DATE:** 13 August 1997 **TIME:** Varies **SKY CONDITION:** Indoors
PHOTOGRAPH BY: James Chow **WITNESS(ES):** Dave Strzempko
CAMERA: Minolta **SETTING:** Automatic **FILM TYPE:** 35 mm **FILM ROLL:** 298



SCENE: Photograph of Building A (Note: asbestos-wrapped pipes visible through broken windows).
FRAME NUMBER: 10A **DATE:** 13 August 1997 **TIME:** Varies **SKY CONDITION:** Overcast
PHOTOGRAPH BY: James Chow **WITNESS(ES):** Dave Strzempko
CAMERA: Minolta **SETTING:** Automatic **FILM TYPE:** 35 mm **FILM ROLL:** 298

PHOTOGRAPHY LOG SHEET
International Silver Company • Meriden, CT

SCENE: Photograph of a underground storage tank fill pipe located southeast of Building A.
FRAME NUMBER: 11A **DATE:** 13 August 1997 **TIME:** Varies **SKY CONDITION:** Overcast
PHOTOGRAPH BY: James Chow **WITNESS(ES):** Dave Strzempko
CAMERA: Minolta **SETTING:** Automatic **FILM TYPE:** 35 mm **FILM ROLL:** 298

D

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APPENDIX D

SOIL GAS SAMPLE FIELD SCREENING ANALYTICAL RESULTS
INTERNATIONAL SILVER CO., FACTORY H
START

Soil Gas Samples Collected 24 to 27 August 1998

WESTON

MEMORANDUM

TO: International Silver Co., Factory H. Site File
Brownfields Site Assessment (BSA)

FROM: Mark Warren, Roy F. Weston, Inc., Superfund Technical Assessment and Response Team

SUBJECT: Volatile Organic Compounds Screening Data
Former TDD No. 98-05-0098, Former PCS No. 5094-50
TDD No. 99-05-0230, PCS No. 7107-50

Work Order No. 20098-041-001-7107-50
Document Control No. A-3173

DATE: 18 August 1999

Seventy-seven soil gas samples and one groundwater sample were collected between 24 August and 27 August 1998 by Superfund Technical Assessment and Response Team (START) members James Chow, Mike Jennings, and Ben Latham. The samples were screened on site for the presence of volatile organic compounds (VOCs) using the Photovac 10S70 Portable Gas Chromatograph Photoionization Detector (GC/PID).

A Geoprobe® unit was used at locations throughout the International Silver Site to access subsurface soils. Soil gas samples were collected using standard drive rods, disposable points, soil gas sampling caps, Tygon® tubing, a Gilian® pump, and dedicated Tedlar bags. The groundwater sample was collected from an existing well using a dedicated polyethylene bailer. These samples were screened on the GC/PID using the *Standard Operating Procedure for 10S Series Photovac Portable GC Instruments*, May 1992, prepared by Roy F. Weston, Inc., Technical Assistance Team (TAT). The groundwater sample was prepared for analysis utilizing the water preparation method outlined in the above-mentioned standard operating procedure (SOP). Approximately 10 milliliters (ml) were poured off the groundwater sample, which was then shaken for approximately 1 minute. The sample was allowed 5 minutes to equilibrate prior to analysis. A 200 microliter (μL) aliquot of airspace from the standards, groundwater, and soil gas samples was injected into the GC/PID, equipped with a CP Sil 5CB heated capillary column, to determine the presence of VOCs.

Benzene, trichloroethene (TCE), toluene, tetrachloroethene (also known as perchloroethene - PCE), chlorobenzene, meta/para-xylenes, and ortho-xylene were detected in samples at

concentrations ranging from trace (below the daily established quantitation limit) to 34,000 parts per billion (ppb) on a volume to volume basis (ppb/v). Sample results are summarized in Table 1. TCE, 1,1-dichloroethene, trans-1,2-dichloroethene, ethylbenzene, and ortho-xylene were detected in the groundwater sample at concentrations ranging from 36 ppb to 130 ppb. Sample results are summarized in Table 2. No samples were submitted to a laboratory for confirmation analyses.

Screening on the Photovac 10S Series GC/PID is used for tentative identification and estimation of the concentration of certain VOCs in the samples. This screening is not meant to be a substitute for the Contract Laboratory Program (CLP) protocols.

Also attached is Appendix A - START Photovac Daily Field quality assurance/quality control (QA/QC) Forms.

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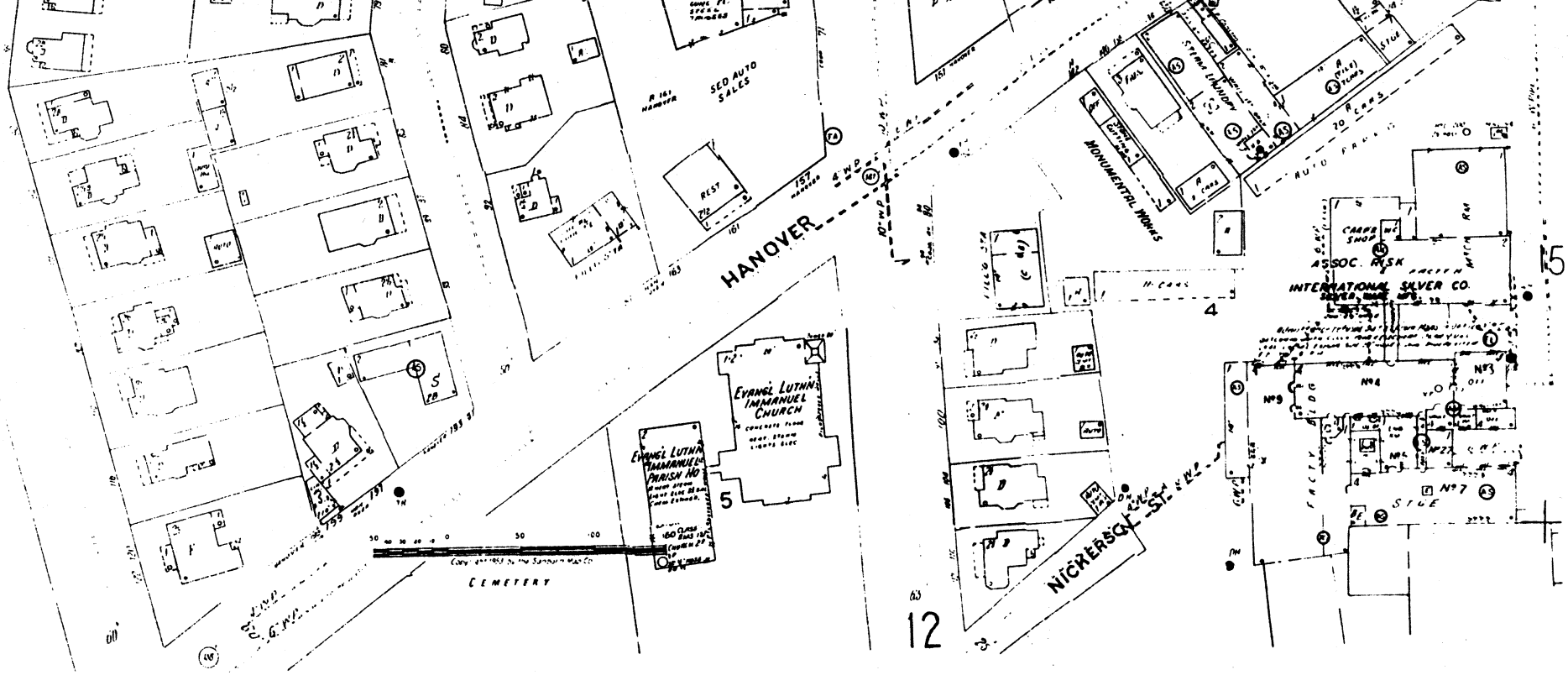

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Table 1

Soil Gas Sample Results
24 - 27 August 1998

TABLE 1
Volatile Organic Compound Screening Summary
Superfund Technical Assessment and Response Team

International Silver Co., Factory H. Site, Meriden, Connecticut
24 August 1998 - 27 August 1998

Soil Gas Sample Results (ppb/v)

Sample Number:		3+B00	3+B25	3+B50	3+B75	3+B100	3+C00	3+C25	3+C50	3+C75
Date Analyzed:		(08/24/98)	(08/24/98)	(08/24/98)	(08/24/98)	(08/24/98)	(08/24/98)	(08/24/98)	(08/24/98)	(08/24/98)
Tentatively Identified Compound	**QL**									
1,1-Dichloroethere	HIT	- -	- -	- -	- -	- -	- -	- -	- -	- -
Trans-1,2-Dichloroethene	HIT	- -	- -	- -	- -	- -	- -	- -	- -	- -
Benzene	76	Trace	83 F	- -	- -	65 F	- -	- -	18 F	23 F
Trichloroethene	71	Trace	200 F	39 F	- -	- -	- -	260 F	Trace	- -
Toluene	80	- -	820 F	26 F	47 F	54 F	- -	1,500 F	130 F	- -
Tetrachloroethene	100	- -	- -	45 F	- -	- -	- -	- -	- -	- -
Chlorobenzene	130	- -	- -	- -	- -	- -	- -	- -	- -	- -
Ethylbenzene	130	- -	- -	- -	- -	- -	- -	- -	- -	- -
meta & para--Xylenes	100	Trace	Trace	Trace	Trace	Trace	Trace	Trace	Trace	Trace
ortho-Xylene	91	Trace	Trace	Trace	Trace	Trace	- -	Trace	Trace	Trace
Minimum Dilution Factor	- -	1	1	1	1	1	1	1	1	1

All samples analyzed on a Photovac 10S70 Portable Gas Chromatograph, START #3

Quantitation Limit (QL) determined by daily evaluation of the instrument response to the standards.

- - = Compound was analyzed for, but was not detected above the sample quantitation limit (SQL), where SQL = QL x minimum dilution factor.
HIT = Conversion factor from the aqueous standard has not been determined for this compound.
ppb/v = Parts per billion on a volume to volume basis.
F = Field screening data. Analytes are tentatively identified and concentrations are estimates.
Trace = The value is < QL and could not be quantified reliably.

Reference: Region I Ambient Air Grab Sample Analysis for Volatile Organic Compounds.

P:\BSA\97050026\PHOTOTB1.12M

TABLE 1
Volatile Organic Compound Screening Summary
Superfund Technical Assessment and Response Team

International Silver Co., Factory H. Site, Meriden, Connecticut
24 August 1998 - 27 August 1998

Soil Gas Sample Results (ppb/v)

Sample Number:		3+C100	3+D00	3+D25	3+D50	3+D75	3+D100	3+E00	3+E25	3+E50
Date Analyzed:		(08/24/98)	(08/24/98)	(08/24/98)	(08/24/98)	(08/24/98)	(08/24/98)	(08/24/98)	(08/24/98)	(08/24/98)
Tentatively Identified Compound	**QL**									
1,1-Dichloroethere	HIT	- -	- -	- -	- -	- -	- -	- -	- -	- -
Trans-1,2-Dichloroethene	HIT	- -	- -	- -	- -	- -	- -	- -	- -	- -
Benzene	76	31 F	Trace	- -	Trace	Trace	- -	- -	- -	Trace
Trichloroethene	71	- -	- -	Trace	- -	- -	- -	- -	- -	- -
Toluene	80	- -	Trace	- -	28 F	56 F	Trace	- -	- -	- -
Tetrachloroethene	100	- -	- -	- -	- -	- -	- -	- -	- -	- -
Chlorobenzene	130	- -	- -	- -	- -	- -	- -	- -	- -	Trace
Ethylbenzene	130	- -	- -	- -	- -	- -	- -	- -	- -	- -
meta & para--Xylenes	100	Trace	46 F	- -	Trace	77	Trace	Trace	- -	Trace
ortho-Xylene	91	Trace	Trace	- -	Trace	Trace	Trace	Trace	Trace	- -
Minimum Dilution Factor	- -	1	1	1	1	1	1	1	1	1

All samples analyzed on a Photovac 10S70 Portable Gas Chromatograph, START #3
Quantitation Limit (QL) determined by daily evaluation of the instrument response to the standards.

- - = Compound was analyzed for, but was not detected above the sample quantitation limit (SQL), where SQL = QL x minimum dilution factor.
HIT = Conversion factor from the aqueous standard has not been determined for this compound.
ppb/v = Parts per billion on a volume to volume basis.
F = Field screening data. Analytes are tentatively identified and concentrations are estimates.
Trace = The value is < QL and could not be quantified reliably.

Reference: Region I Ambient Air Grab Sample Analysis for Volatile Organic Compounds.

TABLE 1
Volatile Organic Compound Screening Summary
Superfund Technical Assessment and Response Team

International Silver Co., Factory H. Site, Meriden, Connecticut
24 August 1998 - 27 August 1998

Soil Gas Sample Results (ppb/v)

Sample Number:		1+A00	1+A25	1+A50	1+A75	1+B00	1+B25	1+B50	1+B75	1+C00
Date Analyzed:		(08/25/98)	(08/25/98)	(08/25/98)	(08/25/98)	(08/25/98)	(08/25/98)	(08/25/98)	(08/25/98)	(08/25/98)
Tentatively Identified Compound	**QL**									
1,1-Dichloroethere	HIT	- -	- -	- -	- -	- -	- -	- -	- -	- -
Trans-1,2-Dichloroethene	HIT	- -	- -	- -	- -	- -	- -	- -	- -	- -
Benzene	30	- -	- -	Trace	240 F	- -	- -	- -	- -	- -
Trichloroethene	28	2,500 F	490 FB	6,400 F	190 FB	2,800 F	9,000 F	18,000 F	7,200 F	23,000 F
Toluene	32	- -	- -	Trace	120 F	- -	- -	- -	- -	- -
Tetrachloroethene	40	910 FB	280 FB	520 FB	380 FB	960 FB	690 FB	1,100 FB	340 FB	12,000 F
Chlorobenzene	65	- -	- -	- -	- -	- -	- -	- -	- -	- -
Ethylbenzene	67	- -	- -	- -	- -	- -	- -	- -	- -	- -
meta & para--Xylenes	50	- -	- -	- -	- -	- -	- -	- -	- -	- -
ortho-Xylene	46	- -	- -	- -	390 F	- -	- -	- -	- -	- -
Minimum Dilution Factor	- -	10	2.7	4	2.7	20	40	40	10	10

All samples analyzed on a Photovac 10S70 Portable Gas Chromatograph, START #3

Quantitation Limit (QL) determined by daily evaluation of the instrument response to the standards.

- - = Compound was analyzed for, but was not detected above the sample quantitation limit (SQL), where SQL = QL x minimum dilution factor.
- HIT = Conversion factor from the aqueous standard has not been determined for this compound.
- ppb/v = Parts per billion on a volume to volume basis.
- F = Field screening data. Analytes are tentatively identified and concentrations are estimates.
- B = Analyte also found in the associated equipment blank(s). Results are probably biased high due to suspected cross-contamination.
- Trace = The value is < QL and could not be quantified reliably.

Reference: Region I Ambient Air Grab Sample Analysis for Volatile Organic Compounds.

TABLE 1
Volatile Organic Compound Screening Summary
Superfund Technical Assessment and Response Team

International Silver Co., Factory H. Site, Meriden, Connecticut
24 August 1998 - 27 August 1998

Soil Gas Sample Results (ppb/v)

Sample Number:		1+C25	1+C50	1+D00	1+D25	1+E00	1+E25	1+F00	1+F25	1+G25
Date Analyzed:		(08/25/98)	(08/25/98)	(08/25/98)	08/25/98)	(08/25/98)	(08/25/98)	(08/25/98)	(08/25/98)	(08/25/98)
Tentatively Identified Compound	QL									
1,1-Dichloroethere	HIT	- -	- -	- -	- -	- -	- -	- -	- -	- -
Trans-1,2-Dichloroethene	HIT	- -	- -	- -	- -	- -	- -	- -	- -	- -
Benzene	30	- -	- -	- -	- -	- -	- -	- -	Trace	- -
Trichloroethene	28	8,100 F	2,200 F	15,000 F	810 FB	800 FB	480 FB	450 FB	410 FB	470 FB
Toluene	32	- -	- -	- -	- -	- -	- -	- -	Trace	- -
Tetrachloroethene	40	2,500 F	980 FB	18,000 F	1,000 FB	4,500 F	2,100 F	740 FB	1,900 F	2,300 F
Chlorobenzene	65	- -	- -	- -	- -	- -	- -	- -	- -	- -
Ethylbenzene	67	- -	- -	- -	- -	- -	- -	- -	- -	- -
meta & para--Xylenes	50	- -	- -	- -	- -	- -	- -	Trace	- -	- -
ortho-Xylene	46	- -	- -	- -	- -	- -	- -	Trace	- -	- -
Minimum Dilution Factor	- -	20	6.7	10	10	10	10	1	4	5

All samples analyzed on a Photovac 10S70 Portable Gas Chromatograph, START #3

Quantitation Limit (QL) determined by daily evaluation of the instrument response to the standards.

- - = Compound was analyzed for, but was not detected above the sample quantitation limit (SQL), where SQL = QL x minimum dilution factor.
HIT = Conversion factor from the aqueous standard has not been determined for this compound.
ppb/v = Parts per billion on a volume to volume basis.
F = Field screening data. Analytes are tentatively identified and concentrations are estimates.
B = Analyte also found in the associated equipment blank(s). Results are probably biased high due to suspected cross-contamination.
Trace = The value is < QL and could not be quantified reliably.

Reference: Region I Ambient Air Grab Sample Analysis for Volatile Organic Compounds.

TABLE 1
Volatile Organic Compound Screening Summary
Superfund Technical Assessment and Response Team

International Silver Co., Factory H. Site, Meriden, Connecticut
24 August 1998 - 27 August 1998

Soil Gas Sample Results (ppb/v)

Sample Number:		1+G50	1+H00	1+H25	1+H50	1+H75	1+I00	1+I25	1+I50	1+I75
Date Analyzed:		(08/25/98)	(08/25/98)	(08/25/98)	(08/25/98)	(08/25/98)	(08/25/98)	(08/25/98)	(08/25/98)	(08/25/98)
Tentatively Identified Compound	**QL**									
1,1-Dichloroethere	HIT	- -	- -	- -	- -	- -	- -	- -	- -	- -
Trans-1,2-Dichloroethene	HIT	- -	- -	- -	- -	- -	- -	- -	- -	- -
Benzene	30	- -	- -	- -	- -	- -	- -	- -	- -	- -
Trichloroethene	28	590 FB	1,200 FB	1,300 FB	7,000 F	940 FB	28,000 F	10,000 F	4,900 F	600 FB
Toluene	32	- -	- -	Trace	- -	- -	- -	- -	- -	- -
Tetrachloroethene	40	840 FB	1,100 FB	1,000 FB	4,000 F	1,000 FB	20,000 F	9,000 F	5,400 F	730 FB
Chlorobenzene	65	- -	- -	- -	- -	- -	- -	- -	- -	- -
Ethylbenzene	67	- -	- -	- -	- -	- -	- -	- -	- -	- -
meta & para--Xylenes	50	- -	- -	- -	- -	- -	- -	- -	- -	- -
ortho-Xylene	46	- -	- -	- -	- -	- -	- -	- -	- -	- -
Minimum Dilution Factor	- -	4	6.7	4	4	5	10	40	5	4

All samples analyzed on a Photovac 10S70 Portable Gas Chromatograph, START #3
Quantitation Limit (QL) determined by daily evaluation of the instrument response to the standards.

- - = Compound was analyzed for, but was not detected above the sample quantitation limit (SQL), where SQL = QL x minimum dilution factor.
HIT = Conversion factor from the aqueous standard has not been determined for this compound.
ppb/v = Parts per billion on a volume to volume basis.
F = Field screening data. Analytes are tentatively identified and concentrations are estimates.
B = Analyte also found in the associated equipment blank(s). Results are probably biased high due to suspected cross-contamination.
Trace = The value is < QL and could not be quantified reliably.

Reference: Region I Ambient Air Grab Sample Analysis for Volatile Organic Compounds.

TABLE 1
Volatile Organic Compound Screening Summary
Superfund Technical Assessment and Response Team

International Silver Co., Factory H. Site, Meriden, Connecticut
24 August 1998 - 27 August 1998

Soil Gas Sample Results (ppb/v)

Sample Number:		1+J00	1+J25	1+J50	1+J75
Date Analyzed:		(08/25/98)	(08/25/98)	(08/25/98)	(08/25/98)
Tentatively Identified Compound	QL				
1,1-Dichloroethere	HIT	- -	- -	- -	- -
Trans-1,2-Dichloroethene	HIT	- -	- -	- -	- -
Benzene	30	- -	- -	- -	- -
Trichloroethene	28	18,000 F	34,000 F	8,300 F	300 FB
Toluene	32	- -	- -	- -	Trace
Tetrachloroethene	40	1,800 F	7,300 F	1,800 F	160 FB
Chlorobenzene	65	- -	- -	- -	- -
Ethylbenzene	67	- -	- -	- -	- -
meta & para--Xylenes	50	- -	- -	- -	- -
ortho-Xylene	46	- -	- -	- -	- -
Minimum Dilution Factor	- -	1	10	20	4

All samples analyzed on a Photovac 10S70 Portable Gas Chromatograph, START #3
Quantitation Limit (QL) determined by daily evaluation of the instrument response to the standards.

- - = Compound was analyzed for, but was not detected above the sample quantitation limit (SQL), where SQL = QL x minimum dilution factor.
HIT = Conversion factor from the aqueous standard has not been determined for this compound.
ppb/v = Parts per billion on a volume to volume basis.
F = Field screening data. Analytes are tentatively identified and concentrations are estimates.
B = Analyte also found in the associated equipment blank(s). Results are probably biased high due to suspected cross-contamination.
Trace = The value is < QL and could not be quantified reliably.

Reference: Region I Ambient Air Grab Sample Analysis for Volatile Organic Compounds.

TABLE 1
Volatile Organic Compound Screening Summary
Superfund Technical Assessment and Response Team

International Silver Co., Factory H. Site, Meriden, Connecticut
24 August 1998 - 27 August 1998

Soil Gas Sample Results (ppb/v)

Sample Number:		1+K00	1+K25	1+K50	1+L00	1+L25	1+L50
Date Analyzed:		(08/26/98)	(08/26/98)	(08/26/98)	(08/26/98)	(08/26/98)	(08/26/98)
Tentatively Identified Compound	QL						
1,1-Dichloroethere	HIT	- -	- -	- -	- -	- -	- -
Trans-1,2-Dichloroethene	HIT	- -	- -	- -	- -	- -	- -
Benzene	30	- -	- -	- -	- -	- -	- -
Trichloroethene	28	3,600 F	4,800 F	3,900 F	53 F	1,800 F	180 F
Toluene	32	- -	- -	- -	Trace	- -	- -
Tetrachloroethene	40	Trace	Trace	1,100 F	40 F	51 F	100 F
Chlorobenzene	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	NA	NA	NA	NA	NA	NA	NA
meta & para--Xylenes	NA	NA	NA	NA	NA	NA	NA
ortho-Xylene	NA	NA	NA	NA	NA	NA	NA
Minimum Dilution Factor	- -	6.7	10	1	1	1	1

All samples analyzed on a Photovac 10S70 Portable Gas Chromatograph, START #3
Quantitation Limit (QL) determined by daily evaluation of the instrument response to the standards.

- - = Compound was analyzed for, but was not detected above the sample quantitation limit (SQL), where SQL = QL x minimum dilution factor.
HIT = Conversion factor from the aqueous standard has not been determined for this compound.
ppb/v = Parts per billion on a volume to volume basis.
F = Field screening data. Analytes are tentatively identified and concentrations are estimates.
NA = Not analyzed for.
Trace = The value is < QL and could not be quantified reliably.

Reference: Region I Ambient Air Grab Sample Analysis for Volatile Organic Compounds.

TABLE 1
Volatile Organic Compound Screening Summary
Superfund Technical Assessment and Response Team

International Silver Co., Factory H. Site, Meriden, Connecticut
24 August 1998 - 27 August 1998

Soil Gas Sample Results (ppb/v)

Sample Number:		2+A00	2+A25	5+00	5+50	5+100	5+150	5+200	5+250	5+350
Date Analyzed:		(08/26/98)	(08/26/98)	(08/26/98)	(08/26/98)	(08/26/98)	(08/26/98)	(08/26/98)	(08/26/98)	(08/26/98)
Tentatively Identified Compound	**QL**									
1,1-Dichloroethere	HIT	- -	- -	- -	- -	- -	- -	- -	- -	- -
Trans-1,2-Dichloroethene	HIT	- -	- -	- -	- -	- -	- -	- -	- -	- -
Benzene	30	- -	- -	- -	- -	- -	- -	- -	- -	- -
Trichloroethene	28	120 F	78 F	91 F	240 F	1,800 F	210 F	490 F	540 F	350 F
Toluene	32	- -	- -	Trace	- -	- -	- -	Trace	Trace	- -
Tetrachloroethene	40	80 F	56 F	64 F	48 F	44 F	34 F	40 F	34 F	25 F
Chlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
meta & para--Xylenes	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ortho-Xylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Minimum Dilution Factor	- -	1	1	1	1	1	1	1	1	1

All samples analyzed on a Photovac 10S70 Portable Gas Chromatograph, START #3
Quantitation Limit (QL) determined by daily evaluation of the instrument response to the standards.

- - = Compound was analyzed for, but was not detected above the sample quantitation limit (SQL), where SQL = QL x minimum dilution factor.
HIT = Conversion factor from the aqueous standard has not been determined for this compound.
ppb/v = Parts per billion on a volume to volume basis.
F = Field screening data. Analytes are tentatively identified and concentrations are estimates.
NA = Not analyzed for.
Trace = The value is < QL and could not be quantified reliably.

Reference: Region I Ambient Air Grab Sample Analysis for Volatile Organic Compounds.

TABLE 1
Volatile Organic Compound Screening Summary
Superfund Technical Assessment and Response Team

International Silver Co., Factory H. Site, Meriden, Connecticut
24 August 1998 - 27 August 1998

Soil Gas Sample Results (ppb/v)

Sample Number:		6+00	6+50	6+100	6+150	6+200	Equipment Blank
Date Analyzed:		(08/26/98)	(08/26/98)	(08/26/98)	(08/26/98)	(08/26/98)	(08/26/98)
Tentatively Identified Compound	**QL**						
1,1-Dichloroethere	HIT	- -	- -	- -	- -	- -	- -
Trans-1,2-Dichloroethene	HIT	- -	- -	- -	- -	- -	- -
Benzene	30	- -	- -	- -	- -	- -	- -
Trichloroethene	28	36 F	22 F	260 F	26 F	15 F	Trace
Toluene	32	- -	- -	- -	- -	- -	- -
Tetrachloroethene	40	23 F	Trace	Trace	Trace	Trace	Trace
Chlorobenzene	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	NA	NA	NA	NA	NA	NA	NA
meta & para--Xylenes	NA	NA	NA	NA	NA	NA	NA
ortho-Xylene	NA	NA	NA	NA	NA	NA	NA
Minimum Dilution Factor	- -	1	1	1	1	1	1

All samples analyzed on a Photovac 10S70 Portable Gas Chromatograph, START #3
Quantitation Limit (QL) determined by daily evaluation of the instrument response to the standards.

- - = Compound was analyzed for, but was not detected above the sample quantitation limit (SQL), where SQL = QL x minimum dilution factor.
HIT = Conversion factor from the aqueous standard has not been determined for this compound.
ppb/v = Parts per billion on a volume to volume basis.
F = Field screening data. Analytes are tentatively identified and concentrations are estimates.
NA = Not analyzed for.
Trace = The value is < QL and could not be quantified reliably.

Reference: Region I Ambient Air Grab Sample Analysis for Volatile Organic Compounds.

TABLE 1
Volatile Organic Compound Screening Summary
Superfund Technical Assessment and Response Team

International Silver Co., Factory H. Site, Meriden, Connecticut
24 August 1998 - 27 August 1998

Soil Gas Sample Results (ppb/v)

Sample Number:		Equipment	Equipment	Equipment	1+M00	1+M25	1+M50	1+D-25	1+E-25
Date Analyzed:		Blank 1	Blank 2	Blank 3	(08/27/98)	(08/27/98)	(08/27/98)	(08/27/98)	(08/27/98)
		(08/27/98)	(08/27/98)	(08/27/98)					
Tentatively Identified Compound	**QL**								
1,1-Dichloroethere	HIT	- -	- -	- -	- -	- -	- -	- -	- -
Trans-1,2-Dichloroethene	HIT	- -	- -	- -	- -	- -	- -	- -	- -
Benzene	30	- -	- -	- -	- -	- -	- -	- -	- -
Trichloroethene	28	370 F	130 F	200 F	33 FB	180 FB	55 FB	17,000 F	4,000 F
Toluene	32	- -	- -	- -	Trace	Trace	Trace	- -	- -
Tetrachloroethene	40	270 F	130 F	180 F	42 FB	60 FB	93 FB	6,700 F	1,400 F
Chlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
meta & para--Xylenes	NA	NA	NA	NA	NA	NA	NA	NA	NA
ortho-Xylene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Minimum Dilution Factor	- -	- -	- -	- -	1	1	1	4	4

All samples analyzed on a Photovac 10S70 Portable Gas Chromatograph, START #3
Quantitation Limit (QL) determined by daily evaluation of the instrument response to the standards.

- - = Compound was analyzed for, but was not detected above the sample quantitation limit (SQL), where SQL = QL x minimum dilution factor.
HIT = Conversion factor from the aqueous standard has not been determined for this compound.
ppb/v = Parts per billion on a volume to volume basis.
F = Field screening data. Analytes are tentatively identified and concentrations are estimates.
B = Analyte also found in the associated equipment blank(s). Results are probably biased high due to suspected cross-contamination.
NA = Not analyzed for.
Trace = The value is < QL and could not be quantified reliably.

Reference: Region I Ambient Air Grab Sample Analysis for Volatile Organic Compounds.

Table 2

Groundwater Sample Results
26 August 1998

TABLE 2
Volatile Organic Compound Screening Summary
Superfund Technical Assessment and Response Team

International Silver Co., Factory H. Site, Meriden, Connecticut
26 August 1998

Groundwater Results (µg/L)

Sample Number:		GW-1								
Date Analyzed:		(8/26/98)								
Tentatively Identified Compound	**DL**									
1,1-Dichloroethere	1	36 F								
Trans-1,2-Dichloroethene	1	48 F								
Benzene	1	- -								
Trichloroethene	1	130 F								
Toluene	1	- -								
Tetrachloroethene	1	180 F								
Chlorobenzene	1	- -								
Ethylbenzene	1	63 F								
meta & para--Xylenes	1	- -								
ortho-Xylene	1	75 F								
Unknown Peaks	- -	5								

All samples analyzed on a Photovac 10S70 Portable Gas Chromatograph, START #3
Detection limit (DL) determined by daily evaluation of the response of the standards.

-- = The compound was analyzed for but not detected above the detection limit.
F = Field screening data. Analytes are tentatively identified and concentrations are estimates.

Reference: Region I Ambient Air Grab Sample Analysis for Volatile Organic Compounds.

Appendix A

START Photovac Daily QA/QC Forms

~~STAT~~ Photovac Daily Field QA/QC Form

Site Name: International Silver
TDD#: 98-05-0098

Date: ~~8/25/98~~ 8-24-99 (99)
PCS#: 5074 (99)

Analyst: Killian
~~TAT Region I~~ START

QA Level: QA1 - no confirmation analysis or QA2 - laboratory confirmation

Photovac 10S series, ~~photoionization detector:~~ 10S50 or 10S70
Column used: ~~CPSil5CB capillarySE-30~~ _inches other _____

CALIBRATION

1. Standards preparation documented in the preparation logbook? yes no
2. Continuing calibration performed once every 10 samples or once every 2 hours, whichever is more frequent? yes no

BLANKS

1. Was initial syringe blank analyzed for every syringe used? yes no
2. Was reagent blank analyzed? yes no
3. Were syringe blanks run appropriately after high level samples to check for carry-over contamination? yes no

Note: Samples collected into dedicated Tedlar bags. See 8-26-98 data for equipment blank.

ACCURACY

1. Was the PE sample analyzed once a day? (QA2) yes no

Compounds	Conc. Found (ppb)	True Value (ppb)	% Recovery
1,1-DCE	6.2 ✓	7.5	83 ✓
Benzene	7.4		99
TCE	7.4		99
Toluene	6.7		89
Chlorobenzene	7.9		105

MINIMUM DETECTION LIMIT

1. Was the minimum detection limit demonstrated? (QA2) yes no

~~2 ppb AQ~~ (99) see back/2nd sheet

PRECISION

1. Were field duplicates analyzed at least once or at the frequency of one per 10 samples analyzed? yes no

Sample #	Compounds	Sample Conc./Dupl. Conc.	% Difference
Area 3 E+00	M/P-Xylenes	trace/trace	--
	O-Xylene	Trace/trace	--
Area 3 C+100	Benzene	28 ~~83~~/31	(99) ~~63~~ 10%
	M/P-Xylenes	trace/trace	--
	O-Xylene	trace/trace	--
Area 3 B+25	Benzene	83/60	28
	TCE	200/130	35
	M/P-Xylenes	~~8~~ 13/12	8
	O-Xylene	✓ 11/14	11
	Toluene	820/730	

Analyst's Comments:

Reviewer: CG

Date: 8-12-99

Sample ID	Compound	Sample Conc./Dup Conc.	%D
Area 3 C+2S	TCE	260/ 86	67
	Toluene	1,500/ 870 J	42
	M/P -Xylenes	Trace/ 13	--
	O-Xylene	12/ 11	8

Note: 200 sec backflush pulse may cause positive interference w/ low levels of TCE which elutes after ~ run #20 at ~ 200 sec.

VOC Daily Field QA/QC Form (continued)

8-24-99

Standards Documentation and Compound Detection Limits

Standard Compound	Source	Standard ID or Lot Number	Standard Date *	Standard Conc. (ug/L)	Detection Limit (ug/L)	Clifford Conv. Factor	Detection Limit (ppb/v)	Comments
1,1-DCE	Supelco	WSTAT 203	exp. or prep. 8-21-99	10	2	hit	hit	
t-1,2-DCE			exp. or prep:		2	hit	hit	
Benzene			exp. or prep:		5	15.1	76	
TCE			exp. or prep:		5	14.2	71	
Toluene			exp. or prep:		5	15.9	80	
PCE (C2Cl4)			exp. or prep:		5	20.1	101	
Chlorobenzene			exp. or prep:		10	13.0	130	
Ethylbenzene			exp. or prep:		10	13.3	133	
m- & p-Xylene			exp. or prep:		10	10.0	100	
o-Xylene			exp. or prep:		10	9.1	91	
PE/LCS **		WSTAT 208	exp. or prep. 8-21-99	7.5	–	–	–	
			exp. or prep:					
			exp. or prep:					
			exp. or prep:					
			exp. or prep:					
			exp. or prep:					
			exp. or prep:					

* - circle exp. (expiration) or prep (preparation), and indicate date

** - PE/LCS usually contains 1,1-DCE, benzene, TCE, toluene, and chlorobenzene.

see #19

Note: high conc. of TCE and/or PCE were not detected on 8-24-99. Therefore, carryover from Silica pump not expected to be a problem.

StdDocVo.12M (P:\START\AS\)

TAT Photovac Daily Field QA/QC Form

Site Name: International Silver Date: 8/27/98 Analyst: Warren
TDD#: 98-05-0098 PCS#: 5094 START ~~TAT Region I~~

QA Level: QA1 - no confirmation analysis or ~~QA2 - laboratory confirmation~~

Photovac 10S series, photoionization detector: 10S50 or 10S70
Column used: CPSil5CB capillarySE-30 _inches other _____

CALIBRATION

1. Standards preparation documented in the preparation logbook? yes no
2. Continuing calibration performed once every 10 samples or once every 2 hours, whichever is more frequent? yes no

BLANKS

1. Was initial syringe blank analyzed for every syringe used? yes no
2. Was reagent blank analyzed? yes no
3. Were syringe blanks run appropriately after high level samples to check for carry-over contamination? yes no

ACCURACY

1. Was the PE sample analyzed once a day? (QA2) yes no

Compounds	Conc. Found (ppb)	True Value (ppb)	% Recovery
1,1-DCE	9.4	7.5	125
Benzene	10		135
TCE	8.1		108
Toluene	8.4		112
Chlorobenzene	ND		0

2nd analysis

MINIMUM DETECTION LIMIT

1. Was the minimum detection limit demonstrated? (QA2) yes no

PRECISION

1. Were field duplicates analyzed at least once or at the frequency of one per 10 samples analyzed? yes no

Sample #	Compounds	Sample Conc./Dupl. Conc. (ppb)	% Difference
1 + MOO	TCE	33/32	3
	Toluene	trace/trace	--
	PCE	42/41	2

Analyst's Comments:

Date: 8-16-99

Site Name: International Silver
TDD#: 98-05-0098

Date: 8/25/98
PCS#: 5094

Analyst: Warren
~~TAT~~ Region I
START

QA Level: QA1 - no confirmation analysis or QA2 - laboratory confirmation

Photovac 10S series, ~~photoionization detector~~: 10S50 or 10S70
Column used: ~~CPSil5CB capillary~~SE-30 _inches other _____

CALIBRATION

1. Standards preparation documented in the preparation logbook? yes no
2. Continuing calibration performed once every 10 samples or once every 2 hours, whichever is more frequent? yes no

BLANKS

1. Was initial syringe blank analyzed for every syringe used? yes no
2. Was reagent blank analyzed? yes no
3. Were syringe blanks run appropriately after high level samples to check for carry-over contamination? yes no

Samples collected into dedicated Tedlar bags. See 8-26-98 data for equipment blank.

ACCURACY

1. Was the PE sample analyzed once a day? (QA2) yes no

Compounds	Conc. Found (ppb)	True Value (ppb)	% Recovery
1,1-DCE	12.9	7.5	170
Benzene	12.3		160
TCE	11.4		150
Toluene	12.1		160
Chlorobenzene	13		170

MINIMUM DETECTION LIMIT

1. Was the minimum detection limit demonstrated? (QA2) yes no

PRECISION

1. Were field duplicates analyzed at least once or at the frequency of one per 10 samples analyzed? yes no

Sample #	Compounds	Sample Conc./Dupl. Conc. (ppb v/v)	% Difference
1+F00	TCE	450/230	49
	~~PE~~ PCE	740/490	34
1+A00	TCE	2,500/2400	4
	PCE	910/810 J	11

Should have reanalyzed PE ~~sample~~ sample

Analyst's Comments: PE recoveries high, results may be biased high.

Reviewer: GG Date: 8-16-99

EPA-NE - Data Validation Worksheet
VOA/SV - Pest/PCB-V-B

3. **Blank Actions - List the maximum concentrations of blank compounds.**

Compound	Type of Blank	Date Blank Sampled/Originated	Max. Conc. (units)	Action Level (units)	Sample QL	Samples Affected	Action
TCE	Equipment	8-27-98	370 ppb	1,850	28	8-27-98 samples	B
PCE	↓	↓	270	1,350	40	↓	B
						also 8-25-98 samples where similar high levels of TCE and PCE were noted in some samples and could be expected to cause carryover contamination through the bailer pump.	

Comments: B - Analyte also found in the associated equipment blank(s). Results are probably biased high due to suspected cross-contamination.

Validator: CG

Date: 8-16-99

8-27-98

VOC Daily Field QA/QC Form (continued)

Standards Documentation and Compound Detection Limits

Standard Compound	Source	Standard ID or Lot Number	Standard Date *	Standard Conc. (ug/L)	Detection Limit (ug/L)	Clifford Conv. Factor	Detection Limit (ppb/v)	Comments
1,1-DCE	Supelco	WSTAT206	exp. or prep: 8-21-98	10	1	hit	+ NA	
t-1,2-DCE			exp. or prep:		1	hit	+ NA	
Benzene			exp. or prep:		2	15.1	30	
TCE			exp. or prep:		2	14.2	28	
Toluene			exp. or prep:		2	15.9	32	
PCE (C2Cl4)			exp. or prep:		2	20.1	40	
Chlorobenzene			exp. or prep:		NA	13.0	NA	
Ethylbenzene			exp. or prep:			13.3	NA	
m- & p-Xylene			exp. or prep:			10.0	NA	
o-Xylene			exp. or prep:			9.1	NA	
PE/LCS **	Supelco	WSTAT211	exp. or prep: 8-21-98	7.5	--	--	--	
			exp. or prep:					
			exp. or prep:					
			exp. or prep:					
			exp. or prep:					
			exp. or prep:					
			exp. or prep:					

* - circle exp. (expiration) or prep (preparation), and indicate date

** - PE/LCS usually contains 1,1-DCE, benzene, TCE, toluene, and chlorobenzene.

NA - not analyzed for due to instrument difficulties and/or analysis stopped before these compounds RTs.

StdDocVo.12M (P:\START\AS\)

VOC Daily Field QA/QC Form (continued)

8-24-99

Standards Documentation and Compound Detection Limits

Standard Compound	Source	Standard ID or Lot Number	Standard Date *	Standard Conc. (ug/L)	Detection Limit (ug/L)	Clifford Conv. Factor	Detection Limit (ppb/v)	Comments
1,1-DCE	Supelco	WSTAT 203	exp. or prep. 8-21-99	10	2	hit	hit	
t-1,2-DCE			exp. or prep:		2	hit	hit	
Benzene			exp. or prep:		5	15.1	76	
TCE			exp. or prep:		5	14.2	71	
Toluene			exp. or prep:		5	15.9	80	
PCE (C2Cl4)			exp. or prep:		5	20.1	101	
Chlorobenzene			exp. or prep:		10	13.0	130	
Ethylbenzene			exp. or prep:		10	13.3	133	
m- & p-Xylene			exp. or prep:		10	10.0	100	
o-Xylene			exp. or prep:		10	9.1	91	
PE/LCS **		WSTAT 208	exp. or prep. 8-21-99	7.5	–	–	–	
			exp. or prep:					
			exp. or prep:					
			exp. or prep:					
			exp. or prep:					
			exp. or prep:					
			exp. or prep:					

* - circle exp. (expiration) or prep (preparation), and indicate date

** - PE/LCS usually contains 1,1-DCE, benzene, TCE, toluene, and chlorobenzene.

see #19

Note: high conc. of TCE and/or PCE were not detected on 8-24-99. Therefore, carryover from Silica pump not expected to be a problem.

StdDocVo.12M (P:\STARTAS\)

E

APPENDIX E

MONITORING WELLS MW-8 THROUGH MW-14 BORING LOGS
INTERNATIONAL SILVER CO., FACTORY H
START

Monitoring Wells Installed 24 August to 1 September 1998

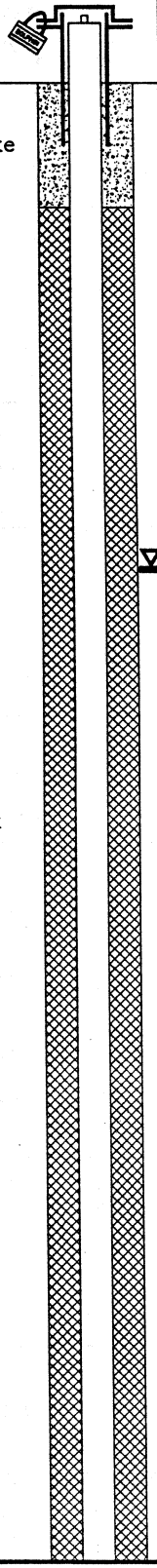
WESTON MANAGERS DESIGNERS/CONSULTANTS

TEST BORING LOG
BORING NO. MW-13

PROJECT: International Silver Co.	SHEET NO. 1 OF 3
CLIENT: U.S. EPA Region 1	JOB NO. 11098-003-001-5094
BORING CONTRACTOR: Earth Exploration, Inc. RIG: Mobile Drill B57	ELEVATION (ground) unknown
	DATE STARTED 8/24/98
	DATE FINISHED 8/24/98
	DRILLER T. Taylor
	INSPECTOR B. Bowen

GROUNDWATER					CAS.	SAMP.	CORE	TUBE
DATE	TIME	WATER ELEVATION	DATUM	TYPE	CASE & WASH	SS		
8/24/98		7'7"	BGS	DIA.	6"	2"		
				WT.	300	140		
				FALL		30"		

WELL CONSTRUCTION



DEPTH (FEET)	SAMPLE NO.	REC. (in)	BLOWS PER 6 INCHES	CLASSIFICATION	OVA (ppm) (units above background)
0		24	29, 7, 12, 15	0-2": Asphalt. 2"-6": Fill-GRAVEL, angular. 6"-2': GRAVEL, fine-to-coarse SAND and SILT, brown, moist. 2.0'	0.0
2, 4					
6		16	1, 1, 3, 7	5'-5'10": Silty fine SAND, red brown. 5'10"-6'4": Same as above, but dark brown. 7.0'	1.5
8					
10		16	20, 16, 16, 20	Clayey SILT, trace fine SAND, wet, red brown. 12.0'	0.0
12					
14		16	3, 6, 8, 10	Red-brown clayey SILT. 16.0'	0.0
16, 18					
20		14	1, 3, 5, 5	Same lithology as above. 21.0'	0.0
22					

P:\BSA\97050026\FIGURES\MW-13

WESTON MANAGERS DESIGNERS/CONSULTANTS

TEST BORING LOG
BORING NO. MW-13

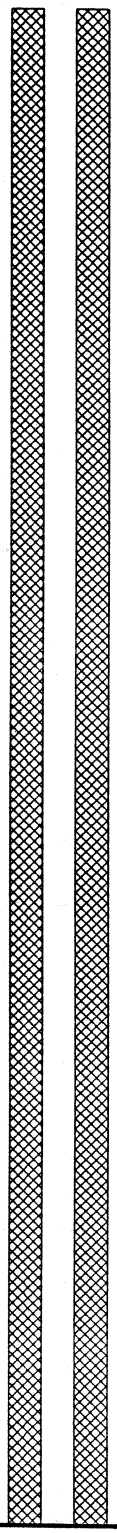
PROJECT: International Silver Co.	SHEET NO. 2 OF 3
CLIENT: U.S. EPA Region 1	JOB NO. 11098-003-001-5094
BORING CONTRACTOR: Earth Exploration, Inc. RIG: Mobile Drill B57	ELEVATION (ground) unknown
	DATE STARTED 8/24/98
	DATE FINISHED 8/24/98
	DRILLER T. Taylor
	INSPECTOR B. Bowen

GROUNDWATER

DATE	TIME	WATER ELEVATION	DATUM

	CAS.	SAMP.	CORE	TUBE
TYPE	CASE & WASH	SS		
DIA.	6"	2"		
WT.	300	140		
FALL		30"		

WELL CONSTRUCTION



DEPTH (FEET)	SAMPLE NO.	REC. (in)	BLOWS PER 6 INCHES	CLASSIFICATION	OVA (ppm) (units above background)
24					
26					
28					
30		24	8, 9, 12, 17	Sandy SILT, medium-to-fine SAND, red brown, wet. 31.0'	0.0
32					
34		0	20, 22, 24, 19	No recovery. 36.0'	Not applicable
36					
38					
40		24	22, 36, 12, 19	Silty medium-to-fine SAND, red brown, wet. 41.0'	0.0
42					
44			10, 12, 18, 18	No recovery. 46.0'	Not applicable
46					
47.5					

P:\BSA\97050026\FIGURES\MW-13A

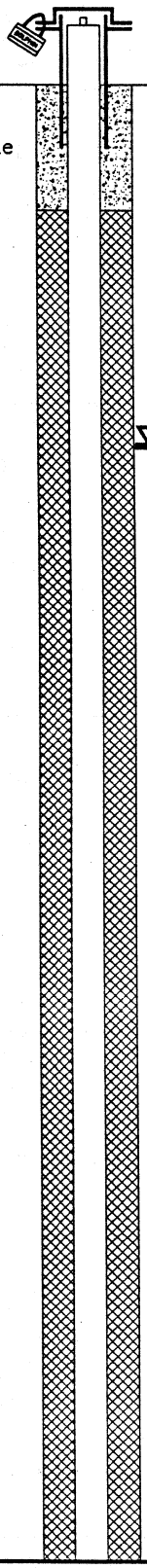
WESTON MANAGERS DESIGNERS/CONSULTANTS

TEST BORING LOG
BORING NO. MW-12

PROJECT: International Silver Co.	SHEET NO. 1 OF 2
CLIENT: U.S. EPA Region 1	JOB NO. 11098-003-001-5094
BORING CONTRACTOR: Earth Exploration, Inc. RIG: Mobile Drill B57	ELEVATION (ground) unknown
	DATE STARTED 8/24/98
	DATE FINISHED 8/24/98
	DRILLER T. Taylor
	INSPECTOR B. Bowen

GROUNDWATER					CAS.	SAMP.	CORE	TUBE
DATE	TIME	WATER ELEVATION	DATUM	TYPE	CASE & WASH	SS		
8/24/98		5'8"	BGS	DIA.	6"	2"		
				WT.	300	140		
				FALL		30"		

WELL CONSTRUCTION



DEPTH (FEET)	SAMPLE NO.	REC. (in)	BLOWS PER 6 INCHES	CLASSIFICATION	OVA (ppm) (units above background)
0		16	63, 16, 9, 9	0–2": Asphalt. 2"–1'4": Fill–GRAVEL, SAND, and SILT, brown, moist. 2.0'	0.0
2, 4					
6		0	0.5, 0.5, 0.5, 0.5	Oily sheen on spoon. No recovery. 7.0'	Not applicable
8					
10		18	16, 20, 20, 16	9'–10'2": Silty medium to fine SAND, brown, wet. 10'2"–10'6": Sandy SILT. 11.0'	0.0
12					
14		16	12, 9, 9, 12	Sandy SILT, fine SAND, brown to red brown, wet. 16.0'	0.0
16, 18					
20		14	23, 19, 17, 46	Same lithology as above. 21.0'	0.0
22					

P:\BSA\97050026\FIGURES\MW-12

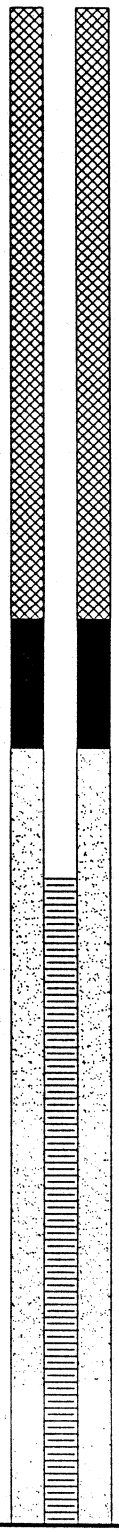
WESTON MANAGERS DESIGNERS/CONSULTANTS

TEST BORING LOG
BORING NO. MW-12

PROJECT: International Silver Co.	SHEET NO. 2 OF 2
CLIENT: U.S. EPA Region 1	JOB NO. 11098-003-001-5094
BORING CONTRACTOR: Earth Exploration, Inc. RIG: Mobile Drill B57	ELEVATION (ground) unknown
	DATE STARTED 8/24/98
	DATE FINISHED 8/24/98
	DRILLER T. Taylor
	INSPECTOR B. Bowen

GROUNDWATER					CAS.	SAMP.	CORE	TUBE
DATE	TIME	WATER ELEVATION	DATUM	TYPE	CASE & WASH	SS		
				DIA.	6"	2"		
				WT.	300	140		
				FALL		30"		

WELL CONSTRUCTION



DEPTH (FEET)	SAMPLE NO.	REC. (in)	BLOWS PER 6 INCHES	CLASSIFICATION	OVA (ppm) (units above background)
24		18	22, 22, 22, 31	Same lithology as above. 26.0'	0.0
26, 28					
30		20	16, 17, 24, 20	Same lithology as above. 31.0'	0.0
32					
34		22	18, 20, 24, 25	Silty coarse-to-fine SAND, red-brown, wet. 36.0'	0.0
36, 38					
40		16	12, 19, 22, 36	Same lithology as above. 41.0'	0.0
42					
44		4	150/6	Weathered BEDROCK, silty fine-to-medium SAND, red brown, wet. 46.0'	0.0
46				47.0'	
47.5				BEDROCK, SANDSTONE, red brown. 47.5'	(END OF BORING)

P:\BSA\97050026\FIGURES\MW-12A

WESTON MANAGERS DESIGNERS/CONSULTANTS

TEST BORING LOG
BORING NO. MW-13

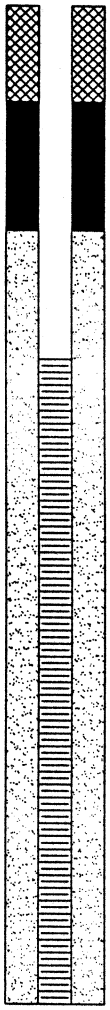
PROJECT: International Silver Co.	SHEET NO. 3 OF 3
CLIENT: U.S. EPA Region 1	JOB NO. 11098-003-001-5094
BORING CONTRACTOR: Earth Exploration, Inc. RIG: Mobile Drill B57	ELEVATION (ground) unknown
	DATE STARTED 8/24/98
	DATE FINISHED 8/24/98
	DRILLER T. Taylor
	INSPECTOR B. Bowen

GROUNDWATER

DATE	TIME	WATER ELEVATION	DATUM

	CAS.	SAMP.	CORE	TUBE
TYPE	CASE & WASH	SS		
DIA.	6"	2"		
WT.	300	140		
FALL		30"		

WELL CONSTRUCTION



Cement Grout

Bentonite

Filter Sand

6' steel protective casing, 6" ID, with locking cap

Screen: 10' of 2" PVC with 0.010" slots

Riser: 2" schedule 40 PVC

DEPTH (FEET)	SAMPLE NO.	REC. (in)	BLOWS PER 6 INCHES	CLASSIFICATION	OVA (ppm) (units above background)
48					
50		24	12, 14, 16, 18	Silty coarse-to-fine SAND, red-brown, wet. 51.0'	0.0
52					
54		24	9, 12, 15, 15	Silty coarse-to-fine SAND and medium-to-fine GRAVEL, red-brown, wet. 56.0'	0.0
56					
58					
60		24	14, 16, 20, 18	Same lithology as above. 61.0'	
62				Refusal, red-brown SANDSTONE. 63.0' (END OF BORING)	0.0
64					
66					
68					
70					

P:\BSA\97050026\FIGURES\MW-13B

WESTON MANAGERS DESIGNERS/CONSULTANTS

TEST BORING LOG
BORING NO. MW-14

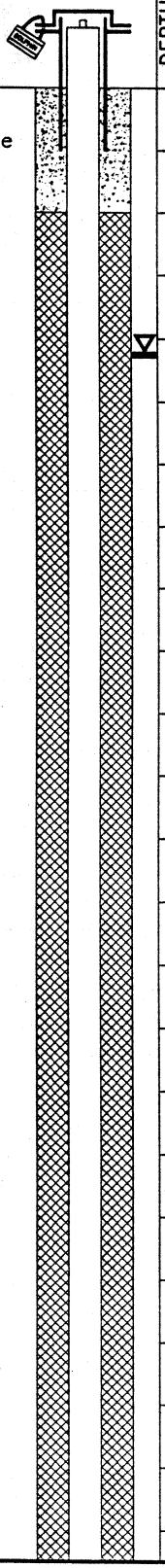
PROJECT: International Silver Co.	SHEET NO. 1 OF 2
CLIENT: U.S. EPA Region 1	JOB NO. 11098-003-001-5094
BORING CONTRACTOR: Earth Exploration, Inc. RIG: Mobile Drill B57	ELEVATION (ground) unknown
	DATE STARTED 8/24/98
	DATE FINISHED 8/24/98
	DRILLER T. Taylor
	INSPECTOR B. Bowen

GROUNDWATER

DATE	TIME	WATER ELEVATION	DATUM
8/24/98		4.0'	BGS

	CAS.	SAMP.	CORE	TUBE
TYPE	CASE & WASH	SS		
DIA.	6"	2"		
WT.	300	140		
FALL		30"		

WELL CONSTRUCTION



DEPTH (FEET)	SAMPLE NO.	REC. (in)	BLOWS PER 6 INCHES	CLASSIFICATION	OVA (ppm) (units above background)
0		18	21, 17, 15, 18	Fill: Medium-to-fine GRAVEL, coarse-to-fine SAND and SILT, red-brown to brown, moist. 2.0'	0.0
2, 4					
6		16	3, 4, 4, 7	GRAVEL, SAND and SILT, same as above. 7.0'	1.5
8					
10		16	9, 9, 11, 13	Silty coarse-to-fine SAND, red-brown, wet. 11.0'	0.0
12					
14		18	3, 6, 8, 10	Silty SAND and GRAVEL, medium-to-fine GRAVEL coarse-to-fine SAND, red-brown, wet 16.0'	0.0
16, 18					
20		12	10, 11, 17, 19	Same lithology as above. 21.0'	0.0
22					

P:\BSA\97050026\FIGURES\MW-14

TEST BORING LOG
BORING NO. MW-8

WESTON MANAGERS DESIGNERS/CONSULTANTS

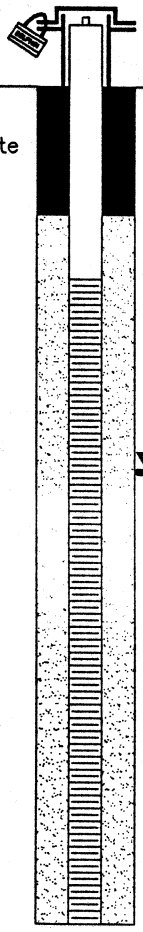
PROJECT: International Silver Co.	SHEET NO. 1 OF 1
CLIENT: U.S. EPA Region 1	JOB NO.11098-003-001-5094
BORING CONTRACTOR: Earth Exploration, Inc. RIG: Mobile Drill B57	ELEVATION (ground) unknown
	DATE STARTED 8/24/98
	DATE FINISHED 8/24/98
	DRILLER T. Taylor
	INSPECTOR B. Bowen

GROUNDWATER

DATE	TIME	WATER ELEVATION	DATUM
8/24/98		6.0'	BGS

	CAS.	SAMP.	CORE	TUBE
TYPE	HSA	SS		
DIA.	4.25"	2"		
WT.		140		
FALL		30"		

WELL CONSTRUCTION



DEPTH (FEET)	SAMPLE NO.	REC. (in)	BLOWS PER 6 INCHES	CLASSIFICATION	OVA (ppm) (units above background)
0		12	2, 13, 32, 33	Fill: SAND, SILT and fine GRAVEL, brown to tan, moist, rootlets. 2.0'	0.0
2, 4					
6		14	13, 14, 16, 14	5–5'9": Same lithology as above (fill). 5'9" 5'9"–6'2": Sandy SILT, moist brown. 6'2" 7.0'	0.0
8					
10		14	12, 16, 14, 18	GRAVEL, SAND and SILT, medium–fine GRAVEL, medium–fine SAND, wet, brown. 12.0'	0.0
12				13.0' (END OF BORING)	
14, 16					

6' steel protective casing, 6" ID, with locking cap

Screen:
10' of 2" PVC with 0.010" slots

Riser:
2" schedule 40 PVC

NOTE:

P:\BSA\97050026\FIGURES\MW-8

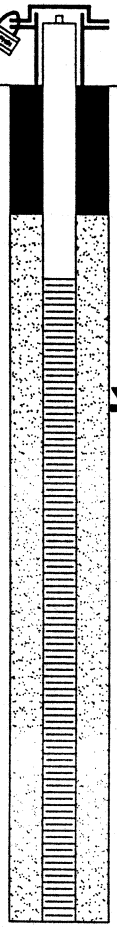
WESTON MANAGERS DESIGNERS/CONSULTANTS

TEST BORING LOG
BORING NO. MW-9

PROJECT: International Silver Co.	SHEET NO. 1 OF 1
CLIENT: U.S. EPA Region 1	JOB NO.11098-003-001-5094
BORING CONTRACTOR: Earth Exploration, Inc. RIG: Mobile Drill B57	ELEVATION (ground) unknow
	DATE STARTED 8/24/98
	DATE FINISHED 8/24/98
	DRILLER T. Taylor
	INSPECTOR B. Bowen

GROUNDWATER					CAS.	SAMP.	CORE	TUBE
DATE	TIME	WATER ELEVATION	DATUM	TYPE	HSA	SS		
8/24/98		5.0'	BGS	DIA.	4.25"	2"		
				WT.		140		
				FALL		30"		

WELL CONSTRUCTION



DEPTH (FEET)	SAMPLE NO.	REC. (in)	BLOWS PER 6 INCHES	CLASSIFICATION	OVA (ppm) (units above background)
0		24	12, 25, 32, 35	Fill: Medium-fine GRAVEL, SAND, and SILT, brown moist. 2.0'	0.0
2, 4					
6		20	1, 2, 1, 1	Wet silty SAND, brown, medium-fine SAND. 7.0'	0.0
8					
10		22	4, 4, 6, 10	Same lithology as above. 12.0'	0.0
12				13.0' (END OF BORING)	
14, 16					

6' steel protective casing, 6" ID, with locking cap

Screen:
10' of 2" PVC with 0.010" slots

Riser:
2" schedule 40 PVC

NOTE:

P:\BSA\97050026\FIGURES\MW-9

WESTON
MANAGERS DESIGNERS/CONSULTANTS

TEST BORING LOG
BORING NO. MW-10

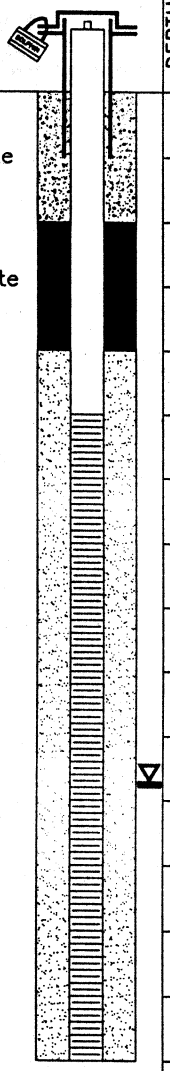
PROJECT: International Silver Co.	SHEET NO. 1 OF 1
CLIENT: U.S. EPA Region 1	JOB NO. 11098-003-001-5094
BORING CONTRACTOR: Earth Exploration, Inc. RIG: Mobile Drill B57	ELEVATION (ground) unknown
	DATE STARTED 8/24/98
	DATE FINISHED 8/24/98
	DRILLER T. Taylor
	INSPECTOR B. Bowen

GROUNDWATER

DATE	TIME	WATER ELEVATION	DATUM
8/24/98		10'8"	BGS

	CAS.		SAMP.	CORE	TUBE
TYPE		HSA	SS		
DIA.	6"	4.25"	2"		
WT.	300		140		
FALL			30"		

WELL CONSTRUCTION



DEPTH (FEET)	SAMPLE NO.	REC. (in)	BLOWS PER 6 INCHES	CLASSIFICATION	OVA (ppm) (units above background)
0		20	14, 21, 32, 27	Silty, medium to fine SAND, brown to red brown. 2.0'	0.0
2, 4					
6			8, 7, 4, 4	5'-5'4": Same lithology as above. 5'4"-5'7": Coal slag and cinders. 5'7"-6'6": Silty, medium to fine SAND, moist. 7.0'	0.0
8					
10			5, 4, 6, 9	10'-10'3": CLAY to moist, silty medium to fine SAND, brown. 10'3"-12": Silty medium to fine SAND, brown, wet. From 10'3" to 10'6", silver to black hydrocarbon stain noted. 12.0'	3.2
12, 14				15.0' (END OF BORING)	
16					

6' steel protective casing, 6" ID, with locking cap

Screen:
10' of 2" PVC with 0.010" slots

Riser:
2" schedule 40 PVC

NOTE:

P:\BSA\97050026\FIGURES\MW-10

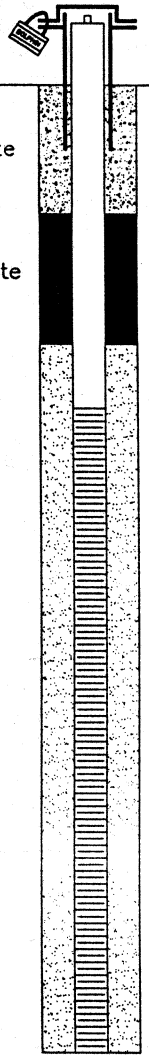
WESTON
MANAGERS DESIGNERS/CONSULTANTS

TEST BORING LOG
BORING NO. MW-11

PROJECT: International Silver Co.	SHEET NO. 1 OF 1
CLIENT: U.S. EPA Region 1	JOB NO. 11098-003-001-5094
BORING CONTRACTOR: Earth Exploration, Inc. RIG: Mobile Drill B57	ELEVATION (ground) unknown
	DATE STARTED 8/24/98
	DATE FINISHED 8/24/98
	DRILLER T. Taylor
	INSPECTOR B. Bowen

GROUNDWATER					CAS.	SAMP.	CORE	TUBE
DATE	TIME	WATER ELEVATION	DATUM	TYPE	HSA	SS		
8/24/98		6'6"	BGS	DIA.	4.25"	2"		
				WT.		140		
				FALL		30"		

WELL CONSTRUCTION



DEPTH (FEET)	SAMPLE NO.	REC. (in)	BLOWS PER 6 INCHES	CLASSIFICATION	OVA (ppm) (units above background)
0		16	42, 14, 9, 8	0–9": Silty SAND, brown, moist, medium to fine SAND. 9"–1'4": Dark brown to brown, SAND with trace SILT, moist. 2.0'	1.5
2, 4					
6		22	8, 7, 4, 4	5'–6'4": Sandy SILT, fine SAND, gray and brown mottled, moist to very moist. 6'4"–6'10": Silty fine SAND, gray to brown mottled, wet. 7.0'	0.0
8					
10		16	2, 6, 9, 7	Silty fine SAND, brown, wet. 12.0'	0.0
12, 14				15.0' (END OF BORING)	
16					

6' steel protective casing, 6" ID, with locking cap

Screen:
10' of 2" PVC with 0.010" slots

Riser:
2" schedule 40 PVC

NOTE:

P:\BSA\97050026\FIGURES\MW-11

WESTON MANAGERS DESIGNERS/CONSULTANTS

TEST BORING LOG
BORING NO. MW-14

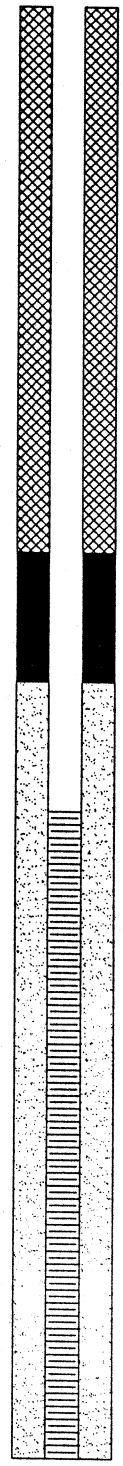
PROJECT: International Silver Co.	SHEET NO. 2 OF 2
CLIENT: U.S. EPA Region 1	JOB NO. 11098-003-001-5094
BORING CONTRACTOR: Earth Exploration, Inc. RIG: Mobile Drill B57	ELEVATION (ground) unknown
	DATE STARTED 8/24/98
	DATE FINISHED 8/24/98
	DRILLER T. Taylor
	INSPECTOR B. Bowen

GROUNDWATER

DATE	TIME	WATER ELEVATION	DATUM

TYPE	CAS. (CASE & WASH)	SAMP. (SS)	CORE	TUBE
DIA.	6"	2"		
WT.	300	140		
FALL		30"		

WELL CONSTRUCTION



DEPTH (FEET)	SAMPLE NO.	REC. (in)	BLOWS PER 6 INCHES	CLASSIFICATION	OVA (ppm) (units above background)
24			16, 16, 16, 16	Same lithology as above. 26.0'	0.0
26, 28					
30		18	1, 8, 11, 12	Medium-to-fine GRAVEL, coarse-to-fine SAND, coarse-to-fine SAND, and SILT, red-brown, wet. 31.0'	0.0
32, 34					
		4	8, 12, 10, 15	Same lithology as above. 36.0'	0.0
36, 38					
40			1, 9, 12, 17	Fine GRAVEL, coarse-to-fine SAND and SILT, red-brown, wet. 41.0'	0.0
42, 44, 46				Refusal, red brown SANDSTONE.	
				46.0' (END OF BORING)	

P:\BSA\97050026\FIGURES\MW-14A

F

APPENDIX F

SURFACE WATER, SOIL, SEDIMENT A
WIPE SAMPLE ANALYTICAL RESULT
INTERNATIONAL SILVER CO., FACTOR
START

Soil Samples Collected 8 August to 1 September

WESTON
MANAGERS DESIGNERS/CONSULTANTS

MEMORANDUM

To: International Silver Co. Brownfields Site Assessment File

From: MG for Mark Warren, Roy F. Weston, Inc. (WESTON®)
Superfund Technical Assessment and Response Team (START)

Subject: Review of Analytical Results
DAS Case No. 0172F; SDG No. DAFY22
TDD No. 98-05-0098; PCS No. 5094-70
Former TDD No. 99-05-0230, PCS No. 7107
DC No. A-3778

Date: 6 July 1999

From 8 August 1998 through 1 September 1998, seven aqueous (including four field blanks), 16 soil/sediment, and three wipe samples were collected at the International Silver Co., site, located in Meriden, Connecticut, by START members James Chow, Brad Bowen, and Mike Jennings. The sampling was performed as part of a Brownfields Site Assessment. The samples were submitted to Accutest laboratory, located in Marlborough, Massachusetts, for the analysis of volatile organic compounds (VOCs), polychlorinated biphenyls (PCBs), total petroleum hydrocarbon (TPH), total cyanide, priority pollutant metals (PP13 metals), and synthetic precipitation leaching procedure (SPLP) metals. On 1 September 1998, the last sample was received by the laboratory. The data package was received by the START office on 15 September 1998. Included in Attachment I is a copy of the chain-of-custody (COC) record.

START reviewed the data in accordance with Section 11.2 of the *Brownfields Site Assessment Final Quality Assurance Project Plan*, dated 23 July 1997. The data review included:

*	•	Preservation and Technical Holding Times.
*	•	Initial and Continuing Calibration.
	•	Blanks.
	•	Surrogate Compounds.
	•	Matrix Spike (MS)/Matrix Spike Duplicates (MSD).
*	•	Laboratory Duplicates.
	•	Field Duplicates.
	•	Blank Spike and Laboratory Control Sample (LCS)

*	=	All criteria were met for this parameter.
NA	=	Not Applicable. No information was provided by the laboratory.

Included in Attachment II are the result summary sheets, annotated with the qualifiers detailed in this memorandum.

Blanks

The contaminants detected in the laboratory and field blanks are summarized in the following table:

Fraction	Compound	Source	Applies to:	Maximum Concentration	Action Level
VOCs	Chloroform	TB	AQ; S/S	21.8 µg/L	110 µg/L
	Methylene chloride	Laboratory	S/S	3.6 µg/kg	36 µg/kg

Blank Action:

- Sample value < CRQL; report CRQL followed by a U.
- Sample value > CRQL or IDL and < Action Level; report value followed by a U.
- Sample value > CRQL or IDL and > Action Level; report value unqualified.

CRQL = contract required quantitation limit.
TB = Trip blank.
AQ = Aqueous.
S/S = Soil Sediment.

Results will be qualified as indicated above.

Surrogate Compounds

The following surrogates did not meet the acceptable criteria indicating possible laboratory and/or matrix interferences:

Fraction	Sample	Surrogate	% Recovery	Acceptable Range	Action Pos/Non-detect
VOC	DAFY26	S3	66	74-121	J/UJ
	DAFY29	S3	57	74-121	J/UJ
	DAFY37 (9/1)*	S3	73	74-121	J/UJ

S3 = 4-Bromofluorobenzene.

Results for non-compliant samples will be qualified as indicated above.

*Sample Numbers DAFY37, DAFY38, and DAFY39 were used twice by START personnel. These samples are further identified by the date of collection.

Matrix Spike/Matrix Spike Duplicates

The following analytes did not meet recovery criteria for MS and Duplicate soil sample DAFY23 indicating possible laboratory error and/or matrix interferences:

Fraction	Analyte	% Recovery (RPD)	Acceptable Range	Action Pos/Non-detect
Metals	Antimony	45.8	75-125	J/UJ
	Arsenic	67.2	75-125	J/UJ
	Chromium	57.6	75-125	J/UJ
	Copper	74.7	75-125	J/UJ
	Lead	73.7	75-125	J/UJ
	Nickel	61.8	75-125	J/UJ
	Selenium	70.5	75-125	J/UJ
	Zinc	47.8	75-125	J/UJ

Results for the non-compliant analytes in all soil/sediment samples will be qualified as indicated above.

The following analyte did not meet recovery criteria for MS soil sample DAFY47 indicating possible laboratory error and/or matrix interferences:

Fraction	Analyte	% Recovery (RPD)	Acceptable Range	Action Pos/Non-detect
TPH	TPH	73.6	75-125	J/UJ

Results for the non-compliant analyte in all soil/sediment samples will be qualified as indicated above.

Field Duplicates

The following compounds were above the acceptable relative percent difference (RPD) of 50% (30% for aqueous PP13 metals and cyanide) in the soil field duplicate samples, indicating possible laboratory error or non-homogeneity of the samples. Included in Attachment II are the tables for all the field duplicate results.

Fraction	Analyte	Sample DAFY46	Sample DAFY47	RPD	Action Pos/Non-detect
Metals	Lead	211 mg/kg	367 mg/kg	54	J/UJ
SPLP Metals	Copper	0.058 mg/L	0.11 mg/L	62	J/UJ

Results for the non-compliant analytes in all leachate and soil samples will be qualified as indicated above.

Blank Spike

The following analyte did not meet the acceptable recovery criteria in the aqueous blank spike indicating laboratory accuracy problems:

Fraction	Analyte	% Recovery	Acceptable Range	Action Pos/Non-detect
TPH	TPH	78	80-120	J/UJ

Results for the non-compliant analyte in all aqueous samples will be qualified as indicated above. The following compounds did not meet the acceptable recovery criteria in the soil/sediment blank spike indicating laboratory accuracy problems:

Fraction	Analyte	% Recovery	Acceptable Range	Action Pos/Non-detect
TPH	TPH	73.6	75-125	J/UJ

Results for the non-compliant analyte in all soil/sediment samples will be qualified as indicated above.

ATTACHMENT I

Chain-of-Custody Records

EN' ONMENTAL PROTECTION AGENCY

REGION 1

1 of 2

CHAIN OF CUSTODY RECORD

M5449

PROJ. NO. DAS CAE No. 0172F

PROJECT NAME: International Silver

SAMPLERS: (Signature) Jane Chow, Bud Brown

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	VOCs - 8260	TPH - 418.1	PCBs - 8082	PP13 Metals (total)	SPLP extraction & PP13 metals	Cyanide (total)	REMARKS
~~MW-11 (SSC)~~													
DAFY22	8/24/98	1100		X	TB-01	2	✓						preserved w/ HCL, aqueous M5449-1
DAFY23	8/25/98	1250		X	MW-11-7	4	✓	✓	✓	✓	✓	✓	soil -2
DAFY24	8/25/98	1240		X	MW-11-2	4	✓	✓	✓	✓	✓	✓	soil -3
DAFY25	8/25/98	1015		X	MW-10-12	4	✓	✓	✓	✓	✓	✓	soil -4
DAFY26	8/25/98	0810		X	MW-9-2	4	✓	✓	✓	✓	✓	✓	soil -5
DAFY27	8/25/98	0820		X	MW-9-7	4	✓	✓	✓	✓	✓	✓	soil -6
DAFY28	8/25/98	0950		X	MW-10-2.5	4	✓	✓	✓	✓	✓	✓	soil -7
DAFY29	8/24/98	1344		X	MW-8-2	5 ~~4~~ (5)	✓	✓	✓	✓	✓	✓	soil -8
DAFY30	8/24/98	1413		X	MW-8-7	4	✓	✓	✓	✓	✓	✓	soil -9
DAFY31	8/24/98	1730		X	SD-02	6	✓		✓	✓		✓	sediment -10
DAFY32	8/24/98	1720		X	SD-01	6	✓		✓	✓		✓	sediment -11
DAFY33	8/24/98	1745		X	SD-03	6	✓		✓	✓		✓	sediment -12
DAFY34	8/24/98	1720		X	SW-01	4	✓			✓		✓	aqueous, preserved w/ HCl, HNO_3, NaOH
DAFY35	8/24/98	1730		X	SW-02	4	✓			✓		✓	aqueous, preserved w/ HCl, HNO_3, NaOH

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[illegible]	8/25/98				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	
		[illegible]	8-25-98 2:45 pm	See bid proposal for reporting requirements. Use Station No. for sample ID. Rec'd @ 3.0°C (Ice) [illegible] 8/25/98	

0902033

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

Loc 1A, 5E, 2B7.

ENVIRONMENTAL PROTECTION AGENCY

REGION 1

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME
Das Case No 0172 F	International Silver

SAMPLERS: (Signature) James S. [illegible] Brad Bowen

M5449

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	VOCs 8260	TPH 418.1	PCBs 8082	PP13 Metals (total)	SPLP extraction + PP13 metals +	Cyanide (total)	REMARKS
DAFY, 36	8/24/98	1745		X	SW-03	4	✓			✓		✓	Aqueous, preserved w/ HCl, HNO3, NaOH M5449-15

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
James S. [illegible]	8/25/98		ESC		
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	
		M Abdo [illegible]	8-25-98 2:45 pm	See bid for reporting requirements	

Loc 1A SE 2B7, 5E, 1F2

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

000234

ENVIRONMENTAL PROTECTION AGENCY

REGION 1

CHAIN OF CUSTODY RECORD

1 of 1

PROJ. NO. DAS USE No. 0172F

PROJECT NAME: International Silver

SAMPLERS (Signature)

M5466

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	VOCs - 8260	TPH - 418.1	PCBs - 8082	PP13 Metals + CN (total)	SPLP/PP13 + CN		REMARKS
DAFY37	8/25/98	1400		X	TB-02	2	✓						aqueous, preserved w/ HCl M5466-1
DAFY38	8/25/98	1550		X	MW-12-2	4	✓	✓	✓	✓	✓		soil -2
DAFY39	8/25/98	1700		X	MW-12-11	4	✓	✓	✓	✓	✓		soil -3
DAFY40	8/27/98	0930		X	WIPE-1	3			✓	✓			wipe sample -4
DAFY41	8/27/98	0945		X	Wipe-2	3			✓	✓			wipe sample -5
DAFY42	8/27/98	1000		X	Wipe-3	3			✓	✓			wipe sample -6
DAFY43	8/27/98	1100		X	RB-01	7	✓	✓	✓	✓			aqueous, preserved w/ HCl, HNO3, NaOH -7
DAFY46	8/27/98	1250		X	MW-13-2	4	✓	✓	✓	✓	✓		soil -8
DAFY47	8/27/98	1255		X	MW-31-2	4	✓	✓	✓	✓	✓		soil -9
DAFY48	8/27/98			X	MW-13-7	4	✓	✓	✓	✓	✓		soil -10

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
	8/27/98 1625				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	
			8/27/98 16:25	See bid for reporting requirements. Use station No. for sample ID.	

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

Loc 1C, 5A, 2C3, 4C 1-8057

F''IRONMENTAL PROTECTION AGENCY

REGION 1

CHAIN OF CUSTODY RECORD

PROJ. NO. Das Case No 0172F

PROJECT NAME: International Silver

SAMPLERS: (Signature) [signature]

M5498

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	VOCs - 8260	TPH - 418.1	PCBs - 8082	PP13 Metals (total)	SPLP extraction + PP13 metals + CN	Cyanide (total)	REMARKS	
DAFY37	9/1/98	0930		X	MW-14-2	4	✓	✓	✓	✓	✓	✓	Soil	M5498-1,1A
DAFY38	9/1/98	0950		X	MW-14-7	4	✓	✓	✓	✓	✓	✓	Soil	-2,2A
DAFY39	9/1/98	1000		X	TB-03	2	✓						Aq.	-3

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature]	9/1/98 1340	[signature]			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	
					Loc: 1D, 2D5

0000028

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

ATTACHMENT II

Annotated Result Summary Sheets

DATA SUMMARY KEY
ORGANIC AND INORGANIC DATA VALIDATION QUALIFIERS

J	=	The associated numerical value is an estimated quantity.
R	=	The data are unusable (compound may or may not be present). Resampling and reanalysis are necessary for verification. The R replaces the numerical value or sample quantitation limit (or the instrument detection limit).
U	=	The compound was analyzed for, but not detected. The associated numerical value is the sample quantitation limit (or instrument detection limit) or the adjusted sample quantitation limit (or adjusted instrument detection limit) .
UJ	=	The compound was analyzed for, but not detected. The associated numerical value is the estimated sample quantitation limit (or the estimated instrument detection limit) .

ACCUTEST

Report of Analysis

Client Sample ID:	TB-01		
Lab Sample ID:	M5449-1	**Date Sampled:**	08/24/98
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/25/98
Method:	SW846 8260	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A8515.D	1	09/04/98	LHY	n/a	n/a	MSA288
Run #2							

VOA Connecticut Appendix C

CAS No.	Compound	Result	RDL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
107-13-1	Acrylonitrile	ND	25	ug/l	
71-43-2	Benzene	ND	2.0	ug/l	
75-25-2	Bromoform	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
67-66-3	Chloroform	16.5	2.0	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	ug/l	
108-88-3	Toluene	ND	2.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/l	
79-01-6	Trichloroethene	ND	2.0	ug/l	
75-01-4	Vinyl chloride	ND	2.0	ug/l	
1330-20-7	Xylene (total)	ND	2.0	ug/l	

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	TB-01		
Lab Sample ID:	M5449-1	**Date Sampled:**	08/24/98
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/25/98
Method:	SW846 8260	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A8515.D	1	09/04/98	LHY	n/a	n/a	MSA288
Run #2							

VOA Connecticut Appendix C

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		86-118%
2037-26-5	Toluene-D8	99%		88-110%
460-00-4	4-Bromofluorobenzene	93%		80-120%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	TB-02		
Lab Sample ID:	M5466-1	**Date Sampled:**	08/25/98
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/27/98
Method:	SW846 8260	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A8534.D	1	09/05/98	LHY	n/a	n/a	MSA288
Run #2							

VOA Connecticut Appendix C

CAS No.	Compound	Result	RDL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
107-13-1	Acrylonitrile	ND	25	ug/l	
71-43-2	Benzene	ND	2.0	ug/l	
75-25-2	Bromoform	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
67-66-3	Chloroform	21.8	2.0	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	ug/l	
108-88-3	Toluene	ND	2.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/l	
79-01-6	Trichloroethene	ND	2.0	ug/l	
75-01-4	Vinyl chloride	ND	2.0	ug/l	
1330-20-7	Xylene (total)	ND	2.0	ug/l	

000004

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	TB-02		
Lab Sample ID:	M5466-1	**Date Sampled:**	08/25/98
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/27/98
Method:	SW846 8260	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A8534.D	1	09/05/98	LHY	n/a	n/a	MSA288
Run #2							

VOA Connecticut Appendix C

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		86-118%
2037-26-5	Toluene-D8	100%		88-110%
460-00-4	4-Bromofluorobenzene	95%		80-120%

000005

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	TB-03 (DAFY39 9/1)		
Lab Sample ID:	M5498-3	**Date Sampled:**	09/01/98
Matrix:	AQ - Trip Blank Water	**Date Received:**	09/01/98
Method:	SW846 8260	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A8567.D	1	09/08/98	LHY	n/a	n/a	MSA291
Run #2							

VOA Connecticut Appendix C

CAS No.	Compound	Result	RDL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
107-13-1	Acrylonitrile	ND	25	ug/l	
71-43-2	Benzene	ND	2.0	ug/l	
75-25-2	Bromoform	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
67-66-3	Chloroform	ND	2.0	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	ug/l	
108-88-3	Toluene	ND	2.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/l	
79-01-6	Trichloroethene	ND	2.0	ug/l	
75-01-4	Vinyl chloride	ND	2.0	ug/l	
1330-20-7	Xylene (total)	ND	2.0	ug/l	

000017

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	TB-03		
Lab Sample ID:	M5498-3	**Date Sampled:**	09/01/98
Matrix:	AQ - Trip Blank Water	**Date Received:**	09/01/98
Method:	SW846 8260	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A8567.D	1	09/08/98	LHY	n/a	n/a	MSA291
Run #2							

VOA Connecticut Appendix C

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		86-118%
2037-26-5	Toluene-D8	100%		88-110%
460-00-4	4-Bromofluorobenzene	91%		80-120%

000018

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	RB-01 (DAFY43)		
Lab Sample ID:	M5466-7	**Date Sampled:**	08/27/98
Matrix:	AQ - Ground Water	**Date Received:**	08/27/98
Method:	SW846 8082	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GCC8490.D	1	09/10/98	CZ	09/03/98	OP771	GCC459
Run #2	GCC8617.D	1	09/14/98	CZ	09/03/98	OP771	GCC465

PCB List

CAS No.	Compound	Result	RDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.47	ug/l	
12674-11-2	Aroclor 1016	ND [a]	0.47	ug/l	
11104-28-2	Aroclor 1221	ND	0.47	ug/l	
11104-28-2	Aroclor 1221	ND [a]	0.47	ug/l	
11141-16-5	Aroclor 1232	ND	0.47	ug/l	
11141-16-5	Aroclor 1232	ND [a]	0.47	ug/l	
53469-21-9	Aroclor 1242	ND	0.47	ug/l	
53469-21-9	Aroclor 1242	ND [a]	0.47	ug/l	
12672-29-6	Aroclor 1248	ND	0.47	ug/l	
12672-29-6	Aroclor 1248	ND [a]	0.47	ug/l	
11097-69-1	Aroclor 1254	ND	0.47	ug/l	
11097-69-1	Aroclor 1254	ND [a]	0.47	ug/l	
11096-82-5	Aroclor 1260	ND	0.47	ug/l	
11096-82-5	Aroclor 1260	ND [a]	0.47	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2051-24-3	Decachlorobiphenyl	58%	53%	30-150%

(a) Result is from Run# 2

000029

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	RB-01		
Lab Sample ID:	M5466-7	**Date Sampled:**	08/27/98
Matrix:	AQ - Ground Water	**Date Received:**	08/27/98
		Percent Solids:	n/a
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By	Method
Cyanide, Total	<0.020	0.020	mg/l	1	09/03/98 SG	SM18 4500CNE
Petroleum Hydrocarbons	<0.50 J	0.50	mg/l	1	09/03/98 SG	EPA 418.1

WEL 3/31/99

000030

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	RB-01		
Lab Sample ID:	M5466-7	**Date Sampled:**	08/27/98
Matrix:	AQ - Ground Water	**Date Received:**	08/27/98
		Percent Solids:	n/a
Project:	International Silver		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed	By	Method
Antimony	<5.0	5.0	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7
Arsenic	<5.0	5.0	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7
Beryllium	<4.0	4.0	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7
Cadmium	<4.0	4.0	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7
Chromium	<20	20	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7
Copper	<25	25	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7
Lead	<10	10	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7
Mercury	<0.50	0.50	ug/l	1	09/04/98	09/04/98	KJ	EPA 245.1
Nickel	<40	40	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7
Selenium	<10	10	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7
Silver	<7.0	7.0	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7
Thallium	<10	10	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7
Zinc	<40	40	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7

000031

RDL = Reported Detection Limit

ACCUTEST

Report of Analysis

Client Sample ID:	RB-01 (DAFY 43)		
Lab Sample ID:	M5466-7	**Date Sampled:**	08/27/98
Matrix:	AQ - Ground Water	**Date Received:**	08/27/98
Method:	SW846 8260	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A8535.D	1	09/05/98	LHY	n/a	n/a	MSA288
Run #2							

VOA Connecticut Appendix C

CAS No.	Compound	Result	RDL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
107-13-1	Acrylonitrile	ND	25	ug/l	
71-43-2	Benzene	ND	2.0	ug/l	
75-25-2	Bromoform	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
67-66-3	Chloroform	12.9	2.0	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	ug/l	
108-88-3	Toluene	ND	2.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/l	
79-01-6	Trichloroethene	ND	2.0	ug/l	
75-01-4	Vinyl chloride	ND	2.0	ug/l	
1330-20-7	Xylene (total)	ND	2.0	ug/l	

000032

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	RB-01		
Lab Sample ID:	M5466-7	**Date Sampled:**	08/27/98
Matrix:	AQ - Ground Water	**Date Received:**	08/27/98
Method:	SW846 8260	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A8535.D	1	09/05/98	LHY	n/a	n/a	MSA288
Run #2							

VOA Connecticut Appendix C

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		86-118%
2037-26-5	Toluene-D8	100%		88-110%
460-00-4	4-Bromofluorobenzene	94%		80-120%

000033

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-12-11 (DAFY39 3/25)		
Lab Sample ID:	M5466-3	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/27/98
Method:	SW846 8082	**Percent Solids:**	77.0
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GCC8446.D	1	09/07/98	CZ	09/06/98	OP774	GCC454
Run #2	GCC8506R.D	1	09/11/98	CZ	09/06/98	OP774	GCC460

PCB List

CAS No.	Compound	Result	RDL	Units	Q
12674-11-2	Aroclor 1016	ND	40	ug/kg	
12674-11-2	Aroclor 1016	ND [a]	40	ug/kg	
11104-28-2	Aroclor 1221	ND	40	ug/kg	
11104-28-2	Aroclor 1221	ND [a]	40	ug/kg	
11141-16-5	Aroclor 1232	ND	40	ug/kg	
11141-16-5	Aroclor 1232	ND [a]	40	ug/kg	
53469-21-9	Aroclor 1242	ND	40	ug/kg	
53469-21-9	Aroclor 1242	ND [a]	40	ug/kg	
12672-29-6	Aroclor 1248	ND	40	ug/kg	
12672-29-6	Aroclor 1248	ND [a]	40	ug/kg	
11097-69-1	Aroclor 1254	ND	40	ug/kg	
11097-69-1	Aroclor 1254	ND [a]	40	ug/kg	
11096-82-5	Aroclor 1260	ND	40	ug/kg	
11096-82-5	Aroclor 1260	ND [a]	40	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2051-24-3	Decachlorobiphenyl	88%	106%	30-150%

(a) Result is from Run# 2

000013

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-12-11		
Lab Sample ID:	M5466-3	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/27/98
		Percent Solids:	77.0
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By		Method
Cyanide, Total	<1.3	1.3	mg/kg	1	09/02/98	SG	SW846 9014
Petroleum Hydrocarbons	<41 J	41	mg/kg	1	08/31/98	HBM	EPA 418.1 M
Solids, Percent	77 3/31/99		%	1	08/28/98	HBM	EPA 160.3 M

000014

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-12-11		
Lab Sample ID:	M5466-3A	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/27/98
		Percent Solids:	77.0
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By	Method
Cyanide, Total [a]	<0.020	0.020	mg/l	1	09/05/98 HBM	SW846 9010A

(a) Synthetic precipitation leaching procedure

000015

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-12-11		
Lab Sample ID:	M5466-3	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/27/98
		Percent Solids:	77.0
Project:	International Silver		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed	By	Method
		3/31/99						
Antimony	<1.2 J	1.2	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Arsenic	4.1 J	1.2	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Beryllium	0.49	0.49	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Cadmium [a]	<0.98	0.98	mg/kg	2	08/31/98	09/01/98	KJ	SW846 6010B
Chromium	15.9 J	2.4	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Copper	22.0 J	3.1	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Lead	9.1 J	1.2	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Mercury	<0.12	0.12	mg/kg	1	09/02/98	09/02/98	KJ	SW846 7471A
Nickel	16.0 J	4.9	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Selenium	<1.2 J	1.2	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Silver	<0.86	0.86	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Thallium	4.4	1.2	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Zinc	39.8 J	4.9	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B

(a) Elevated detection limit due to dilution required for matrix interference.

RDL = Reported Detection Limit

ACCUTEST

Report of Analysis

Client Sample ID: MW-12-11
Lab Sample ID: M5466-3A
Matrix: SO - Soil
Project: International Silver

Date Sampled: 08/25/98
Date Received: 08/27/98
Percent Solids: 77.0

Metals Analysis, TCLP Leachate

Analyte	Result	HW#	MCL	RDL	Units	DF	Prep	Analyzed	By	Method
Antimony [a]	<0.010			0.010	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Arsenic [a]	<0.010	D004	5.0	0.010	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Beryllium [a]	<0.0050			0.0050	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Cadmium [a]	<0.010	D006	1.0	0.010	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Chromium [a]	<0.020	D007	5.0	0.020	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Copper [a]	<0.025 J 3/1/99			0.025	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Lead [a]	<0.010	D008	5.0	0.010	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Mercury [b]	<0.00050	D009	0.20	0.00050	mg/l	1	09/03/98	09/03/98	KJ	SW846 7470A
Nickel [a]	<0.040			0.040	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Selenium [a]	<0.010	D010	1.0	0.010	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Silver [a]	<0.0070	D011	5.0	0.0070	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Thallium [a]	<0.010			0.010	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Zinc [a]	0.040			0.040	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B

(a) Synthetic Precipitation Leaching Procedure
(b) Synthetic precipitation leaching procedure.

RDL = Reported Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

ACCUTEST

Report of Analysis

Client Sample ID:	MW-12-11		
Lab Sample ID:	M5466-3	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/27/98
Method:	SW846 8260	**Percent Solids:**	77.0
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6448.D	1	09/05/98	LHY	n/a	n/a	MSD233
Run #2							

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CAS No.	Compound	Result	RDL	Units	Q
67-64-1	Acetone	ND	6.6	ug/kg	
107-13-1	Acrylonitrile	ND	33	ug/kg	
71-43-2	Benzene	ND	2.7	ug/kg	
75-25-2	Bromoform	ND	2.7	ug/kg	
78-93-3	2-Butanone (MEK)	ND	6.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.7	ug/kg	
108-90-7	Chlorobenzene	ND	2.7	ug/kg	
67-66-3	Chloroform	ND	2.7	ug/kg	
124-48-1	Dibromochloromethane	ND	2.7	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.7	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.7	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.7	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.7	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.7	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.7	ug/kg	
156-59-2	cis-1,2-Dichloroethene	74.4	2.7	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.7	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.7	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.7	ug/kg	
100-41-4	Ethylbenzene	ND	2.7	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.7	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	6.6	ug/kg	
75-09-2	Methylene chloride	ND	6.6	ug/kg	
100-42-5	Styrene	ND	6.6	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.6	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.7	ug/kg	
127-18-4	Tetrachloroethene	4.5	2.7	ug/kg	
108-88-3	Toluene	ND	2.7	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.7	ug/kg	
79-01-6	Trichloroethene	4.4	2.7	ug/kg	
75-01-4	Vinyl chloride	ND	2.7	ug/kg	
1330-20-7	Xylene (total)	ND	2.7	ug/kg	

000018

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-12-11		
Lab Sample ID:	M5466-3	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/27/98
Method:	SW846 8260	**Percent Solids:**	77.0
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6448.D	1	09/05/98	LHY	n/a	n/a	MSD233
Run #2							

VOA Connecticut Appendix C

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	118%		80-120%
2037-26-5	Toluene-D8	99%		81-117%
460-00-4	4-Bromofluorobenzene	107%		74-121%

000019

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-8-7		
Lab Sample ID:	M5449-9A	**Date Sampled:**	08/24/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
		Percent Solids:	81.6
Project:	International Silver		

Metals Analysis, TCLP Leachate

Analyte	Result	HW#	MCL	RDL	Units	DF	Prep	Analyzed	By	Method
Antimony [a]	<0.010			0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Arsenic [a]	<0.010	D004	5.0	0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Beryllium [a]	<0.0050			0.0050	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Cadmium [a]	<0.010	D006	1.0	0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Chromium [a]	<0.020	D007	5.0	0.020	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Copper [a]	<0.025 J	MFD	3/31/99	0.025	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Lead [a]	<0.010	D008	5.0	0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Mercury [b]	<0.00050	D009	0.20	0.00050	mg/l	1	09/03/98	09/03/98	KJ	SW846 7470A
Nickel [a]	<0.040			0.040	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Selenium [a]	<0.010	D010	1.0	0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Silver [a]	<0.0070	D011	5.0	0.0070	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Thallium [a]	<0.010			0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Zinc [a]	<0.040			0.040	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B

(a) Synthetic Precipitation Leaching Procedure
(b) Synthetic precipitation leaching procedure.

RDL = Reported Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

ACCUTEST

Report of Analysis

Client Sample ID:	MW-8-7		
Lab Sample ID:	M5449-9	**Date Sampled:**	08/24/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
Method:	SW846 8260	**Percent Solids:**	81.6
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6390.D	1	09/03/98	LHY	n/a	n/a	MSD232
Run #2							

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CAS No.	Compound	Result	RDL	Units	Q
67-64-1	Acetone	ND	6.4	ug/kg	
107-13-1	Acrylonitrile	ND	32	ug/kg	
71-43-2	Benzene	ND	2.5	ug/kg	
75-25-2	Bromoform	ND	2.5	ug/kg	
78-93-3	2-Butanone (MEK)	ND	6.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.5	ug/kg	
108-90-7	Chlorobenzene	ND	2.5	ug/kg	
67-66-3	Chloroform	ND	2.5	ug/kg	
124-48-1	Dibromochloromethane	ND	2.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.5	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.5	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.5	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.5	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.5	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.5	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.5	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.5	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.5	ug/kg	
100-41-4	Ethylbenzene	ND	2.5	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.5	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	6.4	ug/kg	
75-09-2	Methylene chloride	ND	6.4	ug/kg	
100-42-5	Styrene	ND	6.4	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.5	ug/kg	
127-18-4	Tetrachloroethene	ND	2.5	ug/kg	
108-88-3	Toluene	ND	2.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.5	ug/kg	
79-01-6	Trichloroethene	ND	2.5	ug/kg	
75-01-4	Vinyl chloride	ND	2.5	ug/kg	
1330-20-7	Xylene (total)	ND	2.5	ug/kg	

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-8-7		
Lab Sample ID:	M5449-9A	**Date Sampled:**	08/24/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
		Percent Solids:	81.6
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By		Method
Cyanide, Total [a]	<0.020	0.020	mg/l	1	09/05/98	HBM	SW846 9010A

(a) Synthetic precipitation leaching procedure

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-8-7		
Lab Sample ID:	M5449-9	**Date Sampled:**	08/24/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
		Percent Solids:	81.6
Project:	International Silver		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed	By	Method
		NEW	3/31/99					
Antimony	<1.2 J	1.2	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Arsenic	2.0 J	1.2	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Beryllium	<0.47	0.47	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Cadmium	<0.47	0.47	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Chromium	13.9 J	2.4	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Copper	15.2 J	2.9	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Lead	49.9 J	1.2	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Mercury	<0.090	0.090	mg/kg	1	09/02/98	09/02/98	KJ	SW846 7471A
Nickel	9.0 J	4.7	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Selenium	<1.2 J	1.2	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Silver	<0.82	0.82	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Thallium	1.3	1.2	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Zinc	38.1 J	4.7	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-8-7 (DAF-30)		
Lab Sample ID:	M5449-9	**Date Sampled:**	08/24/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
Method:	SW846 8082	**Percent Solids:**	81.6
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GCC8434.D	1	09/07/98	CZ	09/06/98	OP774	GCC454
Run #2	GCC8483R.D	1	09/10/98	CZ	09/06/98	OP774	GCC457

PCB List

CAS No.	Compound	Result	RDL	Units	Q
12674-11-2	Aroclor 1016	ND	40	ug/kg	
12674-11-2	Aroclor 1016	ND [a]	40	ug/kg	
11104-28-2	Aroclor 1221	ND	40	ug/kg	
11104-28-2	Aroclor 1221	ND [a]	40	ug/kg	
11141-16-5	Aroclor 1232	ND	40	ug/kg	
11141-16-5	Aroclor 1232	ND [a]	40	ug/kg	
53469-21-9	Aroclor 1242	ND	40	ug/kg	
53469-21-9	Aroclor 1242	ND [a]	40	ug/kg	
12672-29-6	Aroclor 1248	ND	40	ug/kg	
12672-29-6	Aroclor 1248	ND [a]	40	ug/kg	
11097-69-1	Aroclor 1254	ND	40	ug/kg	
11097-69-1	Aroclor 1254	ND [a]	40	ug/kg	
11096-82-5	Aroclor 1260	ND	40	ug/kg	
11096-82-5	Aroclor 1260	ND [a]	40	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2051-24-3	Decachlorobiphenyl	33%	46%	30-150%

(a) Result is from Run# 2

000055

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-8-7		
Lab Sample ID:	M5449-9	**Date Sampled:**	08/24/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
		Percent Solids:	81.6
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By		Method
Cyanide, Total	<1.2	1.2	mg/kg	1	09/02/98	SG	SW846 9014
Petroleum Hydrocarbons	<40	40	mg/kg	1	08/31/98	HBM	EPA 418.1 M
Solids, Percent	81.6		%	1	08/28/98	HBM	EPA 160.3 M

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-8-7		
Lab Sample ID:	M5449-9	**Date Sampled:**	08/24/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
Method:	SW846 8260	**Percent Solids:**	81.6
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6390.D	1	09/03/98	LHY	n/a	n/a	MSD232
Run #2							

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CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		80-120%
2037-26-5	Toluene-D8	96%		81-117%
460-00-4	4-Bromofluorobenzene	99%		74-121%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-8-2 (DAF-Y29)		
Lab Sample ID:	M5449-8	**Date Sampled:**	08/24/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
Method:	SW846 8082	**Percent Solids:**	91.3
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GCC8432.D	1	09/07/98	CZ	09/06/98	OP774	GCC454
Run #2	GCC8482R.D	1	09/10/98	CZ	09/06/98	OP774	GCC457

PCB List

CAS No.	Compound	Result	RDL	Units	Q
12674-11-2	Aroclor 1016	ND	35	ug/kg	
12674-11-2	Aroclor 1016	ND [a]	35	ug/kg	
11104-28-2	Aroclor 1221	ND	35	ug/kg	
11104-28-2	Aroclor 1221	ND [a]	35	ug/kg	
11141-16-5	Aroclor 1232	ND	35	ug/kg	
11141-16-5	Aroclor 1232	ND [a]	35	ug/kg	
53469-21-9	Aroclor 1242	ND	35	ug/kg	
53469-21-9	Aroclor 1242	ND [a]	35	ug/kg	
12672-29-6	Aroclor 1248	ND	35	ug/kg	
12672-29-6	Aroclor 1248	ND [a]	35	ug/kg	
11097-69-1	Aroclor 1254	ND	35	ug/kg	
11097-69-1	Aroclor 1254	ND [a]	35	ug/kg	
11096-82-5	Aroclor 1260	ND	35	ug/kg	
11096-82-5	Aroclor 1260	ND [a]	35	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2051-24-3	Decachlorobiphenyl	77%	94%	30-150%

(a) Result is from Run# 2

000048

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-8-2		
Lab Sample ID:	M5449-8	**Date Sampled:**	08/24/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
		Percent Solids:	91.3
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By		Method
Cyanide, Total	<1.1	1.1	mg/kg	1	09/02/98	SG	SW846 9014
Petroleum Hydrocarbons	73.8 J	34	mg/kg	1	08/31/98	HBM	EPA 418.1 M
Solids, Percent	91.3		%	1	08/28/98	HBM	EPA 160.3 M

000049

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-8-2		
Lab Sample ID:	M5449-8A	**Date Sampled:**	08/24/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
		Percent Solids:	91.3
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By	Method
Cyanide, Total [a]	<0.020	0.020	mg/l	1	09/05/98 HBM	SW846 9010A

(a) Synthetic precipitation leaching procedure

000050

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-8-2		
Lab Sample ID:	M5449-8	**Date Sampled:**	08/24/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
		Percent Solids:	91.3
Project:	International Silver		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed	By	Method
		3/31/99						
Antimony	<1.0 J	1.0	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Arsenic	3.5 J	1.0	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Beryllium	0.43	0.41	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Cadmium	0.42	0.41	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Chromium	12.8 J	2.0	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Copper	172 J	2.6	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Lead	106 J	1.0	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Mercury	0.24	0.091	mg/kg	1	09/02/98	09/02/98	KJ	SW846 7471A
Nickel	32.0 J	4.1	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Selenium	<1.0 J	1.0	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Silver	2.8	0.72	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Thallium	3.2	1.0	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Zinc	150 J	4.1	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B

RDL = Reported Detection Limit

ACCUTEST

Report of Analysis

Client Sample ID:	MW-8-2		
Lab Sample ID:	M5449-8A	**Date Sampled:**	08/24/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
		Percent Solids:	91.3
Project:	International Silver		

Metals Analysis, TCLP Leachate

Analyte	Result	HW#	MCL	RDL	Units	DF	Prep	Analyzed	By	Method
Antimony [a]	0.015			0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Arsenic [a]	<0.010	D004	5.0	0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Beryllium [a]	<0.0050			0.0050	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Cadmium [a]	<0.010	D006	1.0	0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Chromium [a]	<0.020	D007	5.0	0.020	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Copper [a]	0.027 J		3/31/99	0.025	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Lead [a]	0.012	D008	5.0	0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Mercury [b]	<0.00050	D009	0.20	0.00050	mg/l	1	09/03/98	09/03/98	KJ	SW846 7470A
Nickel [a]	<0.040			0.040	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Selenium [a]	<0.010	D010	1.0	0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Silver [a]	<0.0070	D011	5.0	0.0070	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Thallium [a]	<0.010			0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Zinc [a]	<0.040			0.040	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B

(a) Synthetic Precipitation Leaching Procedure
(b) Synthetic precipitation leaching procedure.

RDL = Reported Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

ACCUTEST

Report of Analysis

Client Sample ID:	MW-8-2		
Lab Sample ID:	M5449-8	**Date Sampled:**	08/24/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
Method:	SW846 8260	**Percent Solids:**	91.3
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6389.D	1	09/03/98	LHY	n/a	n/a	MSD232
Run #2							

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99 6-28

CAS No.	Compound	Result	RDL	Units	Q
67-64-1	Acetone	ND J	5.4 J	ug/kg	
107-13-1	Acrylonitrile	ND	27	ug/kg	
71-43-2	Benzene	ND	2.2	ug/kg	
75-25-2	Bromoform	ND	2.2	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.2	ug/kg	
108-90-7	Chlorobenzene	ND	2.2	ug/kg	
67-66-3	Chloroform	ND	2.2	ug/kg	
124-48-1	Dibromochloromethane	ND	2.2	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.2	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.2	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.2	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.2	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.2	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.2	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.2	ug/kg	
100-41-4	Ethylbenzene	ND	2.2	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.2	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.4	ug/kg	
75-09-2	Methylene chloride	ND	5.4	ug/kg	
100-42-5	Styrene	ND	5.4	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.2	ug/kg	
127-18-4	Tetrachloroethene	ND	2.2	ug/kg	
108-88-3	Toluene	ND	2.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.2	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.2	ug/kg	
79-01-6	Trichloroethene	ND	2.2	ug/kg	
75-01-4	Vinyl chloride	ND	2.2	ug/kg	
1330-20-7	Xylene (total)	ND	2.2	ug/kg	

000053

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-8-2		
Lab Sample ID:	M5449-8	**Date Sampled:**	08/24/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
Method:	SW846 8260	**Percent Solids:**	91.3
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6389.D	1	09/03/98	LHY	n/a	n/a	MSD232
Run #2							

VOA Connecticut Appendix C

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	116%		80-120%
2037-26-5	Toluene-D8	92%		81-117%
460-00-4	4-Bromofluorobenzene	57% [a]		74-121%

(a) Outside control limits due to matrix interference. Confirmed by reanalysis.

000054

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-10-2.5 (DAF428)		
Lab Sample ID:	M5449-7	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
Method:	SW846 8082	**Percent Solids:**	90.4
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GCC8431.D	1	09/07/98	CZ	09/06/98	OP774	GCC454
Run #2	GCC8481R.D	1	09/10/98	CZ	09/06/98	OP774	GCC457

PCB List

CAS No.	Compound	Result	RDL	Units	Q
12674-11-2	Aroclor 1016	ND	36	ug/kg	
12674-11-2	Aroclor 1016	ND [a]	36	ug/kg	
11104-28-2	Aroclor 1221	ND	36	ug/kg	
11104-28-2	Aroclor 1221	ND [a]	36	ug/kg	
11141-16-5	Aroclor 1232	ND	36	ug/kg	
11141-16-5	Aroclor 1232	ND [a]	36	ug/kg	
53469-21-9	Aroclor 1242	ND	36	ug/kg	
53469-21-9	Aroclor 1242	ND [a]	36	ug/kg	
12672-29-6	Aroclor 1248	ND	36	ug/kg	
12672-29-6	Aroclor 1248	ND [a]	36	ug/kg	
11097-69-1	Aroclor 1254	ND	36	ug/kg	
11097-69-1	Aroclor 1254	ND [a]	36	ug/kg	
11096-82-5	Aroclor 1260	ND	36	ug/kg	
11096-82-5	Aroclor 1260	ND [a]	36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2051-24-3	Decachlorobiphenyl	76%	92%	30-150%

(a) Result is from Run# 2

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-10-2.5		
Lab Sample ID:	M5449-7	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
		Percent Solids:	90.4
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By		Method
Cyanide, Total	<1.1	1.1	mg/kg	1	09/02/98	SG	SW846 9014
Petroleum Hydrocarbons	159 J	37	mg/kg	1	08/31/98	HBM	EPA 418.1 M
Solids, Percent	90.4 3/21/99		%	1	08/28/98	HBM	EPA 160.3 M

000042

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-10-2.5		
Lab Sample ID:	M5449-7A	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
		Percent Solids:	90.4
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By		Method
Cyanide, Total [a]	<0.020	0.020	mg/l	1	09/05/98	HBM	SW846 9010A

(a) Synthetic precipitation leaching procedure

RDL = Reported Detection Limit

ACCUTEST

Report of Analysis

Client Sample ID:	MW-10-2.5		
Lab Sample ID:	M5449-7	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
		Percent Solids:	90.4
Project:	International Silver		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed By		Method
		MRL	3/31/97					
Antimony	<1.0 J	1.0	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Arsenic	4.2 J	1.0	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Beryllium	0.52	0.42	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Cadmium [a]	<0.84	0.84	mg/kg	2	08/31/98	09/01/98	KJ	SW846 6010B
Chromium	26.9 J	2.1	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Copper	108 J	2.6	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Lead	32.2 J	1.0	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Mercury	<0.097	0.097	mg/kg	1	09/02/98	09/02/98	KJ	SW846 7471A
Nickel	18.2 J	4.2	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Selenium	<1.0 J	1.0	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Silver	2.3	0.74	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Thallium	4.1	1.0	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Zinc	75.2 J	4.2	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B

(a) Elevated detection limit due to dilution required for matrix interference.

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-10-2.5		
Lab Sample ID:	M5449-7A	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
		Percent Solids:	90.4
Project:	International Silver		

Metals Analysis, TCLP Leachate

Analyte	Result	HW#	MCL	RDL	Units	DF	Prep	Analyzed	By	Method
Antimony [a]	<0.010			0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Arsenic [a]	<0.010	D004	5.0	0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Beryllium [a]	<0.0050			0.0050	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Cadmium [a]	<0.010	D006	1.0	0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Chromium [a]	<0.020	D007	5.0	0.020	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Copper [a]	0.034 J 3/31/99			0.025	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Lead [a]	0.011	D008	5.0	0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Mercury [b]	<0.00050	D009	0.20	0.00050	mg/l	1	09/03/98	09/03/98	KJ	SW846 7470A
Nickel [a]	<0.040			0.040	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Selenium [a]	<0.010	D010	1.0	0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Silver [a]	<0.0070	D011	5.0	0.0070	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Thallium [a]	<0.010			0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Zinc [a]	<0.040			0.040	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B

(a) Synthetic Precipitation Leaching Procedure
(b) Synthetic precipitation leaching procedure.

RDL = Reported Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-10-2.5		
Lab Sample ID:	M5449-7	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
Method:	SW846 8260	**Percent Solids:**	90.4
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6388.D	1	09/03/98	LHY	n/a	n/a	MSD232
Run #2							

VOA Connecticut Appendix C

CAS No.	Compound	Result	RDL	Units	Q
67-64-1	Acetone	ND	5.4	ug/kg	
107-13-1	Acrylonitrile	ND	27	ug/kg	
71-43-2	Benzene	ND	2.2	ug/kg	
75-25-2	Bromoform	ND	2.2	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.2	ug/kg	
108-90-7	Chlorobenzene	ND	2.2	ug/kg	
67-66-3	Chloroform	ND	2.2	ug/kg	
124-48-1	Dibromochloromethane	ND	2.2	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.2	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.2	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.2	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.2	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.2	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.2	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.2	ug/kg	
100-41-4	Ethylbenzene	ND	2.2	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.2	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.4	ug/kg	
75-09-2	Methylene chloride	ND	5.4	ug/kg	
100-42-5	Styrene	ND	5.4	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.2	ug/kg	
127-18-4	Tetrachloroethene	ND	2.2	ug/kg	
108-88-3	Toluene	ND	2.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.2	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.2	ug/kg	
79-01-6	Trichloroethene	ND	2.2	ug/kg	
75-01-4	Vinyl chloride	ND	2.2	ug/kg	
1330-20-7	Xylene (total)	ND	2.2	ug/kg	

000046

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-10-2.5		
Lab Sample ID:	M5449-7	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
Method:	SW846 8260	**Percent Solids:**	90.4
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6388.D	1	09/03/98	LHY	n/a	n/a	MSD232
Run #2							

VOA Connecticut Appendix C

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		80-120%
2037-26-5	Toluene-D8	98%		81-117%
460-00-4	4-Bromofluorobenzene	105%		74-121%

000047

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-9-7 (DAF427)		
Lab Sample ID:	M5449-6	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
Method:	SW846 8082	**Percent Solids:**	78.8
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GCC8430.D	1	09/07/98	CZ	09/06/98	OP774	GCC454
Run #2	GCC8480R.D	1	09/10/98	CZ	09/06/98	OP774	GCC457

PCB List

CAS No.	Compound	Result	RDL	Units	Q
12674-11-2	Aroclor 1016	ND	40	ug/kg	
12674-11-2	Aroclor 1016	ND [a]	40	ug/kg	
11104-28-2	Aroclor 1221	ND	40	ug/kg	
11104-28-2	Aroclor 1221	ND [a]	40	ug/kg	
11141-16-5	Aroclor 1232	ND	40	ug/kg	
11141-16-5	Aroclor 1232	ND [a]	40	ug/kg	
53469-21-9	Aroclor 1242	ND	40	ug/kg	
53469-21-9	Aroclor 1242	ND [a]	40	ug/kg	
12672-29-6	Aroclor 1248	ND	40	ug/kg	
12672-29-6	Aroclor 1248	ND [a]	40	ug/kg	
11097-69-1	Aroclor 1254	ND	40	ug/kg	
11097-69-1	Aroclor 1254	ND [a]	40	ug/kg	
11096-82-5	Aroclor 1260	ND	40	ug/kg	
11096-82-5	Aroclor 1260	ND [a]	40	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2051-24-3	Decachlorobiphenyl	63%	65%	30-150%

(a) Result is from Run# 2

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	MW-9-7		
Lab Sample ID:	M5449-6	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
		Percent Solids:	78.8
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By		Method
Cyanide, Total	<1.3	1.3	mg/kg	1	09/02/98	SG	SW846 9014
Petroleum Hydrocarbons	<41 J	41	mg/kg	1	08/31/98	HBM	EPA 418.1 M
Solids, Percent	78.8 3/31/99		%	1	08/28/98	HBM	EPA 160.3 M

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-9-7		
Lab Sample ID:	M5449-6A	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
		Percent Solids:	78.8
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By	Method
Cyanide, Total [a]	<0.020	0.020	mg/l	1	09/05/98 HBM	SW846 9010A

(a) Synthetic precipitation leaching procedure

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-9-7		
Lab Sample ID:	M5449-6	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
		Percent Solids:	78.8
Project:	International Silver		

Metals Analysis

Analyte	Result	RDL MPL 3/31/99	Units	DF	Prep	Analyzed	By	Method
Antimony	<1.2 J	1.2	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Arsenic	<1.2 J	1.2	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Beryllium	0.48	0.48	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Cadmium	<0.48	0.48	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Chromium	19.8 J	2.4	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Copper	12.6 J	3.0	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Lead	8.9 J	1.2	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Mercury	<0.11	0.11	mg/kg	1	09/02/98	09/02/98	KJ	SW846 7471A
Nickel	9.7 J	4.8	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Selenium	<1.2 J	1.2	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Silver	<0.85	0.85	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Thallium	1.4	1.2	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Zinc	44.1 J	4.8	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-9-7		
Lab Sample ID:	M5449-6A	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
		Percent Solids:	78.8
Project:	International Silver		

Metals Analysis, TCLP Leachate

Analyte	Result	HW#	MCL	RDL	Units	DF	Prep	Analyzed	By	Method
			MCL 3/31/99							
Antimony [a]	<0.010			0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Arsenic [a]	<0.010	D004	5.0	0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Beryllium [a]	<0.0050			0.0050	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Cadmium [a]	<0.010	D006	1.0	0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Chromium [a]	<0.020	D007	5.0	0.020	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Copper [a]	<0.025		3/31/99	0.025	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Lead [a]	<0.010	D008	5.0	0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Mercury [b]	<0.00050	D009	0.20	0.00050	mg/l	1	09/03/98	09/03/98	KJ	SW846 7470A
Nickel [a]	<0.040			0.040	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Selenium [a]	<0.010	D010	1.0	0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Silver [a]	<0.0070	D011	5.0	0.0070	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Thallium [a]	<0.010			0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Zinc [a]	<0.040			0.040	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B

(a) Synthetic Precipitation Leaching Procedure
(b) Synthetic precipitation leaching procedure.

RDL = Reported Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-9-7		
Lab Sample ID:	M5449-6	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
Method:	SW846 8260	**Percent Solids:**	78.8
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6387.D	1	09/03/98	LHY	n/a	n/a	MSD232
Run #2							

VOA Connecticut Appendix C

CAS No.	Compound	Result	RDL	Units	Q
67-64-1	Acetone	ND	6.4	ug/kg	
107-13-1	Acrylonitrile	ND	32	ug/kg	
71-43-2	Benzene	ND	2.6	ug/kg	
75-25-2	Bromoform	ND	2.6	ug/kg	
78-93-3	2-Butanone (MEK)	ND	6.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.6	ug/kg	
108-90-7	Chlorobenzene	ND	2.6	ug/kg	
67-66-3	Chloroform	ND	2.6	ug/kg	
124-48-1	Dibromochloromethane	ND	2.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.6	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.6	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.6	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.6	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.6	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.6	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.6	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.6	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.6	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.6	ug/kg	
100-41-4	Ethylbenzene	ND	2.6	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.6	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	6.4	ug/kg	
75-09-2	Methylene chloride	ND	6.4	ug/kg	
100-42-5	Styrene	ND	6.4	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.6	ug/kg	
127-18-4	Tetrachloroethene	ND	2.6	ug/kg	
108-88-3	Toluene	ND	2.6	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.6	ug/kg	
79-01-6	Trichloroethene	ND	2.6	ug/kg	
75-01-4	Vinyl chloride	ND	2.6	ug/kg	
1330-20-7	Xylene (total)	ND	2.6	ug/kg	

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-9-7		
Lab Sample ID:	M5449-6	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
Method:	SW846 8260	**Percent Solids:**	78.8
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6387.D	1	09/03/98	LHY	n/a	n/a	MSD232
Run #2							

VOA Connecticut Appendix C

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		80-120%
2037-26-5	Toluene-D8	102%		81-117%
460-00-4	4-Bromofluorobenzene	110%		74-121%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-9-2 (DAF=25)		
Lab Sample ID:	M5449-5	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
Method:	SW846 8082	**Percent Solids:**	83.9
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GCC8429.D	1	09/07/98	CZ	09/06/98	OP774	GCC454
Run #2	GCC8479R.D	1	09/10/98	CZ	09/06/98	OP774	GCC457

PCB List

CAS No.	Compound	Result	RDL	Units	Q
12674-11-2	Aroclor 1016	ND	38	ug/kg	
12674-11-2	Aroclor 1016	ND [a]	38	ug/kg	
11104-28-2	Aroclor 1221	ND	38	ug/kg	
11104-28-2	Aroclor 1221	ND [a]	38	ug/kg	
11141-16-5	Aroclor 1232	ND	38	ug/kg	
11141-16-5	Aroclor 1232	ND [a]	38	ug/kg	
53469-21-9	Aroclor 1242	ND	38	ug/kg	
53469-21-9	Aroclor 1242	ND [a]	38	ug/kg	
12672-29-6	Aroclor 1248	ND	38	ug/kg	
12672-29-6	Aroclor 1248	ND [a]	38	ug/kg	
11097-69-1	Aroclor 1254	ND	38	ug/kg	
11097-69-1	Aroclor 1254	ND [a]	38	ug/kg	
11096-82-5	Aroclor 1260	ND	38	ug/kg	
11096-82-5	Aroclor 1260	ND [a]	38	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2051-24-3	Decachlorobiphenyl	79%	90%	30-150%

(a) Result is from Run# 2

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-9-2		
Lab Sample ID:	M5449-5	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
		Percent Solids:	83.9
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By		Method
Cyanide, Total	<1.2	1.2	mg/kg	1	09/02/98	SG	SW846 9014
Petroleum Hydrocarbons	2340 J	410	mg/kg	10	08/31/98	HBM	EPA 418.1 M
Solids, Percent	83.9		%	1	08/28/98	HBM	EPA 160.3 M

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-9-2		
Lab Sample ID:	M5449-5A	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
		Percent Solids:	83.9
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By		Method
Cyanide, Total [a]	<0.020	0.020	mg/l	1	09/05/98	HBM	SW846 9010A

(a) Synthetic precipitation leaching procedure

000029

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-9-2		
Lab Sample ID:	M5449-5	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
		Percent Solids:	83.9
Project:	International Silver		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed	By	Method
		MDL 3/31/99						
Antimony	2.9 J	1.2	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Arsenic	4.0 J	1.2	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Beryllium	<0.47	0.47	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Cadmium	<0.47	0.47	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Chromium	11.3 J	2.3	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Copper	233 J	2.9	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Lead	121 J	1.2	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Mercury	0.51	0.12	mg/kg	1	09/02/98	09/02/98	KJ	SW846 7471A
Nickel	44.2 J	4.7	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Selenium	<1.2 J	1.2	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Silver	14.7	0.82	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Thallium	3.0	1.2	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Zinc	140 J	4.7	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B

RDL = Reported Detection Limit

ACCUTEST

Report of Analysis

Client Sample ID:	MW-9-2		
Lab Sample ID:	M5449-5A	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
		Percent Solids:	83.9
Project:	International Silver		

Metals Analysis, TCLP Leachate

Analyte	Result	HW#	MCL	RDL	Units	DF	Prep	Analyzed	By	Method
Antimony [a]	<0.010			0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Arsenic [a]	<0.010	D004	5.0	0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Beryllium [a]	<0.0050			0.0050	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Cadmium [a]	<0.010	D006	1.0	0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Chromium [a]	<0.020	D007	5.0	0.020	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Copper [a]	0.099 J MEL 3/31/99			0.025	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Lead [a]	<0.010	D008	5.0	0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Mercury [b]	<0.00050	D009	0.20	0.00050	mg/l	1	09/03/98	09/03/98	KJ	SW846 7470A
Nickel [a]	<0.040			0.040	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Selenium [a]	<0.010	D010	1.0	0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Silver [a]	<0.0070	D011	5.0	0.0070	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Thallium [a]	<0.010			0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Zinc [a]	<0.040			0.040	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B

(a) Synthetic Precipitation Leaching Procedure
(b) Synthetic precipitation leaching procedure.

RDL = Reported Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

ACCUTEST

Report of Analysis

Client Sample ID:	MW-9-2		
Lab Sample ID:	M5449-5	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
Method:	SW846 8260	**Percent Solids:**	83.9
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6386.D	1	09/03/98	LHY	n/a	n/a	MSD232
Run #2							

VOA Connecticut Appendix C

CAS No.	Compound	Result	RDL	Units	Q
67-64-1	Acetone	ND J	6.0	ug/kg	
107-13-1	Acrylonitrile	ND	30	ug/kg	
71-43-2	Benzene	ND	2.4	ug/kg	
75-25-2	Bromoform	ND	2.4	ug/kg	
78-93-3	2-Butanone (MEK)	ND	6.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.4	ug/kg	
108-90-7	Chlorobenzene	ND	2.4	ug/kg	
67-66-3	Chloroform	ND	2.4	ug/kg	
124-48-1	Dibromochloromethane	ND	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.4	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.4	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.4	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.4	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.4	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.4	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.4	ug/kg	
100-41-4	Ethylbenzene	ND	2.4	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.4	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	6.0	ug/kg	
75-09-2	Methylene chloride	~~33.6~~ ND	6.0	ug/kg	99 6-28-99
100-42-5	Styrene	ND J	6.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.4	ug/kg	
127-18-4	Tetrachloroethene	ND	2.4	ug/kg	
108-88-3	Toluene	ND	2.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.4	ug/kg	
79-01-6	Trichloroethene	ND	2.4	ug/kg	
75-01-4	Vinyl chloride	ND	2.4	ug/kg	
1330-20-7	Xylene (total)	ND	2.4	ug/kg	

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	MW-9-2		
Lab Sample ID:	M5449-5	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
Method:	SW846 8260	**Percent Solids:**	83.9
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6386.D	1	09/03/98	LHY	n/a	n/a	MSD232
Run #2							

VOA Connecticut Appendix C

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		80-120%
2037-26-5	Toluene-D8	93%		81-117%
460-00-4	4-Bromofluorobenzene	66% [a]		74-121%

(a) Outside control limits due to matrix interference. Confirmed by reanalysis.

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

000033

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Report of Analysis

Client Sample ID:	MW-12-2 (DARY38 8/25)		
Lab Sample ID:	M5466-2	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/27/98
Method:	SW846 8082	**Percent Solids:**	95.8
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GCC8459.D	1	09/09/98	CZ	09/06/98	OP774	GCC457
Run #2	GCC8497R.D	1	09/11/98	CZ	09/06/98	OP774	GCC458

PCB List

CAS No.	Compound	Result	RDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	ug/kg	
12674-11-2	Aroclor 1016	ND [a]	33	ug/kg	
11104-28-2	Aroclor 1221	ND	33	ug/kg	
11104-28-2	Aroclor 1221	ND [a]	33	ug/kg	
11141-16-5	Aroclor 1232	ND	33	ug/kg	
11141-16-5	Aroclor 1232	ND [a]	33	ug/kg	
53469-21-9	Aroclor 1242	ND	33	ug/kg	
53469-21-9	Aroclor 1242	ND [a]	33	ug/kg	
12672-29-6	Aroclor 1248	ND	33	ug/kg	
12672-29-6	Aroclor 1248	ND [a]	33	ug/kg	
11097-69-1	Aroclor 1254	57.5	33	ug/kg	
11097-69-1	Aroclor 1254 [b]	48.9 [a]	33	ug/kg	
11096-82-5	Aroclor 1260	ND	33	ug/kg	
11096-82-5	Aroclor 1260	ND [a]	33	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2051-24-3	Decachlorobiphenyl	89%	92%	30-150%

(a) Result is from Run# 2
(b) Confirmed by reanalysis.

000006

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	MW-12-2		
Lab Sample ID:	M5466-2	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/27/98
		Percent Solids:	95.8
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By	Method
Cyanide, Total	<1.0	1.0	mg/kg	1	09/02/98 SG	SW846 9014
Petroleum Hydrocarbons	4210 J	850	mg/kg	25	08/31/98 HBM	EPA 418.1 M
Solids, Percent	95.8 3/31/99		%	1	08/28/98 HBM	EPA 160.3 M

000007

RDL = Reported Detection Limit

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Report of Analysis

Client Sample ID:	MW-12-2		
Lab Sample ID:	M5466-2A	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/27/98
		Percent Solids:	95.8
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By		Method
Cyanide, Total [a]	<0.020	0.020	mg/l	1	09/05/98	HBM	SW846 9010A

(a) Synthetic precipitation leaching procedure

000008

RDL = Reported Detection Limit

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Report of Analysis

Client Sample ID:	MW-12-2		
Lab Sample ID:	M5466-2	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/27/98
		Percent Solids:	95.8
Project:	International Silver		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed	By	Method
		MRL	3/31/99					
Antimony	<1.0 J	1.0	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Arsenic	2.3 J	1.0	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Beryllium	<0.42	0.42	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Cadmium [a]	<0.84	0.84	mg/kg	2	08/31/98	09/01/98	KJ	SW846 6010B
Chromium	6.2 J	2.1	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Copper	133 J	2.6	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Lead	150 J	1.0	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Mercury	<0.096	0.096	mg/kg	1	09/02/98	09/02/98	KJ	SW846 7471A
Nickel	24.9 J	4.2	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Selenium	<1.0 J	1.0	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Silver	4.2	0.73	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Thallium	6.5	1.0	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Zinc	110 J	4.2	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B

(a) Elevated detection limit due to dilution required for matrix interference.

000009

RDL = Reported Detection Limit

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Report of Analysis

Client Sample ID:	MW-12-2		
Lab Sample ID:	M5466-2A	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/27/98
		Percent Solids:	95.8
Project:	International Silver		

Metals Analysis, TCLP Leachate

Analyte	Result	HW#	MCL	RDL	Units	DF	Prep	Analyzed	By	Method
Antimony [a]	<0.010			0.010	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Arsenic [a]	<0.010	D004	5.0	0.010	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Beryllium [a]	<0.0050			0.0050	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Cadmium [a]	<0.010	D006	1.0	0.010	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Chromium [a]	<0.020	D007	5.0	0.020	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Copper [a]	<0.025 J			0.025	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Lead [a]	<0.010	D008	5.0	0.010	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Mercury [b]	<0.00050	D009	0.20	0.00050	mg/l	1	09/03/98	09/03/98	KJ	SW846 7470A
Nickel [a]	<0.040			0.040	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Selenium [a]	<0.010	D010	1.0	0.010	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Silver [a]	<0.0070	D011	5.0	0.0070	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Thallium [a]	<0.010			0.010	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Zinc [a]	<0.040			0.040	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B

(a) Synthetic Precipitation Leaching Procedure
(b) Synthetic precipitation leaching procedure.

RDL = Reported Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

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Report of Analysis

Client Sample ID:	MW-12-2		
Lab Sample ID:	M5466-2	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/27/98
Method:	SW846 8260	**Percent Solids:**	95.8
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6431.D	1	09/04/98	LHY	n/a	n/a	MSD233
Run #2							

VOA Connecticut Appendix C

CAS No.	Compound	Result	RDL	Units	Q
67-64-1	Acetone	ND	5.2	ug/kg	
107-13-1	Acrylonitrile	ND	26	ug/kg	
71-43-2	Benzene	ND	2.1	ug/kg	
75-25-2	Bromoform	ND	2.1	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.1	ug/kg	
108-90-7	Chlorobenzene	ND	2.1	ug/kg	
67-66-3	Chloroform	ND	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	2.1	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.1	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.1	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.1	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.1	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.1	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.1	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.1	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.1	ug/kg	
100-41-4	Ethylbenzene	ND	2.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.1	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.2	ug/kg	
75-09-2	Methylene chloride	7.4 ND	5.2	ug/kg	B
100-42-5	Styrene	ND	5.2	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.1	ug/kg	
127-18-4	Tetrachloroethene	47.1	2.1	ug/kg	
108-88-3	Toluene	ND	2.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.1	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.1	ug/kg	
79-01-6	Trichloroethene	6.4	2.1	ug/kg	
75-01-4	Vinyl chloride	ND	2.1	ug/kg	
1330-20-7	Xylene (total)	ND	2.1	ug/kg	

3/31/99

000011

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-12-2		
Lab Sample ID:	M5466-2	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/27/98
Method:	SW846 8260	**Percent Solids:**	95.8
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6431.D	1	09/04/98	LHY	n/a	n/a	MSD233
Run #2							

VOA Connecticut Appendix C

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	112%		80-120%
2037-26-5	Toluene-D8	96%		81-117%
460-00-4	4-Bromofluorobenzene	89%		74-121%

000012

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-10-12 (DAF425)		
Lab Sample ID:	M5449-4	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
Method:	SW846 8082	**Percent Solids:**	81.6
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GCC8428.D	1	09/07/98	CZ	09/06/98	OP774	GCC454
Run #2	GCC8478R.D	1	09/10/98	CZ	09/06/98	OP774	GCC457

PCB List

CAS No.	Compound	Result	RDL	Units	Q
12674-11-2	Aroclor 1016	ND	39	ug/kg	
12674-11-2	Aroclor 1016	ND [a]	39	ug/kg	
11104-28-2	Aroclor 1221	ND	39	ug/kg	
11104-28-2	Aroclor 1221	ND [a]	39	ug/kg	
11141-16-5	Aroclor 1232	ND	39	ug/kg	
11141-16-5	Aroclor 1232	ND [a]	39	ug/kg	
53469-21-9	Aroclor 1242	ND	39	ug/kg	
53469-21-9	Aroclor 1242	ND [a]	39	ug/kg	
12672-29-6	Aroclor 1248	ND	39	ug/kg	
12672-29-6	Aroclor 1248	ND [a]	39	ug/kg	
11097-69-1	Aroclor 1254	ND	39	ug/kg	
11097-69-1	Aroclor 1254	ND [a]	39	ug/kg	
11096-82-5	Aroclor 1260	ND	39	ug/kg	
11096-82-5	Aroclor 1260	ND [a]	39	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2051-24-3	Decachlorobiphenyl	77%	96%	30-150%

(a) Result is from Run# 2

000020

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-10-12		
Lab Sample ID:	M5449-4	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
		Percent Solids:	81.6
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By		Method
Cyanide, Total	<1.1	1.1	mg/kg	1	09/02/98	SG	SW846 9014
Petroleum Hydrocarbons	442 J	42	mg/kg	1	08/31/98	HBM	EPA 418.1 M
Solids, Percent	81.6		%	1	08/28/98	HBM	EPA 160.3 M

000021

RDL = Reported Detection Limit

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Report of Analysis

Client Sample ID:	MW-10-12		
Lab Sample ID:	M5449-4A	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
		Percent Solids:	81.6
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By		Method
Cyanide, Total [a]	<0.020	0.020	mg/l	1	09/05/98	HBM	SW846 9010A

(a) Synthetic precipitation leaching procedure

000022

RDL = Reported Detection Limit

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Report of Analysis

Client Sample ID:	MW-10-12		
Lab Sample ID:	M5449-4	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
		Percent Solids:	81.6
Project:	International Silver		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed	By	Method
		MPJ 3/31/99						
Antimony	<1.1 J	1.1	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Arsenic	<1.1 J	1.1	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Beryllium	<0.43	0.43	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Cadmium	<0.43	0.43	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Chromium	7.2 J	2.1	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Copper	12.2 J	2.7	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Lead	5.3 J	1.1	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Mercury	<0.095	0.095	mg/kg	1	09/02/98	09/02/98	KJ	SW846 7471A
Nickel	6.0 J	4.3	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Selenium	<1.1 J	1.1	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Silver	<0.75	0.75	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Thallium	1.1	1.1	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Zinc	20.3 J	4.3	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B

RDL = Reported Detection Limit

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Report of Analysis

Client Sample ID:	MW-10-12		
Lab Sample ID:	M5449-4A	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
		Percent Solids:	81.6
Project:	International Silver		

Metals Analysis, TCLP Leachate

Analyte	Result	HW#	MCL	RDL	Units	DF	Prep	Analyzed	By	Method
Antimony [a]	<0.010			0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Arsenic [a]	<0.010	D004	5.0	0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Beryllium [a]	<0.0050			0.0050	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Cadmium [a]	<0.010	D006	1.0	0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Chromium [a]	<0.020	D007	5.0	0.020	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Copper [a]	<0.025 J			0.025	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Lead [a]	<0.010	D008	5.0	0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Mercury [b]	<0.00050	D009	0.20	0.00050	mg/l	1	09/03/98	09/03/98	KJ	SW846 7470A
Nickel [a]	<0.040			0.040	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Selenium [a]	<0.010	D010	1.0	0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Silver [a]	<0.0070	D011	5.0	0.0070	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Thallium [a]	<0.010			0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Zinc [a]	<0.040			0.040	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B

(a) Synthetic Precipitation Leaching Procedure
(b) Synthetic precipitation leaching procedure.

RDL = Reported Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

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Report of Analysis

Client Sample ID:	MW-10-12		
Lab Sample ID:	M5449-4	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
Method:	SW846 8260	**Percent Solids:**	81.6
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	D6435.D	5	09/04/98	LHY	n/a	n/a	MSD233
Run #2							

VOA Connecticut Appendix C

CAS No.	Compound	Result	RDL	Units	Q
67-64-1	Acetone	ND	27	ug/kg	
107-13-1	Acrylonitrile	ND	130	ug/kg	
71-43-2	Benzene	ND	11	ug/kg	
75-25-2	Bromoform	ND	11	ug/kg	
78-93-3	2-Butanone (MEK)	ND	27	ug/kg	
56-23-5	Carbon tetrachloride	ND	11	ug/kg	
108-90-7	Chlorobenzene	ND	11	ug/kg	
67-66-3	Chloroform	ND	11	ug/kg	
124-48-1	Dibromochloromethane	ND	11	ug/kg	
106-93-4	1,2-Dibromoethane	ND	11	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	11	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	11	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	11	ug/kg	
75-34-3	1,1-Dichloroethane	ND	11	ug/kg	
107-06-2	1,2-Dichloroethane	ND	11	ug/kg	
75-35-4	1,1-Dichloroethene	ND	11	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	11	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	11	ug/kg	
78-87-5	1,2-Dichloropropane	ND	11	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	11	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	11	ug/kg	
100-41-4	Ethylbenzene	ND	11	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	11	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	27	ug/kg	
75-09-2	Methylene chloride	ND	27	ug/kg	
100-42-5	Styrene	ND	27	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	27	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	11	ug/kg	
127-18-4	Tetrachloroethene	ND	11	ug/kg	
108-88-3	Toluene	ND	11	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	11	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	11	ug/kg	
79-01-6	Trichloroethene	ND	11	ug/kg	
75-01-4	Vinyl chloride	ND	11	ug/kg	
1330-20-7	Xylene (total)	ND	11	ug/kg	

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	MW-10-12		
Lab Sample ID:	M5449-4	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
Method:	SW846 8260	**Percent Solids:**	81.6
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	D6435.D	5	09/04/98	LHY	n/a	n/a	MSD233
Run #2							

VOA Connecticut Appendix C

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	113%		80-120%
2037-26-5	Toluene-D8	99%		81-117%
460-00-4	4-Bromofluorobenzene	116%		74-121%

(a) Dilution required due to matrix interference.

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	MW-11-2 (DAF424)		
Lab Sample ID:	M5449-3	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
Method:	SW846 8082	**Percent Solids:**	93.9
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GCC8427.D	1	09/07/98	CZ	09/06/98	OP774	GCC454
Run #2	GCC8477R.D	1	09/10/98	CZ	09/06/98	OP774	GCC457

PCB List

CAS No.	Compound	Result	RDL	Units	Q
12674-11-2	Aroclor 1016	ND	35	ug/kg	
12674-11-2	Aroclor 1016	ND [a]	35	ug/kg	
11104-28-2	Aroclor 1221	ND	35	ug/kg	
11104-28-2	Aroclor 1221	ND [a]	35	ug/kg	
11141-16-5	Aroclor 1232	ND	35	ug/kg	
11141-16-5	Aroclor 1232	ND [a]	35	ug/kg	
53469-21-9	Aroclor 1242	ND	35	ug/kg	
53469-21-9	Aroclor 1242	ND [a]	35	ug/kg	
12672-29-6	Aroclor 1248	ND	35	ug/kg	
12672-29-6	Aroclor 1248	ND [a]	35	ug/kg	
11097-69-1	Aroclor 1254	ND	35	ug/kg	
11097-69-1	Aroclor 1254	ND [a]	35	ug/kg	
11096-82-5	Aroclor 1260	ND	35	ug/kg	
11096-82-5	Aroclor 1260	ND [a]	35	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2051-24-3	Decachlorobiphenyl	73%	97%	30-150%

(a) Result is from Run# 2

000013

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	MW-11-2		
Lab Sample ID:	M5449-3	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
		Percent Solids:	93.9
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By		Method
Cyanide, Total	<1.0	1.0	mg/kg	1	09/02/98	SG	SW846 9014
Petroleum Hydrocarbons	78.7 J	37	mg/kg	1	08/31/98	HBM	EPA 418.1 M
Solids, Percent	93.9		%	1	08/28/98	HBM	EPA 160.3 M

RDL = Reported Detection Limit

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Report of Analysis

Client Sample ID:	MW-11-2		
Lab Sample ID:	M5449-3A	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
		Percent Solids:	93.9
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By		Method
Cyanide, Total [a]	<0.020	0.020	mg/l	1	09/05/98	HBM	SW846 9010A

(a) Synthetic precipitation leaching procedure

000015

RDL = Reported Detection Limit

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Report of Analysis

Client Sample ID:	MW-11-2		
Lab Sample ID:	M5449-3	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
		Percent Solids:	93.9
Project:	International Silver		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed	By	Method
		WFL 3/31/99						
Antimony	<1.0 J	1.0	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Arsenic	3.3 J	1.0	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Beryllium	<0.42	0.42	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Cadmium	<0.42	0.42	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Chromium	8.9 J	2.1	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Copper	266 J	2.6	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Lead	50.8 J	1.0	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Mercury	0.18	0.097	mg/kg	1	09/02/98	09/02/98	KJ	SW846 7471A
Nickel	26.1 J	4.2	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Selenium	2.0 J	1.0	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Silver	1.1	0.73	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Thallium	13.8	1.0	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Zinc	254 J	4.2	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B

RDL = Reported Detection Limit

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Report of Analysis

Client Sample ID:	MW-11-2		
Lab Sample ID:	M5449-3A	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
		Percent Solids:	93.9
Project:	International Silver		

Metals Analysis, TCLP Leachate

Analyte	Result	HW#	MCL	RDL	Units	DF	Prep	Analyzed	By	Method
Antimony [a]	<0.010			0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Arsenic [a]	<0.010	D004	5.0	0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Beryllium [a]	<0.0050			0.0050	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Cadmium [a]	<0.010	D006	1.0	0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Chromium [a]	<0.020	D007	5.0	0.020	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Copper [a]	<0.025 J		3/31/99	0.025	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Lead [a]	<0.010	D008	5.0	0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Mercury [b]	<0.00050	D009	0.20	0.00050	mg/l	1	09/03/98	09/03/98	KJ	SW846 7470A
Nickel [a]	<0.040			0.040	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Selenium [a]	<0.010	D010	1.0	0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Silver [a]	<0.0070	D011	5.0	0.0070	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Thallium [a]	<0.010			0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Zinc [a]	<0.040			0.040	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B

(a) Synthetic Precipitation Leaching Procedure
(b) Synthetic precipitation leaching procedure.

RDL = Reported Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

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Report of Analysis

Client Sample ID:	MW-11-2		
Lab Sample ID:	M5449-3	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
Method:	SW846 8260	**Percent Solids:**	93.9
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6385.D	1	09/03/98	LHY	n/a	n/a	MSD232
Run #2							

VOA Connecticut Appendix C

CAS No.	Compound	Result	RDL	Units	Q
67-64-1	Acetone	ND	5.2	ug/kg	
107-13-1	Acrylonitrile	ND	26	ug/kg	
71-43-2	Benzene	ND	2.1	ug/kg	
75-25-2	Bromoform	ND	2.1	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.1	ug/kg	
108-90-7	Chlorobenzene	ND	2.1	ug/kg	
67-66-3	Chloroform	ND	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	2.1	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.1	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.1	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.1	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.1	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.1	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.1	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.1	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.1	ug/kg	
100-41-4	Ethylbenzene	ND	2.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.1	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.2	ug/kg	
75-09-2	Methylene chloride	ND	5.2	ug/kg	
100-42-5	Styrene	ND	5.2	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.1	ug/kg	
127-18-4	Tetrachloroethene	37.6	2.1	ug/kg	
108-88-3	Toluene	ND	2.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.1	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.1	ug/kg	
79-01-6	Trichloroethene	4.5	2.1	ug/kg	
75-01-4	Vinyl chloride	ND	2.1	ug/kg	
1330-20-7	Xylene (total)	ND	2.1	ug/kg	

000018

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	MW-11-2		
Lab Sample ID:	M5449-3	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
Method:	SW846 8260	**Percent Solids:**	93.9
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6385.D	1	09/03/98	LHY	n/a	n/a	MSD232
Run #2							

VOA Connecticut Appendix C

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-120%
2037-26-5	Toluene-D8	101%		81-117%
460-00-4	4-Bromofluorobenzene	101%		74-121%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	MW-11-7 (DAF Y23)		
Lab Sample ID:	M5449-2	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
Method:	SW846 8082	**Percent Solids:**	78.8
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GCC8426.D	1	09/07/98	CZ	09/06/98	OP774	GCC454
Run #2	GCC8476R.D	1	09/10/98	CZ	09/06/98	OP774	GCC457

PCB List

CAS No.	Compound	Result	RDL	Units	Q
12674-11-2	Aroclor 1016	ND	41	ug/kg	
12674-11-2	Aroclor 1016	ND [a]	41	ug/kg	
11104-28-2	Aroclor 1221	ND	41	ug/kg	
11104-28-2	Aroclor 1221	ND [a]	41	ug/kg	
11141-16-5	Aroclor 1232	ND	41	ug/kg	
11141-16-5	Aroclor 1232	ND [a]	41	ug/kg	
53469-21-9	Aroclor 1242	ND	41	ug/kg	
53469-21-9	Aroclor 1242	ND [a]	41	ug/kg	
12672-29-6	Aroclor 1248	ND	41	ug/kg	
12672-29-6	Aroclor 1248	ND [a]	41	ug/kg	
11097-69-1	Aroclor 1254	ND	41	ug/kg	
11097-69-1	Aroclor 1254	ND [a]	41	ug/kg	
11096-82-5	Aroclor 1260	ND	41	ug/kg	
11096-82-5	Aroclor 1260	ND [a]	41	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2051-24-3	Decachlorobiphenyl	43%	52%	30-150%

(a) Result is from Run# 2

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	MW-11-7		
Lab Sample ID:	M5449-2	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
		Percent Solids:	78.8
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By		Method
Cyanide, Total	<1.3	1.3	mg/kg	1	09/02/98	SG	SW846 9014
Petroleum Hydrocarbons	<44 J	44	mg/kg	1	08/31/98	HBM	EPA 418.1 M
Solids, Percent	78.8 3/31/99		%	1	08/28/98	HBM	EPA 160.3 M

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-11-7		
Lab Sample ID:	M5449-2A	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
		Percent Solids:	78.8
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By	Method
Cyanide, Total [a]	<0.020	0.020	mg/l	1	09/05/98 HBM	SW846 9010A

(a) Synthetic precipitation leaching procedure

RDL = Reported Detection Limit

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Report of Analysis

Client Sample ID:	MW-11-7		
Lab Sample ID:	M5449-2	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
		Percent Solids:	78.8
Project:	International Silver		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed	By	Method
		3/31/98						
Antimony	<1.2 J	1.2	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Arsenic	1.6 J	1.2	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Beryllium	0.74	0.48	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Cadmium	<0.48	0.48	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Chromium [a]	40.9 J	9.6	mg/kg	4	08/31/98	09/01/98	KJ	SW846 6010B
Copper [a]	18.7 J	12	mg/kg	4	08/31/98	09/01/98	KJ	SW846 6010B
Lead [a]	12.8 J	4.8	mg/kg	4	08/31/98	09/01/98	KJ	SW846 6010B
Mercury	<0.10	0.10	mg/kg	1	09/02/98	09/02/98	KJ	SW846 7471A
Nickel [a]	41.0 J	19	mg/kg	4	08/31/98	09/01/98	KJ	SW846 6010B
Selenium	<1.2 J	1.2	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Silver	<0.84	0.84	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Thallium	1.7	1.2	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Zinc [a]	81.4 J	19	mg/kg	4	08/31/98	09/01/98	KJ	SW846 6010B

(a) Elevated detection limit due to dilution required for matrix interference.

RDL = Reported Detection Limit

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Report of Analysis

Client Sample ID:	MW-11-7		
Lab Sample ID:	M5449-2A	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
		Percent Solids:	78.8
Project:	International Silver		

Metals Analysis, TCLP Leachate

Analyte	Result	HW#	MCL	RDL	Units	DF	Prep	Analyzed	By	Method
Antimony [a]	<0.010			0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Arsenic [a]	<0.010	D004	5.0	0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Beryllium [a]	<0.0050			0.0050	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Cadmium [a]	<0.010	D006	1.0	0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Chromium [a]	<0.020	D007	5.0	0.020	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Copper [a]	<0.025 J ~~MED~~ 3/31/99			0.025	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Lead [a]	<0.010	D008	5.0	0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Mercury [b]	<0.00050	D009	0.20	0.00050	mg/l	1	09/03/98	09/03/98	KJ	SW846 7470A
Nickel [a]	<0.040			0.040	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Selenium [a]	<0.010	D010	1.0	0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Silver [a]	<0.0070	D011	5.0	0.0070	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Thallium [a]	<0.010			0.010	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B
Zinc [a]	<0.040			0.040	mg/l	1	09/01/98	09/01/98	KJ	SW846 6010B

(a) Synthetic Precipitation Leaching Procedure
(b) Synthetic precipitation leaching procedure.

RDL = Reported Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

ACCUTEST

Report of Analysis

Client Sample ID:	MW-11-7		
Lab Sample ID:	M5449-2	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
Method:	SW846 8260	**Percent Solids:**	78.8
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6384.D	1	09/02/98	LHY	n/a	n/a	MSD232
Run #2							

VOA Connecticut Appendix C

CAS No.	Compound	Result	RDL	Units	Q
67-64-1	Acetone	ND	6.4	ug/kg	
107-13-1	Acrylonitrile	ND	32	ug/kg	
71-43-2	Benzene	ND	2.5	ug/kg	
75-25-2	Bromoform	ND	2.5	ug/kg	
78-93-3	2-Butanone (MEK)	ND	6.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.5	ug/kg	
108-90-7	Chlorobenzene	ND	2.5	ug/kg	
67-66-3	Chloroform	ND	2.5	ug/kg	
124-48-1	Dibromochloromethane	ND	2.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.5	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.5	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.5	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.5	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.5	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.5	ug/kg	
156-59-2	cis-1,2-Dichloroethene	6.4	2.5	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.5	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.5	ug/kg	
100-41-4	Ethylbenzene	ND	2.5	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.5	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	6.4	ug/kg	
75-09-2	Methylene chloride	ND	6.4	ug/kg	
100-42-5	Styrene	ND	6.4	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.5	ug/kg	
127-18-4	Tetrachloroethene	ND	2.5	ug/kg	
108-88-3	Toluene	ND	2.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.5	ug/kg	
79-01-6	Trichloroethene	ND	2.5	ug/kg	
75-01-4	Vinyl chloride	ND	2.5	ug/kg	
1330-20-7	Xylene (total)	ND	2.5	ug/kg	

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

000011

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Report of Analysis

Client Sample ID:	MW-11-7		
Lab Sample ID:	M5449-2	**Date Sampled:**	08/25/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
Method:	SW846 8260	**Percent Solids:**	78.8
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6384.D	1	09/02/98	LHY	n/a	n/a	MSD232
Run #2							

VOA Connecticut Appendix C

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-120%
2037-26-5	Toluene-D8	99%		81-117%
460-00-4	4-Bromofluorobenzene	100%		74-121%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

000012

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Report of Analysis

Client Sample ID:	MW-13-2 (DAFY46)	**Date Sampled:**	08/27/98
Lab Sample ID:	M5466-8	**Date Received:**	08/27/98
Matrix:	SO - Soil	**Percent Solids:**	88.9
Method:	SW846 8082		
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GCC8447.D	1	09/07/98	CZ	09/06/98	OP774	GCC454
Run #2	GCC8507R.D	1	09/11/98	CZ	09/06/98	OP774	GCC460

PCB List

CAS No.	Compound	Result	RDL	Units	Q
12674-11-2	Aroclor 1016	ND	37	ug/kg	
12674-11-2	Aroclor 1016	ND [a]	37	ug/kg	
11104-28-2	Aroclor 1221	ND	37	ug/kg	
11104-28-2	Aroclor 1221	ND [a]	37	ug/kg	
11141-16-5	Aroclor 1232	ND	37	ug/kg	
11141-16-5	Aroclor 1232	ND [a]	37	ug/kg	
53469-21-9	Aroclor 1242	ND	37	ug/kg	
53469-21-9	Aroclor 1242	ND [a]	37	ug/kg	
12672-29-6	Aroclor 1248	ND	37	ug/kg	
12672-29-6	Aroclor 1248	ND [a]	37	ug/kg	
11097-69-1	Aroclor 1254	ND	37	ug/kg	
11097-69-1	Aroclor 1254	ND [a]	37	ug/kg	
11096-82-5	Aroclor 1260	ND	37	ug/kg	
11096-82-5	Aroclor 1260	ND [a]	37	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2051-24-3	Decachlorobiphenyl	60%	66%	30-150%

(a) Result is from Run# 2

000034

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	MW-13-2		
Lab Sample ID:	M5466-8	**Date Sampled:**	08/27/98
Matrix:	SO - Soil	**Date Received:**	08/27/98
		Percent Solids:	88.9
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By		Method
Cyanide, Total	<1.1	1.1	mg/kg	1	09/02/98	SG	SW846 9014
Petroleum Hydrocarbons	531 J	72	mg/kg	2	09/03/98	SG	EPA 418.1 M
Solids, Percent	88.9 3/31/99		%	1	08/28/98	HBM	EPA 160.3 M

000035

RDL = Reported Detection Limit

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Report of Analysis

Client Sample ID:	MW-13-2		
Lab Sample ID:	M5466-8A	**Date Sampled:**	08/27/98
Matrix:	SO - Soil	**Date Received:**	08/27/98
		Percent Solids:	88.9
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By		Method
Cyanide, Total [a]	<0.020	0.020	mg/l	1	09/05/98	HBM	SW846 9010A

(a) Synthetic precipitation leaching procedure

000036

RDL = Reported Detection Limit

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Report of Analysis

Client Sample ID: MW-13-2
Lab Sample ID: M5466-8
Matrix: SO - Soil
Project: International Silver

Date Sampled: 08/27/98
Date Received: 08/27/98
Percent Solids: 88.9

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed	By	Method
		MED 3/31/99						
Antimony	1.9 J	1.1	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Arsenic	5.1 J	1.1	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Beryllium	<0.43	0.43	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Cadmium	<0.43	0.43	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Chromium	114 J	2.1	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Copper	522 J	2.7	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Lead	211 J	1.1	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Mercury	0.89	0.11	mg/kg	1	09/02/98	09/02/98	KJ	SW846 7471A
Nickel	38.5 J	4.3	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Selenium	<1.1 J	1.1	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Silver	16.8	0.75	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Thallium	4.1	1.1	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Zinc	272 J	4.3	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B

000037

RDL = Reported Detection Limit

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Report of Analysis

Client Sample ID: MW-13-2
Lab Sample ID: M5466-8A
Matrix: SO - Soil
Project: International Silver

Date Sampled: 08/27/98
Date Received: 08/27/98
Percent Solids: 88.9

Metals Analysis, TCLP Leachate

Analyte	Result	HW#	MCL	RDL	Units	DF	Prep	Analyzed	By	Method
Antimony [a]	<0.010			0.010	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Arsenic [a]	<0.010	D004	5.0	0.010	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Beryllium [a]	<0.0050			0.0050	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Cadmium [a]	<0.010	D006	1.0	0.010	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Chromium [a]	<0.020	D007	5.0	0.020	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Copper [a]	0.058 J			0.025	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Lead [a]	0.020	D008	5.0	0.010	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Mercury [b]	<0.00050	D009	0.20	0.00050	mg/l	1	09/03/98	09/03/98	KJ	SW846 7470A
Nickel [a]	<0.040			0.040	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Selenium [a]	<0.010	D010	1.0	0.010	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Silver [a]	<0.0070	D011	5.0	0.0070	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Thallium [a]	<0.010			0.010	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Zinc [a]	0.067			0.040	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B

(a) Synthetic Precipitation Leaching Procedure
(b) Synthetic precipitation leaching procedure.

000038

RDL = Reported Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

ACCUTEST

Report of Analysis

Client Sample ID:	MW-13-2		
Lab Sample ID:	M5466-8	**Date Sampled:**	08/27/98
Matrix:	SO - Soil	**Date Received:**	08/27/98
Method:	SW846 8260	**Percent Solids:**	88.9
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6449.D	1	09/05/98	LHY	n/a	n/a	MSD233
Run #2							

VOA Connecticut Appendix C

CAS No.	Compound	Result	RDL	Units	Q
67-64-1	Acetone	ND	5.7	ug/kg	
107-13-1	Acrylonitrile	ND	28	ug/kg	
71-43-2	Benzene	ND	2.3	ug/kg	
75-25-2	Bromoform	ND	2.3	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.7	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.3	ug/kg	
108-90-7	Chlorobenzene	ND	2.3	ug/kg	
67-66-3	Chloroform	ND	2.3	ug/kg	
124-48-1	Dibromochloromethane	ND	2.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.3	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.3	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.3	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.3	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.3	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.3	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.3	ug/kg	
100-41-4	Ethylbenzene	ND	2.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.3	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.7	ug/kg	
75-09-2	Methylene chloride	ND	5.7	ug/kg	
100-42-5	Styrene	ND	5.7	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.7	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.3	ug/kg	
127-18-4	Tetrachloroethene	ND	2.3	ug/kg	
108-88-3	Toluene	ND	2.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.3	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.3	ug/kg	
79-01-6	Trichloroethene	ND	2.3	ug/kg	
75-01-4	Vinyl chloride	ND	2.3	ug/kg	
1330-20-7	Xylene (total)	ND	2.3	ug/kg	

000039

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	MW-13-2		
Lab Sample ID:	M5466-8	**Date Sampled:**	08/27/98
Matrix:	SO - Soil	**Date Received:**	08/27/98
Method:	SW846 8260	**Percent Solids:**	88.9
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6449.D	1	09/05/98	LHY	n/a	n/a	MSD233
Run #2							

VOA Connecticut Appendix C

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	114%		80-120%
2037-26-5	Toluene-D8	98%		81-117%
460-00-4	4-Bromofluorobenzene	105%		74-121%

000040

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	MW-31-2 (DAFY47)		
Lab Sample ID:	M5466-9	**Date Sampled:**	08/27/98
Matrix:	SO - Soil	**Date Received:**	08/27/98
Method:	SW846 8082	**Percent Solids:**	91.3
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GCC8538.D	1	09/12/98	CZ	09/10/98	OP783	GCC461
Run #2	GCC8539.D	1	09/12/98	CZ	09/10/98	OP783	GCC462

PCB List

CAS No.	Compound	Result	RDL	Units	Q
12674-11-2	Aroclor 1016	ND	36	ug/kg	
12674-11-2	Aroclor 1016	ND [a]	36	ug/kg	
11104-28-2	Aroclor 1221	ND	36	ug/kg	
11104-28-2	Aroclor 1221	ND [a]	36	ug/kg	
11141-16-5	Aroclor 1232	ND	36	ug/kg	
11141-16-5	Aroclor 1232	ND [a]	36	ug/kg	
53469-21-9	Aroclor 1242	ND	36	ug/kg	
53469-21-9	Aroclor 1242	ND [a]	36	ug/kg	
12672-29-6	Aroclor 1248	ND	36	ug/kg	
12672-29-6	Aroclor 1248	ND [a]	36	ug/kg	
11097-69-1	Aroclor 1254	ND	36	ug/kg	
11097-69-1	Aroclor 1254	ND [a]	36	ug/kg	
11096-82-5	Aroclor 1260	ND	36	ug/kg	
11096-82-5	Aroclor 1260	ND [a]	36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2051-24-3	Decachlorobiphenyl	55%	75%	30-150%

(a) Result is from Run# 2

000041

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	MW-31-2		
Lab Sample ID:	M5466-9	**Date Sampled:**	08/27/98
Matrix:	SO - Soil	**Date Received:**	08/27/98
		Percent Solids:	91.3
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By		Method
Cyanide, Total	<1.0	1.0	mg/kg	1	09/02/98	SG	SW846 9014
Petroleum Hydrocarbons	854 J	78	mg/kg	2	09/08/98	SG	EPA 418.1 M
Solids, Percent	91.3		%	1	08/28/98	HBM	EPA 160.3 M

MEL 3/31/99

000042

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-31-2		
Lab Sample ID:	M5466-9A	**Date Sampled:**	08/27/98
Matrix:	SO - Soil	**Date Received:**	08/27/98
		Percent Solids:	91.3
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By		Method
Cyanide, Total [a]	<0.020	0.020	mg/l	1	09/05/98	HBM	SW846 9010A

(a) Synthetic precipitation leaching procedure

000043

RDL = Reported Detection Limit

ACCUTEST

Report of Analysis

Client Sample ID:	MW-31-2		
Lab Sample ID:	M5466-9	**Date Sampled:**	08/27/98
Matrix:	SO - Soil	**Date Received:**	08/27/98
		Percent Solids:	91.3
Project:	International Silver		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed	By	Method
		3/31/99						
Antimony	1.4 J	1.0	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Arsenic	4.2 J	1.0	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Beryllium	<0.40	0.40	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Cadmium	<0.40	0.40	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Chromium	73.6 J	2.0	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Copper	522 J	2.5	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Lead	367 J	1.0	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Mercury	0.56	0.094	mg/kg	1	09/02/98	09/02/98	KJ	SW846 7471A
Nickel	33.7 J	4.0	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Selenium	<1.0 J	1.0	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Silver	17.4	0.70	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Thallium	2.8	1.0	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Zinc	295 J	4.0	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B

000044

RDL = Reported Detection Limit

ACCUTEST

Report of Analysis

Client Sample ID:	MW-31-2		
Lab Sample ID:	M5466-9A	**Date Sampled:**	08/27/98
Matrix:	SO - Soil	**Date Received:**	08/27/98
		Percent Solids:	91.3
Project:	International Silver		

Metals Analysis, TCLP Leachate

Analyte	Result	HW#	MCL	RDL	Units	DF	Prep	Analyzed	By	Method
Antimony [a]	<0.010			0.010	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Arsenic [a]	<0.010	D004	5.0	0.010	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Beryllium [a]	<0.0050			0.0050	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Cadmium [a]	<0.010	D006	1.0	0.010	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Chromium [a]	<0.020	D007	5.0	0.020	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Copper [a]	0.11 J MEL 3/31/99			0.025	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Lead [a]	0.024	D008	5.0	0.010	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Mercury [b]	<0.00050	D009	0.20	0.00050	mg/l	1	09/03/98	09/03/98	KJ	SW846 7470A
Nickel [a]	<0.040			0.040	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Selenium [a]	<0.010	D010	1.0	0.010	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Silver [a]	<0.0070	D011	5.0	0.0070	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Thallium [a]	<0.010			0.010	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Zinc [a]	0.065			0.040	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B

(a) Synthetic Precipitation Leaching Procedure
(b) Synthetic precipitation leaching procedure.

000045

RDL = Reported Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

ACCUTEST

Report of Analysis

Client Sample ID:	MW-31-2		
Lab Sample ID:	M5466-9	**Date Sampled:**	08/27/98
Matrix:	SO - Soil	**Date Received:**	08/27/98
Method:	SW846 8260	**Percent Solids:**	91.3
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6500.D	1	09/08/98	LHY	n/a	n/a	MSD234
Run #2							

VOA Connecticut Appendix C

CAS No.	Compound	Result	RDL	Units	Q
67-64-1	Acetone	ND	5.5	ug/kg	
107-13-1	Acrylonitrile	ND	28	ug/kg	
71-43-2	Benzene	ND	2.2	ug/kg	
75-25-2	Bromoform	ND	2.2	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.2	ug/kg	
108-90-7	Chlorobenzene	ND	2.2	ug/kg	
67-66-3	Chloroform	ND	2.2	ug/kg	
124-48-1	Dibromochloromethane	ND	2.2	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.2	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.2	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.2	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.2	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.2	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.2	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.2	ug/kg	
100-41-4	Ethylbenzene	ND	2.2	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.2	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.5	ug/kg	
75-09-2	Methylene chloride	15.9ND	5.5	ug/kg	B 3/31/99
100-42-5	Styrene	ND	5.5	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.2	ug/kg	
127-18-4	Tetrachloroethene	ND	2.2	ug/kg	
108-88-3	Toluene	ND	2.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.2	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.2	ug/kg	
79-01-6	Trichloroethene	ND	2.2	ug/kg	
75-01-4	Vinyl chloride	ND	2.2	ug/kg	
1330-20-7	Xylene (total)	ND	2.2	ug/kg	

000046

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-31-2		
Lab Sample ID:	M5466-9	**Date Sampled:**	08/27/98
Matrix:	SO - Soil	**Date Received:**	08/27/98
Method:	SW846 8260	**Percent Solids:**	91.3
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6500.D	1	09/08/98	LHY	n/a	n/a	MSD234
Run #2							

VOA Connecticut Appendix C

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		80-120%
2037-26-5	Toluene-D8	100%		81-117%
460-00-4	4-Bromofluorobenzene	87%		74-121%

000047

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	MW-13-7 (DAF-Y43)		
Lab Sample ID:	M5466-10	**Date Sampled:**	08/27/98
Matrix:	SO - Soil	**Date Received:**	08/27/98
Method:	SW846 8082	**Percent Solids:**	68.2
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GCC8540.D	1	09/12/98	CZ	09/10/98	OP783	GCC461
Run #2	GCC8541.D	1	09/12/98	CZ	09/10/98	OP783	GCC462

PCB List

CAS No.	Compound	Result	RDL	Units	Q
12674-11-2	Aroclor 1016	ND	49	ug/kg	
12674-11-2	Aroclor 1016	ND [a]	49	ug/kg	
11104-28-2	Aroclor 1221	ND	49	ug/kg	
11104-28-2	Aroclor 1221	ND [a]	49	ug/kg	
11141-16-5	Aroclor 1232	ND	49	ug/kg	
11141-16-5	Aroclor 1232	ND [a]	49	ug/kg	
53469-21-9	Aroclor 1242	ND	49	ug/kg	
53469-21-9	Aroclor 1242	ND [a]	49	ug/kg	
12672-29-6	Aroclor 1248	ND	49	ug/kg	
12672-29-6	Aroclor 1248	ND [a]	49	ug/kg	
11097-69-1	Aroclor 1254	ND	49	ug/kg	
11097-69-1	Aroclor 1254	ND [a]	49	ug/kg	
11096-82-5	Aroclor 1260	ND	49	ug/kg	
11096-82-5	Aroclor 1260	ND [a]	49	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2051-24-3	Decachlorobiphenyl	69%	80%	30-150%

(a) Result is from Run# 2

000048

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	MW-13-7		
Lab Sample ID:	M5466-10	**Date Sampled:**	08/27/98
Matrix:	SO - Soil	**Date Received:**	08/27/98
		Percent Solids:	68.2
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By	Method
Cyanide, Total	<1.5	1.5	mg/kg	1	09/02/98 SG	SW846 9014
Petroleum Hydrocarbons	63.5 J (MFD)	49	mg/kg	1	09/03/98 SG	EPA 418.1 M
Solids, Percent	68.2 3/31/99		%	1	08/28/98 HBM	EPA 160.3 M

000049

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-13-7		
Lab Sample ID:	M5466-10A	**Date Sampled:**	08/27/98
Matrix:	SO - Soil	**Date Received:**	08/27/98
		Percent Solids:	68.2
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By		Method
Cyanide, Total [a]	<0.021	0.021	mg/l	1	09/05/98	HBM	SW846 9010A

(a) Synthetic precipitation leaching procedure

000050

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-13-7		
Lab Sample ID:	M5466-10	**Date Sampled:**	08/27/98
Matrix:	SO - Soil	**Date Received:**	08/27/98
		Percent Solids:	68.2
Project:	International Silver		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed	By	Method
		MED 3/31/99						
Antimony	<1.4 J	1.4	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Arsenic	2.4 J	1.4	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Beryllium	0.90	0.54	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Cadmium	<0.54	0.54	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Chromium	36.7 J	2.7	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Copper	58.0 J	3.4	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Lead	22.8 J	1.4	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Mercury	<0.15	0.15	mg/kg	1	09/02/98	09/02/98	KJ	SW846 7471A
Nickel	28.1 J	5.4	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Selenium	<1.4 J	1.4	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Silver	<0.95	0.95	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Thallium	2.4	1.4	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Zinc	129 J	5.4	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B

000051

RDL = Reported Detection Limit

ACCUTEST

Report of Analysis

Client Sample ID:	MW-13-7		
Lab Sample ID:	M5466-10A	**Date Sampled:**	08/27/98
Matrix:	SO - Soil	**Date Received:**	08/27/98
		Percent Solids:	68.2
Project:	International Silver		

Metals Analysis, TCLP Leachate

Analyte	Result	HW#	MCL	RDL	Units	DF	Prep	Analyzed	By	Method
Antimony [a]	<0.010			0.010	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Arsenic [a]	<0.010	D004	5.0	0.010	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Beryllium [a]	<0.0050			0.0050	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Cadmium [a]	<0.010	D006	1.0	0.010	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Chromium [a]	<0.020	D007	5.0	0.020	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Copper [a]	<0.025 J		3/31/99	0.025	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Lead [a]	<0.010	D008	5.0	0.010	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Mercury [b]	<0.00050	D009	0.20	0.00050	mg/l	1	09/03/98	09/03/98	KJ	SW846 7470A
Nickel [a]	<0.040			0.040	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Selenium [a]	<0.010	D010	1.0	0.010	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Silver [a]	<0.0070	D011	5.0	0.0070	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Thallium [a]	<0.010			0.010	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Zinc [a]	0.057			0.040	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B

(a) Synthetic Precipitation Leaching Procedure
(b) Synthetic precipitation leaching procedure.

000052

RDL = Reported Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

ACCUTEST

Report of Analysis

Client Sample ID:	MW-13-7		
Lab Sample ID:	M5466-10	**Date Sampled:**	08/27/98
Matrix:	SO - Soil	**Date Received:**	08/27/98
Method:	SW846 8260	**Percent Solids:**	68.2
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6451.D	1	09/05/98	LHY	n/a	n/a	MSD233
Run #2							

VOA Connecticut Appendix C

CAS No.	Compound	Result	RDL	Units	Q
67-64-1	Acetone	59.2	7.4	ug/kg	
107-13-1	Acrylonitrile	ND	37	ug/kg	
71-43-2	Benzene	ND	2.9	ug/kg	
75-25-2	Bromoform	ND	2.9	ug/kg	
78-93-3	2-Butanone (MEK)	ND	7.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.9	ug/kg	
108-90-7	Chlorobenzene	ND	2.9	ug/kg	
67-66-3	Chloroform	ND	2.9	ug/kg	
124-48-1	Dibromochloromethane	ND	2.9	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.9	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.9	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.9	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.9	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.9	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.9	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.9	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.9	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.9	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.9	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.9	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.9	ug/kg	
100-41-4	Ethylbenzene	ND	2.9	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.9	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	7.4	ug/kg	
75-09-2	Methylene chloride	ND	7.4	ug/kg	
100-42-5	Styrene	ND	7.4	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	7.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.9	ug/kg	
127-18-4	Tetrachloroethene	ND	2.9	ug/kg	
108-88-3	Toluene	ND	2.9	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.9	ug/kg	
79-01-6	Trichloroethene	ND	2.9	ug/kg	
75-01-4	Vinyl chloride	ND	2.9	ug/kg	
1330-20-7	Xylene (total)	ND	2.9	ug/kg	

000053

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-13-7		
Lab Sample ID:	M5466-10	**Date Sampled:**	08/27/98
Matrix:	SO - Soil	**Date Received:**	08/27/98
Method:	SW846 8260	**Percent Solids:**	68.2
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6451.D	1	09/05/98	LHY	n/a	n/a	MSD233
Run #2							

VOA Connecticut Appendix C

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	116%		80-120%
2037-26-5	Toluene-D8	100%		81-117%
460-00-4	4-Bromofluorobenzene	106%		74-121%

000054

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-14-2 (DAF437 911)		
Lab Sample ID:	M5498-1	**Date Sampled:**	09/01/98
Matrix:	SO - Soil	**Date Received:**	09/01/98
Method:	SW846 8082	**Percent Solids:**	85.0
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GCC8526.D	1	09/12/98	CZ	09/11/98	OP788	GCC461
Run #2	GCC8527.D	1	09/12/98	CZ	09/11/98	OP788	GCC462

PCB List

CAS No.	Compound	Result	RDL	Units	Q
12674-11-2	Aroclor 1016	ND	40	ug/kg	
12674-11-2	Aroclor 1016	ND [a]	40	ug/kg	
11104-28-2	Aroclor 1221	ND	40	ug/kg	
11104-28-2	Aroclor 1221	ND [a]	40	ug/kg	
11141-16-5	Aroclor 1232	ND	40	ug/kg	
11141-16-5	Aroclor 1232	ND [a]	40	ug/kg	
53469-21-9	Aroclor 1242	ND	40	ug/kg	
53469-21-9	Aroclor 1242	ND [a]	40	ug/kg	
12672-29-6	Aroclor 1248	ND	40	ug/kg	
12672-29-6	Aroclor 1248	ND [a]	40	ug/kg	
11097-69-1	Aroclor 1254	ND	40	ug/kg	
11097-69-1	Aroclor 1254	ND [a]	40	ug/kg	
11096-82-5	Aroclor 1260	ND	40	ug/kg	
11096-82-5	Aroclor 1260	ND [a]	40	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2051-24-3	Decachlorobiphenyl	58%	82%	30-150%

(a) Result is from Run# 2

000003

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-14-2		
Lab Sample ID:	M5498-1	**Date Sampled:**	09/01/98
Matrix:	SO - Soil	**Date Received:**	09/01/98
		Percent Solids:	85.0
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By	Method
Cyanide, Total	<1.2	1.2	mg/kg	1	09/14/98 SG	SW846 9014
Petroleum Hydrocarbons	279 J	41	mg/kg	1	09/08/98 SG	EPA 418.1 M
Solids, Percent	85 3/31/99		%	1	09/03/98 SG	EPA 160.3 M

000004

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-14-2		
Lab Sample ID:	M5498-1A	**Date Sampled:**	09/01/98
Matrix:	SO - Soil	**Date Received:**	09/01/98
		Percent Solids:	85.0
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By		Method
Cyanide, Total [a]	<0.020	0.020	mg/l	1	09/05/98	HBM	SW846 9010A

(a) Synthetic precipitation leaching procedure

000005

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-14-2		
Lab Sample ID:	M5498-1	**Date Sampled:**	09/01/98
Matrix:	SO - Soil	**Date Received:**	09/01/98
		Percent Solids:	85.0
Project:	International Silver		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed	By	Method
		MRL	3/31/99					
Antimony	<1.7 J	1.7	mg/kg	1	09/11/98	09/11/98	KJ	SW846 6010B
Arsenic	3.6 J	1.1	mg/kg	1	09/11/98	09/11/98	KJ	SW846 6010B
Beryllium	<0.45	0.45	mg/kg	1	09/11/98	09/11/98	KJ	SW846 6010B
Cadmium	<0.45	0.45	mg/kg	1	09/11/98	09/11/98	KJ	SW846 6010B
Chromium	20.6 J	2.2	mg/kg	1	09/11/98	09/11/98	KJ	SW846 6010B
Copper	140 J	2.8	mg/kg	1	09/11/98	09/11/98	KJ	SW846 6010B
Lead	73.1 J	1.1	mg/kg	1	09/11/98	09/11/98	KJ	SW846 6010B
Mercury	0.27	0.10	mg/kg	1	09/02/98	09/02/98	KJ	SW846 7471A
Nickel	24.1 J	4.5	mg/kg	1	09/11/98	09/11/98	KJ	SW846 6010B
Selenium	<1.1 J	1.1	mg/kg	1	09/11/98	09/11/98	KJ	SW846 6010B
Silver	3.6	0.78	mg/kg	1	09/11/98	09/11/98	KJ	SW846 6010B
Thallium	3.0	1.1	mg/kg	1	09/11/98	09/11/98	KJ	SW846 6010B
Zinc	91.4 J	4.5	mg/kg	1	09/11/98	09/11/98	KJ	SW846 6010B

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-14-2		
Lab Sample ID:	M5498-1A	**Date Sampled:**	09/01/98
Matrix:	SO - Soil	**Date Received:**	09/01/98
		Percent Solids:	85.0
Project:	International Silver		

Metals Analysis, TCLP Leachate

Analyte	Result	HW#	MCL	RDL	Units	DF	Prep	Analyzed	By	Method
Antimony [a]	0.012			0.010	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Arsenic [a]	0.012	D004	5.0	0.010	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Beryllium [a]	<0.0050			0.0050	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Cadmium [a]	<0.010	D006	1.0	0.010	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Chromium [a]	<0.020	D007	5.0	0.020	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Copper [a]	0.079 J			0.025	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Lead [a]	0.041	D008	5.0	0.010	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Mercury [b]	<0.00050	D009	0.20	0.00050	mg/l	1	09/03/98	09/03/98	KJ	SW846 7470A
Nickel [a]	<0.040			0.040	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Selenium [a]	<0.010	D010	1.0	0.010	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Silver [a]	<0.0070	D011	5.0	0.0070	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Thallium [a]	<0.010			0.010	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Zinc [a]	0.088			0.040	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B

(a) Synthetic Precipitation Leaching Procedure
(b) Synthetic precipitation leaching procedure.

RDL = Reported Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

ACCUTEST

Report of Analysis

Client Sample ID:	MW-14-2		
Lab Sample ID:	M5498-1	**Date Sampled:**	09/01/98
Matrix:	SO - Soil	**Date Received:**	09/01/98
Method:	SW846 8260	**Percent Solids:**	85.0
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6452.D	1	09/05/98	LHY	n/a	n/a	MSD233
Run #2							

VOA Connecticut Appendix C

CAS No.	Compound	Result	RDL	Units	Q
67-64-1	Acetone	43.0	6.1	ug/kg	J
107-13-1	Acrylonitrile	ND	30	ug/kg	
71-43-2	Benzene	ND	2.4	ug/kg	
75-25-2	Bromoform	ND	2.4	ug/kg	
78-93-3	2-Butanone (MEK)	ND	6.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.4	ug/kg	
108-90-7	Chlorobenzene	ND	2.4	ug/kg	
67-66-3	Chloroform	ND	2.4	ug/kg	
124-48-1	Dibromochloromethane	ND	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.4	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.4	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.4	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.4	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.4	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.4	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.4	ug/kg	
100-41-4	Ethylbenzene	ND	2.4	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.4	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	6.1	ug/kg	
75-09-2	Methylene chloride	ND	6.1	ug/kg	
100-42-5	Styrene	ND	6.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.4	ug/kg	
127-18-4	Tetrachloroethene	ND	2.4	ug/kg	
108-88-3	Toluene	ND	2.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.4	ug/kg	
79-01-6	Trichloroethene	2.5	2.4	ug/kg	
75-01-4	Vinyl chloride	ND	2.4	ug/kg	
1330-20-7	Xylene (total)	ND	2.4	ug/kg	

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-14-2		
Lab Sample ID:	M5498-1	**Date Sampled:**	09/01/98
Matrix:	SO - Soil	**Date Received:**	09/01/98
Method:	SW846 8260	**Percent Solids:**	85.0
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6452.D	1	09/05/98	LHY	n/a	n/a	MSD233
Run #2							

VOA Connecticut Appendix C

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	117%		80-120%
2037-26-5	Toluene-D8	95%		81-117%
460-00-4	4-Bromofluorobenzene	73% [a]		74-121%

(a) Outside control limits due to matrix interference. Confirmed by reanalysis.

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-14-7 CDAFY38 9/1)		
Lab Sample ID:	M5498-2	**Date Sampled:**	09/01/98
Matrix:	SO - Soil	**Date Received:**	09/01/98
Method:	SW846 8082	**Percent Solids:**	84.6
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GCC8528.D	1	09/12/98	CZ	09/11/98	OP788	GCC461
Run #2	GCC8529.D	1	09/12/98	CZ	09/11/98	OP788	GCC462

PCB List

CAS No.	Compound	Result	RDL	Units	Q
12674-11-2	Aroclor 1016	ND	41	ug/kg	
12674-11-2	Aroclor 1016	ND [a]	41	ug/kg	
11104-28-2	Aroclor 1221	ND	41	ug/kg	
11104-28-2	Aroclor 1221	ND [a]	41	ug/kg	
11141-16-5	Aroclor 1232	ND	41	ug/kg	
11141-16-5	Aroclor 1232	ND [a]	41	ug/kg	
53469-21-9	Aroclor 1242	ND	41	ug/kg	
53469-21-9	Aroclor 1242	ND [a]	41	ug/kg	
12672-29-6	Aroclor 1248	ND	41	ug/kg	
12672-29-6	Aroclor 1248	ND [a]	41	ug/kg	
11097-69-1	Aroclor 1254	ND	41	ug/kg	
11097-69-1	Aroclor 1254	ND [a]	41	ug/kg	
11096-82-5	Aroclor 1260	ND	41	ug/kg	
11096-82-5	Aroclor 1260	ND [a]	41	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2051-24-3	Decachlorobiphenyl	61%	75%	30-150%

(a) Result is from Run# 2

000010

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-14-7		
Lab Sample ID:	M5498-2	**Date Sampled:**	09/01/98
Matrix:	SO - Soil	**Date Received:**	09/01/98
		Percent Solids:	84.6
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By	Method
Cyanide, Total	<1.2	1.2	mg/kg	1	09/14/98 SG	SW846 9014
Petroleum Hydrocarbons	<40 J	40	mg/kg	1	09/08/98 SG	EPA 418.1 M
Solids, Percent	84.6 3/31/99		%	1	09/03/98 SG	EPA 160.3 M

000011

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-14-7		
Lab Sample ID:	M5498-2A	**Date Sampled:**	09/01/98
Matrix:	SO - Soil	**Date Received:**	09/01/98
		Percent Solids:	84.6
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By		Method
Cyanide, Total [a]	<0.021	0.021	mg/l	1	09/05/98	HBM	SW846 9010A

(a) Synthetic precipitation leaching procedure

000012

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-14-7		
Lab Sample ID:	M5498-2	**Date Sampled:**	09/01/98
Matrix:	SO - Soil	**Date Received:**	09/01/98
		Percent Solids:	84.6
Project:	International Silver		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed	By	Method
		NEW	3/31/98					
Antimony	1.9 J	1.7	mg/kg	1	09/11/98	09/11/98	KJ	SW846 6010B
Arsenic	4.8 J	1.1	mg/kg	1	09/11/98	09/11/98	KJ	SW846 6010B
Beryllium	0.47	0.44	mg/kg	1	09/11/98	09/11/98	KJ	SW846 6010B
Cadmium	<0.44	0.44	mg/kg	1	09/11/98	09/11/98	KJ	SW846 6010B
Chromium	22.8 J	2.2	mg/kg	1	09/11/98	09/11/98	KJ	SW846 6010B
Copper	91.3 J	2.7	mg/kg	1	09/11/98	09/11/98	KJ	SW846 6010B
Lead	88.9 J	1.1	mg/kg	1	09/11/98	09/11/98	KJ	SW846 6010B
Mercury	0.29	0.086	mg/kg	1	09/11/98	09/11/98	KJ	SW846 7471A
Nickel	12.8 J	4.4	mg/kg	1	09/11/98	09/11/98	KJ	SW846 6010B
Selenium	1.1 J	1.1	mg/kg	1	09/11/98	09/11/98	KJ	SW846 6010B
Silver	1.6	0.77	mg/kg	1	09/11/98	09/11/98	KJ	SW846 6010B
Thallium	2.7	1.1	mg/kg	1	09/11/98	09/11/98	KJ	SW846 6010B
Zinc	88.5 J	4.4	mg/kg	1	09/11/98	09/11/98	KJ	SW846 6010B

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-14-7		
Lab Sample ID:	M5498-2A	**Date Sampled:**	09/01/98
Matrix:	SO - Soil	**Date Received:**	09/01/98
		Percent Solids:	84.6
Project:	International Silver		

Metals Analysis, TCLP Leachate

Analyte	Result	HW#	MCL	RDL	Units	DF	Prep	Analyzed	By	Method
Antimony [a]	<0.010			0.010	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Arsenic [a]	<0.010	D004	5.0	0.010	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Beryliium [a]	<0.0050			0.0050	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Cadmium [a]	<0.010	D006	1.0	0.010	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Chromium [a]	<0.020	D007	5.0	0.020	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Copper [a]	0.033 J			0.025	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Lead [a]	0.033	D008	5.0	0.010	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Mercury [b]	<0.00050	D009	0.20	0.00050	mg/l	1	09/03/98	09/03/98	KJ	SW846 7470A
Nickel [a]	<0.040			0.040	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Selenium [a]	<0.010	D010	1.0	0.010	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Silver [a]	<0.0070	D011	5.0	0.0070	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Thallium [a]	<0.010			0.010	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B
Zinc [a]	0.064			0.040	mg/l	1	09/02/98	09/03/98	KJ	SW846 6010B

(a) Synthetic Precipitation Leaching Procedure
(b) Synthetic precipitation leaching procedure.

RDL = Reported Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-14-7		
Lab Sample ID:	M5498-2	**Date Sampled:**	09/01/98
Matrix:	SO - Soil	**Date Received:**	09/01/98
Method:	SW846 8260	**Percent Solids:**	84.6
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6453.D	1	09/05/98	LHY	n/a	n/a	MSD233
Run #2							

VOA Connecticut Appendix C

CAS No.	Compound	Result	RDL	Units	Q
67-64-1	Acetone	246	5.8	ug/kg	
107-13-1	Acrylonitrile	ND	29	ug/kg	
71-43-2	Benzene	ND	2.3	ug/kg	
75-25-2	Bromoform	ND	2.3	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.8	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.3	ug/kg	
108-90-7	Chlorobenzene	ND	2.3	ug/kg	
67-66-3	Chloroform	ND	2.3	ug/kg	
124-48-1	Dibromochloromethane	ND	2.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.3	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.3	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.3	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.3	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.3	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.3	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.3	ug/kg	
100-41-4	Ethylbenzene	ND	2.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.3	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.8	ug/kg	
75-09-2	Methylene chloride	ND	5.8	ug/kg	
100-42-5	Styrene	ND	5.8	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.8	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.3	ug/kg	
127-18-4	Tetrachloroethene	ND	2.3	ug/kg	
108-88-3	Toluene	ND	2.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.3	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.3	ug/kg	
79-01-6	Trichloroethene	ND	2.3	ug/kg	
75-01-4	Vinyl chloride	ND	2.3	ug/kg	
1330-20-7	Xylene (total)	ND	2.3	ug/kg	

000015

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-14-7		
Lab Sample ID:	M5498-2	**Date Sampled:**	09/01/98
Matrix:	SO - Soil	**Date Received:**	09/01/98
Method:	SW846 8260	**Percent Solids:**	84.6
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6453.D	1	09/05/98	LHY	n/a	n/a	MSD233
Run #2							

VOA Connecticut Appendix C

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	116%		80-120%
2037-26-5	Toluene-D8	97%		81-117%
460-00-4	4-Bromofluorobenzene	100%		74-121%

000016

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	SD-01 (DAFY32)		
Lab Sample ID:	M5449-11	**Date Sampled:**	08/24/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
Method:	SW846 8082	**Percent Solids:**	83.9
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GCC8436.D	1	09/07/98	CZ	09/06/98	OP774	GCC454
Run #2	GCC8486R.D	1	09/10/98	CZ	09/06/98	OP774	GCC457

PCB List

CAS No.	Compound	Result	RDL	Units	Q
12674-11-2	Aroclor 1016	ND	39	ug/kg	
12674-11-2	Aroclor 1016	ND [a]	39	ug/kg	
11104-28-2	Aroclor 1221	ND	39	ug/kg	
11104-28-2	Aroclor 1221	ND [a]	39	ug/kg	
11141-16-5	Aroclor 1232	ND	39	ug/kg	
11141-16-5	Aroclor 1232	ND [a]	39	ug/kg	
53469-21-9	Aroclor 1242	ND	39	ug/kg	
53469-21-9	Aroclor 1242	ND [a]	39	ug/kg	
12672-29-6	Aroclor 1248	ND	39	ug/kg	
12672-29-6	Aroclor 1248	ND [a]	39	ug/kg	
11097-69-1	Aroclor 1254	ND	39	ug/kg	
11097-69-1	Aroclor 1254	ND [a]	39	ug/kg	
11096-82-5	Aroclor 1260	ND	39	ug/kg	
11096-82-5	Aroclor 1260	ND [a]	39	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2051-24-3	Decachlorobiphenyl	87%	111%	30-150%

(a) Result is from Run# 2

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	SD-01		
Lab Sample ID:	M5449-11	**Date Sampled:**	08/24/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
		Percent Solids:	83.9
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By		Method
Cyanide, Total	<1.2	1.2	mg/kg	1	09/02/98	SG	SW846 9014
Solids, Percent	83.9		%	1	08/28/98	HBM	EPA 160.3 M

000068

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	SD-01		
Lab Sample ID:	M5449-11	**Date Sampled:**	08/24/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
		Percent Solids:	83.9
Project:	International Silver		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed By		Method
		3/31/99						
Antimony	<1.0 J	1.0	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Arsenic	2.4 J	1.0	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Beryllium	<0.40	0.40	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Cadmium	<0.40	0.40	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Chromium	10.7 J	2.0	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Copper	47.6 J	2.5	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Lead	63.6 J	1.0	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Mercury	<0.064	0.064	mg/kg	1	09/02/98	09/02/98	KJ	SW846 7471A
Nickel	10.6 J	4.0	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Selenium	<1.0 J	1.0	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Silver	<0.70	0.70	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Thallium	2.0	1.0	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Zinc	66.4 J	4.0	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B

RDL = Reported Detection Limit

ACCUTEST

Report of Analysis

Client Sample ID:	SD-01		
Lab Sample ID:	M5449-11	**Date Sampled:**	08/24/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
Method:	SW846 8260	**Percent Solids:**	83.9
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6423.D	1	09/04/98	LHY	n/a	n/a	MSD232
Run #2							

VOA Connecticut Appendix C

CAS No.	Compound	Result	RDL	Units	Q
67-64-1	Acetone	ND	5.9	ug/kg	
107-13-1	Acrylonitrile	ND	30	ug/kg	
71-43-2	Benzene	ND	2.4	ug/kg	
75-25-2	Bromoform	ND	2.4	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.9	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.4	ug/kg	
108-90-7	Chlorobenzene	ND	2.4	ug/kg	
67-66-3	Chloroform	ND	2.4	ug/kg	
124-48-1	Dibromochloromethane	ND	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.4	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.4	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.4	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.4	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.4	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.4	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.4	ug/kg	
100-41-4	Ethylbenzene	ND	2.4	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.4	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.9	ug/kg	
75-09-2	Methylene chloride	ND	5.9	ug/kg	
100-42-5	Styrene	ND	5.9	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.9	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.4	ug/kg	
127-18-4	Tetrachloroethene	ND	2.4	ug/kg	
108-88-3	Toluene	ND	2.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.4	ug/kg	
79-01-6	Trichloroethene	ND	2.4	ug/kg	
75-01-4	Vinyl chloride	ND	2.4	ug/kg	
1330-20-7	Xylene (total)	ND	2.4	ug/kg	

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	SD-01		
Lab Sample ID:	M5449-11	**Date Sampled:**	08/24/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
Method:	SW846 8260	**Percent Solids:**	83.9
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6423.D	1	09/04/98	LHY	n/a	n/a	MSD232
Run #2							

VOA Connecticut Appendix C

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-120%
2037-26-5	Toluene-D8	95%		81-117%
460-00-4	4-Bromofluorobenzene	96%		74-121%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	SD-02 (DAFY31)		
Lab Sample ID:	M5449-10	**Date Sampled:**	08/24/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
Method:	SW846 8082	**Percent Solids:**	85.0
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GCC8435.D	1	09/07/98	CZ	09/06/98	OP774	GCC454
Run #2	GCC8485R.D	1	09/10/98	CZ	09/06/98	OP774	GCC457

PCB List

CAS No.	Compound	Result	RDL	Units	Q
12674-11-2	Aroclor 1016	ND	38	ug/kg	
12674-11-2	Aroclor 1016	ND [a]	38	ug/kg	
11104-28-2	Aroclor 1221	ND	38	ug/kg	
11104-28-2	Aroclor 1221	ND [a]	38	ug/kg	
11141-16-5	Aroclor 1232	ND	38	ug/kg	
11141-16-5	Aroclor 1232	ND [a]	38	ug/kg	
53469-21-9	Aroclor 1242	ND	38	ug/kg	
53469-21-9	Aroclor 1242	ND [a]	38	ug/kg	
12672-29-6	Aroclor 1248	ND	38	ug/kg	
12672-29-6	Aroclor 1248	ND [a]	38	ug/kg	
11097-69-1	Aroclor 1254	ND	38	ug/kg	
11097-69-1	Aroclor 1254	ND [a]	38	ug/kg	
11096-82-5	Aroclor 1260	ND	38	ug/kg	
11096-82-5	Aroclor 1260	ND [a]	38	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2051-24-3	Decachlorobiphenyl	74%	90%	30-150%

(a) Result is from Run# 2

000062

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	SD-02		
Lab Sample ID:	M5449-10	**Date Sampled:**	08/24/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
		Percent Solids:	85.0
Project:	International Silver		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed	By	Method
		MB 3/31/99						
Antimony	<1.0 J	1.0	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Arsenic	1.3 J	1.0	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Beryllium	<0.41	0.41	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Cadmium	<0.41	0.41	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Chromium	30.3 J	2.0	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Copper	46.5 J	2.6	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Lead	26.7 J	1.0	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Mercury	<0.074	0.074	mg/kg	1	09/02/98	09/02/98	KJ	SW846 7471A
Nickel	10.5 J	4.1	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Selenium	<1.0 J	1.0	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Silver	<0.72	0.72	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Thallium	2.1	1.0	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Zinc	82.5 J	4.1	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B

RDL = Reported Detection Limit

ACCUTEST

Report of Analysis

Client Sample ID:	SD-02		
Lab Sample ID:	M5449-10	**Date Sampled:**	08/24/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
Method:	SW846 8260	**Percent Solids:**	85.0
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6391.D	1	09/03/98	LHY	n/a	n/a	MSD232
Run #2							

VOA Connecticut Appendix C

CAS No.	Compound	Result	RDL	Units	Q
67-64-1	Acetone	ND	5.8	ug/kg	
107-13-1	Acrylonitrile	ND	29	ug/kg	
71-43-2	Benzene	ND	2.3	ug/kg	
75-25-2	Bromoform	ND	2.3	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.8	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.3	ug/kg	
108-90-7	Chlorobenzene	ND	2.3	ug/kg	
67-66-3	Chloroform	ND	2.3	ug/kg	
124-48-1	Dibromochloromethane	ND	2.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.3	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.3	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.3	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.3	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.3	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.3	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.3	ug/kg	
100-41-4	Ethylbenzene	ND	2.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.3	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.8	ug/kg	
75-09-2	Methylene chloride	ND	5.8	ug/kg	
100-42-5	Styrene	ND	5.8	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.8	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.3	ug/kg	
127-18-4	Tetrachloroethene	94.3	2.3	ug/kg	
108-88-3	Toluene	ND	2.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.3	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.3	ug/kg	
79-01-6	Trichloroethene	13.0	2.3	ug/kg	
75-01-4	Vinyl chloride	ND	2.3	ug/kg	
1330-20-7	Xylene (total)	ND	2.3	ug/kg	

000065

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	SD-02		
Lab Sample ID:	M5449-10	**Date Sampled:**	08/24/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
Method:	SW846 8260	**Percent Solids:**	85.0
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6391.D	1	09/03/98	LHY	n/a	n/a	MSD232
Run #2							

VOA Connecticut Appendix C

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		80-120%
2037-26-5	Toluene-D8	99%		81-117%
460-00-4	4-Bromofluorobenzene	100%		74-121%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	SD-03 (DAFY33)		
Lab Sample ID:	M5449-12	**Date Sampled:**	08/24/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
Method:	SW846 8082	**Percent Solids:**	85.2
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GCC8437.D	1	09/07/98	CZ	09/06/98	OP774	GCC454
Run #2	GCC8487R.D	1	09/10/98	CZ	09/06/98	OP774	GCC457

PCB List

CAS No.	Compound	Result	RDL	Units	Q
12674-11-2	Aroclor 1016	ND	39	ug/kg	
12674-11-2	Aroclor 1016	ND [a]	38	ug/kg	
11104-28-2	Aroclor 1221	ND	39	ug/kg	
11104-28-2	Aroclor 1221	ND [a]	38	ug/kg	
11141-16-5	Aroclor 1232	ND	39	ug/kg	
11141-16-5	Aroclor 1232	ND [a]	38	ug/kg	
53469-21-9	Aroclor 1242	ND	39	ug/kg	
53469-21-9	Aroclor 1242	ND [a]	38	ug/kg	
12672-29-6	Aroclor 1248	ND	39	ug/kg	
12672-29-6	Aroclor 1248	ND [a]	38	ug/kg	
11097-69-1	Aroclor 1254	ND	39	ug/kg	
11097-69-1	Aroclor 1254	ND [a]	38	ug/kg	
11096-82-5	Aroclor 1260	ND	39	ug/kg	
11096-82-5	Aroclor 1260	ND [a]	38	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2051-24-3	Decachlorobiphenyl	86%	105%	30-150%

(a) Result is from Run# 2

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	SD-03		
Lab Sample ID:	M5449-12	**Date Sampled:**	08/24/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
		Percent Solids:	85.2
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By		Method
Cyanide, Total	<1.1	1.1	mg/kg	1	09/02/98	SG	SW846 9014
Solids, Percent	85.2		%	1	08/28/98	HBM	EPA 160.3 M

000073

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	SD-03		
Lab Sample ID:	M5449-12	**Date Sampled:**	08/24/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
		Percent Solids:	85.2
Project:	International Silver		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed By		Method
		3/31/99						
Antimony	4.6 J	0.97	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Arsenic	2.8 J	0.97	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Beryllium	<0.39	0.39	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Cadmium	<0.39	0.39	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Chromium	25.3 J	1.9	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Copper	116 J	2.4	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Lead	103 J	0.97	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Mercury	0.070	0.061	mg/kg	1	09/02/98	09/02/98	KJ	SW846 7471A
Nickel	17.0 J	3.9	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Selenium	<0.97 J	0.97	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Silver	1.0	0.68	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Thallium	3.5	0.97	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B
Zinc	164 J	3.9	mg/kg	1	08/31/98	09/01/98	KJ	SW846 6010B

RDL = Reported Detection Limit

ACCUTEST

Report of Analysis

Client Sample ID:	SD-03		
Lab Sample ID:	M5449-12	**Date Sampled:**	08/24/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
Method:	SW846 8260	**Percent Solids:**	85.2
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6432.D	1	09/04/98	LHY	n/a	n/a	MSD233
Run #2							

VOA Connecticut Appendix C

CAS No.	Compound	Result	RDL	Units	Q
67-64-1	Acetone	ND	5.7	ug/kg	
107-13-1	Acrylonitrile	ND	28	ug/kg	
71-43-2	Benzene	ND	2.3	ug/kg	
75-25-2	Bromoform	ND	2.3	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.7	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.3	ug/kg	
108-90-7	Chlorobenzene	ND	2.3	ug/kg	
67-66-3	Chloroform	ND	2.3	ug/kg	
124-48-1	Dibromochloromethane	ND	2.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.3	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.3	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.3	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.3	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.3	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.3	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.3	ug/kg	
100-41-4	Ethylbenzene	ND	2.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.3	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.7	ug/kg	
75-09-2	Methylene chloride	ND	5.7	ug/kg	
100-42-5	Styrene	ND	5.7	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.7	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.3	ug/kg	
127-18-4	Tetrachloroethene	ND	2.3	ug/kg	
108-88-3	Toluene	ND	2.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.3	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.3	ug/kg	
79-01-6	Trichloroethene	2.4	2.3	ug/kg	
75-01-4	Vinyl chloride	ND	2.3	ug/kg	
1330-20-7	Xylene (total)	ND	2.3	ug/kg	

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	SD-03		
Lab Sample ID:	M5449-12	**Date Sampled:**	08/24/98
Matrix:	SO - Soil	**Date Received:**	08/25/98
Method:	SW846 8260	**Percent Solids:**	85.2
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6432.D	1	09/04/98	LHY	n/a	n/a	MSD233
Run #2							

VOA Connecticut Appendix C

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		80-120%
2037-26-5	Toluene-D8	94%		81-117%
460-00-4	4-Bromofluorobenzene	99%		74-121%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

REGION I
Data Review Worksheets

VI. ~~MATRIX SPIKE~~ lab Duplicate

TR # MS546-1 **MATRIX:** Soil (solid)

1. Recovery Criteria

List the percent recoveries for analytes which did not meet the required criteria.

S - amount of spike added
SSR - spikes sample result
SR - sample result

Analyte	SSR	SR	S	%R	Action
Antimony	26.6	0.79	56.4	45.8	J/UJ
Zinc	208	172	56.4	63.8	J

Matrix Spike Actions apply to all samples of the same matrix.

ACTIONS:

1. If the sample concentration exceeds the spike concentration by a factor of 4 or more, no action is taken.

2. If any analyte does not meet the %R criteria follow the actions stated below:

	PERCENT RECOVERY		
	<30%	30%-74%	>125%
Positive Sample Results	J	J	J
Non-detected Results	R	UJ	A

2. Frequency Criteria

A. Was a matrix spike prepared at the required frequency? Yes or No

B. Was a post digestion spike analyzed for elements that did not meet required criteria for matrix spike recovery? Yes or No

A separate worksheet should be used for each matrix spike pair.

ACCUTEST.

Report of Analysis

Client Sample ID:	SW-01 (DAFY34)		
Lab Sample ID:	M5449-13	**Date Sampled:**	08/24/98
Matrix:	AQ - Ground Water	**Date Received:**	08/25/98
		Percent Solids:	n/a
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By	Method
Cyanide, Total	<0.020	0.020	mg/l	1	09/03/98 SG	SM18 4500CNE

000077

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	SW-01		
Lab Sample ID:	M5449-13	**Date Sampled:**	08/24/98
Matrix:	AQ - Ground Water	**Date Received:**	08/25/98
		Percent Solids:	n/a
Project:	International Silver		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed By		Method
Antimony	<5.0	5.0	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7
Arsenic	<5.0	5.0	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7
Beryllium	<4.0	4.0	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7
Cadmium	<4.0	4.0	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7
Chromium	<20	20	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7
Copper	<25	25	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7
Lead	<10	10	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7
Mercury	<0.50	0.50	ug/l	1	09/04/98	09/04/98	KJ	EPA 245.1
Nickel	<40	40	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7
Selenium	<10	10	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7
Silver	<7.0	7.0	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7
Thallium	<10	10	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7
Zinc	<40	40	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	SW-01		
Lab Sample ID:	M5449-13	**Date Sampled:**	08/24/98
Matrix:	AQ - Ground Water	**Date Received:**	08/25/98
Method:	SW846 8260	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A8517.D	1	09/04/98	LHY	n/a	n/a	MSA288
Run #2							

VOA Connecticut Appendix C

CAS No.	Compound	Result	RDL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
107-13-1	Acrylonitrile	ND	25	ug/l	
71-43-2	Benzene	ND	2.0	ug/l	
75-25-2	Bromoform	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
67-66-3	Chloroform	ND	2.0	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	3.7	2.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	ug/l	
108-88-3	Toluene	ND	2.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/l	
79-01-6	Trichloroethene	5.4	2.0	ug/l	
75-01-4	Vinyl chloride	ND	2.0	ug/l	
1330-20-7	Xylene (total)	ND	2.0	ug/l	

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	SW-01		
Lab Sample ID:	M5449-13	**Date Sampled:**	08/24/98
Matrix:	AQ - Ground Water	**Date Received:**	08/25/98
Method:	SW846 8260	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A8517.D	1	09/04/98	LHY	n/a	n/a	MSA288
Run #2							

VOA Connecticut Appendix C

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		86-118%
2037-26-5	Toluene-D8	97%		88-110%
460-00-4	4-Bromofluorobenzene	92%		80-120%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	SW-02 (DAFY35)		
Lab Sample ID:	M5449-14	**Date Sampled:**	08/24/98
Matrix:	AQ - Ground Water	**Date Received:**	08/25/98
		Percent Solids:	n/a
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By	Method
Cyanide, Total	<0.020	0.020	mg/l	1	09/03/98 SG	SM18 4500CNE

000081

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	SW-02		
Lab Sample ID:	M5449-14	**Date Sampled:**	08/24/98
Matrix:	AQ - Ground Water	**Date Received:**	08/25/98
		Percent Solids:	n/a
Project:	International Silver		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed	By	Method
Antimony	<5.0	5.0	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7
Arsenic	<5.0	5.0	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7
Beryllium	<4.0	4.0	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7
Cadmium	<4.0	4.0	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7
Chromium	<20	20	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7
Copper	<25	25	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7
Lead	<10	10	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7
Mercury	<0.50	0.50	ug/l	1	09/04/98	09/04/98	KJ	EPA 245.1
Nickel	<40	40	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7
Selenium	<10	10	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7
Silver	<7.0	7.0	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7
Thallium	<10	10	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7
Zinc	<40	40	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7

RDL = Reported Detection Limit

ACCUTEST

Report of Analysis

Client Sample ID:	SW-02		
Lab Sample ID:	M5449-14	**Date Sampled:**	08/24/98
Matrix:	AQ - Ground Water	**Date Received:**	08/25/98
Method:	SW846 8260	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A8530.D	1	09/05/98	LHY	n/a	n/a	MSA288
Run #2							

VOA Connecticut Appendix C

CAS No.	Compound	Result	RDL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
107-13-1	Acrylonitrile	ND	25	ug/l	
71-43-2	Benzene	ND	2.0	ug/l	
75-25-2	Bromoform	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
67-66-3	Chloroform	ND	2.0	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	3.1	2.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	ug/l	
108-88-3	Toluene	ND	2.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/l	
79-01-6	Trichloroethene	3.0	2.0	ug/l	
75-01-4	Vinyl chloride	ND	2.0	ug/l	
1330-20-7	Xylene (total)	ND	2.0	ug/l	

000083

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	SW-02		
Lab Sample ID:	M5449-14	**Date Sampled:**	08/24/98
Matrix:	AQ - Ground Water	**Date Received:**	08/25/98
Method:	SW846 8260	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A8530.D	1	09/05/98	LHY	n/a	n/a	MSA288
Run #2							

VOA Connecticut Appendix C

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		86-118%
2037-26-5	Toluene-D8	98%		88-110%
460-00-4	4-Bromofluorobenzene	92%		80-120%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	SW-03 (DARY36)		
Lab Sample ID:	M5449-15	**Date Sampled:**	08/24/98
Matrix:	AQ - Ground Water	**Date Received:**	08/25/98
		Percent Solids:	n/a
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By	Method
Cyanide, Total	<0.020	0.020	mg/l	1	09/03/98 SG	SM18 4500CNE

000085

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	SW-03		
Lab Sample ID:	M5449-15	**Date Sampled:**	08/24/98
Matrix:	AQ - Ground Water	**Date Received:**	08/25/98
		Percent Solids:	n/a
Project:	International Silver		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed	By	Method
Antimony	<5.0	5.0	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7
Arsenic	<5.0	5.0	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7
Beryllium	<4.0	4.0	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7
Cadmium	<4.0	4.0	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7
Chromium	<20	20	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7
Copper	<25	25	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7
Lead	<10	10	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7
Mercury	<0.50	0.50	ug/l	1	09/04/98	09/04/98	KJ	EPA 245.1
Nickel	<40	40	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7
Selenium	<10	10	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7
Silver	<7.0	7.0	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7
Thallium	<10	10	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7
Zinc	<40	40	ug/l	1	09/02/98	09/02/98	KJ	EPA 200.7

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	SW-03		
Lab Sample ID:	M5449-15	**Date Sampled:**	08/24/98
Matrix:	AQ - Ground Water	**Date Received:**	08/25/98
Method:	SW846 8260	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A8529.D	1	09/05/98	LHY	n/a	n/a	MSA288
Run #2							

VOA Connecticut Appendix C

CAS No.	Compound	Result	RDL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
107-13-1	Acrylonitrile	ND	25	ug/l	
71-43-2	Benzene	ND	2.0	ug/l	
75-25-2	Bromoform	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
67-66-3	Chloroform	ND	2.0	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	3.2	2.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	ug/l	
108-88-3	Toluene	ND	2.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/l	
79-01-6	Trichloroethene	2.3	2.0	ug/l	
75-01-4	Vinyl chloride	ND	2.0	ug/l	
1330-20-7	Xylene (total)	ND	2.0	ug/l	

000087

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	SW-03		
Lab Sample ID:	M5449-15	**Date Sampled:**	08/24/98
Matrix:	AQ - Ground Water	**Date Received:**	08/25/98
Method:	SW846 8260	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A8529.D	1	09/05/98	LHY	n/a	n/a	MSA288
Run #2							

VOA Connecticut Appendix C

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		86-118%
2037-26-5	Toluene-D8	98%		88-110%
460-00-4	4-Bromofluorobenzene	93%		80-120%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	WIPE-1 (DAFY40)		
Lab Sample ID:	M5466-4	**Date Sampled:**	08/27/98
Matrix:	WIPE - Wipe Sample	**Date Received:**	08/27/98
Method:	SW846 8082	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GCC8495.D	1	09/11/98	CZ	09/10/98	OP782	GCC459
Run #2	GCC8500R.D	1	09/11/98	CZ	09/10/98	OP782	GCC460

PCB List

CAS No.	Compound	Result	RDL	Units	Q
12674-11-2	Aroclor 1016	ND	1000	ug/wipe	
12674-11-2	Aroclor 1016	ND [a]	1000	ug/wipe	
11104-28-2	Aroclor 1221	ND	1000	ug/wipe	
11104-28-2	Aroclor 1221	ND [a]	1000	ug/wipe	
11141-16-5	Aroclor 1232	ND	1000	ug/wipe	
11141-16-5	Aroclor 1232	ND [a]	1000	ug/wipe	
53469-21-9	Aroclor 1242	ND	1000	ug/wipe	
53469-21-9	Aroclor 1242	ND [a]	1000	ug/wipe	
12672-29-6	Aroclor 1248	ND	1000	ug/wipe	
12672-29-6	Aroclor 1248	ND [a]	1000	ug/wipe	
11097-69-1	Aroclor 1254	ND	1000	ug/wipe	
11097-69-1	Aroclor 1254	ND [a]	1000	ug/wipe	
11096-82-5	Aroclor 1260	ND	1000	ug/wipe	
11096-82-5	Aroclor 1260	ND [a]	1000	ug/wipe	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2051-24-3	Decachlorobiphenyl	87%	106%	30-150%

(a) Result is from Run# 2

000020

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	WIPE-1		
Lab Sample ID:	M5466-4	**Date Sampled:**	08/27/98
Matrix:	WIPE - Wipe Sample	**Date Received:**	08/27/98
		Percent Solids:	n/a
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By	Method
Cyanide, Total	<10	10	ug/wipe	1	09/03/98 SG	SW846 9010A

000021

RDL = Reported Detection Limit

ACCUTEST

Report of Analysis

Client Sample ID:	WIPE-1		
Lab Sample ID:	M5466-4	**Date Sampled:**	08/27/98
Matrix:	WIPE - Wipe Sample	**Date Received:**	08/27/98
		Percent Solids:	n/a
Project:	International Silver		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed	By	Method
Antimony	0.58	0.50	ug/wipe	1	09/03/98	09/03/98	KJ	SW846 6010B
Arsenic	0.55	0.50	ug/wipe	1	09/03/98	09/03/98	KJ	SW846 6010B
Beryllium	<0.50	0.50	ug/wipe	1	09/03/98	09/03/98	KJ	SW846 6010B
Cadmium	1.1	0.40	ug/wipe	1	09/03/98	09/03/98	KJ	SW846 6010B
Chromium	9.0	1.0	ug/wipe	1	09/03/98	09/03/98	KJ	SW846 6010B
Copper	1210	7.5	ug/wipe	3	09/03/98	09/03/98	KJ	SW846 6010B
Lead	31.2	0.30	ug/wipe	1	09/03/98	09/03/98	KJ	SW846 6010B
Mercury	<0.10	0.10	ug/wipe	1	09/05/98	09/05/98	HBM	SW846 7471A
Nickel	159	4.0	ug/wipe	1	09/03/98	09/03/98	KJ	SW846 6010B
Selenium	0.76	0.50	ug/wipe	1	09/03/98	09/03/98	KJ	SW846 6010B
Silver	7.2	1.0	ug/wipe	1	09/03/98	09/03/98	KJ	SW846 6010B
Thallium	<1.0	1.0	ug/wipe	1	09/03/98	09/03/98	KJ	SW846 6010B
Zinc	842 J	6.0	ug/wipe	3	09/03/98	09/03/98	KJ	SW846 6010B

MFW 3/31/99

000022

RDL = Reported Detection Limit

ACCUTEST

Report of Analysis

Client Sample ID:	WIPE-2 (DAFYUI)		
Lab Sample ID:	M5466-5	**Date Sampled:**	08/27/98
Matrix:	WIPE - Wipe Sample	**Date Received:**	08/27/98
Method:	SW846 8082	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GCC8496.D	1	09/11/98	CZ	09/10/98	OP782	GCC459
Run #2	GCC8501R.D	1	09/11/98	CZ	09/10/98	OP782	GCC460

PCB List

CAS No.	Compound	Result	RDL	Units	Q
12674-11-2	Aroclor 1016	ND	1000	ug/wipe	
12674-11-2	Aroclor 1016	ND [a]	1000	ug/wipe	
11104-28-2	Aroclor 1221	ND	1000	ug/wipe	
11104-28-2	Aroclor 1221	ND [a]	1000	ug/wipe	
11141-16-5	Aroclor 1232	ND	1000	ug/wipe	
11141-16-5	Aroclor 1232	ND [a]	1000	ug/wipe	
53469-21-9	Aroclor 1242	ND	1000	ug/wipe	
53469-21-9	Aroclor 1242	ND [a]	1000	ug/wipe	
12672-29-6	Aroclor 1248	ND	1000	ug/wipe	
12672-29-6	Aroclor 1248	ND [a]	1000	ug/wipe	
11097-69-1	Aroclor 1254	ND	1000	ug/wipe	
11097-69-1	Aroclor 1254	ND [a]	1000	ug/wipe	
11096-82-5	Aroclor 1260	ND	1000	ug/wipe	
11096-82-5	Aroclor 1260	ND [a]	1000	ug/wipe	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2051-24-3	Decachlorobiphenyl	95%	104%	30-150%

(a) Result is from Run# 2

000023

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	WIPE-2		
Lab Sample ID:	M5466-5	**Date Sampled:**	08/27/98
Matrix:	WIPE - Wipe Sample	**Date Received:**	08/27/98
		Percent Solids:	n/a
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By	Method
Cyanide, Total	<10	10	ug/wipe	1	09/03/98 SG	SW846 9010A

000024

RDL = Reported Detection Limit

ACCUTEST

Report of Analysis

Client Sample ID:	WIPE-2		
Lab Sample ID:	M5466-5	**Date Sampled:**	08/27/98
Matrix:	WIPE - Wipe Sample	**Date Received:**	08/27/98
		Percent Solids:	n/a
Project:	International Silver		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed	By	Method
Antimony	0.59	0.50	ug/wipe	1	09/03/98	09/03/98	KJ	SW846 6010B
Arsenic	<0.50	0.50	ug/wipe	1	09/03/98	09/03/98	KJ	SW846 6010B
Beryllium	<0.50	0.50	ug/wipe	1	09/03/98	09/03/98	KJ	SW846 6010B
Cadmium	<0.40	0.40	ug/wipe	1	09/03/98	09/03/98	KJ	SW846 6010B
Chromium	5.1	1.0	ug/wipe	1	09/03/98	09/03/98	KJ	SW846 6010B
Copper	157	2.5	ug/wipe	1	09/03/98	09/03/98	KJ	SW846 6010B
Lead	27.8	0.30	ug/wipe	1	09/03/98	09/03/98	KJ	SW846 6010B
Mercury	<0.10	0.10	ug/wipe	1	09/05/98	09/05/98	HBM	SW846 7471A
Nickel	17.3	4.0	ug/wipe	1	09/03/98	09/03/98	KJ	SW846 6010B
Selenium	1.1	0.50	ug/wipe	1	09/03/98	09/03/98	KJ	SW846 6010B
Silver	<1.0	1.0	ug/wipe	1	09/03/98	09/03/98	KJ	SW846 6010B
Thallium	<1.0	1.0	ug/wipe	1	09/03/98	09/03/98	KJ	SW846 6010B
Zinc	127 J	2.0	ug/wipe	1	09/03/98	09/03/98	KJ	SW846 6010B

REW 3/31/99

000025

RDL = Reported Detection Limit

ACCUTEST

Report of Analysis

Client Sample ID:	WIPE-3 (DAFY42)		
Lab Sample ID:	M5466-6	**Date Sampled:**	08/27/98
Matrix:	WIPE - Wipe Sample	**Date Received:**	08/27/98
Method:	SW846 8082	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GCC8497.D	1	09/11/98	CZ	09/10/98	OP782	GCC459
Run #2	GCC8502R.D	1	09/11/98	CZ	09/10/98	OP782	GCC460

PCB List

CAS No.	Compound	Result	RDL	Units	Q
12674-11-2	Aroclor 1016	ND	1000	ug/wipe	
12674-11-2	Aroclor 1016	ND [a]	1000	ug/wipe	
11104-28-2	Aroclor 1221	ND	1000	ug/wipe	
11104-28-2	Aroclor 1221	ND [a]	1000	ug/wipe	
11141-16-5	Aroclor 1232	ND	1000	ug/wipe	
11141-16-5	Aroclor 1232	ND [a]	1000	ug/wipe	
53469-21-9	Aroclor 1242	ND	1000	ug/wipe	
53469-21-9	Aroclor 1242	ND [a]	1000	ug/wipe	
12672-29-6	Aroclor 1248	ND	1000	ug/wipe	
12672-29-6	Aroclor 1248	ND [a]	1000	ug/wipe	
11097-69-1	Aroclor 1254	ND	1000	ug/wipe	
11097-69-1	Aroclor 1254	ND [a]	1000	ug/wipe	
11096-82-5	Aroclor 1260	ND	1000	ug/wipe	
11096-82-5	Aroclor 1260	ND [a]	1000	ug/wipe	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2051-24-3	Decachlorobiphenyl	98%	115%	30-150%

(a) Result is from Run# 2

000026

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	WIPE-3		
Lab Sample ID:	M5466-6	**Date Sampled:**	08/27/98
Matrix:	WIPE - Wipe Sample	**Date Received:**	08/27/98
		Percent Solids:	n/a
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By	Method
Cyanide, Total	<10	10	ug/wipe	1	09/03/98 SG	SW846 9010A

000027

RDL = Reported Detection Limit

ACCUTEST

Report of Analysis

Client Sample ID:	WIPE-3		
Lab Sample ID:	M5466-6	**Date Sampled:**	08/27/98
Matrix:	WIPE - Wipe Sample	**Date Received:**	08/27/98
		Percent Solids:	n/a
Project:	International Silver		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed	By	Method
Antimony	1.1	0.50	ug/wipe	1	09/03/98	09/03/98	KJ	SW846 6010B
Arsenic	2.2	0.50	ug/wipe	1	09/03/98	09/03/98	KJ	SW846 6010B
Beryllium	<0.50	0.50	ug/wipe	1	09/03/98	09/03/98	KJ	SW846 6010B
Cadmium	0.66	0.40	ug/wipe	1	09/03/98	09/03/98	KJ	SW846 6010B
Chromium	20.1	1.0	ug/wipe	1	09/03/98	09/03/98	KJ	SW846 6010B
Copper	2730	12	ug/wipe	5	09/03/98	09/03/98	KJ	SW846 6010B
Lead	47.5	0.30	ug/wipe	1	09/03/98	09/03/98	KJ	SW846 6010B
Mercury	<0.10	0.10	ug/wipe	1	09/05/98	09/05/98	HBM	SW846 7471A
Nickel	326	4.0	ug/wipe	1	09/03/98	09/03/98	KJ	SW846 6010B
Selenium	1.2	0.50	ug/wipe	1	09/03/98	09/03/98	KJ	SW846 6010B
Silver	18.3	1.0	ug/wipe	1	09/03/98	09/03/98	KJ	SW846 6010B
Thallium	<1.0	1.0	ug/wipe	1	09/03/98	09/03/98	KJ	SW846 6010B
Zinc	1480 J	10	ug/wipe	5	09/03/98	09/03/98	KJ	SW846 6010B

MEW 3/31/99

000028

RDL = Reported Detection Limit

ATTACHMENT III

Data Review Worksheets

Brownfields Site Assessment Data Review Checklist
International Silver Co. Site
DAS Case No. 0172F; SDG No. DAFY22

Data Reviewed	Fraction						
	VOCs	PCBs	TPH	Metals	SPLP Metals	Total Cyanide	SPLP Cyanide
Chain of Custody	✓	✓	✓	✓	✓	✓	✓
Log-in Sheet	✓	✓	✓	✓	✓	✓	✓
Preservation	✓	✓	✓	✓	✓	✓	✓
Holding Time	✓	✓	✓	✓	✓	✓	✓
Initial Calibration	✓	✓	NA	✓	✓	NA	NA
Continuing Calibration	✓	✓	NA	✓	✓	NA	NA
Instrument/Method Blanks (Soil/Solids)	✓	✓	✓	✓	✓	✓	✓
Instrument/Method Blanks (Wipes)	@	@	@	✓	@	✓	@
Instrument/Method Blanks (Aqueous/Liquids)	✓	✓	✓	✓	NA	✓	NA
Field Blanks	✓	✓	✓	✓	@	✓	@
MS/MSD - soil/solid	✓	✓	✓	✓	@	✓	@
MS/MSD - aqueous/liquid	✓	✓	✓	✓	✓	✓	✓
MS/MSD - wipes	@	@	@	@	@	✓	@
Lab Duplicate - soil/solid	@	✓	✓	@	@	✓	@
Lab Duplicate - aqueous/liquid	@	✓	✓	@	@	✓	✓
Lab Duplicate - wipes	@	@	@	@	@	✓	@
LFB/LCS/Blank Spike	✓	✓	✓	✓	✓	✓	✓
Surrogate Recoveries	✓	✓	NA	NA	NA	NA	NA
Field Duplicate	✓	✓	✓	✓	✓	✓	✓

@ - not performed on START samples; not applicable
✓ - data provided by the lab
NA - not applicable
** - not provided by the lab; resubmittals requested
* - not provided by the lab

Data Reviewer Initials: CG/MW Date: 7/99

A-NE - Data Validation
DA/SV - Pest/PCB-I

mpler: Chow, Bowen, Jennings Company: RFW Contacted: Yes (No) Date: _____

PRESERVATION AND HOLDING TIMES - Circle sample numbers with exceeded technical holding times or omitted preservation.
List all required preservation codes and circle omitted preservation codes.
Circle all exceeded technical holding times.
Identify extraction technique after "# of Days"/(*Extraction Code).

Cooler Temp = 3 °C Documented p. 000233

Sample No. (TR No.)	Matrix	Pres. Code	Date Sampled	VOA Date Analyzed	VOA # of Days from Samp. to Anal.	VOA Action	TPH Date Extracted	TPH # of Days from Samp. to Extr./(*)	TPH Date Analyzed	TPH # of Days from Extr. to Anal.	TPH Action	PEST/PCB Date Extracted	PEST/PCB # of Days from Samp. to Extr./(*)	PEST/PCB Date Analyzed	PEST/PCB # of Days from Extr. to Anal.	PEST/PCB Action
AFY22	AQ	1,2,3	8/24/98	9/4/98	11	None ✓										
AFY23	Soil	1,3	8/25/98	9/2/98	8	None			8/31/98	6	None	9/6/98	12	9/7/98	1	None
AFY23(2)	Soil													9/10/98	4	
AFY24				9/3/98	9	None			8/31/98	6	None	9/6/98	12	9/7/98	1	
AFY24(2)														9/10/98	4	
AFY25				9/4/98	10	None			8/31/98	6	None	9/6/98	12	9/7/98	1	
AFY25(2)														9/10/98	4	
AFY26				9/3/98	9	None			8/31/98	6	None		12	9/7/98	1	
AFY26(2)														9/10/98	4	
AFY27				9/3/98	9	None			8/31/98	6	None		12	9/7/98	1	
AFY27(2)														9/10/98	4	
AFY28				9/3/98	9	None			8/31/98	6	None		12	9/7/98	1	
AFY28(2)														9/10/98	4	
AFY29			8/24/98	9/3/98	10	None			8/31/98	7	None		13	9/7/98	1	
AFY29(2)														9/10/98	4	
AFY30				9/3/98	10	None			8/31/98	7	None		13	9/7/98	1	
AFY30(2)														9/10/98	4	
AFY31	Soil			9/3/98	10	None								9/7/98	1	
AFY31(2)														9/10/98	4	

(2) indicates another analysis

Preservation Code:
- Cool @ 4°C (± 2°)
- Preserve with HCl to at least pH 2 → see COC and VOC case narrative
- Protect from light
- Freeze
- Room Temperature (Avoid excessive heat)

(*Extraction Code:)
- L/L - Liquid/Liquid
- SON - Sonication
- SEP - Separatory Funnel
- SOX - Soxhlet
- SPE - Solid Phase Extraction

Action Code:
- J - Estimate (J) Detected Values
- UJ - Estimate (UJ) Non-Detected Values
- R - Reject (R) Non-Detected Values

Matrix Codes:
AQ = aqueous
S/S = soil/sediment

alidator: Mark Warren Date: 3-5-99

TPH HT = 28 days

✓ = pH w/in limits (preservation)

12/96

-NE - Data Validation
A/SV - Pest/PCB-I

pler: Chow, Bowen, Jennings Company: RFW Contacted: Yes (No) Date: _____

PRESERVATION AND HOLDING TIMES - Circle sample numbers with exceeded technical holding times or omitted preservation.
List all required preservation codes and circle omitted preservation codes.
Circle all exceeded technical holding times.
Identify extraction technique after "# of Days"/(*Extraction Code).

Cooler Temp = 3 °C Documented p. 000233

ample No. (TR No.)	Matrix	Pres. Code	Date Sampled	VOA Date Analyzed	VOA # of Days from Samp. to Anal.	VOA Action	TPH Date Extracted	TPH # of Days from Samp. to Extr./(*)	TPH Date Analyzed	TPH # of Days from Extr. to Anal.	TPH Action	PEST/PCB Date Extracted	PEST/PCB # of Days from Samp. to Extr./(*)	PEST/PCB Date Analyzed	PEST/PCB # of Days from Extr. to Anal.	PEST/PCB Action
FY32	~~Soil~~ sed	1,3	8/24/98	9/4/98	11	None						9/6/98	13	9/7/98	1	None
FY32(2)	↓	↓	↓									↓	↓	9/14/98	3 4	↓
FY33				9/4/98	11	None								9/7/98	1	
FY33(2)														9/10/98	3 4	
FY34	AQ	1,2,3		9/4/98	11	None										
FY35	↓	↓	↓	9/5/98	12	↓ ✓										
FY36				↓	↓	✓										
AFY37	AQ	1,2,3	8/25/98	9/5/98	11	None ✓			8/31/98	6	None					
FY38	Soil	1,3		9/4/98	10	↓						9/6/98	12	9/9/98	3	None
FY38														9/11/98	5	
FY39				9/5/98	11	None			8/31/98	6	None			9/7/98	1	
FY39(2)	↓	↓	↓											9/11/98	5	
FY40	Wipe	1,3	8/27/98									9/10/98	14	9/11/98	1	↓
FY40(2)																
FY41																
FY41(2)																
FY42																
AFY42(2)																

servation Code:
Cool @ 4°C (± 2°)
Preserve with HCl to at least pH 2 → see COC and VOC case narrative
Protect from light
Freeze
Room Temperature (Avoid excessive heat)

→ **(*Extraction Code:)**
L/L - Liquid/Liquid
SON - Sonication
SEP - Separatory Funnel
SOX - Soxhlet
SPE - Solid Phase Extraction

Action Code:
J - Estimate (J) Detected Values
UJ - Estimate (UJ) Non-Detected Values
R - Reject (R) Non-Detected Values

Matrix Codes:
AQ = aqueous
S/S = Soil/Sediment

idator: Marie Warren

Date: 3-5-99

12/96

A-NE - Data Validation
A/SV - Pest/PCB-I

npler: Chow, Bowen, Jennings Company: RFW Contacted: Yes (No) Date: _____

PRESERVATION AND HOLDING TIMES - Circle sample numbers with exceeded technical holding times or omitted preservation.
List all required preservation codes and circle omitted preservation codes.
Circle all exceeded technical holding times.
Identify extraction technique after "# of Days"/(*Extraction Code).

Cooler Temp = 3 °C Documented p. 000233

Sample No. (TR No.)	Matrix	Pres. Code	Date Sampled	VOA Date Analyzed	VOA # of Days from Samp. to Anal.	VOA Action	TPH ~~DIVA~~ Date Extracted	TPH # of Days from Samp. to Extr./(*)	TPH Date Analyzed	TPH # of Days from Extr. to Anal.	TPH Action	PEST/PCB Date Extracted	PEST/PCB # of Days from Samp. to Extr./(*)	PEST/PCB Date Analyzed	PEST/PCB # of Days from Extr. to Anal.	PEST/PCB Action
AFY43	AQ	1,2,3	8/27/98	9/5/98	9	None			9/3/98	7	None	9/3/98	7	9/10/98	7	None
AFY43X(2)	↓	↓	↓									↓		9/14/98	11	↓
AFY46	Soil	1,3	↓	9/5/98	9	None			9/3/98	7	None	9/6/98	10	9/7/98	1	↓
AFY46(2)	↓	↓	↓									↓		9/11/98	5	↓
AFY47	↓	↓	↓	9/8/98	12	None			9/8/98	12	None	9/10/98	14	9/12/98	2	↓
AFY47(2)	↓	↓	↓									↓		↓	↓	↓
AFY48	↓	↓	↓	9/5/98	9	None			~~9/5/98~~ 9/3/98	7	None	↓		↓	↓	↓
AFY48(2)	↓	↓	↓									↓		↓	↓	↓
AFY37	Soil	1,3	9/1/98	9/5/98	4	None			9/8/98	7	None	9/11/98	10	9/12/98	1	↓
AFY37(2)	↓	↓	↓									↓	↓	↓	↓	↓
AFY38	↓	↓	↓	9/5/98	4	None			9/8/98	7	None	↓	↓	↓	↓	↓
AFY38(2)	↓	↓	↓													
AFY39	AQ	1,2,3	↓	9/8/98	7	None										

eservation Code:
Cool @ 4°C (± 2°)
Preserve with HCl to at least pH 2 → see COC and VOC case narrative
Protect from light
Freeze
Room Temperature (Avoid excessive heat)

→ **(*Extraction Code:)**
L/L - Liquid/Liquid
SON - Sonication
SEP - Separatory Funnel
SOX - Soxhlet
SPE - Solid Phase Extraction

Action Code:
J - Estimate (J) Detected Values
UJ - Estimate (UJ) Non-Detected Values
R - Reject (R) Non-Detected Values

Matrix Codes:
AQ = aqueous
S/S = soil/sediment

lidator: Mark Warren

Date: 3-5-99

REGION I
Data Review Worksheets

II. HOLDING TIMES Complete table for all samples and circle the analysis date for samples not within criteria.

MATRIX	SAMPLE ID	DATE SAMPLED	HG DATE ANALYSIS	CYANIDE DATE ANALYSIS	PP13 metals OTHERS DATE ANALYSIS	SPLP* Cyanide	PP13 metals ~~TCLP**~~ SPLP*	ACTION
Soil	DAFY23	8/25/98	9/2/98	9/2/98	9/1/98	9/5/98	(Hg → 9/3/98) 9/1/98	
	DAFY24						(Hg → 9/3/98) 9/1/98	
	DAFY25							
	DAFY26							
	DAFY27							
	DAFY28							
	DAFY29	8/~~25~~ 24/98						
	DAFY30	8/24/98						
Sed	DAFY31							
	DAFY32							
	DAFY33							
AQ	DAFY34		9/4/98	9/3/98 ✓	9/2/98 ✓			
	DAFY35			✓	✓			
	DAFY36			✓	✓			

METALS - 180 DAYS FROM SAMPLE COLLECTION
MERCURY - 28 DAYS FROM SAMPLE COLLECTION
CYANIDE - 14 DAYS FROM SAMPLE COLLECTION

Cooler temp = 3 °C
see p. 000233 of Data PKg

ACTION:

1. If holding times are exceeded all positive results are estimated (J) and non-detects are estimated (UJ).

2. If holding times are grossly exceeded, the reviewer may determine that non-detects are unusable (R).

* Synthetic precipitation leaching procedure

~~** Toxicity characteristic leaching procedure~~

[illegible] limits (preservation)

REGION I
Data Review Worksheets

II. HOLDING TIMES Complete table for all samples and circle the analysis date for samples not within criteria.

MATRIX	SAMPLE ID	DATE SAMPLED	HG DATE ANALYSIS	CYANIDE DATE ANALYSIS	OTHERS DATE ANALYSIS (PP13 metals)	SPLP* Cyanide	PP13 metals TCLP**	Action
	~~DAFY25~~	~~8/25/98~~	~~9/2/98~~	~~9/2/98~~	~~9/1/98~~	~~9/5/98~~		
Soil	DAFY38	8/25/98	9/2/98	9/2/98	9/1/98	9/5/98	(Hg → 9/3/98) 9/3/98	
↓	DAFY39	↓	↓	↓	↓	↓	↓	
Wipe	DAFY40	8/27/98	9/5/98	9/3/98	9/3/98			
↓	DAFY41	↓	↓	↓	↓			
↓	DAFY42	↓	↓	↓	↓			
AQ	DAFY43	↓	9/4/98	↓	9/2/98			
Soil	DAFY46	↓	9/2/98	9/2/98	9/1/98	9/5/98	9/3/98	
↓	DAFY47	↓	↓	↓	↓	↓	↓	
↓	DAFY48	↓	↓	↓	↓	↓	↓	
Soil	DAFY37	~~8~~ 9/1/98	9/2/98	9/14/98	9/11/98	9/5/98	9/3/98	
↓	DAFY38	↓	9/11/98	↓	↓	↓	↓	

METALS - 180 DAYS FROM SAMPLE COLLECTION
MERCURY - 28 DAYS FROM SAMPLE COLLECTION
CYANIDE - 14 DAYS FROM SAMPLE COLLECTION

Cooler temp = 3 °C
see p. 000233 of Data Pkg

ACTION:

1. If holding times are exceeded all positive results are estimated (J) and non-detects are estimated (UJ).

2. If holding times are grossly exceeded, the reviewer may determine that non-detects are unusable (R).

* Synthetic precipitation leaching procedure

** Toxicity characteristic leaching procedure

EPA-NE - Data Validation Worksheet
VOA/SV - Pest/PCB - V - B1

3. Blank Actions:

Actions Apply to Aqueous (AQ) Samples

Compound	Blank w/ Max. Conc.	Date Blank Sampled/ Analyzed	Max Conc. (ug/L)	Action Level (ug/L)	Sample QL (ug/L)	Samples Affected	Action
	Lab					AQ Field	U
	Lab					Blanks	U
	Lab					"	U
	Lab					"	U
	Lab					"	U
	Lab					"	U
	Lab					"	U
	Lab					"	U
	Lab					"	U
	Lab					"	U
	Lab					"	U
	Lab					"	U
	Lab					"	U
	Lab					"	U
Chloroform	Lab, Equip, or Trip*	8/21/98	21.8	110	2.0	AQ Field	U
	Lab, Equip, or Trip*					Samples	U
	Lab, Equip, or Trip*					(SW, GW,	U
	Lab, Equip, or Trip*					MW, etc.)	U
	Lab, Equip, or Trip*					"	U
	Lab, Equip, or Trip*					"	U
	Lab, Equip, or Trip*					"	U
	Lab, Equip, or Trip*					"	U
	Lab, Equip, or Trip*					"	U
	Lab, Equip, or Trip*					"	U
	Lab, Equip, or Trip*					"	U
	Lab, Equip, or Trip*					"	U
	Lab, Equip, or Trip*					"	U

Applicable Lab Blanks include:
MB - aqueous method blanks
HB - holding blanks (VOCs)
IB - instrument blanks (P/PCBs)

AQ Field Blanks include:
Equip - equipment blank (rinsate)**
Trip - trip blank**
** - use unqualified results to determine blank actions

AQ Field Samples include:
SW - surface waters
GW - groundwaters
MW - monitoring well waters
DW - drinking waters

Comments:

Validator MRW Date 3/31/99 * - circle one

EPA-NE - Data Validation Worksheet
VOA/SV - Pest/PCB - V - B2

3. Blank Actions:

Actions Apply to Soil/Sediment (S/S) Samples

Compound	Blank w/ Max. Conc.	Date Blank Sampled/ Analyzed	Max Conc. (ug/kg)	Action Level (ug/kg)	Sample QL (ug/kg)	Samples Affected	Action
Methylene Chloride	Lab	9/8/98	3.6	36	5.0	S/S	U
	Lab					Samples	U
	Lab					"	U
	Lab					"	U
	Lab					"	U
	Lab					"	U
	Lab					"	U
	Lab					"	U
	Lab					"	U
	Lab					"	U
	Lab					"	U
	Lab					"	U
	Lab					"	U
	Lab					"	U
			(ug/L)				
Chloroform	EB or TB*	8/24/98	~~10.5~~ 21.8	None	--	S/S	EB or TB*
	EB or TB*			None	--	Samples	EB or TB*
	EB or TB*			None	--	"	EB or TB*
	EB or TB*			None	--	"	EB or TB*
	EB or TB*			None	--	"	EB or TB*
	EB or TB*			None	--	"	EB or TB*
	EB or TB*			None	--	"	EB or TB*
	EB or TB*			None	--	"	EB or TB*
	EB or TB*			None	--	"	EB or TB*
	EB or TB*			None	--	"	EB or TB*
	EB or TB*			None	--	"	EB or T
	EB or TB*			None	--	"	EB

Applicable Lab Blanks include:
MB - solid method blanks
HB - holding blanks (VOCs)
IB - instrument blanks (P/PCBs)

AQ Field Blanks include:
EB - equipment blank (rinsate)@
TB - trip blank@

@ - which have not been qualified "U" due to aqueous lab blank contamination - see Blank Analysis worksheet, Item 2

Comments:

Validator [illegible] Date 3/31/99 * - circle one NA - not applicable

P:\ST \CLF NKS K4

EPA-NE - Data Validation Worksheet
VOA-VI

VI. VOA SURROGATE SPIKE RECOVERIES - List all surrogate compound recoveries that are outside method QC acceptance criteria.

Method	Volatile Method QC Acceptance Criteria				
	Toluene-d_8	BFB	DCE-d_4	Other:	
OLM03.2	Water 88-110 Soil 84-138	Water 86-115 Soil 59-113	Water 76-114 Soil 70-121		
OLC02.1	NA	80-120	NA		
Other:		74-121			
Sample Number/Matrix	**% Recovery**	**% Recovery**	**% Recovery**	**% Recovery**	**Action**
DAFY26		66	~~74-121~~		J/UJ
DAFY29		57	~~↓~~		↓
DAFY37		73	~~↓~~ M		

Validator: Mark Warney

Date: 3/31/99

EPA-NE - Data Validation Worksheet
VOA/SV-III

III. INITIAL CALIBRATION - List all analytes that are outside calibration criteria.

Note only if failed

Date of ICAL	Instrument	Parameter	Matrix	Compound	% RSD	RRF	Samples Affected	Action
9/3/98	D	VOCs	S/S	Acetone		0.041	DAFY23,24,26,27,28,29,30,31	J/R
↓	↓	↓	↓	Acrylonitrile		0.029	↓	↓
8/30/98	A	↓	AQ	Acetone		0.035	DAFY22,34,35,36,37(8/25), 39(9/1),43	↓
↓	↓	↓	↓	Acrylonitrile		0.029	↓	↓

Comments:

Validator: Mark Warren

Date: 4/1/99

EPA-NE - Data Validation Worksheet
VOA/SV-IV

V. CONTINUING CALIBRATION - List all analytes that are outside calibration criteria.

Note only if failed

Date of ICAL	Date of CCAL	Instrument	Parameter	Matrix	Compound	%D	RRF	Samples Affected	Action
8/30/98	9/5/98	A	VOCs	Aq	Acetone		0.036	DAFY35, 36, 37 (8/25), 43	J/R
					Acrylonitrile		0.27		
	9/8/98				Acetone		0.032	DAFY39 ~~(9/1)~~ (9/1)	J/R
					Acrylonitrile		0.024		
	9/4/98				Acetone		0.37	DAFY22, 34	J/R
					Acrylonitrile		0.32		

Comments:

Validator: Mark Warren

Date: 9/1/99

EPA-NE - Data Validation Worksheet
VOA/SV - Pest/PCB-IX

IX. **FIELD DUPLICATE PRECISION** - List all field duplicate analytes that are outside criteria.

Use a separate worksheet for each field duplicate pair.

Sample Number DAFY46 Duplicate Sample Number DAFY47 Matrix Soil

Parameter	Compound	Sample Conc.	Sample QL		Duplicate Conc.	Duplicate QL		RPD	QC Acceptance Criteria RPD or NA*	Action
			SQL	2xSQL		SQL	2xSQL			
Metals									50% or NA	

OK

* For instances where one duplicate result is ND (or reported less than the sample QL).

Does the MS/MSD data indicate acceptable laboratory precision? (Y) N

Comments: _____

Sampler Name: _____ Contractor Name: _____ Date Contacted: _____

Reason for Contact and resolution obtained: _____

Validator: Mark Warner Date: 3/29/99

REGION I
Data Review Worksheets

VIII. FIELD DUPLICATES

List the concentrations of all analytes in the field duplicate pair. For soil duplicates, calculate the CRDL in mg/kg using the sample weight, volume and percent solids data for the sample. Indicate what criteria was used to evalute the precision by circling either the RPD or CRDL for each element.

MATRIX: Soil and leachate

Element	CRDL water ug/L	CRDL soil mg/kg	Sample #	Duplicate#	RPD	Action
Aluminum	200					
Antimony	60					
Arsenic	10					
Barium	200					
Beryllium	5					
Cadmium	5					
Calcium	5000					
Chromium	10					
Cobalt	50					
Copper	25		(leachate) DAFY46	DAFY47	62	J/UJ
Iron	100					
Lead	5		(soil) DAFY46	DAFY47	54	J/UJ
Magnesium	5000					
Manganese	15					
Mercury	0.2					
Nickel	40					
Potassium	5000					
Selenium	5					
Silver	10					
Sodium	5000					
Thallium	10					
Vanadium	50					
Zinc	20					
Cyanide	10					

Field Duplicate Actions should be applied to all other samples of the same matrix type.

ACTIONS:

1. Estimate (J) positive results for elements which have an RPD >30% for waters and >50% for soils.

2. If sample results are less than 5x the CRDL, estimate (J) positive results and (UJ) nondetected results for elements whose absolute difference is >2xCRDL, (4xCRDL for soils). If both samples are non-detected, the RPD is not calculated (NC).

MS/MSD → OK

EPA-NE - Data Validation Worksheet
VOA/SV - Pest/PCB-VIII

VIII. MATRIX SPIKE/MATRIX SPIKE DUPLICATE - List all MS/MSD analytes that are outside method QC acceptance criteria.

Blank Spike

Use a separate worksheet for each MS/MSD pair.

Sample # ——— Matrix AQ, soil/sed Note only if failed Concentration Level low/med

Parameter	Compound	MS %Rec	MSD %Rec	RPD	Method QC Limits % Rec	Method QC Limits RPD	Concentration Unspiked Sample	Concentration MS	Concentration MSD	% RSD	Action
TPH	TPH (AQ)	78			80-120 78						J/UJ
↓	↓ (Soil/Sed)	73.6			75-125 73.6						J/UJ

OK

Validator: Mark Warren

Date: 3/29/97

12/96

REGION I
Data Review Worksheets

VI. ~~MATRIX SPIKE~~ Lab Duplicate

TR # M552301 MATRIX: Liquid

1. Recovery Criteria

List the percent recoveries for analytes which did not meet the required criteria.

S - amount of spike added
SSR - spikes sample result
SR - sample result

Analyte	SSR	SR	S	%R	Action
Zinc	46.6	11.7	50	69.3	J/UJ

Matrix Spike Actions apply to all samples of the same matrix.

ACTIONS:

1. If the sample concentration exceeds the spike concentration by a factor of 4 or more, no action is taken.

2. If any analyte does not meet the %R criteria follow the actions stated below:

	PERCENT RECOVERY		
	<30%	30%-74%	>125%
Positive Sample Results	J	J	J
Non-detected Results	R	UJ	A

2. Frequency Criteria

A. Was a matrix spike prepared at the required frequency? Yes or No

B. Was a post digestion spike analyzed for elements that did not meet required criteria for matrix spike recovery? Yes or No

A separate worksheet should be used for each matrix spike pair.

REGION I
Data Review Worksheets

VI. MATRIX SPIKE

TR # DAFY23 MATRIX: Soil

1. Recovery Criteria

List the percent recoveries for analytes which did not meet the required criteria.

S - amount of spike added
SSR - spikes sample result
SR - sample result

Analyte	SSR	SR	S	%R	Action
Antimony	27.4	0.00	59.9	45.8	J/UJ
Arsenic	41.8	1.6	↓	67.2	↓
Chromium	75.4	40.9	59.9	57.6	↓
Copper	63.4	18.7	59.9	74.7	↓
Lead	101	12.8	120	73.7	↓
Nickel	78.0	41.0	59.9	61.8	↓
Selenium	43.3	1.1	↓	70.5	↓
Zinc	110	81.4	↓	42.8	↓

Matrix Spike Actions apply to all samples of the same matrix.

ACTIONS:

1. If the sample concentration exceeds the spike concentration by a factor of 4 or more, no action is taken.

2. If any analyte does not meet the %R criteria follow the actions stated below:

	PERCENT RECOVERY		
	<30%	30%-74%	>125%
Positive Sample Results	J	J	J
Non-detected Results	R	UJ	A

2. Frequency Criteria

A. Was a matrix spike prepared at the required frequency? Yes or No

B. Was a post digestion spike analyzed for elements that did not meet required criteria for matrix spike recovery? Yes or No

A separate worksheet should be used for each matrix spike pair.

EPA-NE - Data Validation Worksheet
VOA/SV - Pest/PCB-VIII

VIII. MATRIX SPIKE/MATRIX SPIKE DUPLICATE - List all MS/MSD analytes that are outside method QC acceptance criteria.

Use a separate worksheet for each MS/MSD pair.

Sample # DAFY47 Matrix Soil Note only if failed Concentration Level low/med

Parameter	Compound	MS %Rec	MSD %Rec	RPD	Method QC Limits		Concentration			% RSD	Action
					% Rec	RPD	Unspiked Sample	MS	MSD		
TPH	TPH	73.6	NA	NA	75-125	NA					J/UJ

Validator: Mark Warren

Date: 4/2/95

AVERY™ RECYCLED PAPER MADE FROM 20% POST CONSUMER CONTENT

G

APPENDIX G

GROUNDWATER SAMPLE ANALYTICAL RESULTS
INTERNATIONAL SILVER CO., FACTORY H
START

Groundwater Samples Collected 23 to 24 September 1998

WESTON
MANAGERS DESIGNERS CONSULTANTS

MEMORANDUM

To: International Silver Brownfields Site Assessment File

From: Mark Warren, Roy F. Weston, Inc. (WESTON®) MFW
Superfund Technical Assessment and Response Team (START)

Subject: Review of Analytical Results
DAS Case No. 0172F; SDG No. DAF44B
TDD No. 98-05-0098; PCS No. 5094-70
DC No.A-3729

Date: 31 March 1999

From 23 September through 24 September 1998, 14 groundwater samples and one trip blank sample were collected at the International Silver site, located in Meriden, Connecticut by START members Brad Bowen, James Chow, and Mike Jennings. The sampling was performed as part of a Brownfields Site Assessment. The samples were submitted to Accutest laboratory, located in Marlborough, Massachusetts for the analysis of volatile organic compounds (VOCs), priority pollutant metals (PP13 metals), and cyanide. On 24 September 1998, the last sample was received by the laboratory. The data package was received by the START office on 7 October 1998. Included in Attachment I is a copy of the chain-of-custody (COC) record.

START reviewed the data in accordance with Section 11.2 of the *Brownfields Site Assessment Final Quality Assurance Project Plan*, dated 23 July 1997. The data review included:

*	•	Preservation and Technical Holding Times.
	•	Initial and Continuing Calibration.
	•	Blanks.
*	•	Surrogate Compounds.
*	•	Matrix Spike (MS)/Matrix Spike Duplicates (MSD).
*	•	Laboratory Duplicates.
*	•	Field Duplicates.
*	•	Laboratory Fortified Blank (LFB) and/or Laboratory Control Sample (LCS).

* = No qualifications were made based on this parameter.

Included in Attachment II are the result summary sheets, annotated with the qualifiers detailed in this memorandum.

Initial and Continuing Calibration

Compounds that did not meet criteria in the initial and continuing calibrations are summarized in the following table. Calibration variability indicates laboratory accuracy and reproducability problems.

VOCs:

Instrument ID:	D
Compound	IC 9/24/98
Acrylonitrile	+
Samples Affected:	All

+ = Relative response factor <0.05; estimate (J) all positive results and reject (R) all non-detected results.
IC = Initial calibration

Sample results will be qualified as indicated above.

Note: There was very poor response for acrylonitrile (<0.05) in several continuing calibrations. Since all samples were qualified based on the initial calibration, these continuing calibrations were not reported in the above table. Poor response of acrylonitrile indicates questionable ability of the laboratory to detect the compound.

Blanks

The contaminant detected in the VOC trip blank is summarized in the following table:

Compound	Blank Type	Matrix Applies To:	Max Concl. Units	Action Level	Sample CRQL
Chloroform	Trip	AQ	16.4 μg/L	82 μg/L	2 μg/L

AQ = aqueous
CRQL = Contract Required Quantitation Limit

Blank Actions:

- Sample value < CRQL; report CRQL followed by a U.
- Sample value > CRQL and < action level; report value followed by a U.
- Sample value > CRQL and > action level; report value unqualified.

Sample results will be qualified as indicated above.

ATTACHMENT I

Chain-of-Custody Records

ENVIRONMENTAL PROTECTION AGENCY

REGION 1

CHAIN OF CUSTODY RECORD

1 of 1 M5719

PROJ. NO. Das Case No. 0172F

PROJECT NAME International Silver Co. Meriden, CT

SAMPLERS: (Signature) [signature] [signature]

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	VOC-8260	CN	PP13 Metals				REMARKS
DAF44B	9/23/98	1030		X	TB-04 M5719-1	2	X						
DAF45B	9/23/98	1320		X	MW-01 -2	4	X	X	X				- Samples for metals analyses were
DAF46B	9/23/98	1745		X	MW-02 -3	4	X	X	X				field filtered for dissolved metals
DAF47B	9/24/98	0925		X	MW-03 -4	4	X	X	X				and samples are preserved w/ HNO_3
DAF48B	9/24/98	1300		X	~~MW-04~~ (SSC) MW-05 -5	4	X	X	X				
DAF49B	9/23/98	1245		X	MW-06 -6	4	X	X	X				- Samples for CN analyses preserved w/ NaOH
DAF50B	9/23/98	1500		X	MW-07 -7	4	X	X	X				- Samples for VOC analyses preserved w/ HCl
DAF51B	9/24/98	1050		X	MW-08 -8	4	X	X	X				
DAF52B	9/24/98	0955		X	MW-09 -9	4	X	X	X				- Use Sta. No. as sample ID.
DAF53B	9/23/98	1530		X	MW-10 -10	4	X	X	X				
DAF54B	9/23/98	1400		X	MW-11 -11	4	X	X	X				- See Bid for reporting + deliberable requirements.
DAF55B	9/23/98	1600		X	MW-12 -12	4	X	X	X				
DAF56B	9/23/98	1645		X	MW-13 -13	4	X	X	X				
DAF57B	9/24/98	0830		X	MW-14 -14	4	X	X	X				
DAF58B	9/23/98	1320		X	MW-15 -15	4	X	X	X				

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature]	9/24/98 1645	[signature]			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time		

Remarks rec'd @ 6°C Loc 3E 5C 2C5
ALL JARS FOR MET.'S REQ'D ADDITIONAL HNO_3 AT LAB. JAR FOR CN ON MW-09 REQ'D THE ADDITION OF ASCORBIC ACID AT LAB FOR TRC ND.

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

000124

ATTACHMENT II

Annotated Result Summary Sheets

ACCUTEST

Report of Analysis

Client Sample ID:	TB-04		
Lab Sample ID:	M5719-1	**Date Sampled:**	09/23/98
Matrix:	AQ - Trip Blank Water	**Date Received:**	09/24/98
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6830.D	1	09/25/98	LHY	n/a	n/a	MSD245
Run #2							

VOA Connecticut Appendix C

CAS No.	Compound	Result	RDL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
107-13-1	Acrylonitrile	~~ND~~	~~25~~	~~ug/l~~	R 3/17/99
71-43-2	Benzene	ND	2.0	ug/l	
75-25-2	Bromoform	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
67-66-3	Chloroform	16.4	2.0	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	ug/l	
108-88-3	Toluene	ND	2.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/l	
79-01-6	Trichloroethene	ND	2.0	ug/l	
75-01-4	Vinyl chloride	ND	2.0	ug/l	
1330-20-7	Xylene (total)	ND	2.0	ug/l	

000004

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	TB-04		
Lab Sample ID:	M5719-1	**Date Sampled:**	09/23/98
Matrix:	AQ - Trip Blank Water	**Date Received:**	09/24/98
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6830.D	1	09/25/98	LHY	n/a	n/a	MSD245
Run #2							

VOA Connecticut Appendix C

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		86-118%
2037-26-5	Toluene-D8	105%		88-110%
460-00-4	4-Bromofluorobenzene	108%		80-120%

000005

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-01		
Lab Sample ID:	M5719-2	**Date Sampled:**	09/23/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
		Percent Solids:	n/a
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By	Method
Cyanide, Total	<0.020	0.020	mg/l	1	10/01/98 SG	SM18 4500CNE

000006

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-01		
Lab Sample ID:	M5719-2	**Date Sampled:**	09/23/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
		Percent Solids:	n/a
Project:	International Silver		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed	By	Method
Antimony	<5.0	5.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Arsenic	<4.0	4.0	ug/l	1	09/28/98	10/06/98	KJ	EPA 200.7
Beryllium	<4.0	4.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Cadmium	<4.0	4.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Chromium	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Copper	<25	25	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Lead	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Mercury	<0.40	0.40	ug/l	1	09/30/98	09/30/98	KJ	EPA 245.1
Nickel	<40	40	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Selenium	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Silver	<5.0	5.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Thallium	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Zinc	<40	40	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7

RDL = Reported Detection Limit

ACCUTEST

Report of Analysis

Client Sample ID:	MW-01		
Lab Sample ID:	M5719-2	**Date Sampled:**	09/23/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6831.D	1	09/25/98	LHY	n/a	n/a	MSD245
Run #2							

VOA Connecticut Appendix C

CAS No.	Compound	Result	RDL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
107-13-1	Acrylonitrile	~~ND~~	~~25~~	~~ug/l~~	R MEL 3/17/99
71-43-2	Benzene	ND	2.0	ug/l	
75-25-2	Bromoform	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
67-66-3	Chloroform	ND	2.0	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	14.6	2.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	3.8	2.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	ug/l	
108-88-3	Toluene	ND	2.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/l	
79-01-6	Trichloroethene	ND	2.0	ug/l	
75-01-4	Vinyl chloride	91.6	2.0	ug/l	
1330-20-7	Xylene (total)	3.4	2.0	ug/l	

000008

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-01		
Lab Sample ID:	M5719-2	**Date Sampled:**	09/23/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6831.D	1	09/25/98	LHY	n/a	n/a	MSD245
Run #2							

VOA Connecticut Appendix C

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		86-118%
2037-26-5	Toluene-D8	109%		88-110%
460-00-4	4-Bromofluorobenzene	112%		80-120%

000009

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	MW-02		
Lab Sample ID:	M5719-3	**Date Sampled:**	09/23/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6832.D	1	09/25/98	LHY	n/a	n/a	MSD245
Run #2							

VOA Connecticut Appendix C

CAS No.	Compound	Result	RDL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
107-13-1	Acrylonitrile	~~ND~~	~~25~~	~~ug/l~~	R MFLD 3/19/99
71-43-2	Benzene	ND	2.0	ug/l	
75-25-2	Bromoform	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
67-66-3	Chloroform	ND	2.0	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	25.1	2.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	15.1	2.0	ug/l	
108-88-3	Toluene	ND	2.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/l	
79-01-6	Trichloroethene	69.3	2.0	ug/l	
75-01-4	Vinyl chloride	ND	2.0	ug/l	
1330-20-7	Xylene (total)	ND	2.0	ug/l	

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-02		
Lab Sample ID:	M5719-3	**Date Sampled:**	09/23/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6832.D	1	09/25/98	LHY	n/a	n/a	MSD245
Run #2							

VOA Connecticut Appendix C

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		86-118%
2037-26-5	Toluene-D8	105%		88-110%
460-00-4	4-Bromofluorobenzene	101%		80-120%

000013

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-02		
Lab Sample ID:	M5719-3	**Date Sampled:**	09/23/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
		Percent Solids:	n/a
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By	Method
Cyanide, Total	<0.020	0.020	mg/l	1	10/01/98 SG	SM18 4500CNE

000010

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-02		
Lab Sample ID:	M5719-3	**Date Sampled:**	09/23/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
		Percent Solids:	n/a
Project:	International Silver		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed	By	Method
Antimony	<5.0	5.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Arsenic	<4.0	4.0	ug/l	1	09/28/98	10/06/98	KJ	EPA 200.7
Beryllium	<4.0	4.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Cadmium	<4.0	4.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Chromium	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Copper	<25	25	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Lead	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Mercury	<0.40	0.40	ug/l	1	09/30/98	09/30/98	KJ	EPA 245.1
Nickel	<40	40	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Selenium	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Silver	<5.0	5.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Thallium	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Zinc	<40	40	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-03		
Lab Sample ID:	M5719-4	**Date Sampled:**	09/24/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
		Percent Solids:	n/a
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By	Method
Cyanide, Total	<0.020	0.020	mg/l	1	10/01/98 SG	SM18 4500CNE

000014

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID: MW-03
Lab Sample ID: M5719-4
Matrix: AQ - Ground Water
Project: International Silver

Date Sampled: 09/24/98
Date Received: 09/24/98
Percent Solids: n/a

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed	By	Method
Antimony	<5.0	5.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Arsenic	<4.0	4.0	ug/l	1	09/28/98	10/06/98	KJ	EPA 200.7
Beryllium	<4.0	4.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Cadmium	<4.0	4.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Chromium	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Copper	<25	25	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Lead	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Mercury	<0.40	0.40	ug/l	1	09/30/98	09/30/98	KJ	EPA 245.1
Nickel	<40	40	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Selenium	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Silver	<5.0	5.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Thallium	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Zinc	<40	40	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7

RDL = Reported Detection Limit

ACCUTEST

Report of Analysis

Client Sample ID:	MW-03		
Lab Sample ID:	M5719-4	**Date Sampled:**	09/24/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6843.D	1	09/25/98	LHY	n/a	n/a	MSD246
Run #2							

VOA Connecticut Appendix C

CAS No.	Compound	Result	RDL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
107-13-1	Acrylonitrile	~~ND~~	~~25~~	~~ug/l~~	R MKL 3/17/99
71-43-2	Benzene	ND	2.0	ug/l	
75-25-2	Bromoform	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
67-66-3	Chloroform	ND	2.0	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	30.1	2.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	3.1	2.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	5.0	2.0	ug/l	
108-88-3	Toluene	ND	2.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/l	
79-01-6	Trichloroethene	24.3	2.0	ug/l	
75-01-4	Vinyl chloride	ND	2.0	ug/l	
1330-20-7	Xylene (total)	ND	2.0	ug/l	

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-03		
Lab Sample ID:	M5719-4	**Date Sampled:**	09/24/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6843.D	1	09/25/98	LHY	n/a	n/a	MSD246
Run #2							

VOA Connecticut Appendix C

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		86-118%
2037-26-5	Toluene-D8	107%		88-110%
460-00-4	4-Bromofluorobenzene	107%		80-120%

000017

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-05		
Lab Sample ID:	M5719-5	**Date Sampled:**	09/24/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
		Percent Solids:	n/a
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By	Method
Cyanide, Total	<0.020	0.020	mg/l	1	10/01/98 SG	SM18 4500CNE

000018

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID: MW-05
Lab Sample ID: M5719-5
Matrix: AQ - Ground Water
Project: International Silver

Date Sampled: 09/24/98
Date Received: 09/24/98
Percent Solids: n/a

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed	By	Method
Antimony	<5.0	5.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Arsenic	<4.0	4.0	ug/l	1	09/28/98	10/06/98	KJ	EPA 200.7
Beryllium	<4.0	4.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Cadmium	<4.0	4.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Chromium	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Copper	<25	25	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Lead	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Mercury	<0.40	0.40	ug/l	1	09/30/98	09/30/98	KJ	EPA 245.1
Nickel	<40	40	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Selenium	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Silver	<5.0	5.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Thallium	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Zinc	<40	40	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7

RDL = Reported Detection Limit

ACCUTEST

Report of Analysis

Client Sample ID:	MW-05		
Lab Sample ID:	M5719-5	**Date Sampled:**	09/24/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6852.D	1	09/25/98	LHY	n/a	n/a	MSD246
Run #2							

VOA Connecticut Appendix C

CAS No.	Compound	Result	RDL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
107-13-1	Acrylonitrile	~~ND~~	~~25~~	~~ug/l~~	R WFU 3/17/99
71-43-2	Benzene	ND	2.0	ug/l	
75-25-2	Bromoform	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
67-66-3	Chloroform	ND	2.0	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	149	2.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	30.8	2.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	ug/l	
108-88-3	Toluene	ND	2.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/l	
79-01-6	Trichloroethene	ND	2.0	ug/l	
75-01-4	Vinyl chloride	12.7	2.0	ug/l	
1330-20-7	Xylene (total)	ND	2.0	ug/l	

000020

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-05		
Lab Sample ID:	M5719-5	**Date Sampled:**	09/24/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6852.D	1	09/25/98	LHY	n/a	n/a	MSD246
Run #2							

VOA Connecticut Appendix C

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		86-118%
2037-26-5	Toluene-D8	103%		88-110%
460-00-4	4-Bromofluorobenzene	96%		80-120%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-06		
Lab Sample ID:	M5719-6	**Date Sampled:**	09/23/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
		Percent Solids:	n/a
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By	Method
Cyanide, Total	<0.020	0.020	mg/l	1	10/01/98 SG	SM18 4500CNE

000022

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-06		
Lab Sample ID:	M5719-6	**Date Sampled:**	09/23/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
		Percent Solids:	n/a
Project:	International Silver		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed	By	Method
Antimony	<5.0	5.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Arsenic	<4.0	4.0	ug/l	1	09/28/98	10/06/98	KJ	EPA 200.7
Beryllium	<4.0	4.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Cadmium	<4.0	4.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Chromium	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Copper	<25	25	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Lead	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Mercury	<0.40	0.40	ug/l	1	09/30/98	09/30/98	KJ	EPA 245.1
Nickel	<40	40	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Selenium	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Silver	<5.0	5.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Thallium	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Zinc	<40	40	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7

RDL = Reported Detection Limit

ACCUTEST

Report of Analysis

Client Sample ID:	MW-06		
Lab Sample ID:	M5719-6	**Date Sampled:**	09/23/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6853.D	1	09/25/98	LHY	n/a	n/a	MSD246
Run #2							

VOA Connecticut Appendix C

CAS No.	Compound	Result	RDL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
107-13-1	Acrylonitrile	~~ND~~	~~25~~	~~ug/l~~	R MRW 3/17/99
71-43-2	Benzene	ND	2.0	ug/l	
75-25-2	Bromoform	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
67-66-3	Chloroform	ND	2.0	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	ug/l	
108-88-3	Toluene	ND	2.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/l	
79-01-6	Trichloroethene	ND	2.0	ug/l	
75-01-4	Vinyl chloride	ND	2.0	ug/l	
1330-20-7	Xylene (total)	ND	2.0	ug/l	

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-06		
Lab Sample ID:	M5719-6	**Date Sampled:**	09/23/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6853.D	1	09/25/98	LHY	n/a	n/a	MSD246
Run #2							

VOA Connecticut Appendix C

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		86-118%
2037-26-5	Toluene-D8	102%		88-110%
460-00-4	4-Bromofluorobenzene	102%		80-120%

000025

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-07		
Lab Sample ID:	M5719-7	**Date Sampled:**	09/23/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
		Percent Solids:	n/a
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By	Method
Cyanide, Total	<0.020	0.020	mg/l	1	10/01/98 SG	SM18 4500CNE

000026

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-07		
Lab Sample ID:	M5719-7	**Date Sampled:**	09/23/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
		Percent Solids:	n/a
Project:	International Silver		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed	By	Method
Antimony	<5.0	5.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Arsenic	<4.0	4.0	ug/l	1	09/28/98	10/06/98	KJ	EPA 200.7
Beryllium	<4.0	4.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Cadmium	<4.0	4.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Chromium	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Copper	<25	25	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Lead	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Mercury	<0.40	0.40	ug/l	1	09/30/98	09/30/98	KJ	EPA 245.1
Nickel	<40	40	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Selenium	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Silver	<5.0	5.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Thallium	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Zinc	<40	40	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7

RDL = Reported Detection Limit

ACCUTEST

Report of Analysis

Client Sample ID:	MW-07		
Lab Sample ID:	M5719-7	**Date Sampled:**	09/23/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6854.D	1	09/25/98	LHY	n/a	n/a	MSD246
Run #2							

VOA Connecticut Appendix C

CAS No.	Compound	Result	RDL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
107-13-1	Acrylonitrile	~~ND~~	~~25~~	~~ug/l~~	R 3/17/99
71-43-2	Benzene	ND	2.0	ug/l	MEB
75-25-2	Bromoform	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
67-66-3	Chloroform	ND ~~0.78~~	~~2.0~~	~~ug/l~~	~~J~~ MD 3/29/99
124-48-1	Dibromochloromethane	ND	2.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	3.0	2.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	8.0	2.0	ug/l	
108-88-3	Toluene	ND	2.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/l	
79-01-6	Trichloroethene	34.0	2.0	ug/l	
75-01-4	Vinyl chloride	ND	2.0	ug/l	
1330-20-7	Xylene (total)	ND	2.0	ug/l	

000028

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-07		
Lab Sample ID:	M5719-7	**Date Sampled:**	09/23/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6854.D	1	09/25/98	LHY	n/a	n/a	MSD246
Run #2							

VOA Connecticut Appendix C

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		86-118%
2037-26-5	Toluene-D8	99%		88-110%
460-00-4	4-Bromofluorobenzene	102%		80-120%

000029

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-08		
Lab Sample ID:	M5719-8	**Date Sampled:**	09/24/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
		Percent Solids:	n/a
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By	Method
Cyanide, Total	<0.020	0.020	mg/l	1	10/01/98 SG	SM18 4500CNE

000030

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-08		
Lab Sample ID:	M5719-8	**Date Sampled:**	09/24/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
		Percent Solids:	n/a
Project:	International Silver		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed	By	Method
Antimony	<5.0	5.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Arsenic	<4.0	4.0	ug/l	1	09/28/98	10/06/98	KJ	EPA 200.7
Beryllium	<4.0	4.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Cadmium	<4.0	4.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Chromium	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Copper	<25	25	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Lead	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Mercury	<0.40	0.40	ug/l	1	09/30/98	09/30/98	KJ	EPA 245.1
Nickel	<40	40	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Selenium	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Silver	<5.0	5.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Thallium	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Zinc	<40	40	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7

RDL = Reported Detection Limit

ACCUTEST

Report of Analysis

Client Sample ID:	MW-08		
Lab Sample ID:	M5719-8	**Date Sampled:**	09/24/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6855.D	1	09/25/98	LHY	n/a	n/a	MSD246
Run #2							

VOA Connecticut Appendix C

CAS No.	Compound	Result	RDL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
107-13-1	Acrylonitrile	~~ND~~	~~25~~	~~ug/l~~	R MP 3/17/99
71-43-2	Benzene	ND	2.0	ug/l	
75-25-2	Bromoform	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
67-66-3	Chloroform	ND	2.0	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	ug/l	
108-88-3	Toluene	ND	2.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/l	
79-01-6	Trichloroethene	ND	2.0	ug/l	
75-01-4	Vinyl chloride	ND	2.0	ug/l	
1330-20-7	Xylene (total)	ND	2.0	ug/l	

000032

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-08		
Lab Sample ID:	M5719-8	**Date Sampled:**	09/24/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6855.D	1	09/25/98	LHY	n/a	n/a	MSD246
Run #2							

VOA Connecticut Appendix C

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		86-118%
2037-26-5	Toluene-D8	102%		88-110%
460-00-4	4-Bromofluorobenzene	103%		80-120%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-09		
Lab Sample ID:	M5719-9	**Date Sampled:**	09/24/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
		Percent Solids:	n/a
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By	Method
Cyanide, Total	<0.020	0.020	mg/l	1	10/01/98 SG	SM18 4500CNE

000034

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-09		
Lab Sample ID:	M5719-9	**Date Sampled:**	09/24/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
		Percent Solids:	n/a
Project:	International Silver		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed	By	Method
Antimony	<5.0	5.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Arsenic	<4.0	4.0	ug/l	1	09/28/98	10/06/98	KJ	EPA 200.7
Beryllium	<4.0	4.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Cadmium	<4.0	4.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Chromium	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Copper	<25	25	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Lead	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Mercury	<0.40	0.40	ug/l	1	09/30/98	09/30/98	KJ	EPA 245.1
Nickel	<40	40	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Selenium	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Silver	<5.0	5.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Thallium	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Zinc	<40	40	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7

RDL = Reported Detection Limit

ACCUTEST

Report of Analysis

Client Sample ID:	MW-09		
Lab Sample ID:	M5719-9	**Date Sampled:**	09/24/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6856.D	1	09/25/98	LHY	n/a	n/a	MSD246
Run #2							

VOA Connecticut Appendix C

CAS No.	Compound	Result	RDL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
107-13-1	Acrylonitrile	~~ND~~	~~25~~	~~ug/l~~	R MF 3/17/99
71-43-2	Benzene	ND	2.0	ug/l	
75-25-2	Bromoform	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
67-66-3	Chloroform	ND	2.0	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	4.5	2.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	5.2	2.0	ug/l	
108-88-3	Toluene	ND	2.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/l	
79-01-6	Trichloroethene	26.1	2.0	ug/l	
75-01-4	Vinyl chloride	ND	2.0	ug/l	
1330-20-7	Xylene (total)	ND	2.0	ug/l	

000036

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-09		
Lab Sample ID:	M5719-9	**Date Sampled:**	09/24/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6856.D	1	09/25/98	LHY	n/a	n/a	MSD246
Run #2							

VOA Connecticut Appendix C

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		86-118%
2037-26-5	Toluene-D8	101%		88-110%
460-00-4	4-Bromofluorobenzene	103%		80-120%

000037

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-10		
Lab Sample ID:	M5719-10	**Date Sampled:**	09/23/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
		Percent Solids:	n/a
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By	Method
Cyanide, Total	<0.020	0.020	mg/l	1	10/01/98 SG	SM18 4500CNE

000038

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-10		
Lab Sample ID:	M5719-10	**Date Sampled:**	09/23/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
		Percent Solids:	n/a
Project:	International Silver		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed	By	Method
Antimony	<5.0	5.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Arsenic	<4.0	4.0	ug/l	1	09/28/98	10/06/98	KJ	EPA 200.7
Beryllium	<4.0	4.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Cadmium	<4.0	4.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Chromium	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Copper	<25	25	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Lead	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Mercury	<0.40	0.40	ug/l	1	09/30/98	09/30/98	KJ	EPA 245.1
Nickel	<40	40	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Selenium	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Silver	<5.0	5.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Thallium	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Zinc	<40	40	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7

RDL = Reported Detection Limit

ACCUTEST

Report of Analysis

Client Sample ID:	MW-10		
Lab Sample ID:	M5719-10	**Date Sampled:**	09/23/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6857.D	1	09/25/98	LHY	n/a	n/a	MSD246
Run #2							

VOA Connecticut Appendix C

CAS o.	Compound	Result	RDL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
107-13-1	Acrylonitrile	~~ND~~	~~25~~	~~ug/l~~	R 3/17/99 MAW
71-43-2	Benzene	ND	2.0	ug/l	
75-25-2	Bromoform	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
67-66-3	Chloroform	ND	2.0	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	10.9	2.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	6.8	2.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	70.1	2.0	ug/l	
108-88-3	Toluene	ND	2.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/l	
79-01-6	Trichloroethene	45.2	2.0	ug/l	
75-01-4	Vinyl chloride	ND	2.0	ug/l	
1330-20-7	Xylene (total)	ND	2.0	ug/l	

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-10		
Lab Sample ID:	M5719-10	**Date Sampled:**	09/23/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6857.D	1	09/25/98	LHY	n/a	n/a	MSD246
Run #2							

VOA Connecticut Appendix C

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		86-118%
2037-26-5	Toluene-D8	103%		88-110%
460-00-4	4-Bromofluorobenzene	103%		80-120%

000041

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-11		
Lab Sample ID:	M5719-11	**Date Sampled:**	09/23/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
		Percent Solids:	n/a
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By	Method
Cyanide, Total	<0.020	0.020	mg/l	1	10/01/98 SG	SM18 4500CNE

000042

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-11		
Lab Sample ID:	M5719-11	**Date Sampled:**	09/23/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
		Percent Solids:	n/a
Project:	International Silver		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed	By	Method
Antimony	<5.0	5.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Arsenic	<4.0	4.0	ug/l	1	09/28/98	10/06/98	KJ	EPA 200.7
Beryllium	<4.0	4.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Cadmium	<4.0	4.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Chromium	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Copper	<25	25	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Lead	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Mercury	<0.40	0.40	ug/l	1	09/30/98	09/30/98	KJ	EPA 245.1
Nickel	<40	40	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Selenium	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Silver	<5.0	5.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Thallium	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Zinc	<40	40	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7

RDL = Reported Detection Limit

ACCUTEST

Report of Analysis

Client Sample ID:	MW-11		
Lab Sample ID:	M5719-11	**Date Sampled:**	09/23/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6858.D	1	09/25/98	LHY	n/a	n/a	MSD246
Run #2	D6885.D	20	09/28/98	LHY	n/a	n/a	MSD247

VOA Connecticut Appendix C

CAS No.	Compound	Result	RDL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
107-13-1	Acrylonitrile	~~ND~~	~~25~~	~~ug/l~~	R 3/17/99
71-43-2	Benzene	ND	2.0	ug/l	
75-25-2	Bromoform	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
67-66-3	Chloroform	ND	2.0	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	5.2	2.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	12.7	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	2300 [a]	40	ug/l	
156-60-5	trans-1,2-Dichloroethene	34.0	2.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	28.8	2.0	ug/l	
108-88-3	Toluene	ND	2.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/l	
79-01-6	Trichloroethene	58.4	2.0	ug/l	
75-01-4	Vinyl chloride	165	2.0	ug/l	
1330-20-7	Xylene (total)	ND	2.0	ug/l	

000044

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-11		
Lab Sample ID:	M5719-11	**Date Sampled:**	09/23/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6858.D	1	09/25/98	LHY	n/a	n/a	MSD246
Run #2	D6885.D	20	09/28/98	LHY	n/a	n/a	MSD247

VOA Connecticut Appendix C

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%	95%	86-118%
2037-26-5	Toluene-D8	101%	103%	88-110%
460-00-4	4-Bromofluorobenzene	104%	104%	80-120%

(a) Result is from Run# 2

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-12		
Lab Sample ID:	M5719-12	**Date Sampled:**	09/23/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
		Percent Solids:	n/a
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By	Method
Cyanide, Total	<0.020	0.020	mg/l	1	10/01/98 SG	SM18 4500CNE

000046

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-12		
Lab Sample ID:	M5719-12	**Date Sampled:**	09/23/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
		Percent Solids:	n/a
Project:	International Silver		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed	By	Method
Antimony	<5.0	5.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Arsenic	<4.0	4.0	ug/l	1	09/28/98	10/06/98	KJ	EPA 200.7
Beryllium	<4.0	4.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Cadmium	<4.0	4.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Chromium	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Copper	<25	25	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Lead	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Mercury	<0.40	0.40	ug/l	1	09/30/98	09/30/98	KJ	EPA 245.1
Nickel	<40	40	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Selenium	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Silver	<5.0	5.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Thallium	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Zinc	<40	40	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7

RDL = Reported Detection Limit

ACCUTEST

Report of Analysis

Client Sample ID:	MW-12		
Lab Sample ID:	M5719-12	**Date Sampled:**	09/23/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6882.D	1	09/28/98	LHY	n/a	n/a	MSD247
Run #2							

VOA Connecticut Appendix C

CAS No.	Compound	Result	RDL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
107-13-1	Acrylonitrile	~~ND~~	~~25~~	~~ug/l~~	R 3/17/99
71-43-2	Benzene	ND	2.0	ug/l	
75-25-2	Bromoform	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
67-66-3	Chloroform	ND ~~1.7~~	~~2.0~~	~~ug/l~~	~~J~~ 3/25/99
124-48-1	Dibromochloromethane	ND	2.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	4.9	2.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	3.6	2.0	ug/l	
108-88-3	Toluene	ND	2.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/l	
79-01-6	Trichloroethene	39.5	2.0	ug/l	
75-01-4	Vinyl chloride	ND	2.0	ug/l	
1330-20-7	Xylene (total)	ND	2.0	ug/l	

000048

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-12		
Lab Sample ID:	M5719-12	**Date Sampled:**	09/23/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6882.D	1	09/28/98	LHY	n/a	n/a	MSD247
Run #2							

VOA Connecticut Appendix C

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		86-118%
2037-26-5	Toluene-D8	101%		88-110%
460-00-4	4-Bromofluorobenzene	103%		80-120%

000049

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-13		
Lab Sample ID:	M5719-13	**Date Sampled:**	09/23/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
		Percent Solids:	n/a
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By	Method
Cyanide, Total	<0.020	0.020	mg/l	1	10/01/98 SG	SM18 4500CNE

000050

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-13		
Lab Sample ID:	M5719-13	**Date Sampled:**	09/23/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
		Percent Solids:	n/a
Project:	International Silver		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed	By	Method
Antimony	<5.0	5.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Arsenic	<4.0	4.0	ug/l	1	09/28/98	10/06/98	KJ	EPA 200.7
Beryllium	<4.0	4.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Cadmium	<4.0	4.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Chromium	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Copper	<25	25	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Lead	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Mercury	<0.40	0.40	ug/l	1	09/30/98	09/30/98	KJ	EPA 245.1
Nickel	<40	40	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Selenium	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Silver	<5.0	5.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Thallium	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Zinc	<40	40	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7

RDL = Reported Detection Limit

ACCUTEST

Report of Analysis

Client Sample ID:	MW-13		
Lab Sample ID:	M5719-13	**Date Sampled:**	09/23/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6883.D	1	09/28/98	LHY	n/a	n/a	MSD247
Run #2							

VOA Connecticut Appendix C

CAS No.	Compound	Result	RDL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
107-13-1	Acrylonitrile	~~ND~~	~~25~~	~~ug/l~~	R MEL 3/17/99
71-43-2	Benzene	ND	2.0	ug/l	
75-25-2	Bromoform	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
67-66-3	Chloroform	ND ~~1.6~~	~~2.0~~	~~ug/l~~	~~J~~ MEL 3/21/99
124-48-1	Dibromochloromethane	ND	2.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	1.1	2.0	ug/l	J
108-88-3	Toluene	ND	2.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/l	
79-01-6	Trichloroethene	11.4	2.0	ug/l	
75-01-4	Vinyl chloride	ND	2.0	ug/l	
1330-20-7	Xylene (total)	ND	2.0	ug/l	

000052

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-13		
Lab Sample ID:	M5719-13	**Date Sampled:**	09/23/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6883.D	1	09/28/98	LHY	n/a	n/a	MSD247
Run #2							

VOA Connecticut Appendix C

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		86-118%
2037-26-5	Toluene-D8	102%		88-110%
460-00-4	4-Bromofluorobenzene	105%		80-120%

000053

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-14		
Lab Sample ID:	M5719-14	**Date Sampled:**	09/24/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
		Percent Solids:	n/a
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed	By	Method
Cyanide, Total	<0.020	0.020	mg/l	1	10/01/98	SG	SM18 4500CNE

000054

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-14		
Lab Sample ID:	M5719-14	**Date Sampled:**	09/24/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
		Percent Solids:	n/a
Project:	International Silver		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed	By	Method
Antimony	<5.0	5.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Arsenic	<4.0	4.0	ug/l	1	09/28/98	10/06/98	KJ	EPA 200.7
Beryllium	<4.0	4.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Cadmium	<4.0	4.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Chromium	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Copper	<25	25	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Lead	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Mercury	<0.40	0.40	ug/l	1	09/30/98	09/30/98	KJ	EPA 245.1
Nickel	<40	40	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Selenium	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Silver	<5.0	5.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Thallium	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Zinc	<40	40	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7

RDL = Reported Detection Limit

ACCUTEST

Report of Analysis

Client Sample ID:	MW-14		
Lab Sample ID:	M5719-14	**Date Sampled:**	09/24/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6861.D	1	09/26/98	LHY	n/a	n/a	MSD246
Run #2	D6886.D	5	09/28/98	LHY	n/a	n/a	MSD247

VOA Connecticut Appendix C

CAS No.	Compound	Result	RDL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
107-13-1	Acrylonitrile	~~ND~~	~~25~~	~~ug/l~~	R MF 3/17/99
71-43-2	Benzene	ND	2.0	ug/l	
75-25-2	Bromoform	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
67-66-3	Chloroform	ND ~~0.32~~	~~2.0~~	~~ug/l~~	J MEL 3/24/99
124-48-1	Dibromochloromethane	ND	2.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	1.2	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	17.0	2.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	290 [a]	10	ug/l	
108-88-3	Toluene	ND	2.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/l	
79-01-6	Trichloroethene	106	2.0	ug/l	
75-01-4	Vinyl chloride	ND	2.0	ug/l	
1330-20-7	Xylene (total)	ND	2.0	ug/l	

000056

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-14		
Lab Sample ID:	M5719-14	**Date Sampled:**	09/24/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6861.D	1	09/26/98	LHY	n/a	n/a	MSD246
Run #2	D6886.D	5	09/28/98	LHY	n/a	n/a	MSD247

VOA Connecticut Appendix C

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%	95%	86-118%
2037-26-5	Toluene-D8	100%	100%	88-110%
460-00-4	4-Bromofluorobenzene	100%	104%	80-120%

(a) Result is from Run# 2

000057

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-15		
Lab Sample ID:	M5719-15	**Date Sampled:**	09/23/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
		Percent Solids:	n/a
Project:	International Silver		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By	Method
Cyanide, Total	<0.020	0.020	mg/l	1	10/01/98 SG	SM18 4500CNE

000058

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-15		
Lab Sample ID:	M5719-15	**Date Sampled:**	09/23/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
		Percent Solids:	n/a
Project:	International Silver		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed	By	Method
Antimony	<5.0	5.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Arsenic	<4.0	4.0	ug/l	1	09/28/98	10/06/98	KJ	EPA 200.7
Beryllium	<4.0	4.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Cadmium	<4.0	4.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Chromium	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Copper	<25	25	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Lead	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Mercury	<0.40	0.40	ug/l	1	09/30/98	09/30/98	KJ	EPA 245.1
Nickel	<40	40	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Selenium	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Silver	<5.0	5.0	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Thallium	<10	10	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7
Zinc	<40	40	ug/l	1	09/28/98	09/29/98	HBM	EPA 200.7

RDL = Reported Detection Limit

ACCUTEST

Report of Analysis

Client Sample ID:	MW-15		
Lab Sample ID:	M5719-15	**Date Sampled:**	09/23/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6884.D	1	09/28/98	LHY	n/a	n/a	MSD247
Run #2							

VOA Connecticut Appendix C

CAS No.	Compound	Result	RDL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
107-13-1	Acrylonitrile	~~ND~~	~~25~~	~~ug/l~~	R MFW 3/17/99
71-43-2	Benzene	ND	2.0	ug/l	
75-25-2	Bromoform	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
67-66-3	Chloroform	ND	2.0	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	16.9	2.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	4.2	2.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	ug/l	
108-88-3	Toluene	ND	2.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/l	
79-01-6	Trichloroethene	ND	2.0	ug/l	
75-01-4	Vinyl chloride	103	2.0	ug/l	
1330-20-7	Xylene (total)	2.6	2.0	ug/l	

000060

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	MW-15		
Lab Sample ID:	M5719-15	**Date Sampled:**	09/23/98
Matrix:	AQ - Ground Water	**Date Received:**	09/24/98
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	International Silver		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D6884.D	1	09/28/98	LHY	n/a	n/a	MSD247
Run #2							

VOA Connecticut Appendix C

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		86-118%
2037-26-5	Toluene-D8	106%		88-110%
460-00-4	4-Bromofluorobenzene	111%		80-120%

000061

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ATTACHMENT III

Data Review Worksheets

PA-NE - Data Validation
OA/SV - Pest/PCB-I

12/96

ımpler: Chow, Bower, Jennings Company: BFW Contacted: Yes (No) Date: _____

PRESERVATION AND HOLDING TIMES -

Cooler Temp = 6 °C Documented p. 000124

Circle sample numbers with exceeded technical holding times or omitted preservation.
List all required preservation codes and circle omitted preservation codes.
Circle all exceeded technical holding times.
Identify extraction technique after "# of Days"/(*Extraction Code).

Sample No. (TR No.)	Matrix	Pres. Code	Date Sampled	VOA Date Analyzed	VOA # of Days from Samp. to Anal.	VOA Action	BNA Date Extracted	BNA # of Days from Samp. to Extr./(*)	BNA Date Analyzed	BNA # of Days from Extr. to Anal.	BNA Action	PEST/PCB Date Extracted	PEST/PCB # of Days from Samp. to Extr./(*)	PEST/PCB Date Analyzed	PEST/PCB # of Days from Extr. to Anal.	PEST/PCB Action
DAF44B	AQ	* 1,2,3	9/23/98	9/25/98	2	None										
DAF45B																
DAF46B																
DAF47B			9/24/98		1											
DAF48B																
DAF49B			9/23/98		2											
DAF50B																
DAF51B			9/24/98		1											
DAF52B																
DAF53B			9/23/98		2											
DAF54B																
DAF55B				9/28/98	5											
DAF56B																
DAF57B			9/24/98	9/26/98	2											
DAF58B				9/28/98	4											
DAF54B (run #2)				9/28/98	5	None										
DAF57B (run #2)				9/28/98	4	None										

* CN preserved w/ NaOH ; metals preserved w/ HNO_3

pH (preservation) ok (<2) pp 000119 - 000123

Matrix Codes:
AQ = aqueous
S/S = soil/sedim

reservation Code:
- Cool @ 4°C (± 2°)
- Preserve with HCl to at least pH 2 → see COC and VOC case narrative
- Protect from light
- Freeze
- Room Temperature (Avoid excessive heat)

→ (*Extraction Code:)
- L/L - Liquid/Liquid
- SON - Sonication
- SEP - Separatory Funnel
- SOX - Soxhlet
- SPE - Solid Phase Extraction

Action Code:
- J - Estimate (J) Detected Values
- UJ - Estimate (UJ) Non-Detected Values
- R - Reject (R) Non-Detected Values

alidator: Mark Warren

Date: 3-5-99

REGION I
Data Review Worksheets

II. HOLDING TIMES

Complete table for all samples and circle the analysis date for samples not within criteria.

MATRIX	SAMPLE ID	DATE SAMPLED	~~PP13 metals~~ HG ONLY ~~HG~~ DATE ANALYSIS	CYANIDE DATE ANALYSIS	PP13 metals OTHERS DATE ANALYSIS	pH	ACTION
AQ	DAF45B	9/23/98	9/30/98	10/1/98	9/29/98 - 10/6/98		None
	DAF46B	↓	↓	↓	9/29/98 - 10/6/98		↓
	DAF47B	9/24/98			9/29/98 - 10/6/98		
	DAF48B	↓			9/29/98 - 10/6/98		
	DAF49B	9/23/98			9/29/98 - 10/6/98		
	DAF50B	↓			↓		
	DAF51B	9/24/98					
	DAF52B	↓					
	DAF53B	9/23/98					
	DAF54B	↓					
	DAF55B	↓					
	DAF56B	↓					
	DAF57B	9/24/98					
	DAF58B	↓	↓	↓	↓		↓

METALS - 180 DAYS FROM SAMPLE COLLECTION
MERCURY - 28 DAYS FROM SAMPLE COLLECTION
CYANIDE - 14 DAYS FROM SAMPLE COLLECTION

Cooler temp = 6 °C
see p. 000124 of Data Pkg

pH (preservation) ok (pp 000119-000123)

ACTION:

1. If holding times are exceeded all positive results are estimated (J) and non-detects are estimated (UJ).

2. If holding times are grossly exceeded, the reviewer may determine that non-detects are unusable (R).

EPA-NE - Data Validation Worksheet
VOA/SV - Pest/PCB-IX

IX. FIELD DUPLICATE PRECISION - List all field duplicate analytes that are outside criteria.

Use a separate worksheet for each field duplicate pair.

Sample Number DAF45B (MW-01) Duplicate Sample Number DAF48B (MW-15) Matrix Aq

Parameter	Compound	Sample Conc.	Sample QL		Duplicate Conc.	Duplicate QL		RPD	QC Acceptance Criteria RPD or NA*	Action
			SQL	2xSQL		SQL	2xSQL			
VOCs	cis-1,2-dichloroethene	14.6	2.0	4.0	16.9	2.0	4.0	15	50% or NA	None
	trans-1,2-dichloroethene	3.8			4.2			10		
	vinyl chloride	91.6			103			12		
	Total xylene	3.4			2.6			27		

* For instances where one duplicate result is ND (or reported less than the sample QL).

Does the MS/MSD data indicate acceptable laboratory precision? (Y) N

Comments: _____

Sampler Name: _____ Contractor Name: _____ Date Contacted: _____

Reason for Contact and resolution obtained: _____

Validator: Mark Wanner Date: 3-12-99

EPA-NE - Data Validation Worksheet
VOA/SV-III

III. INITIAL CALIBRATION - List all analytes that are outside calibration criteria.

Date of ICAL	Instrument	Parameter	Matrix	Compound	% RSD	RRF	Samples Affected	Action
9/24/98	D	VOCs	AQ	Carbon Tetrachloride	50.02	*	All	~~J/UJ~~
				1,1-dichloropropene	59.29	*		~~J~~
				Acrylonitrile		0.045		J/R

None

Comments:

* The laboratory use linear regression for carbon tetrachloride and 1,1,-dichloropropene. Both curves had r > 0.995

PFD

Validator: Mark Warner

Date: 3/15/99

EPA-NE - Data Validation Worksheet
VOA/SV - Pest/PCB-V-A

V. BLANK ANALYSIS

List the blank contamination below.

Concentration Level: low/med

Sampler: Chow/Bowen/Jennings Company: REW

Contacted: Yes (No) Date:

1. Laboratory: Method, Storage and Instrument Blanks

Date Extracted	Date Analyzed	Parameter/ Matrix	Sample No. (Blank Type)	Instrument/ Column	Compound	Conc. (units)
—	9/25/93	VOCs/AQ	DAF44B (Trip)	—	Chloroform	16.4 µg/L

2. Field: Equipment (Rinsate), Trip and Bottle Blanks

Date Extracted	Date Analyzed	Parameter/ Matrix	Sample No. (Blank Type)	Instrument/ Column	Compound	Conc. (units)	Qualifier due to lab blanks

Validator: Warner

Date: 3/29/99

12/96

↑ use this column to evaluate EB/TB actions on S/S sample (not AQ)

EPA-NE - Data Validation Worksheet
VOA/SV - Pest/PCB - V - B1

3. Blank Actions:

Actions Apply to Aqueous (AQ) Samples

Compound	Blank w/ Max. Conc.	Date Blank Sampled/ Analyzed	Max Conc. (ug/L)	Action Level (ug/L)	Sample QL (ug/L)	Samples Affected	Action
~~Chloroform~~	~~Lab~~	~~9/25/98~~	~~16.4~~	~~82~~	~~2.0~~	~~AQ Field~~	~~U~~
	Lab					Blanks	U
	Lab					"	U
	Lab					"	U
	Lab					"	U
	Lab					"	U
	Lab					"	U
	Lab					"	U
	Lab					"	U
	Lab					"	U
	Lab					"	U
	Lab					"	U
	Lab					"	U
Chloroform	Lab, Equip, or Trip*	9/25/98	16.4	82	2.0	AQ Field	U
	Lab, Equip, or Trip*					Samples	U
	Lab, Equip, or Trip*					(SW, GW,	U
	Lab, Equip, or Trip*					MW, etc.)	U
	Lab, Equip, or Trip*					"	U
	Lab, Equip, or Trip*					"	U
	Lab, Equip, or Trip*					"	U
	Lab, Equip, or Trip*					"	U
	Lab, Equip, or Trip*					"	U
	Lab, Equip, or Trip*					"	U
	Lab, Equip, or Trip*					"	U
	Lab, Equip, or Trip*					"	U
	Lab, Equip, or Trip*					"	U

Applicable Lab Blanks include:
MB - aqueous method blanks
~~HB~~ - holding blanks (VOCs)
IB - instrument blanks (P/PCBs)

AQ Field Blanks include:
Equip - equipment blank (rinsate)**
Trip - trip blank**
** - use unqualified results to determine blank actions

AQ Field Samples include:
SW - surface waters
GW - groundwaters
MW - monitoring well waters
DW - drinking waters

Comments:

Validator (MEV) Date 3/29/99 * - circle one

EPA-NE - Data Validation Worksheet
VOA/SV-IV

IV. CONTINUING CALIBRATION - List all analytes that are outside calibration criteria.

Date of ICAL	Date of CCAL	Instrument	Parameter	Matrix	Compound	%D	RRF	Samples Affected	Action
9/24/98	9/24/98 D	→	VOCs		Acrylonitrile		0.041		J,R
9/24/98	9/25/98	D					0.039		
							0.044		
	9/28/98								

Comments:

Validator: Mark Weaver

Date: 3/15/99

12/96

EPA-NE - Data Validation Worksheet
VOA-VI

VI. VOA SURROGATE SPIKE RECOVERIES - List all surrogate compound recoveries that are outside method QC acceptance criteria.

Method	Volatile Method QC Acceptance Criteria				
	Toluene-d_8	BFB	DCE-d_4	Other:	
OLM03.2	Water 88-110 Soil 84-138	Water 86-115 Soil 59-113	Water 76-114 Soil 70-121		
OLC02.1	NA	80-120	NA		
Other:					
Sample Number/Matrix	% Recovery	% Recovery	% Recovery	% Recovery	Action

OK

Validator: Mark Warren

Date: 3-15-99

EPA-NE - Data Validation Worksheet
VOA/SV - Pest/PCB-VIII

VIII. MATRIX SPIKE/MATRIX SPIKE DUPLICATE - List all MS/MSD analytes that are outside method QC acceptance criteria.

Use a separate worksheet for each MS/MSD pair.

Sample # _____ Matrix _____ Concentration Level _____

Parameter	Compound	MS %Rec	MSD %Rec	RPD	Method QC Limits		Concentration			% RSD	Action
					% Rec	RPD	Unspiked Sample	MS	MSD		

Validator: Mark Warm

Date: 3/15/97

X. SENSITIVITY CHECK (Method Detection Limit Study)

List all compounds, surrogates, and internal standards that are outside the MDL criteria.

- Has an appropriate MDL study been submitted with seven replicates for each compound and matrix of interest? Y N
- Date of Preparation/Analysis: _____ Within 1 year? Y N
- Instrument I.D.: _____ Same as samples? Y N
- Column I.D.: _____ Same as samples? Y N

Matrix	Compound	MDL > QL	Method QC Limits < 80% or > 120%	IS Outside Area Count and/or RT Criteria	RSD > 20%	Samples Affected	Action

If an MDL study has not been submitted, use only the LFB results to evaluate data.

(Laboratory Fortified Blank) - List all LFB compounds, surrogates and internal standards that are outside criteria.

- Has an appropriate and complete LFB been submitted at the proper frequency? Y N
- Does it contain all target compounds at the method-required QLs? Y N
- Was the LFB spiked with a standard from a source (vendor) independent of the calibration standard? Y N

Matrix	Compound	Method QC Limits < 60% or > 140% Other:	IS Outside Area Count and/or RT Criteria	Samples Affected	Action

Validator: Mark Lucas

Date: 3/15/99

Brownfields Site Assessment Data Review Checklist
International Silver Site
DAS Case No. 0172F; SDG No. DAF44B

Data Reviewed	Fraction							
	VOCs	Metals	Cyanide					
Chain of Custody	✓	✓	✓					
Log-in Sheet	✓	✓	✓					
Preservation	✓	✓	✓					
Holding Time	✓	✓	✓					
Initial Calibration	✓	✓	NA					
Continuing Calibration	✓	✓	NA					
Instrument/Method Blanks (Soil/Solids)	NA	NA	NA					
Instrument/Method Blanks (Aqueous/Liquids)	✓	✓	✓					
Field Blanks	✓	NA	NA					
MS/MSD - soil/solid	NA	NA	NA					
MS/MSD - aqueous/liquid	✓	✓	✓					
Lab Duplicate - soil/solid	NA	NA	NA					
Lab Duplicate - aqueous/liquid	@	@	✓					
LFB/LCS/Blank Spike	✓	✓	✓					
Surrogate Recoveries	✓	NA	NA					
Field Duplicate	✓	✓	✓					

@ - not performed on START samples; not applicable
✓ - data provided by the lab
NA - not applicable
** - not provided by the lab; resubmittals requested
* - not provided by the lab

Data Reviewer Initials: MEW Date: 3/31/99

DATA SUMMARY KEY
ORGANIC AND INORGANIC DATA VALIDATION QUALIFIERS

J	=	The associated numerical value is an estimated quantity.
R	=	The data are unusable (compound may or may not be present). Resampling and reanalysis are necessary for verification. The R replaces the numerical value or sample quantitation limit (or the instrument detection limit).
U	=	The compound was analyzed for, but not detected. The associated numerical value is the sample quantitation limit (or instrument detection limit) or the adjusted sample quantitation limit (or adjusted instrument detection limit) .
UJ	=	The compound was analyzed for, but not detected. The associated numerical value is the estimated sample quantitation limit (or the estimated instrument detection limit) .

H

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